

**A B-cell receptor-related gene signature predicts response to ibrutinib treatment in mantle cell lymphoma cell lines**

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## **A B-cell receptor-related gene signature predicts response to ibrutinib treatment in Mantle Cell Lymphoma cell lines**

### **Supplemental Information:**

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## **MCL cell lines**

Six different MCL cell line models (Rec-1, Jeko-1, Mino, JVM-2, Granta-519, and Z-138)<sup>1</sup> were used for GEP studies and functional experiments. MCL cell line models were cultured ( $1 \times 10^6$  cells/ml) in RPMI-1640 supplemented with 10% heat-inactivated fetal bovine serum, 100 U/ml penicillin, 0.1 mg/ml streptomycin, 2 mM L-glutamine and 1 mM sodium pyruvate (Thermo Fisher Scientific, Waltham, MA) in the presence or not of 100 nM Ibrutinib (PCI-32765) (Selleckchem, Houston, TX). Cell lines were dispensed into 96-well plates in a final volume of 100  $\mu$ l at 5,000 cells per well, in duplicate wells. Three hours after seeding, the compound were transferred to the cells by delivering 5  $\mu$ l per well of the intermediate dilution, to obtain a final concentrations of 100 nM and a final DMSO concentrations of 0.1%. Cells were counted every other days starting from day 3.

MCL cells were treated for 24 hours with 100 nM Ibrutinib (Axon Medchem BV) or 10  $\mu$ g/ml F(ab)<sub>2</sub> anti-IgM (catalog 109.006.129; Jackson ImmunoResearch), or a combination of them, and tested for the 6-gene signature.

In selected experiments cell from 2 MCL cell line models were treated for 1 hours with 100 nM Ibrutinib (Axon Medchem BV) or for 10 minutes with 10  $\mu$ g/ml F(ab)<sub>2</sub> anti-IgM (catalog 109.006.129; Jackson ImmunoResearch), or a combination of them, and analyzed for phosphoprotein expression.

## **Primary MCL cases**

The study, including 15 MCL primary samples, is approved by the Internal Review Board of the Aviano Centro di Riferimento Oncologico (Approval n. IRB-05-2010, n. IRB-05-2015) upon informed consent in accordance with the declaration of Helsinki.

MCL cells from 9 patients were either left unstimulated or were stimulated with immobilized anti-IgM for 20 hours and separately analyzed for changes in the 6-gene signature.

MCL cells from 6 MCL patients, tested for the 6-gene signature, were incubated with 100 nM ibrutinib for 24-48-72 hours and analyzed for apoptosis.

In selected experiments cell from 5 patients were either left unstimulated or were stimulated with 10  $\mu$ g/ml F(ab)<sub>2</sub> anti-IgM for 10 minutes and separately analyzed for phosphoprotein expression.

## **Apoptosis**

The apoptotic and necrotic cell population was measured using Annexin V/7AAD staining. After incubation with Ibrutinib, cells were washed with PBS. The Annexin V-FITC antibody was combined with Annexin V-binding buffer in a ratio of 3 to 100  $\mu\text{L}$  and with 7  $\mu\text{L}$  7AAD PerCp and added to each sample and incubated on ice in the dark for 15 minutes. After 15 minutes, 200  $\mu\text{L}$  of Annexin V-binding buffer were added to each sample and samples immediately analyzed by flow cytometry. Cells were analyzed on a FACS CantoII flow cytometer using FACS DIVA software (BD Biosciences) upon instrument calibration with CS&T beads (BD Biosciences). Displayed is the viable double-negative cell fraction normalized to the individual double-negative fraction measured in the solvent-only controls.

## **Immunophenotypic analyses**

For phosphoprotein expression analysis, cells ( $5 \times 10^5$  per experimental condition) were fixed with Fix Buffer I (BD Biosciences) and permeabilized with 90% ice-cold methanol (VWR). Cells were labeled with p-BTK (pY223)/ITK (pY180)-PE (catalog 562753). Cells were analyzed on a FACS Fortessa flow cytometer using FACS DIVA software (BD Biosciences) upon instrument calibration with CS&T beads (BD Biosciences) as previously reported.<sup>2</sup>

## **RNA extraction and GEP**

Total RNA was extracted using the TRIZOL Reagent (Thermo Fisher Scientific) according to protocol. RNA was checked using the Agilent 2100 Bioanalyzer (Agilent Technologies, Santa Clara, CA), as reported previously.<sup>3-6</sup>

## **GEP and data mining tools**

GEP was performed with 150 ng total RNA labeled with Cyanine(Cy)-3 dye.<sup>3,4</sup> Cy3-labeled RNA was hybridized to the Whole Human Genome (8x60) oligo microarray (Agilent Technologies) and analyzed with an Agilent Microarray Scanner (Agilent Technologies) and with the Agilent Feature Extraction Software 10.7.3 (Agilent Technologies), as reported previously.<sup>3-6</sup> Microarray data are available in Gene Expression Omnibus (<http://www.ncbi.nlm.nih.gov/geo/>) under accession number GSE89615.

## **Gene Expression Profiling (GEP) data mining tools**

GEP data were analyzed using the GeneSpring GX 11.5 software (Agilent Technologies, Santa Clara, CA); pre-processing and pre-filtering steps were carried out according to Agilent instruction. To identify the differentially expressed genes, t statistic was applied and P values were then adjusted for multiple testing with Benjamini and Hochberg's method to control the false discovery rate. Differentially expressed genes were identified according to an adjusted P value  $\leq 0.05$  and a fold change at least equal to 2. GEP results were visualized using the Cluster and Tree View programs (Eisen Laboratory, Stanford University).<sup>7</sup> The biological functions of genes were investigated using Onto-Tools.<sup>5</sup> Significant gene ontology pathways differentially expressed were selected for having a P value of at least 0.05, and containing at least five genes per category. Gene Set Enrichment Analysis (GSEA)<sup>3,4,6,8</sup> was used to identify the putative genes sets involved in gene deregulation from the online database available at the GSEA Web site (<http://www.broadinstitute.org/gsea/>). Enriched or over-represented genes sets between BCR<sup>low</sup> and BCR<sup>high</sup> MCL cell line models were identified using 1.000 permutations of the phenotype labels.

### **Quantitative real-time PCR (qRT-PCR)**

First strand cDNA synthesis was performed by using ImProm-II Reverse Transcription System (Promega) following the manufacturer's instructions, using 150 ng of RNA with 0.5 ug/reaction of Random primers. Expression of specific genes was evaluated with the Gene Expression assay kit (Integrated DNA Technologies, Coralville, IA) using 1 x FastStart Universal Probe Master Mix ROX (ROCHE).<sup>3,4</sup> All qRT-PCR experiments were performed on a Bio-Rad CFX96 (Bio-Rad Laboratories, Hercules, CA). Thermocycling was performed as follow: 95°C for 10 min; 40 cycles of 95°C for 15 s, 60°C for 1 min. The relative amount of each gene was computed using the equation  $2^{-\Delta Ct}$ , where  $\Delta Ct = (Ct_{gene} - Ct_{\beta 2M})$ . Fold-change between classes was calculated as reported.<sup>3,4</sup> Amplification efficiency for each probe was calculated with a standard curve generated using a cDNA from a cell line. Four different 10 fold dilutions were used to construct the relative standard curves. Details related to primer and probe sequences, amplicon length and efficiency were previously reported.<sup>9</sup>

### ***TP53* mutational status**

*TP53* mutational status was investigated by next generation sequencing with an amplicon based strategy as previously reported.<sup>10</sup>

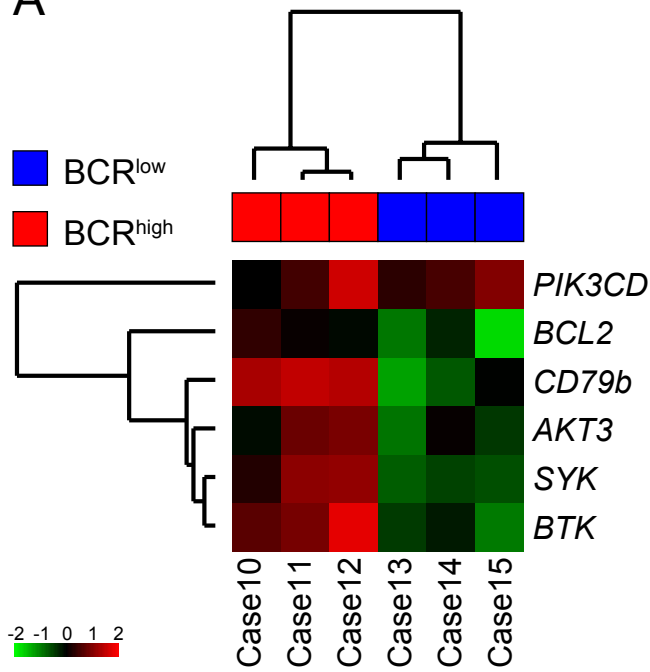
## References

- 1 Rahal R, Frick M, Romero R et al. Pharmacological and genomic profiling identifies NF-kappaB-targeted treatment strategies for mantle cell lymphoma. *Nat Med.* 2014;20(1):87-92.
- 2 Tissino E, Benedetti D, Herman SEM et al. Functional and clinical relevance of VLA-4 (CD49d/CD29) in ibrutinib-treated chronic lymphocytic leukemia. *J Exp Med.* 2018;215(2):681-697.
- 3 Bomben R, Gobessi S, Dal BM et al. The miR-17-92 family regulates the response to Toll-like receptor 9 triggering of CLL cells with unmutated IGHV genes. *Leukemia.* 2012;26(7):1584-1593.
- 4 Dal BM, D'Agaro T, Gobessi S et al. The SIRT1/TP53 axis is activated upon B-cell receptor triggering via miR-132 up-regulation in chronic lymphocytic leukemia cells. *Oncotarget.* 2015;6(22):19102-19117.
- 5 Draghici S, Khatri P, Martins RP, Ostermeier GC, Krawetz SA. Global functional profiling of gene expression. *Genomics.* 2003;81(2):98-104.
- 6 Subramanian A, Tamayo P, Mootha VK et al. Gene set enrichment analysis: a knowledge-based approach for interpreting genome-wide expression profiles. *Proc Natl Acad Sci U S A.* 2005;102(43):15545-15550.
- 7 Eisen MB, Spellman PT, Brown PO, Botstein D. Cluster analysis and display of genome-wide expression patterns. *Proc Natl Acad Sci U S A.* 1998;95):14863-8.
- 8 Mootha VK, Lindgren CM, Eriksson KF et al. PGC-1alpha-responsive genes involved in oxidative phosphorylation are coordinately downregulated in human diabetes. *Nat Genet.* 2003;34(3):267-273.
- 9 Bomben R, Ferrero S, D'Agaro T et al. A B-cell receptor-related gene signature predicts survival in mantle cell lymphoma: results from the Fondazione Italiana Linfomi MCL-0208 trial. *Haematologica.* 2018;103(5):849-856.
- 10 D'Agaro T, Bittolo T, Bravin V et al. NOTCH1 mutational status in chronic lymphocytic leukaemia: clinical relevance of subclonal mutations and mutation types. *Br J Haematol.* 2018;182(4):597-602.

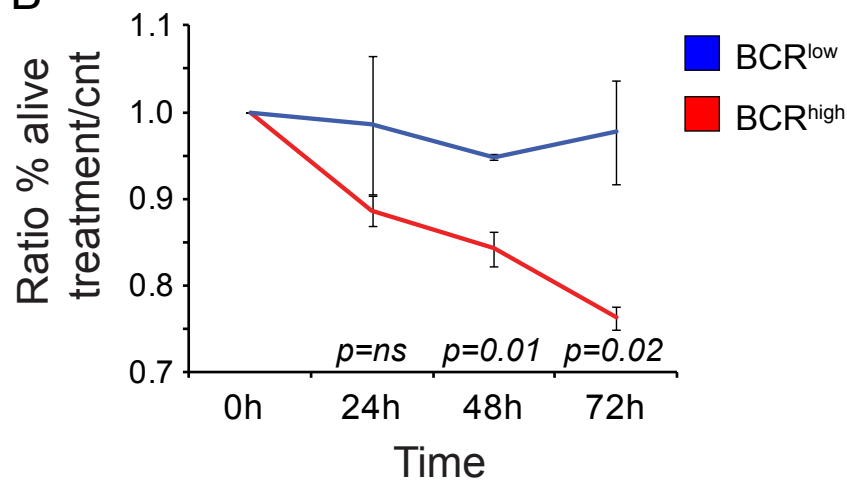
**Figure S1. Anti-IgM stimulation and ibrutinib treatment on primary MCL samples.** A) qRT-PCR analysis of 6-gene signature in 6 MCL primary samples. Hierarchical clustering of 3 BCR<sup>low</sup> MCL primary samples (blue bar under the horizontal dendrogram) and 3 BCR<sup>high</sup> MCL primary samples (red bar under the horizontal dendrogram), is shown. B) Primary MCL cells and ibrutinib treatment. MCL cells were incubated with 100 nM ibrutinib and the apoptotic and necrotic cell population measured using annexinV/7AAD staining at various time points. Displayed is the viable double-negative (DN) cell fraction normalized to the individual DN fraction measured in the solvent only controls. C) Phospho-flow analysis of (p)-BTK. The histogram plot overlays show (p)-BTK in unstimulated, and anti-IgM stimulated cells from three BCR<sup>high</sup>, and two BCR<sup>low</sup> MCL primary samples. Color codes for gene expression values refer to mean centered log-ratio values. Data represent mean  $\pm$  SEM; P values refer to independent sample t-test.

Figure S1

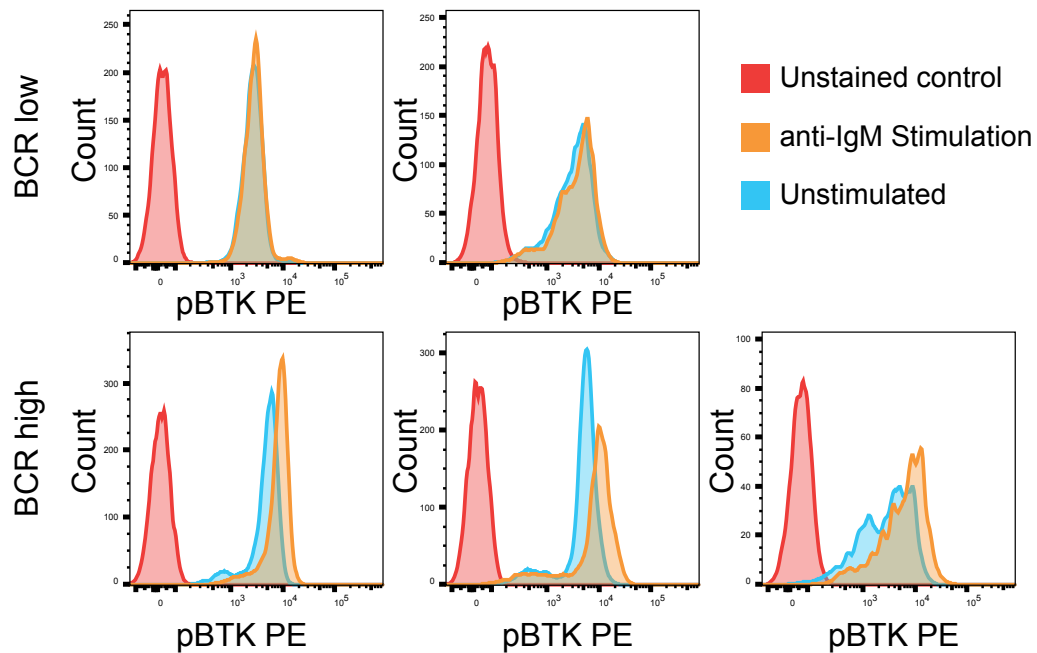
A



B



C





**Table S1. Differentially expressed genes between sensitive and insensitive MCL cell lines respect to ibrutinib treatment**

ProbeName	GeneSymbol	Description	Fold change (Insensitive vs Sensitive)	Regulation (Insensitive vs Sensitive)	Position in Heatmap
A_23_P113471	FAAH2	Homo sapiens fatty acid amide hydrolase 2 (FAAH2), mRNA [NM_174912]	14.69	up	1
A_33_P3808996	SPATS2	Homo sapiens spermatogenesis associated, serine-rich 2 (SPATS2), transcript variant 3, mRNA [NM_023071]	2.31	up	2
A_23_P110196	HERC5	Homo sapiens HECT and RLD domain containing E3 ubiquitin protein ligase 5 (HERC5), mRNA [NM_016323]	161.39	up	3
A_24_P82135	SECISBP2L	Homo sapiens SECIS binding protein 2-like (SECISBP2L), transcript variant 2, mRNA [NM_014701]	2.62	up	4
A_21_P0008202	DNAJC3-AS1	DNAJC3 antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:HGNC:39808] [ENST0000499499]	4.16	up	5
A_24_P22746	ZADH2	Homo sapiens zinc binding alcohol dehydrogenase domain containing 2 (ZADH2), mRNA [NM_175907]	2.94	up	6
A_23_P404606	CREBRF	Homo sapiens CREB3 regulatory factor (CREBRF), transcript variant 1, mRNA [NM_153607]	4.03	up	7
A_19_P00317272	LINC01191	Homo sapiens long intergenic non-protein coding RNA 1191 (LINC01191), long non-coding RNA [NR_034128]	5.69	up	8
A_24_P140391	PIGY	Homo sapiens phosphatidylinositol glycan anchor biosynthesis, class Y (PIGY), mRNA [NM_001042616]	2.67	up	9
A_33_P3388983	C5orf56	Homo sapiens cDNA: FLJ21568 fis, clone COL06492. [AK025221]	4.92	up	10
A_23_P361381	DMC1	Homo sapiens DNA meiotic recombinase 1 (DMC1), transcript variant 1, mRNA [NM_007068]	3.69	up	11
A_23_P427760	PIWIL4	Homo sapiens piwi-like RNA-mediated gene silencing 4 (PIWIL4), mRNA [NM_152431]	7.01	up	12
A_23_P50907	ITGAV	Homo sapiens integrin, alpha V (ITGAV), transcript variant 1, mRNA [NM_002210]	23.95	up	13
A_33_P3462960	DNAJC3	Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 3 (DNAJC3), mRNA [NM_006260]	4.12	up	14
A_32_P206949	TMEM17	Homo sapiens transmembrane protein 17 (TMEM17), mRNA [NM_198276]	7.46	up	15
A_23_P373724	PPFIBP1	Homo sapiens PTPRF interacting protein, binding protein 1 (liprin beta 1) (PPFIBP1), transcript variant 1, mRNA [NM_003622]	54.96	up	16
A_23_P87049	SORL1	Homo sapiens sortilin-related receptor, L(DLR class) A repeats containing (SORL1), mRNA [NM_003105]	28.75	up	17
A_23_P382043	NT5DC1	Homo sapiens 5'-nucleotidase domain containing 1 (NT5DC1), mRNA [NM_152729]	2.21	up	18
A_23_P133133	ALPK1	Homo sapiens alpha-kinase 1 (ALPK1), transcript variant 1, mRNA [NM_025144]	4.41	up	19
A_21_P0002442	lnc-FANCL-2	LNCipedia lincRNA (lnc-FANCL-2), lincRNA [lnc-FANCL-2:1]	2.87	up	20
A_23_P153286	ZNF234	Homo sapiens zinc finger protein 234 (ZNF234), transcript variant 1, mRNA [NM_006630]	73.59	up	21
A_24_P301629	ZNF155	Homo sapiens zinc finger protein 155 (ZNF155), transcript variant 1, mRNA [NM_003445]	2.99	up	22
A_32_P68504	ZDBF2	Homo sapiens zinc finger, DBF-type containing 2 (ZDBF2), transcript variant 1, mRNA [NM_020923]	16.14	up	23
A_33_P3310780	CTTN	Homo sapiens cortactin (CTTN), transcript variant 1, mRNA [NM_005231]	42.17	up	24
A_24_P111242	SVIP	Homo sapiens small VCP/p97-interacting protein (SVIP), mRNA [NM_148893]	38.77	up	25
A_24_P239606	GADD45B	Homo sapiens growth arrest and DNA-damage-inducible, beta (GADD45B), mRNA [NM_015675]	10.14	up	26
A_33_P3395274	ZADH2	Homo sapiens zinc binding alcohol dehydrogenase domain containing 2 (ZADH2), mRNA [NM_175907]	2.91	up	27
A_33_P3365864	BSDC1	Homo sapiens BSD domain containing 1 (BSDC1), transcript variant 1, mRNA [NM_001143888]	2.14	up	28
A_23_P214766	HIVEP2	Homo sapiens human immunodeficiency virus type I enhancer binding protein 2 (HIVEP2), mRNA [NM_006734]	2.25	up	29
A_21_P0005620	LOC101927815	Homo sapiens uncharacterized LOC101927815 (LOC101927815), transcript variant 3, long non-coding RNA [NR_125426]	57.01	up	30
A_32_P116840	CTAGE5	Homo sapiens CTAGE family, member 5 (CTAGE5), transcript variant 4, mRNA [NM_203356]	2.55	up	31
A_23_P121082	GBE1	Homo sapiens glucan (1,4-alpha-), branching enzyme 1 (GBE1), mRNA [NM_000158]	2.40	up	32
A_33_P3441060	TMEM242	Homo sapiens transmembrane protein 242 (TMEM242), mRNA [NM_018452]	3.58	up	33
A_23_P258621	RTCA	Homo sapiens RNA 3'-terminal phosphate cyclase (RTCA), transcript variant 2, mRNA [NM_003729]	2.76	up	34
A_33_P3240538	TUBE1	Homo sapiens tubulin, epsilon 1 (TUBE1), mRNA [NM_016262]	2.78	up	35
A_33_P3325349	TSPAN5	Homo sapiens tetraspanin 5 (TSPAN5), mRNA [NM_005723]	19.67	up	36
A_23_P17354	GDAP1L1	Homo sapiens ganglioside induced differentiation associated protein 1-like 1 (GDAP1L1), transcript variant 2, mRNA [NM_024034]	3.88	up	37
A_33_P3398697	PICK1	Homo sapiens protein interacting with PRKCA 1 (PICK1), transcript variant 1, mRNA [NM_012407]	7.85	up	38
A_21_P0005621	LOC101927815	Homo sapiens uncharacterized LOC101927815 (LOC101927815), transcript variant 3, long non-coding RNA [NR_125426]	3.17	up	39
A_23_P425880	TRIO	Homo sapiens trio Rho guanine nucleotide exchange factor (TRIO), mRNA [NM_007118]	2.34	up	40
A_21_P0009174	Q8IVV4_HUMAN	Q8IVV4_HUMAN (Q8IVV4) TPTEps1 protein (Fragment), partial (27%) [THC2752122]	2.13	up	41
A_33_P3403102	PRR18	Homo sapiens proline rich 18 (PRR18), mRNA [NM_175922]	8.66	up	42
A_33_P3286739	N4BP2L1	PREDICTED: Homo sapiens NEDD4 binding protein 2-like 1 (N4BP2L1), transcript variant X1, mRNA [XM_006719890]	3.88	up	43
A_33_P3251289	VIMP	Homo sapiens VCP-interacting membrane protein (VIMP), transcript variant 2, mRNA [NM_018445]	3.21	up	44
A_33_P3388466	BTN3A1	Homo sapiens butyrophilin, subfamily 3, member A1 (BTN3A1), transcript variant 1, mRNA [NM_007048]	3.57	up	45
A_23_P377245	LOC653160	Homo sapiens uncharacterized LOC653160 (LOC653160), long non-coding RNA [NR_037869]	2.62	up	46
A_23_P428842	TMEM44	Homo sapiens transmembrane protein 44 (TMEM44), transcript variant 1, mRNA [NM_138399]	2.23	up	47
A_33_P3285145	LOC100131826	Homo sapiens clone DNA129794 TSSP3028 (UNQ3028) mRNA, complete cds. [AY358789]	7.78	up	48
A_23_P402952	CTAGE15	Homo sapiens CTAGE family, member 15 (CTAGE15), mRNA [NM_001008747]	2.11	up	49
A_24_P169773	CTAGE4	Homo sapiens CTAGE family, member 4 (CTAGE4), mRNA [NM_198495]	2.16	up	50
A_24_P332623	CTAGE11P	Homo sapiens CTAGE family, member 11, pseudogene (CTAGE11P), non-coding RNA [NR_027466]	2.03	up	51
A_33_P3408711	FLNA	Homo sapiens filamin A, alpha (FLNA), transcript variant 1, mRNA [NM_001456]	2.29	up	52
A_21_P0005647			18.49	up	53
A_33_P3418025	CTSO	Homo sapiens cathepsin O (CTSO), mRNA [NM_001334]	26.42	up	54
A_24_P37712	TEC	Homo sapiens tec protein tyrosine kinase (TEC), mRNA [NM_003215]	8.77	up	55
A_23_P140648	CYFIP1	Homo sapiens cytoplasmic FMR1 interacting protein 1 (CYFIP1), transcript variant 1, mRNA [NM_014608]	30.05	up	56
A_23_P103775	LRRC8C	Homo sapiens leucine rich repeat containing 8 family, member C (LRRC8C), mRNA [NM_032270]	2.54	up	57
A_23_P250735	CBX7	Homo sapiens chromobox homolog 7 (CBX7), mRNA [NM_175709]	8.00	up	58
A_23_P77174	PIGB	Homo sapiens phosphatidylinositol glycan anchor biosynthesis, class B (PIGB), mRNA [NM_004855]	2.18	up	59

A_19_P00317360	ATP2C1	Homo sapiens ATPase, Ca++ transporting, type 2C, member 1 (ATP2C1), transcript variant 8, mRNA [NM_001199182]	12.72	up	60
A_23_P96590	GPRASP1	Homo sapiens G protein-coupled receptor associated sorting protein 1 (GPRASP1), transcript variant 1, mRNA [NM_014710]	11.27	up	61
A_24_P54390	RASGRP3	Homo sapiens RAS guanyl releasing protein 3 (calcium and DAG-regulated) (RASGRP3), transcript variant 2, mRNA [NM_170672]	21.24	up	62
A_33_P3365582	RASGRP3	Homo sapiens RAS guanyl releasing protein 3 (calcium and DAG-regulated) (RASGRP3), transcript variant 1, mRNA [NM_001139488]	25.51	up	63
A_23_P110879	TRAF3IP2	Homo sapiens TRAF3 interacting protein 2 (TRAF3IP2), transcript variant 2, mRNA [NM_147686]	19.64	up	64
A_33_P3412900	CBLN3	Homo sapiens cerebellin 3 precursor (CBLN3), mRNA [NM_001039771]	3.76	up	65
A_33_P3380682	TBPL1	Homo sapiens TBP-like 1 (TBPL1), transcript variant 1, mRNA [NM_001253676]	2.01	up	66
A_23_P255714	IFT74	Homo sapiens intraflagellar transport 74 (IFT74), transcript variant 1, mRNA [NM_025103]	4.27	up	67
A_24_P129232	SERINC1	Homo sapiens serine incorporator 1 (SERINC1), mRNA [NM_020755]	2.55	up	68
A_23_P50426	KANK2	Homo sapiens KN motif and ankyrin repeat domains 2 (KANK2), transcript variant 1, mRNA [NM_015493]	3.52	up	69
A_23_P310460	MDGA1	Homo sapiens MAM domain containing glycosylphosphatidylinositol anchor 1 (MDGA1), mRNA [NM_153487]	34.55	up	70
A_23_P62890	GBP1	Homo sapiens guanylate binding protein 1, interferon-inducible (GBP1), mRNA [NM_002053]	74.95	up	71
A_24_P148094	LEPROT	Homo sapiens leptin receptor overlapping transcript (LEPROT), transcript variant 1, mRNA [NM_017526]	4.02	up	72
A_23_P1962	RARRES3	Homo sapiens retinoic acid receptor responder (tazarotene induced) 3 (RARRES3), mRNA [NM_004585]	2.94	up	73
A_33_P3341474	ZBTB38	Homo sapiens zinc finger and BTB domain containing 38 (ZBTB38), mRNA [NM_001080412]	32.93	up	74
A_24_P304723	PPIB	Homo sapiens peptidylprolyl isomerase B (cyclophilin B) (PPIB), mRNA [NM_000942]	2.10	up	75
A_21_P0010494	Inc-PPIAL4G-4	Homo sapiens cDNA clone IMAGE:3625232, partial cds. [BC012753]	14.75	up	76
A_23_P212458	SEC61A1	Homo sapiens Sec61 alpha 1 subunit (S. cerevisiae) (SEC61A1), mRNA [NM_013336]	2.91	up	77
A_23_P128246	FICD	Homo sapiens FIC domain containing (FICD), mRNA [NM_007076]	2.81	up	78
A_32_P75094	AIFM2	Homo sapiens apoptosis-inducing factor, mitochondrion-associated, 2 (AIFM2), transcript variant 2, mRNA [NM_032797]	3.58	up	79
A_23_P206371	NOL3	Homo sapiens nucleolar protein 3 (apoptosis repressor with CARD domain) (NOL3), transcript variant 2, mRNA [NM_003946]	2.44	up	80
A_23_P36700	TAPBPL	Homo sapiens TAP binding protein-like (TAPBPL), mRNA [NM_018009]	2.47	up	81
A_24_P378402	ZNF597	Homo sapiens zinc finger protein 597 (ZNF597), mRNA [NM_152457]	2.94	up	82
A_33_P3283611	IFIT3	Homo sapiens interferon-induced protein with tetratricopeptide repeats 3 (IFIT3), transcript variant 3, mRNA [NM_001289758]	33.57	up	83
A_24_P397515	HMGNA4	Homo sapiens high mobility group nucleosomal binding domain 4 (HMGNA4), mRNA [NM_006353]	2.71	up	84
A_23_P93543	PEX7	Homo sapiens peroxisomal biogenesis factor 7 (PEX7), mRNA [NM_000288]	2.40	up	85
A_33_P3253687	GVINP1	Homo sapiens GTPase, very large interferon inducible pseudogene 1 (GVINP1), non-coding RNA [NR_003945]	10.12	up	86
A_23_P14774	CTSH	Homo sapiens cathepsin H (CTSH), mRNA [NM_004390]	5.49	up	87
A_23_P59005	TAP1	Homo sapiens transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) (TAP1), transcript variant 1, mRNA [NM_000593]	5.47	up	88
A_21_P0010649	XLOC_I2_001086	BROAD Institute lincRNA (XLOC_I2_001086), lincRNA [TCONS_I2_00001494]	16.36	up	89
A_21_P0010648	XLOC_I2_001086	BROAD Institute lincRNA (XLOC_I2_001086), lincRNA [TCONS_I2_00001492]	18.08	up	90
A_24_P351283	MREG	Homo sapiens melanoregulin (MREG), mRNA [NM_018000]	8.87	up	91
A_23_P108948	MREG	Homo sapiens melanoregulin (MREG), mRNA [NM_018000]	8.53	up	92
A_33_P3348204	FAM218A	Homo sapiens family with sequence similarity 218, member A (FAM218A), mRNA [NM_153027]	4.87	up	93
A_33_P3238993	AGFG1	Homo sapiens ArfGAP with FG repeats 1 (AGFG1), transcript variant 1, mRNA [NM_001135187]	2.10	up	94
A_24_P74571	CBY1	Homo sapiens chibby homolog 1 (Drosophila) (CBY1), transcript variant 2, mRNA [NM_001002880]	2.09	up	95
A_23_P385081	SCAMP2	Homo sapiens secretory carrier membrane protein 2 (SCAMP2), mRNA [NM_005697]	2.48	up	96
A_19_P00321110	TIAM2	T-cell lymphoma invasion and metastasis 2 [Source:HGNC Symbol;Acc:HGNC:11806] [ENST00000449545]	2.93	up	97
A_33_P3233834	IL6ST	Homo sapiens interleukin 6 signal transducer (IL6ST), transcript variant 3, mRNA [NM_001190981]	23.68	up	98
A_33_P3343428	TRAF3IP2	Homo sapiens TRAF3 interacting protein 2 (TRAF3IP2), transcript variant 2, mRNA [NM_147686]	11.34	up	99
A_32_P223777	IL6ST	Homo sapiens interleukin 6 signal transducer (IL6ST), transcript variant 1, mRNA [NM_002184]	19.42	up	100
A_33_P3542801	LOC729291	PREDICTED: Homo sapiens uncharacterized LOC729291 (LOC729291), misc_RNA [XR_242943]	9.22	up	101
A_23_P67913	GMPPA	Homo sapiens GDP-mannose pyrophosphorylase A (GMPPA), transcript variant 1, mRNA [NM_013335]	2.61	up	102
A_23_P94118	GTF2E2	Homo sapiens general transcription factor IIE, polypeptide 2, beta 34kDa (GTF2E2), mRNA [NM_002095]	2.68	up	103
A_23_P502312	CD97	Homo sapiens CD97 molecule (CD97), transcript variant 1, mRNA [NM_078481]	8.49	up	104
A_24_P277615	TRIM7	Homo sapiens tripartite motif containing 7 (TRIM7), transcript variant 2, mRNA [NM_203297]	4.20	up	105
A_23_P31085	CCDC28A	Homo sapiens coiled-coil domain containing 28A (CCDC28A), mRNA [NM_015439]	4.57	up	106
A_33_P3275968	SEL1L	Homo sapiens sel-1 suppressor of lin-12-like (C. elegans) (SEL1L), transcript variant 1, mRNA [NM_005065]	4.95	up	107
A_23_P396666	TBC1D2B	Homo sapiens TBC1 domain family, member 2B (TBC1D2B), transcript variant 2, mRNA [NM_015079]	2.97	up	108
A_33_P3333337	LRCH1	Homo sapiens leucine-rich repeats and calponin homology (CH) domain containing 1 (LRCH1), transcript variant 3, mRNA [NM_001164213]	2.81	up	109
A_24_P416997	APOL3	Homo sapiens apolipoprotein L, 3 (APOL3), transcript variant beta/a, mRNA [NM_145641]	13.51	up	110
A_23_P343594	USP40	Homo sapiens ubiquitin specific peptidase 40 (USP40), mRNA [NM_018218]	19.11	up	111
A_24_P314515	HNF1A-AS1	Homo sapiens HNF1A antisense RNA 1 (HNF1A-AS1), long non-coding RNA [NR_024345]	2.17	up	112
A_21_P0013548	XLOC_I2_014694	BROAD Institute lincRNA (XLOC_I2_014694), lincRNA [TCONS_I2_00028604]	21.55	up	113
A_24_P7594	APOL6	Homo sapiens apolipoprotein L, 6 (APOL6), mRNA [NM_030641]	10.94	up	114
A_33_P3233841	IL6ST	Homo sapiens interleukin 6 signal transducer (IL6ST), transcript variant 1, mRNA [NM_002184]	30.79	up	115
A_33_P3287338	IL6ST	Homo sapiens interleukin 6 signal transducer (IL6ST), transcript variant 3, mRNA [NM_001190981]	35.58	up	116
A_23_P216655	TRIM14	Homo sapiens tripartite motif containing 14 (TRIM14), transcript variant 1, mRNA [NM_014788]	2.82	up	117
A_21_P0008224			3.61	up	118
A_33_P3217689	JMY	Homo sapiens junction mediating and regulatory protein, p53 cofactor (JMY), mRNA [NM_152405]	3.01	up	119
A_24_P941866	C5orf56	Homo sapiens cDNA FLJ39622 fis, clone SMINT2001199. [AK096941]	5.19	up	120
A_33_P3285391		Homo sapiens cDNA: FLJ21394 fis, clone COL03536. [AK025047]	2.02	up	121

A_33_P3218013			26.19	up	122
A_23_P123622	NPR2	Homo sapiens natriuretic peptide receptor 2 (NPR2), mRNA [NM_003995]	4.87	up	123
A_33_P3303449	LEPR	Homo sapiens leptin receptor (LEPR), transcript variant 5, mRNA [NM_001198688]	4.16	up	124
A_23_P253177	STK24	Homo sapiens serine/threonine kinase 24 (STK24), transcript variant 2, mRNA [NM_001032296]	2.60	up	125
A_23_P211445	LIMK2	Homo sapiens LIM domain kinase 2 (LIMK2), transcript variant 2b, mRNA [NM_016733]	2.21	up	126
A_33_P3314441	FBXL17	Homo sapiens F-box and leucine-rich repeat protein 17 (FBXL17), mRNA [NM_001163315]	2.11	up	127
A_21_P0011538	XL0C_I2_005731	BROAD Institute lincRNA (XL0C_I2_005731), lincRNA [TCONS_I2_0010693]	6.75	up	128
A_23_P99741	CDKL1	Homo sapiens cyclin-dependent kinase-like 1 (CDC2-related kinase) (CDKL1), transcript variant 1, mRNA [NM_004196]	3.87	up	129
A_19_P00321306	RNF213	Homo sapiens ring finger protein 213 (RNF213), transcript variant 3, mRNA [NM_001256071]	2.73	up	130
A_23_P408996	MBOAT1	Homo sapiens membrane bound O-acyltransferase domain containing 1 (MBOAT1), transcript variant 1, mRNA [NM_001080480]	641.03	up	131
A_33_P3292769	NFAM1	Homo sapiens NFAT activating protein with ITAM motif 1 (NFAM1), mRNA [NM_145912]	211.84	up	132
A_23_P317756	ACSM3	Homo sapiens acyl-CoA synthetase medium-chain family member 3 (ACSM3), transcript variant 2, mRNA [NM_202000]	3.78	up	133
A_23_P111000	PSMB9	Homo sapiens proteasome (prosome, macropain) subunit, beta type, 9 (PSMB9), mRNA [NM_002800]	5.49	up	134
A_24_P355944	EFNB2	Homo sapiens ephrin-B2 (EFNB2), mRNA [NM_004093]	5.93	up	135
A_23_P309619	KIAA1671	Homo sapiens KIAA1671 (KIAA1671), mRNA [NM_001145206]	11.68	up	136
A_33_P3367984	ABCA12	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 12 (ABCA12), transcript variant 1, mRNA [NM_173076]	924.89	up	137
A_24_P162226	RIMBP2	Homo sapiens RIMS binding protein 2 (RIMBP2), mRNA [NM_015347]	33.64	up	138
A_23_P151267	LIMA1	Homo sapiens LIM domain and actin binding 1 (LIMA1), transcript variant 2, mRNA [NM_016357]	7.69	up	139
A_33_P3417532	ILDR1	Homo sapiens immunoglobulin-like domain containing receptor 1 (ILDR1), transcript variant 1, mRNA [NM_001199799]	7.61	up	140
A_33_P3273552	KRT83	Homo sapiens keratin 83, type II (KRT83), mRNA [NM_002282]	8.26	up	141
A_23_P61371	TMEM173	Homo sapiens transmembrane protein 173 (TMEM173), transcript variant 1, mRNA [NM_198282]	33.49	up	142
A_19_P00318641	TSTD3	Homo sapiens thiosulfate sulfurtransferase (rhodanase)-like domain containing 3 (TSTD3), mRNA [NM_001195131]	4.25	up	143
A_23_P136012	FBXO8	Homo sapiens F-box protein 8 (FBXO8), mRNA [NM_012180]	2.95	up	144
A_33_P3334102	ARHGAP27	Homo sapiens Rho GTPase activating protein 27 (ARHGAP27), transcript variant 3, mRNA [NM_174919]	2.78	up	145
A_23_P14734	RPS27L	Homo sapiens ribosomal protein S27-like (RPS27L), mRNA [NM_015920]	2.83	up	146
A_33_P3406899	TRAK1	Homo sapiens trafficking protein, kinesin binding 1 (TRAK1), transcript variant 3, mRNA [NM_001265608]	2.79	up	147
A_21_P0013549	RFX3-AS1	Homo sapiens RFX3 antisense RNA 1 (RFX3-AS1), long non-coding RNA [NR_121586]	14.76	up	148
A_21_P0013550	RFX3-AS1	Homo sapiens RFX3 antisense RNA 1 (RFX3-AS1), long non-coding RNA [NR_121586]	29.48	up	149
A_33_P3333900	LOC100129572	Homo sapiens cDNA FLJ38722 fis, clone KIDNE2010084. [AK096041]	5.20	up	150
A_23_P128808	GPR132	Homo sapiens G protein-coupled receptor 132 (GPR132), transcript variant 2, mRNA [NM_013345]	14.27	up	151
A_23_P52610	DDB2	Homo sapiens damage-specific DNA binding protein 2, 48kDa (DDB2), mRNA [NM_000107]	4.99	up	152
A_24_P197964	TRIM14	Homo sapiens tripartite motif containing 14 (TRIM14), transcript variant 1, mRNA [NM_014788]	2.99	up	153
A_23_P99747	CDKL1	Homo sapiens cyclin-dependent kinase-like 1 (CDC2-related kinase) (CDKL1), transcript variant 1, mRNA [NM_004196]	5.02	up	154
A_23_P41872	B4GALT7	Homo sapiens xylosylprotein beta 1,4-galactosyltransferase, polypeptide 7 (B4GALT7), mRNA [NM_007255]	2.52	up	155
A_23_P145631	GIMAP6	Homo sapiens GTPase, IMAP family member 6 (GIMAP6), transcript variant 1, mRNA [NM_024711]	108.62	up	156
A_19_P00322453	LINC00886	long intergenic non-protein coding RNA 886 [Source:HGNC Symbol;Acc:HGNC:48572] [ENST00000473352]	20.46	up	157
A_33_P3237634	TSC22D3	Homo sapiens TSC22 domain family, member 3 (TSC22D3), transcript variant 2, mRNA [NM_004089]	13.73	up	158
A_33_P3383955	DDB2	Homo sapiens damage-specific DNA binding protein 2, 48kDa (DDB2), transcript variant D1, mRNA [NM_001300734]	4.87	up	159
A_23_P41246	MFSD10	Homo sapiens major facilitator superfamily domain containing 10 (MFSD10), transcript variant 1, mRNA [NM_001120]	2.26	up	160
A_23_P312150	EDN2	Homo sapiens endothelin 2 (EDN2), transcript variant 1, mRNA [NM_001956]	9.18	up	161
A_21_P0010465	lnc-APOBEC3F-1	LNCipedia lincRNA (lnc-APOBEC3F-1), lincRNA [lnc-APOBEC3F-1:1]	5.47	up	162
A_23_P212042	MF12	Homo sapiens antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5 (MF12), transcript variant 1, mRNA [NM_005929]	6.56	up	163
A_23_P39542	C2orf76	Homo sapiens chromosome 2 open reading frame 76 (C2orf76), mRNA [NM_001017927]	2.51	up	164
A_23_P23639	MCOLN2	Homo sapiens mucopolip 2 (MCOLN2), mRNA [NM_153259]	4.84	up	165
A_23_P114057	SEMA4C	Homo sapiens sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C (SEMA4C), mRNA [NM_017789]	8.19	up	166
A_23_P129246	PLEKHO2	Homo sapiens pleckstrin homology domain containing, family O member 2 (PLEKHO2), transcript variant 1, mRNA [NM_025201]	3.95	up	167
A_33_P3316587	SLC22A18AS	Homo sapiens solute carrier family 22 (organic cation transporter), member 18 antisense (SLC22A18AS), transcript variant 1, mRNA [NM_007105]	9.43	up	168
A_33_P3388815	FPGT	Homo sapiens fucose-1-phosphate guanylyltransferase (FPGT), transcript variant 1, mRNA [NM_003838]	3.73	up	169
A_23_P171132	EDA2R	Homo sapiens ectodysplasin A2 receptor (EDA2R), transcript variant 2, mRNA [NM_021783]	4.51	up	170
A_24_P281439	OR2T5	Homo sapiens olfactory receptor, family 2, subfamily T, member 5 (OR2T5), mRNA [NM_001004697]	8.40	up	171
A_21_P0007301	lnc-NTM-4	LNCipedia lincRNA (lnc-NTM-4), lincRNA [lnc-NTM-4:1]	16.45	up	172
A_23_P44112	LAT	Homo sapiens linker for activation of T cells (LAT), transcript variant 1, mRNA [NM_014387]	2.47	up	173
A_33_P3311285	LMNA	Homo sapiens lamin A/C (LMNA), transcript variant 1, mRNA [NM_170707]	7.18	up	174
A_23_P395172	ABHD2	Homo sapiens abhydrolase domain containing 2 (ABHD2), transcript variant 1, mRNA [NM_007011]	2.72	up	175
A_33_P3210585	AAK1	Homo sapiens AP2 associated kinase 1 (AAK1), mRNA [NM_014911]	5.19	up	176
A_21_P0006242	lnc-PPP1R26-2	LNCipedia lincRNA (lnc-PPP1R26-2), lincRNA [lnc-PPP1R26-2:1]	2.82	up	177
A_33_P3412095	PEX7	Homo sapiens peroxisomal biogenesis factor 7 (PEX7), mRNA [NM_000288]	2.19	up	178
A_23_P358709	AHRR	Homo sapiens aryl-hydrocarbon receptor repressor (AHRR), transcript variant 1, mRNA [NM_020731]	32.03	up	179
A_33_P3258346	XAF1	Homo sapiens XIAP associated factor 1 (XAF1), transcript variant 1, mRNA [NM_017523]	7.38	up	180
A_23_P23074	IFI44	Homo sapiens interferon-induced protein 44 (IFI44), mRNA [NM_006417]	185.58	up	181
A_23_P78289	FAM104A	Homo sapiens family with sequence similarity 104, member A (FAM104A), transcript variant 2, mRNA [NM_032837]	2.04	up	182
A_33_P3262181	APOBEC3F	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3F (APOBEC3F), transcript variant 2, mRNA [NM_001006666]	6.01	up	183

A_23_P64828	OAS1	Homo sapiens 2'-5'-oligoadenylate synthetase 1, 40/46kDa (OAS1), transcript variant 2, mRNA [NM_002534]	12.31	up	184
A_23_P52266	IFIT1	Homo sapiens interferon-induced protein with tetratricopeptide repeats 1 (IFIT1), transcript variant 1, mRNA [NM_001548]	84.19	up	185
A_33_P3414922		Homo sapiens cDNA clone IMAGE:6499259, partial cds. [BC070144]	6.29	up	186
A_24_P378019	IRF7	Homo sapiens interferon regulatory factor 7 (IRF7), transcript variant d, mRNA [NM_004031]	5.44	up	187
A_23_P380857	APOL4	Homo sapiens apolipoprotein L, 4 (APOL4), transcript variant a, mRNA [NM_030643]	8.58	up	188
A_23_P39465	BST2	Homo sapiens bone marrow stromal cell antigen 2 (BST2), mRNA [NM_004335]	5.51	up	189
A_32_P56249	USP30-AS1	Homo sapiens USP30 antisense RNA 1 (USP30-AS1), long non-coding RNA [NR_038996]	12.64	up	190
A_23_P161076	CD2	Homo sapiens CD2 molecule (CD2), mRNA [NM_001767]	2.66	up	191
A_23_P3532	LITAF	Homo sapiens lipopolysaccharide-induced TNF factor (LITAF), transcript variant 1, mRNA [NM_004862]	3.20	up	192
A_33_P3220911	BST2	Homo sapiens bone marrow stromal cell antigen 2 (BST2), mRNA [NM_004335]	4.88	up	193
A_21_P0013689	RFX3-AS1	Homo sapiens RFX3 antisense RNA 1 (RFX3-AS1), long non-coding RNA [NR_121586]	3.52	up	194
A_32_P45168	IL6ST	Homo sapiens interleukin 6 signal transducer (IL6ST), transcript variant 1, mRNA [NM_002184]	5.00	up	195
A_23_P60354	SMARCA2	Homo sapiens SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2), transcript variant 2, mRNA [NM_139045]	4.55	up	196
A_19_P00317052	RNF213	Homo sapiens ring finger protein 213 (RNF213), transcript variant 3, mRNA [NM_001256071]	2.97	up	197
A_23_P254254	SGSH	Homo sapiens N-sulfoglucosamine sulfohydrolase (SGSH), mRNA [NM_000199]	6.05	up	198
A_24_P83808		SEC11 homolog B, pseudogene (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:31884] [ENST00000518383]	2.74	up	199
A_33_P3695899	FLJ31104	Homo sapiens uncharacterized LOC441072 (FLJ31104), long non-coding RNA [NR_102755]	14.21	up	200
A_24_P89457	CDKN1A	Homo sapiens cyclin-dependent kinase inhibitor 1A (p21, Cip1) (CDKN1A), transcript variant 2, mRNA [NM_078467]	14.37	up	201
A_23_P102037	COQ10B	Homo sapiens coenzyme Q10 homolog B (S. cerevisiae) (COQ10B), mRNA [NM_025147]	2.17	up	202
A_21_P0005841	lnc-CA8-2	LNCipedia lincRNA (lnc-CA8-2), lincRNA [lnc-CA8-2:1]	3.72	up	203
A_21_P0011226	LINC00571	long intergenic non-protein coding RNA 571 [Source:HGNC Symbol;Acc:HGNC:43721] [ENST00000451826]	5.42	up	204
A_33_P3341616	GVINP1	Homo sapiens GTPase, very large interferon inducible pseudogene 1 (GVINP1), non-coding RNA [NR_003945]	6.78	up	205
A_23_P502470	IL6ST	Homo sapiens interleukin 6 signal transducer (IL6ST), transcript variant 1, mRNA [NM_002184]	26.10	up	206
A_21_P0014907			9.75	up	207
A_23_P79331	TMBIM1	Homo sapiens transmembrane BAX inhibitor motif containing 1 (TMBIM1), mRNA [NM_022152]	15.99	up	208
A_23_P426636	AHNAK	Homo sapiens AHNAK nucleoprotein (AHNAK), transcript variant 1, mRNA [NM_001620]	11.48	up	209
A_33_P3379967	HLA-F	Homo sapiens major histocompatibility complex, class I, F (HLA-F), transcript variant 3, mRNA [NM_001098478]	52.64	up	210
A_21_P0013690		RST30466 Athersys RAGE Library Homo sapiens cDNA, mRNA sequence [BG210915]	21.05	up	211
A_21_P0010642	LOC101929023	Homo sapiens uncharacterized LOC101929023 (LOC101929023), transcript variant 2, long non-coding RNA [NR_125973]	2.70	up	212
A_23_P316511	HOXB3	Homo sapiens homeobox B3 (HOXB3), mRNA [NM_002146]	5.67	up	213
A_23_P502224	CYB5R3	Homo sapiens cytochrome b5 reductase 3 (CYB5R3), transcript variant 2, mRNA [NM_007326]	2.78	up	214
A_33_P3400273	SELL	Homo sapiens selectin L (SELL), transcript variant 1, mRNA [NM_000655]	122.40	up	215
A_21_P0005788	lnc-CSMD1-1	LNCipedia lincRNA (lnc-CSMD1-1), lincRNA [lnc-CSMD1-1:7]	4.95	up	216
A_21_P0012042			47.86	up	217
A_23_P70748	REPS1	Homo sapiens RALBP1 associated Eps domain containing 1 (REPS1), transcript variant 1, mRNA [NM_031922]	2.48	up	218
A_23_P389250	SMCO2	Homo sapiens single-pass membrane protein with coiled-coil domains 2 (SMCO2), mRNA [NM_001145010]	15.38	up	219
A_23_P212497	ACAD11	Homo sapiens acyl-CoA dehydrogenase family, member 11 (ACAD11), mRNA [NM_032169]	3.43	up	220
A_24_P82155	ANKDD1A	ankyrin repeat and death domain containing 1A [Source:HGNC Symbol;Acc:HGNC:28002] [ENST00000620154]	17.68	up	221
A_21_P0005076	lnc-SERAC1-5	LNCipedia lincRNA (lnc-SERAC1-5), lincRNA [lnc-SERAC1-5:1]	2.54	up	222
A_23_P93431	AIG1	Homo sapiens androgen-induced 1 (AIG1), transcript variant 1, mRNA [NM_016108]	40.87	up	223
A_33_P3311473	ATP10D	Homo sapiens ATPase, class V, type 10D (ATP10D), mRNA [NM_020453]	4.52	up	224
A_23_P80503	ROBO1	Homo sapiens roundabout, axon guidance receptor, homolog 1 (Drosophila) (ROBO1), transcript variant 2, mRNA [NM_133631]	15.31	up	225
A_19_P00804072	RNF213	Homo sapiens ring finger protein 213 (RNF213), transcript variant 3, mRNA [NM_001256071]	3.25	up	226
A_33_P3329769	BEND6	Homo sapiens BEN domain containing 6 (BEND6), mRNA [NM_152731]	13.79	up	227
A_21_P0008267		PREDICTED: Homo sapiens uncharacterized LOC102725228 (LOC102725228), ncRNA [XR_432949]	3.13	up	228
A_33_P3406030	LRRC8C	Homo sapiens leucine rich repeat containing 8 family, member C (LRRC8C), mRNA [NM_032270]	3.08	up	229
A_23_P36658	MGST1	Homo sapiens microsomal glutathione S-transferase 1 (MGST1), transcript variant 3, mRNA [NM_145791]	602.47	up	230
A_32_P176550	JMY	Homo sapiens junction mediating and regulatory protein, p53 cofactor (JMY), mRNA [NM_152405]	2.82	up	231
A_32_P217750	IL3RA	Homo sapiens interleukin 3 receptor, alpha (low affinity) (IL3RA), transcript variant 1, mRNA [NM_002183]	76.99	up	232
A_33_P3324884	MICAL1	Homo sapiens microtubule associated monoxygenase, calponin and LIM domain containing 1 (MICAL1), transcript variant 3, mRNA [NM_001286613]	2.60	up	233
A_33_P3298216	MYO16	Homo sapiens myosin XVI (MYO16), transcript variant 1, mRNA [NM_001198950]	6.31	up	234
A_33_P3365870	BSDC1	Homo sapiens BSD domain containing 1 (BSDC1), transcript variant 1, mRNA [NM_001143888]	2.00	up	235
A_21_P0014003	DST	dystonin [Source:HGNC Symbol;Acc:HGNC:1090] [ENST00000521821]	69.76	up	236
A_24_P243741	ADAM22	Homo sapiens ADAM metalloproteinase domain 22 (ADAM22), transcript variant 5, mRNA [NM_021721]	5.28	up	237
A_33_P3397658	SYNPO	synaptopodin [Source:HGNC Symbol;Acc:HGNC:30672] [ENST00000394243]	36.12	up	238
A_23_P201386	DDAH1	Homo sapiens dimethylarginine dimethylaminohydrolase 1 (DDAH1), transcript variant 1, mRNA [NM_012137]	9.80	up	239
A_33_P3416563	AIG1	Homo sapiens androgen-induced 1 (AIG1), transcript variant 1, mRNA [NM_016108]	51.08	up	240
A_21_P0010767	LOC101929023	Homo sapiens uncharacterized LOC101929023 (LOC101929023), transcript variant 2, long non-coding RNA [NR_125973]	24.64	up	241
A_23_P8961	IL7	Homo sapiens interleukin 7 (IL7), transcript variant 1, mRNA [NM_000880]	77.79	up	242
A_24_P144620	TMEM242	Homo sapiens transmembrane protein 242 (TMEM242), mRNA [NM_018452]	2.65	up	243
A_23_P129174	LRRC49	Homo sapiens leucine rich repeat containing 49 (LRRC49), transcript variant 2, mRNA [NM_017691]	20.99	up	244
A_32_P219520	TNFAIP8	Homo sapiens tumor necrosis factor, alpha-induced protein 8 (TNFAIP8), transcript variant 1, mRNA [NM_014350]	2.16	up	245

A_23_P302018	TXK	Homo sapiens TXK tyrosine kinase (TXK), mRNA [NM_003328]	5.01	up	246
A_23_P382705	TMTC2	Homo sapiens transmembrane and tetratricopeptide repeat containing 2 (TMTC2), mRNA [NM_152588]	25.80	up	247
A_23_P503072	CCL28	Homo sapiens chemokine (C-C motif) ligand 28 (CCL28), transcript variant 1, mRNA [NM_148672]	39.41	up	248
A_33_P3416574	AIG1	Homo sapiens androgen-induced 1 (AIG1), transcript variant 1, mRNA [NM_016108]	13.28	up	249
A_23_P63896	FAS	Homo sapiens Fas cell surface death receptor (FAS), transcript variant 1, mRNA [NM_000043]	26.45	up	250
A_33_P3381127	FAS	Homo sapiens Fas cell surface death receptor (FAS), transcript variant 1, mRNA [NM_000043]	24.86	up	251
A_21_P0011131	ANKRD26P3	Homo sapiens ankyrin repeat domain 26 pseudogene 3 (ANKRD26P3), non-coding RNA [NR_027248]	4.97	up	252
A_23_P259506	CYSTM1	Homo sapiens cysteine-rich transmembrane module containing 1 (CYSTM1), mRNA [NM_032412]	6.80	up	253
A_32_P163089	C12orf75	Homo sapiens chromosome 12 open reading frame 75 (C12orf75), mRNA [NM_001145199]	3.74	up	254
A_32_P30649	ETV5	Homo sapiens ets variant 5 (ETV5), mRNA [NM_004454]	30.64	up	255
A_23_P143958	RPL22L1	Homo sapiens ribosomal protein L22-like 1 (RPL22L1), mRNA [NM_001099645]	5.30	up	256
A_23_P167017	POPC2	Homo sapiens popeye domain containing 2 (POPC2), mRNA [NM_022135]	7.37	up	257
A_24_P272451	SCIMP	SLP adaptor and CSK interacting membrane protein [Source:HGNC Symbol;Acc:HGNC:33504] [ENST00000571800]	73.83	up	258
A_23_P24389	CCDC88B	Homo sapiens coiled-coil domain containing 88B (CCDC88B), mRNA [NM_032251]	2.69	up	259
A_24_P386622	ARRB1	Homo sapiens arrestin, beta 1 (ARRB1), transcript variant 1, mRNA [NM_004041]	33.69	up	260
A_21_P0014319	LOC100129781	PREDICTED: Homo sapiens uncharacterized LOC100129781 (LOC100129781), transcript variant X2, ncRNA [XR_109259]	37.80	up	261
A_33_P3350703	ERO1LB	Homo sapiens ERO1-like beta (S. cerevisiae) (ERO1LB), mRNA [NM_019891]	4.96	up	262
A_32_P41065	TMCC1	Homo sapiens transmembrane and coiled-coil domain family 1 (TMCC1), transcript variant 1, mRNA [NM_001017395]	2.81	up	263
A_23_P318420	CTTNBP2NL	Homo sapiens CTTNBP2 N-terminal like (CTTNBP2NL), mRNA [NM_018704]	25.60	up	264
A_23_P155556	CLDND1	Homo sapiens claudin domain containing 1 (CLDND1), transcript variant 6, mRNA [NM_001040199]	3.72	up	265
A_23_P160318	COL16A1	Homo sapiens collagen, type XVI, alpha 1 (COL16A1), mRNA [NM_001856]	97.46	up	266
A_23_P167920	DLL1	Homo sapiens delta-like 1 (Drosophila) (DLL1), mRNA [NM_005618]	19.61	up	267
A_24_P158718	DTX4	Homo sapiens deltex 4, E3 ubiquitin ligase (DTX4), transcript variant 1, mRNA [NM_015177]	3.81	up	268
A_23_P134125	MAP3K5	Homo sapiens mitogen-activated protein kinase kinase kinase 5 (MAP3K5), mRNA [NM_005923]	5.88	up	269
A_33_P3413325	KCNMA1	Homo sapiens potassium channel, calcium activated large conductance subfamily M alpha, member 1 (KCNMA1), transcript variant 7, mRNA [NM_001271520]	5.00	up	270
A_23_P251377	HMCES	Homo sapiens 5-hydroxymethylcytosine (hmC) binding, ES cell-specific (HMCES), transcript variant 1, mRNA [NM_001006109]	6.91	up	271
A_23_P111701	GNG11	Homo sapiens guanine nucleotide binding protein (G protein), gamma 11 (GNG11), mRNA [NM_004126]	179.71	up	272
A_23_P62920	KIFAP3	Homo sapiens kinesin-associated protein 3 (KIFAP3), transcript variant 1, mRNA [NM_014970]	2.86	up	273
A_23_P90933	DUSP19	Homo sapiens dual specificity phosphatase 19 (DUSP19), transcript variant 1, mRNA [NM_080876]	11.57	up	274
A_23_P116173	COLCA2	Homo sapiens colorectal cancer associated 2 (COLCA2), transcript variant 3, mRNA [NM_001136105]	57.08	up	275
A_23_P70785	AIM1	Homo sapiens absent in melanoma 1 (AIM1), mRNA [NM_001624]	4.24	up	276
A_24_P111996	HFE	Homo sapiens hemochromatosis (HFE), transcript variant 1, mRNA [NM_000410]	8.40	up	277
A_23_P37167	MYH6	Homo sapiens myosin, heavy chain 6, cardiac muscle, alpha (MYH6), mRNA [NM_002471]	4.24	up	278
A_33_P3238941	ANKRD18A	Homo sapiens ankyrin repeat domain 18A (ANKRD18A), mRNA [NM_147195]	11.98	up	279
A_33_P3312611	LYPLAL1-AS1	Homo sapiens LYPLAL1 antisense RNA 1 (head to head) (LYPLAL1-AS1), long non-coding RNA [NR_038845]	8.26	up	280
A_21_P0004944	lnc-PEX7-2	LNCipedia lincRNA (lnc-PEX7-2), lincRNA [lnc-PEX7-2:1]	2.46	up	281
A_21_P0008436	LOC100506446	PREDICTED: Homo sapiens uncharacterized LOC100506446 (RP11-58E21.4), ncRNA [XR_110289]	3.63	up	282
A_33_P3410011	PBXIP1	Homo sapiens pre-B-cell leukemia homeobox interacting protein 1 (PBXIP1), mRNA [NM_020524]	3.45	up	283
A_23_P74359	CSRP1	Homo sapiens cysteine and glycine-rich protein 1 (CSRP1), transcript variant 1, mRNA [NM_004078]	3.95	up	284
A_24_P330773	CALCOCO2	Homo sapiens calcium binding and coiled-coil domain 2 (CALCOCO2), transcript variant 3, mRNA [NM_005831]	2.42	up	285
A_21_P0005965			17.20	up	286
A_21_P0010531		long intergenic non-protein coding RNA 1358 [Source:HGNC Symbol;Acc:HGNC:50589] [ENST00000438195]	17.39	up	287
A_23_P53152	AKIP1	Homo sapiens A kinase (PRKA) interacting protein 1 (AKIP1), transcript variant 1, mRNA [NM_020642]	2.76	up	288
A_19_P00803039	LOC100130476	Homo sapiens uncharacterized LOC100130476 (LOC100130476), long non-coding RNA [NR_049793]	6.54	up	289
A_33_P3236177	ANG	Homo sapiens angiogenin, ribonuclease, RNase A family, 5 (ANG), transcript variant 1, mRNA [NM_001145]	4.39	up	290
A_33_P3417990	VRK2	Homo sapiens vaccinia related kinase 2 (VRK2), transcript variant 8, mRNA [NM_001288837]	2.85	up	291
A_32_P159400	UBR5	Homo sapiens ubiquitin protein ligase E3 component n-recognin 5 (UBR5), transcript variant 1, mRNA [NM_015902]	2.57	up	292
A_23_P20225	RRM2B	Homo sapiens ribonucleotide reductase M2 B (TP53 inducible) (RRM2B), transcript variant 1, mRNA [NM_015713]	2.86	up	293
A_23_P29953	IL15	Homo sapiens interleukin 15 (IL15), transcript variant 2, mRNA [NM_172175]	146.88	up	294
A_23_P73801	TCEAL1	Homo sapiens transcription elongation factor A (SII)-like 1 (TCEAL1), transcript variant 3, mRNA [NM_001006640]	13.31	up	295
A_23_P319792	XRN1	Homo sapiens 5'-3' exoribonuclease 1 (XRN1), transcript variant 1, mRNA [NM_019001]	3.75	up	296
A_24_P40551	BEX4	Homo sapiens brain expressed, X-linked 4 (BEX4), transcript variant 2, mRNA [NM_001080425]	64.79	up	297
A_24_P282343	CDKL5	Homo sapiens cyclin-dependent kinase-like 5 (CDKL5), transcript variant I, mRNA [NM_003159]	13.29	up	298
A_33_P3369964	ATXN1L	ataxin 1-like [Source:HGNC Symbol;Acc:HGNC:33279] [ENST00000569119]	3.48	up	299
A_21_P0004083	lnc-AC136604.1-1	LNCipedia lincRNA (lnc-AC136604.1-1), lincRNA [lnc-AC136604.1-1:3]	13.75	up	300
A_23_P392126	LYRM9	Homo sapiens LYR motif containing 9 (LYRM9), mRNA [NM_001076680]	13.97	up	301
A_23_P21548	ARHGAP10	Homo sapiens Rho GTPase activating protein 10 (ARHGAP10), mRNA [NM_024605]	94.75	up	302
A_33_P3384432	TFDP2	Homo sapiens transcription factor Dp-2 (E2F dimerization partner 2) (TFDP2), transcript variant 1, mRNA [NM_001178138]	3.56	up	303
A_21_P0007530	lnc-PLEKHA5-1	LNCipedia lincRNA (lnc-PLEKHA5-1), lincRNA [lnc-PLEKHA5-1:1]	3.97	up	304
A_21_P0014479	lnc-DNASE1L3-1	Homo sapiens cDNA clone IMAGE:5272221. [BC041347]	2.56	up	305
A_23_P337917	PPFIBP1	Homo sapiens PTPRF interacting protein, binding protein 1 (liprin beta 1) (PPFIBP1), transcript variant 2, mRNA [NM_177444]	12.38	up	306

A_32_P218025	LOC100506253	PREDICTED: Homo sapiens uncharacterized LOC100506253 (LOC100506253), ncRNA [XR_109812]	33.91	up	307
A_33_P3386995	TXNDC11	thioredoxin domain containing 11 [Source:HGNC Symbol;Acc:HGNC:28030] [ENST00000283033]	3.56	up	308
A_23_P41765	IRF1	Homo sapiens interferon regulatory factor 1 (IRF1), mRNA [NM_002198]	2.85	up	309
A_24_P811704	PPFIBP1	Homo sapiens PTPRF interacting protein, binding protein 1 (liprin beta 1) (PPFIBP1), transcript variant 1, mRNA [NM_003622]	31.03	up	310
A_23_P9293	TJP2	Homo sapiens tight junction protein 2 (TJP2), transcript variant 1, mRNA [NM_004817]	15.00	up	311
A_33_P3279545	HIPK3	Homo sapiens homeodomain interacting protein kinase 3 (HIPK3), transcript variant 1, mRNA [NM_005734]	2.31	up	312
A_23_P200551	USP48	Homo sapiens ubiquitin specific peptidase 48 (USP48), transcript variant 1, mRNA [NM_032236]	2.08	up	313
A_33_P3242453	HCG22	Homo sapiens HLA complex group 22 (HCG22), long non-coding RNA [NR_003948]	247.48	up	314
A_33_P3638471	TRGV7	Homo sapiens T cell receptor gamma variable 7 pseudogene, mRNA (cDNA clone IMAGE:5210958). [BC027954]	21.20	up	315
A_19_P00319525	TSTD3	Homo sapiens thiosulfate sulfurtransferase (rhodanese)-like domain containing 3 (TSTD3), mRNA [NM_001195131]	5.75	up	316
A_32_P186138	TSTD3	Homo sapiens thiosulfate sulfurtransferase (rhodanese)-like domain containing 3 (TSTD3), mRNA [NM_001195131]	6.28	up	317
A_19_P00319882	TSTD3	Homo sapiens thiosulfate sulfurtransferase (rhodanese)-like domain containing 3 (TSTD3), mRNA [NM_001195131]	7.01	up	318
A_33_P3356910	TCEAL6	Homo sapiens transcription elongation factor A (SII)-like 6 (TCEAL6), mRNA [NM_001006938]	226.67	up	319
A_32_P192545	TCEAL6	Homo sapiens transcription elongation factor A (SII)-like 6 (TCEAL6), mRNA [NM_001006938]	186.21	up	320
A_32_P18470	TCEAL5	Homo sapiens transcription elongation factor A (SII)-like 5 (TCEAL5), mRNA [NM_001012979]	170.96	up	321
A_33_P3243093	RGS5	Homo sapiens regulator of G-protein signaling 5 (RGS5), transcript variant 1, mRNA [NM_003617]	5.10	up	322
A_33_P3307980	Inc-FAM133B-1	Homo sapiens cDNA FLJ16364 fis, clone THYMU2032976. [AK131345]	28.23	up	323
A_33_P3243153	GFPT1	Homo sapiens glutamine-fructose-6-phosphate transaminase 1 (GFPT1), transcript variant 1, mRNA [NM_001244710]	4.61	up	324
A_23_P321034	INADL	Homo sapiens InaD-like (Drosophila) (INADL), mRNA [NM_176877]	17.10	up	325
A_23_P97141	RGS1	Homo sapiens regulator of G-protein signaling 1 (RGS1), mRNA [NM_002922]	176.76	up	326
A_33_P3264895	RHEBL1	Homo sapiens Ras homolog enriched in brain like 1 (RHEBL1), transcript variant 2, mRNA [NM_001303126]	4.77	up	327
A_23_P202004	PRTFDC1	Homo sapiens phosphoribosyl transferase domain containing 1 (PRTFDC1), transcript variant 1, mRNA [NM_020200]	84.01	up	328
A_23_P69452	DBR1	Homo sapiens debranching RNA lariats 1 (DBR1), mRNA [NM_016216]	2.41	up	329
A_33_P3239860	ANKDD1A	ankyrin repeat and death domain containing 1A [Source:HGNC Symbol;Acc:HGNC:28002] [ENST00000395720]	6.84	up	330
A_33_P3580037	LINC01056	Homo sapiens long intergenic non-protein coding RNA 1056 (LINC01056), long non-coding RNA [NR_033369]	8.82	up	331
A_24_P166663	CDK6	Homo sapiens cyclin-dependent kinase 6 (CDK6), transcript variant 1, mRNA [NM_001259]	1031.51	up	332
A_23_P104318	DDIT4	Homo sapiens DNA-damage-inducible transcript 4 (DDIT4), mRNA [NM_019058]	13.16	up	333
A_23_P155052	APOL6	Homo sapiens apolipoprotein L, 6 (APOL6), mRNA [NM_030641]	12.06	up	334
A_23_P66891	CDC42EP4	Homo sapiens CDC42 effector protein (Rho GTPase binding) 4 (CDC42EP4), mRNA [NM_012121]	65.67	up	335
A_33_P3423585	UNC13C	Homo sapiens unc-13 homolog C (C. elegans) (UNC13C), mRNA [NM_001080534]	1752.36	up	336
A_33_P3344399	LRRC49	Homo sapiens leucine rich repeat containing 49 (LRRC49), transcript variant 3, mRNA [NM_001199018]	110.53	up	337
A_23_P340158	ISCU	Homo sapiens iron-sulfur cluster assembly enzyme (ISCU), transcript variant 1, mRNA [NM_014301]	2.51	up	338
A_19_P00325768			2.53	up	339
A_19_P00805272	KIAA1671	Homo sapiens KIAA1671 (KIAA1671), mRNA [NM_001145206]	43.65	up	340
A_23_P69109	PLSCR1	Homo sapiens phospholipid scramblase 1 (PLSCR1), mRNA [NM_021105]	113.73	up	341
A_23_P80068	BTG3	Homo sapiens BTG family, member 3 (BTG3), transcript variant 2, mRNA [NM_006806]	2.61	up	342
A_21_P0010418	LOC101927344	PREDICTED: Homo sapiens uncharacterized LOC101927344 (LOC101927344), ncRNA [XR_244438]	193.36	up	343
A_32_P193583	FAM218A	Homo sapiens family with sequence similarity 218, member A (FAM218A), mRNA [NM_153027]	13.00	up	344
A_24_P807031	ATP6AP1L	Homo sapiens ATPase, H+ transporting, lysosomal accessory protein 1-like (ATP6AP1L), mRNA [NM_001017971]	7.90	up	345
A_24_P231302	PGLYRP4	Homo sapiens peptidoglycan recognition protein 4 (PGLYRP4), mRNA [NM_020393]	4.80	up	346
A_33_P3315779	HERC6	Homo sapiens HECT and RLD domain containing E3 ubiquitin protein ligase family member 6 (HERC6), transcript variant 2, mRNA [NM_001165136]	17.27	up	347
A_24_P223124	FNDC3B	Homo sapiens fibronectin type III domain containing 3B (FNDC3B), transcript variant 1, mRNA [NM_022763]	6.84	up	348
A_23_P18325	PDCD10	Homo sapiens programmed cell death 10 (PDCD10), transcript variant 1, mRNA [NM_007217]	2.32	up	349
A_23_P153562	C5AR1	Homo sapiens complement component 5a receptor 1 (C5AR1), mRNA [NM_001736]	5.58	up	350
A_33_P3226610	PSIP1	Homo sapiens PC4 and SFRS1 interacting protein 1 (PSIP1), transcript variant 1, mRNA [NM_021144]	3.34	up	351
A_23_P412577	ANKRD29	Homo sapiens ankyrin repeat domain 29 (ANKRD29), mRNA [NM_173505]	16.38	up	352
A_23_P159382	SEC24D	Homo sapiens SEC24 family member D (SEC24D), mRNA [NM_014822]	3.84	up	353
A_23_P41470	DDX60	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 60 (DDX60), mRNA [NM_017631]	77.25	up	354
A_21_P0006388	SMC2-AS1	Homo sapiens SMC2 antisense RNA 1 (head to head) (SMC2-AS1), long non-coding RNA [NR_121580]	2.80	up	355
A_21_P0009488	Inc-MALT1-1	LNCipedia lincRNA (Inc-MALT1-1), lincRNA [linc-MALT1-1:1]	8.74	up	356
A_23_P420196	SOCS1	Homo sapiens suppressor of cytokine signaling 1 (SOCS1), mRNA [NM_003745]	15.85	up	357
A_24_P101201	PDIA3	Homo sapiens protein disulfide isomerase family A, member 3 (PDIA3), mRNA [NM_005313]	2.61	up	358
A_21_P0008492	Inc-RTL1-8	LNCipedia lincRNA (Inc-RTL1-8), lincRNA [linc-RTL1-8:1]	6.09	up	359
A_33_P3278649	ENTPD2	Homo sapiens ectonucleoside triphosphate diphosphohydrolase 2 (ENTPD2), transcript variant 1, mRNA [NM_203468]	6.00	up	360
A_23_P68155	IFIH1	Homo sapiens interferon induced with helicase C domain 1 (IFIH1), mRNA [NM_022168]	7.45	up	361
A_23_P389118	ANO6	Homo sapiens anoctamin 6 (ANO6), transcript variant 1, mRNA [NM_001025356]	3.53	up	362
A_32_P379467	ISLR2	Homo sapiens immunoglobulin superfamily containing leucine-rich repeat 2 (ISLR2), transcript variant 2, mRNA [NM_020851]	2.34	up	363
A_33_P3293668	DENND4C	PREDICTED: Homo sapiens DENN/MADD domain containing 4C (DENND4C), transcript variant X1, mRNA [XM_006716804]	3.57	up	364
A_23_P259611	NME8	Homo sapiens NME/NM23 family member 8 (NME8), mRNA [NM_016616]	2.11	up	365
A_21_P0002617	Inc-SLC4A10-4	LNCipedia lincRNA (Inc-SLC4A10-4), lincRNA [linc-SLC4A10-4:1]	3.98	up	366
A_33_P3419108	PRY2	Homo sapiens PTPN13-like, Y-linked 2 (PRY2), mRNA [NM_001002758]	2.37	up	367
A_23_P317465	RAB8B	Homo sapiens RAB8B, member RAS oncogene family (RAB8B), mRNA [NM_016530]	5.96	up	368

A_23_P255076	RWDD2A	Homo sapiens RWD domain containing 2A (RWDD2A), mRNA [NM_033411]	2.80	up	369
A_33_P3214849	KDELC2	Homo sapiens KDEL (Lys-Asp-Glu-Leu) containing 2 (KDELC2), mRNA [NM_153705]	12.14	up	370
A_23_P24004	IFIT2	Homo sapiens interferon-induced protein with tetratricopeptide repeats 2 (IFIT2), mRNA [NM_001547]	27.19	up	371
A_24_P304071	IFIT2	Homo sapiens interferon-induced protein with tetratricopeptide repeats 2 (IFIT2), mRNA [NM_001547]	22.63	up	372
A_33_P3354564	GPD2	Homo sapiens glycerol-3-phosphate dehydrogenase 2 (mitochondrial) (GPD2), transcript variant 1, mRNA [NM_001083112]	3.30	up	373
A_33_P3377130	MAP3K5	Homo sapiens mitogen-activated protein kinase kinase kinase 5 (MAP3K5), mRNA [NM_005923]	6.31	up	374
A_32_P135348	TANC1	Homo sapiens tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1 (TANC1), transcript variant 1, mRNA [NM_033394]	44.83	up	375
A_21_P0000173	C5orf56	Homo sapiens chromosome 5 open reading frame 56 (C5orf56), long non-coding RNA [NR_045116]	8.85	up	376
A_24_P319942	SSR3	Homo sapiens signal sequence receptor, gamma (translocon-associated protein gamma) (SSR3), mRNA [NM_007107]	3.66	up	377
A_21_P0014556	Inc-ABHD12B-5	EST388779 MAGE resequences, MAGO Homo sapiens cDNA, mRNA sequence [AW976670]	20.50	up	378
A_23_P76529	ITGB7	Homo sapiens integrin, beta 7 (ITGB7), transcript variant 1, mRNA [NM_000889]	7.50	up	379
A_21_P0014670		Q2DHZ2_9DELTA (Q2DHZ2) ATPas, partial (6%) [THC2656106]	5.70	up	380
A_23_P399156	IL12RB1	Homo sapiens interleukin 12 receptor, beta 1 (IL12RB1), transcript variant 2, mRNA [NM_153701]	2.84	up	381
A_21_P0003029	Inc-KBTBD12-1	LNCipedia lincRNA (Inc-KBTBD12-1), lincRNA [Inc-KBTBD12-1:1]	3.75	up	382
A_24_P98277	GOLGA7	Homo sapiens golgin A7 (GOLGA7), transcript variant 2, mRNA [NM_001002296]	2.21	up	383
A_23_P76969	SIPA1L1	Homo sapiens signal-induced proliferation-associated 1 like 1 (SIPA1L1), transcript variant 1, mRNA [NM_015556]	4.57	up	384
A_33_P3358295	ABTB1	Homo sapiens ankyrin repeat and BTB (POZ) domain containing 1 (ABTB1), transcript variant 1, mRNA [NM_032548]	2.98	up	385
A_23_P118633	SPATA20	Homo sapiens spermatogenesis associated 20 (SPATA20), transcript variant 1, mRNA [NM_022827]	12.70	up	386
A_23_P21673	FOCAD	Homo sapiens focadhesin (FOCAD), mRNA [NM_017794]	7.88	up	387
A_23_P43238	NAPRT	Homo sapiens nicotinate phosphoribosyltransferase (NAPRT), transcript variant 1, mRNA [NM_145201]	7.97	up	388
A_33_P3392537	TK2	Homo sapiens thymidine kinase 2, mitochondrial (TK2), transcript variant 1, mRNA [NM_004614]	11.99	up	389
A_19_P00316166	LOC101928858	PREDICTED: Homo sapiens uncharacterized LOC101928858 (RP11-434D9.1), transcript variant X2, ncRNA [XR_425858]	2.50	up	390
A_23_P130731	TBC1D17	Homo sapiens TBC1 domain family, member 17 (TBC1D17), transcript variant 1, mRNA [NM_024682]	2.64	up	391
A_33_P3420068	GOLGA7	Homo sapiens golgin A7 (GOLGA7), transcript variant 2, mRNA [NM_001002296]	2.34	up	392
A_33_P3264875	GRK6	Homo sapiens G protein-coupled receptor kinase 6 (GRK6), transcript variant 3, mRNA [NM_001004105]	3.12	up	393
A_21_P0011684	XLOC_I2_006665	BROAD Institute lincRNA (XLOC_I2_006665), lincRNA [TCONS_I2_00012419]	2.43	up	394
A_24_P261929	IFI27L1	Homo sapiens interferon, alpha-inducible protein 27-like 1 (IFI27L1), transcript variant 2, mRNA [NM_206949]	2.25	up	395
A_33_P3264926	SAMD4A	Homo sapiens sterile alpha motif domain containing 4A (SAMD4A), transcript variant 1, mRNA [NM_015589]	4.39	up	396
A_23_P19369	LRRC16A	Homo sapiens leucine rich repeat containing 16A (LRRC16A), transcript variant 1, mRNA [NM_017640]	24.86	up	397
A_33_P3350748	KRT7	Homo sapiens keratin 7, type II (KRT7), mRNA [NM_005556]	2.32	up	398
A_23_P337155	TOM1L2	Homo sapiens target of myb1-like 2 (chicken) (TOM1L2), transcript variant 3, mRNA [NM_001082968]	2.82	up	399
A_23_P5002	MAP4K1	Homo sapiens mitogen-activated protein kinase kinase kinase kinase 1 (MAP4K1), transcript variant 1, mRNA [NM_001042600]	2.45	up	400
A_21_P0008508	Inc-BRMS1L-3	LNCipedia lincRNA (Inc-BRMS1L-3), lincRNA [Inc-BRMS1L-3:3]	3.94	up	401
A_24_P263910	LINC01588	Homo sapiens long intergenic non-protein coding RNA 1588 (LINC01588), transcript variant 5, long non-coding RNA [NR_126500]	9.40	up	402
A_23_P214907	MTHFD1L	Homo sapiens methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like (MTHFD1L), transcript variant 2, mRNA [NM_015440]	2.93	up	403
A_21_P0011001	PCSK7	Homo sapiens proprotein convertase subtilisin/kexin type 7 (PCSK7), mRNA [NM_004716]	2.60	up	404
A_19_P00322611	Inc-SPAG1-3	LNCipedia lincRNA (Inc-SPAG1-3), lincRNA [Inc-SPAG1-3:3]	244.04	up	405
A_33_P3325914	TAPBP	Homo sapiens TAP binding protein (tapasin) (TAPBP), transcript variant 2, mRNA [NM_172208]	3.88	up	406
A_21_P0001931	LOC100996579	Homo sapiens uncharacterized LOC100996579 (LOC100996579), transcript variant 1, long non-coding RNA [NR_110163]	4.54	up	407
A_23_P132316	APOBEC3D	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3D (APOBEC3D), mRNA [NM_152426]	5.21	up	408
A_23_P140907	TMEM8A	Homo sapiens transmembrane protein 8A (TMEM8A), mRNA [NM_021259]	3.89	up	409
A_23_P202219	CALHM2	Homo sapiens calcium homeostasis modulator 2 (CALHM2), transcript variant 1, mRNA [NM_015916]	24.19	up	410
A_23_P156788	STX11	Homo sapiens syntaxin 11 (STX11), mRNA [NM_003764]	8.93	up	411
A_32_P109922	ZFAT	Homo sapiens zinc finger and AT hook domain containing (ZFAT), transcript variant 1, mRNA [NM_020863]	9.98	up	412
A_32_P66974	PCSK7	Homo sapiens proprotein convertase subtilisin/kexin type 7 (PCSK7), mRNA [NM_004716]	2.38	up	413
A_32_P176911	LINC00239	Homo sapiens long intergenic non-protein coding RNA 239 (LINC00239), long non-coding RNA [NR_026774]	13.60	up	414
A_24_P262127	RRAD	Homo sapiens Ras-related associated with diabetes (RRAD), transcript variant 2, mRNA [NM_004165]	46.72	up	415
A_23_P164773	FCER2	Homo sapiens Fc fragment of IgE, low affinity II, receptor for (CD23) (FCER2), transcript variant 1, mRNA [NM_002002]	72.00	up	416
A_23_P423427	FAM171B	Homo sapiens family with sequence similarity 171, member B (FAM171B), mRNA [NM_177454]	42.23	up	417
A_23_P136347	EPS8	Homo sapiens epidermal growth factor receptor pathway substrate 8 (EPS8), mRNA [NM_004447]	1133.12	up	418
A_21_P0010364		DA926453 SMINT2 Homo sapiens cDNA clone SMINT2013437 5', mRNA sequence [DA926453]	69.50	up	419
A_32_P14610	PDLIM5	Homo sapiens PDZ and LIM domain 5 (PDLIM5), transcript variant 1, mRNA [NM_006457]	5.05	up	420
A_23_P152995	SLC6A4	Homo sapiens solute carrier family 6 (neurotransmitter transporter), member 4 (SLC6A4), mRNA [NM_001045]	28.47	up	421
A_33_P3227472	SDSL	Homo sapiens serine dehydratase-like (SDSL), mRNA [NM_138432]	77.11	up	422
A_23_P216920	NEK6	Homo sapiens NIMA-related kinase 6 (NEK6), transcript variant 2, mRNA [NM_014397]	6.28	up	423
A_21_P0008458	LOC102724015	PREDICTED: Homo sapiens uncharacterized LOC102724015 (LOC102724015), ncRNA [XR_424539]	5.29	up	424
A_23_P121250	EIF4A2	Homo sapiens eukaryotic translation initiation factor 4A2 (EIF4A2), mRNA [NM_001967]	2.08	up	425
A_23_P216468	SLC1A1	Homo sapiens solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 (SLC1A1), mRNA [NM_004170]	286.84	up	426
A_21_P0008162	Inc-RCBTB2-1	PREDICTED: Homo sapiens uncharacterized LOC100996416 (LOC100996416), misc_RNA [XR_159010]	11.52	up	427
A_24_P305938	RAB9BP1	Homo sapiens RAB9B, member RAS oncogene family pseudogene 1 (RAB9BP1), non-coding RNA [NR_000039]	5.05	up	428

A_23_P45389	RAB9A	Homo sapiens RAB9A, member RAS oncogene family (RAB9A), transcript variant 1, mRNA [NM_004251]	4.80	up	429
A_23_P62647	SLAMF1	Homo sapiens signaling lymphocytic activation molecule family member 1 (SLAMF1), transcript variant 1, mRNA [NM_003037]	245.32	up	430
A_32_P34444	FHOD3	Homo sapiens formin homology 2 domain containing 3 (FHOD3), transcript variant 1, mRNA [NM_025135]	1318.20	up	431
A_21_P0014946			44.65	up	432
A_21_P0011045	XLOC_I2_002952	BROAD Institute lincRNA (XLOC_I2_002952), lincRNA [TCONS_I2_00005598]	558.97	up	433
A_33_P3352827	SLAMF1	Homo sapiens signaling lymphocytic activation molecule family member 1 (SLAMF1), transcript variant 1, mRNA [NM_003037]	1200.65	up	434
A_23_P16523	GDF15	Homo sapiens growth differentiation factor 15 (GDF15), mRNA [NM_004864]	59.93	up	435
A_33_P3371381	ANKDD1B	Homo sapiens ankyrin repeat and death domain containing 1B (ANKDD1B), mRNA [NM_001276713]	4.79	up	436
A_23_P253301	PFN2	Homo sapiens profilin 2 (PFN2), transcript variant 1, mRNA [NM_053024]	19.92	up	437
A_23_P219197	RGS3	Homo sapiens regulator of G-protein signaling 3 (RGS3), transcript variant 4, mRNA [NM_134427]	4.86	up	438
A_23_P38346	DHX58	Homo sapiens DEXH (Asp-Glu-X-His) box polypeptide 58 (DHX58), mRNA [NM_024119]	16.36	up	439
A_23_P126499	RSG1	Homo sapiens REM2 and RAB-like small GTPase 1 (RSG1), mRNA [NM_030907]	2.78	up	440
A_33_P3297978	MYO1E	Homo sapiens myosin IE (MYO1E), mRNA [NM_004998]	7.81	up	441
A_24_P203000	IL2RB	Homo sapiens interleukin 2 receptor, beta (IL2RB), mRNA [NM_000878]	289.16	up	442
A_23_P113283	ZMAT3	Homo sapiens zinc finger, matrin-type 3 (ZMAT3), transcript variant 1, mRNA [NM_022470]	6.85	up	443
A_33_P3358923	BTLA	Homo sapiens B and T lymphocyte associated (BTLA), transcript variant 1, mRNA [NM_181780]	86.53	up	444
A_33_P3244784	MUC19	Homo sapiens mucin 19, oligomeric (MUC19), mRNA [NM_173600]	137.67	up	445
A_23_P29769	WWTR1	Homo sapiens WW domain containing transcription regulator 1 (WWTR1), transcript variant 1, mRNA [NM_015472]	31.73	up	446
A_23_P62115	TIMP1	Homo sapiens TIMP metalloproteinase inhibitor 1 (TIMP1), mRNA [NM_003254]	160.24	up	447
A_33_P3270311	HECW2	Homo sapiens HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2 (HECW2), mRNA [NM_020760]	48.34	up	448
A_33_P3369190	PAM	Homo sapiens peptidylglycine alpha-amidating monooxygenase (PAM), transcript variant 5, mRNA [NM_001177306]	4.04	up	449
A_23_P121253	TNFSF10	Homo sapiens tumor necrosis factor (ligand) superfamily, member 10 (TNFSF10), transcript variant 1, mRNA [NM_003810]	6.46	up	450
A_23_P152782	IFI35	Homo sapiens interferon-induced protein 35 (IFI35), mRNA [NM_005533]	6.67	up	451
A_33_P3226810	TNFSF10	Homo sapiens tumor necrosis factor (ligand) superfamily, member 10 (TNFSF10), transcript variant 1, mRNA [NM_003810]	9.34	up	452
A_33_P3389230	CXCR3	Homo sapiens chemokine (C-X-C motif) receptor 3 (CXCR3), transcript variant 2, mRNA [NM_001142797]	2.32	up	453
A_33_P3262969	COL4A6	collagen, type IV, alpha 6 [Source:HGNC Symbol;Acc:HGNC:2208] [ENST00000461897]	3.19	up	454
A_21_P0000996	LOC100505940		5.99	up	455
A_33_P3306110	CALCRL	Homo sapiens calcitonin receptor-like (CALCRL), transcript variant 1, mRNA [NM_005795]	8.35	up	456
A_33_P3298960	KDEL2	Homo sapiens KDEL (Lys-Asp-Glu-Leu) containing 2 (KDEL2), mRNA [NM_153705]	13.35	up	457
A_33_P3257150	CDC42	Homo sapiens cell division cycle 42 (CDC42), transcript variant 3, mRNA [NM_001039802]	2.02	up	458
A_23_P42746	NCF1	Homo sapiens neutrophil cytosolic factor 1 (NCF1), mRNA [NM_000265]	8.96	up	459
A_33_P3224800	NCF1B	neutrophil cytosolic factor 1B pseudogene [Source:HGNC Symbol;Acc:HGNC:32522] [ENST00000435988]	8.64	up	460
A_23_P19226	DSE	Homo sapiens dermatan sulfate epimerase (DSE), transcript variant 1, mRNA [NM_013352]	9.30	up	461
A_23_P100795	STAT3	Homo sapiens signal transducer and activator of transcription 3 (acute-phase response factor) (STAT3), transcript variant 3, mRNA [NM_213662]	3.93	up	462
A_24_P366509	PIK3R6	Homo sapiens phosphoinositide-3-kinase, regulatory subunit 6 (PIK3R6), transcript variant 1, mRNA [NM_001010855]	15.06	up	463
A_33_P3369393	NCF1	Homo sapiens neutrophil cytosolic factor 1 (NCF1), mRNA [NM_000265]	7.72	up	464
A_33_P3211432	NCF1	Homo sapiens neutrophil cytosolic factor 1 (NCF1), mRNA [NM_000265]	8.98	up	465
A_23_P150018	DUSP5	Homo sapiens dual specificity phosphatase 5 (DUSP5), mRNA [NM_004419]	7.43	up	466
A_33_P3405424	IL4I1	Homo sapiens interleukin 4 induced 1 (IL4I1), transcript variant 1, mRNA [NM_152899]	53.57	up	467
A_33_P3224803	NCF1	Homo sapiens neutrophil cytosolic factor 1 (NCF1), mRNA [NM_000265]	8.00	up	468
A_23_P30435	TNIP1	Homo sapiens TNFAIP3 interacting protein 1 (TNIP1), transcript variant 5, mRNA [NM_006058]	3.19	up	469
A_33_P3395513	NRG2	Homo sapiens cDNA FLJ42513 fis, clone BRACE2046295, highly similar to Pro-neuregulin-2, membrane-bound isoform precursor. [AK124504]	2.77	up	470
A_23_P500956	B3GNT2	Homo sapiens UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 (B3GNT2), mRNA [NM_006577]	5.44	up	471
A_24_P294408	PLA1A	Homo sapiens phospholipase A1 member A (PLA1A), transcript variant 1, mRNA [NM_015900]	222.41	up	472
A_23_P141394	WIPI1	Homo sapiens WD repeat domain, phosphoinositide interacting 1 (WIPI1), mRNA [NM_017983]	8.70	up	473
A_24_P116805	STAT3	Homo sapiens signal transducer and activator of transcription 3 (acute-phase response factor) (STAT3), transcript variant 3, mRNA [NM_213662]	4.63	up	474
A_23_P75741	UBE2L6	Homo sapiens ubiquitin-conjugating enzyme E2L 6 (UBE2L6), transcript variant 2, mRNA [NM_198183]	3.11	up	475
A_23_P139260	SLC22A18	Homo sapiens solute carrier family 22, member 18 (SLC22A18), transcript variant 2, mRNA [NM_183233]	4.15	up	476
A_24_P319364	F11R	Homo sapiens F11 receptor (F11R), mRNA [NM_016946]	3.71	up	477
A_33_P3297444	ABTB1	Homo sapiens ankyrin repeat and BTB (POZ) domain containing 1 (ABTB1), transcript variant 1, mRNA [NM_032548]	4.53	up	478
A_23_P213678	PAM	Homo sapiens peptidylglycine alpha-amidating monooxygenase (PAM), transcript variant 1, mRNA [NM_000919]	27.55	up	479
A_33_P3270485	CBX6	chromobox homolog 6 [Source:HGNC Symbol;Acc:HGNC:1556] [ENST00000407418]	4.08	up	480
A_24_P409661			5.28	up	481
A_23_P79069	RASAL3	Homo sapiens RAS protein activator like 3 (RASAL3), mRNA [NM_022904]	3.95	up	482
A_23_P213840	ATP6V0E1	Homo sapiens ATPase, H+ transporting, lysosomal 9kDa, V0 subunit e1 (ATP6V0E1), mRNA [NM_003945]	3.14	up	483
A_23_P83438	UBE2Z	Homo sapiens ubiquitin-conjugating enzyme E2Z (UBE2Z), mRNA [NM_023079]	2.68	up	484
A_23_P126908	TNFRSF14	Homo sapiens tumor necrosis factor receptor superfamily, member 14 (TNFRSF14), transcript variant 1, mRNA [NM_003820]	7.31	up	485
A_21_P0014806	LOC100507131	PREDICTED: Homo sapiens uncharacterized LOC100507131 (LOC100507131), misc_RNA [XR_132626]	2.39	up	486
A_21_P0012367	FGD5	Homo sapiens FYVE, RhoGEF and PH domain containing 5 (FGD5), mRNA [NM_152536]	2.77	up	487
A_23_P16976	ANXA4	Homo sapiens annexin A4 (ANXA4), mRNA [NM_001153]	25.89	up	488
A_33_P3351536	PTK2B	Homo sapiens protein tyrosine kinase 2 beta (PTK2B), transcript variant 1, mRNA [NM_173174]	5.62	up	489
A_21_P0003297	Inc-SLC12A8-1	Q4RES2_TETNG (Q4RES2) Chromosome 13 SCAF15122, whole genome shotgun sequence, partial (10%) [THC2639066]	3.82	up	490
A_24_P353638	SLAMF7	Homo sapiens SLAM family member 7 (SLAMF7), transcript variant 1, mRNA [NM_021181]	142.50	up	491



A_33_P3294608	MVP	Homo sapiens major vault protein (MVP), transcript variant 1, mRNA [NM_017458]	16.03	up	492
A_33_P3417695	ODF3B	Homo sapiens outer dense fiber of sperm tails 3B (ODF3B), mRNA [NM_001014440]	25.52	up	493
A_23_P6535	KLHDC7B	Homo sapiens kelch domain containing 7B (KLHDC7B), mRNA [NM_138433]	6.74	up	494
A_24_P373174	RAB27A	Homo sapiens RAB27A, member RAS oncogene family (RAB27A), transcript variant 1, mRNA [NM_004580]	8.71	up	495
A_23_P126103	CTH	Homo sapiens cystathionine gamma-lyase (CTH), transcript variant 1, mRNA [NM_001902]	18.11	up	496
A_32_P148275	SPIC	Homo sapiens Spi-C transcription factor (Spi-1/PU.1 related) (SPIC), mRNA [NM_152323]	15.46	up	497
A_23_P320739	MEF2C	Homo sapiens myocyte enhancer factor 2C (MEF2C), transcript variant 1, mRNA [NM_002397]	7.88	up	498
A_23_P141974	TPM4	Homo sapiens tropomyosin 4 (TPM4), transcript variant Tpm4.2, mRNA [NM_003290]	2.58	up	499
A_23_P135669	SLCO5A1	Homo sapiens solute carrier organic anion transporter family, member 5A1 (SLCO5A1), transcript variant 1, mRNA [NM_030958]	22.20	up	500
A_33_P3221748	RUNX3	Homo sapiens runt-related transcription factor 3 (RUNX3), transcript variant 1, mRNA [NM_001031680]	3.09	up	501
A_23_P254863	NIM1K	Homo sapiens NIM1 serine/threonine protein kinase (NIM1K), transcript variant 1, mRNA [NM_153361]	9.27	up	502
A_33_P3314446	NF1P2	Homo sapiens neurofibromin 1 pseudogene 2 (NF1P2), non-coding RNA [NR_028506]	2.67	up	503
A_23_P343411	AGRN	Homo sapiens agrin (AGRN), mRNA [NM_198576]	3.70	up	504
A_33_P3264790	GJD4	Homo sapiens gap junction protein, delta 4, 40.1kDa, mRNA (cDNA clone IMAGE:5240397), partial cds. [BC035898]	2.58	up	505
A_23_P367405	PCBD1	Homo sapiens pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (PCBD1), transcript variant 1, mRNA [NM_000281]	2.80	up	506
A_23_P123596	GLDC	Homo sapiens glycine decarboxylase (decarboxylating) (GLDC), mRNA [NM_000170]	79.94	up	507
A_24_P1919	NF1	Homo sapiens neurofibromin 1 (NF1), transcript variant 2, mRNA [NM_000267]	3.62	up	508
A_33_P3301025	CPOX	Homo sapiens coproporphyrinogen oxidase (CPOX), mRNA [NM_000097]	5.96	up	509
A_33_P3240115	SEPT8	Homo sapiens septin 8 (SEPT8), transcript variant 1, mRNA [NM_001098811]	6.53	up	510
A_23_P1072	ATP1A1	Homo sapiens ATPase, Na+/K+ transporting, alpha 1 polypeptide (ATP1A1), transcript variant 1, mRNA [NM_000701]	3.41	up	511
A_33_P3219279	JPH4	Homo sapiens junctophilin 4 (JPH4), transcript variant 1, mRNA [NM_032452]	115.04	up	512
A_23_P78018	ABCA5	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 5 (ABCA5), transcript variant 1, mRNA [NM_018672]	15.54	up	513
A_24_P100551	SH3RF1	Homo sapiens SH3 domain containing ring finger 1 (SH3RF1), mRNA [NM_020870]	174.62	up	514
A_23_P313389	UGCG	Homo sapiens UDP-glucose ceramide glucosyltransferase (UGCG), mRNA [NM_003358]	2.10	up	515
A_21_P0013790	XLOC_l2_015596	BROAD Institute lincRNA (XLOC_l2_015596), lincRNA [TCONS_l2_00030329]	5.08	up	516
A_32_P202759	FAM171B	Homo sapiens family with sequence similarity 171, member B (FAM171B), mRNA [NM_177454]	35.31	up	517
A_23_P105012	HRASLS2	Homo sapiens HRAS-like suppressor 2 (HRASLS2), mRNA [NM_017878]	18.23	up	518
A_23_P24384	CCDC88B	Homo sapiens coiled-coil domain containing 88B (CCDC88B), mRNA [NM_032251]	2.89	up	519
A_33_P3369716	LOC100507195	Homo sapiens uncharacterized LOC100507195 (LOC100507195), long non-coding RNA [NR_120458]	210.03	up	520
A_33_P3271273	HOXB2	Homo sapiens homeobox B2 (HOXB2), mRNA [NM_002145]	12.61	up	521
A_33_P3263518		cilia and flagella associated 54 [Source:HGNC Symbol;Acc:HGNC:26456] [ENST00000554108]	13.83	up	522
A_21_P0013676	ANKRD18B	Homo sapiens ankyrin repeat domain 18B (ANKRD18B), mRNA [NM_001244752]	9.69	up	523
A_32_P181297	ST7-AS1	Homo sapiens ST7 antisense RNA 1 (ST7-AS1), antisense RNA [NR_002330]	7.78	up	524
A_21_P0013859			2.21	up	525
A_23_P44617	COPG1	Homo sapiens coatomer protein complex, subunit gamma 1 (COPG1), mRNA [NM_016128]	3.46	up	526
A_21_P0010193	lnc-MRPL39-4	LNCipedia lincRNA (lnc-MRPL39-4), lincRNA [lnc-MRPL39-4:1]	85.08	up	527
A_23_P132644	NCEH1	Homo sapiens neutral cholesterol ester hydrolase 1 (NCEH1), transcript variant 2, mRNA [NM_020792]	3.55	up	528
A_24_P383523	SAMD4A	Homo sapiens sterile alpha motif domain containing 4A (SAMD4A), transcript variant 1, mRNA [NM_015589]	4.44	up	529
A_23_P101297	EML2	Homo sapiens echinoderm microtubule associated protein like 2 (EML2), transcript variant 2, mRNA [NM_012155]	3.68	up	530
A_23_P500614	TNFRSF8	Homo sapiens tumor necrosis factor receptor superfamily, member 8 (TNFRSF8), transcript variant 1, mRNA [NM_001243]	134.38	up	531
A_23_P315571	RFTN1	Homo sapiens raftlin, lipid raft linker 1 (RFTN1), mRNA [NM_015150]	14.84	up	532
A_21_P0005642	lnc-DLGAP2-4	LNCipedia lincRNA (lnc-DLGAP2-4), lincRNA [lnc-DLGAP2-4:1]	2.16	up	533
A_23_P64721	HCAR3	Homo sapiens hydroxycarboxylic acid receptor 3 (HCAR3), mRNA [NM_006018]	64.23	up	534
A_23_P133691	RRAGD	Homo sapiens Ras-related GTP binding D (RRAGD), mRNA [NM_021244]	10.84	up	535
A_21_P0005507	lnc-RFC2-1	LNCipedia lincRNA (lnc-RFC2-1), lincRNA [lnc-RFC2-1:1]	16.49	up	536
A_23_P145984	TSPAN12	Homo sapiens tetraspanin 12 (TSPAN12), mRNA [NM_012338]	185.61	up	537
A_33_P3257330	DCBLD1	Homo sapiens discoidin, CUB and LCCL domain containing 1 (DCBLD1), mRNA [NM_173674]	43.60	up	538
A_23_P45365	COL4A5	Homo sapiens collagen, type IV, alpha 5 (COL4A5), transcript variant 2, mRNA [NM_033380]	179.80	up	539
A_33_P3392921	CTTN	Homo sapiens cortactin (CTTN), transcript variant 3, mRNA [NM_001184740]	14.72	up	540
A_21_P0014109			19.42	up	541
A_23_P406424	RHOC	Homo sapiens ras homolog family member C (RHOC), transcript variant 1, mRNA [NM_175744]	4.84	up	542
A_21_P0006339	lnc-SMARCA2-2	LNCipedia lincRNA (lnc-SMARCA2-2), lincRNA [lnc-SMARCA2-2:1]	11.59	up	543
A_33_P3259393	HAPLN3	Homo sapiens hyaluronan and proteoglycan link protein 3 (HAPLN3), mRNA [NM_178232]	42.87	up	544
A_23_P126167	KCNN3	Homo sapiens potassium channel, calcium activated intermediate/small conductance subfamily N alpha, member 3 (KCNN3), transcript variant 1, mRNA [NM_002249]	9.42	up	545
A_33_P3351180		immunoglobulin heavy constant alpha 1 [Source:HGNC Symbol;Acc:HGNC:5478] [ENST00000390547]	2.16	up	546
A_23_P142750	EIF2AK2	Homo sapiens eukaryotic translation initiation factor 2-alpha kinase 2 (EIF2AK2), transcript variant 1, mRNA [NM_002759]	3.35	up	547
A_33_P3239849	GPX1	Homo sapiens glutathione peroxidase 1 (GPX1), transcript variant 2, mRNA [NM_201397]	2.06	up	548
A_23_P819	ISG15	Homo sapiens ISG15 ubiquitin-like modifier (ISG15), mRNA [NM_005101]	13.78	up	549
A_24_P274270	STAT1	Homo sapiens signal transducer and activator of transcription 1, 91kDa (STAT1), transcript variant beta, mRNA [NM_139266]	17.84	up	550
A_24_P901986	LOC102725300	PREDICTED: Homo sapiens uncharacterized LOC102725300 (LOC102725300), ncRNA [XR_424687]	20.01	up	551
A_24_P233786	FAM129A	Homo sapiens family with sequence similarity 129, member A (FAM129A), mRNA [NM_052966]	9.72	up	552
A_23_P77073	SPPL2A	Homo sapiens signal peptide peptidase like 2A (SPPL2A), mRNA [NM_032802]	2.17	up	553
A_24_P182929	KCNAB1	Homo sapiens potassium channel, voltage gated subfamily A regulatory beta subunit 1 (KCNAB1), transcript variant 2, mRNA [NM_003471]	2.22	up	554
A_21_P0008610	lnc-C15orf41-2	LNCipedia lincRNA (lnc-C15orf41-2), lincRNA [lnc-C15orf41-2:1]	6.84	up	555
A_21_P0009531	lnc-MPPE1-1	LNCipedia lincRNA (lnc-MPPE1-1), lincRNA [lnc-MPPE1-1:1]	2.33	up	556
A_23_P138725	MARVELD1	Homo sapiens MARVEL domain containing 1 (MARVELD1), mRNA [NM_031484]	8.98	up	557

A_24_P322353	PSTPIP2	Homo sapiens proline-serine-threonine phosphatase interacting protein 2 (PSTPIP2), mRNA [NM_024430]	8.01	up	558
A_32_P213330	ARHGEF28	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 28 (ARHGEF28), transcript variant 2, mRNA [NM_001177693]	6.08	up	559
A_23_P163458	EHD4	Homo sapiens EH-domain containing 4 (EHD4), mRNA [NM_139265]	6.25	up	560
A_21_P0005135	LOC102723649	Homo sapiens uncharacterized LOC102723649 (LOC102723649), long non-coding RNA [NR_125867]	5.71	up	561
A_33_P3368471	NT5DC1	Homo sapiens 5'-nucleotidase domain containing 1 (NT5DC1), mRNA [NM_152729]	3.30	up	562
A_24_P759477	ITGB8	Homo sapiens integrin, beta 8 (ITGB8), mRNA [NM_002214]	117.28	up	563
A_23_P357546	PNKD	Homo sapiens paroxysmal nonkinesigenic dyskinesia (PNKD), transcript variant 1, mRNA [NM_015488]	5.14	up	564
A_21_P0014849			2.45	up	565
A_23_P109034	SDC4	Homo sapiens syndecan 4 (SDC4), mRNA [NM_002999]	5.92	up	566
A_33_P3322834	CSRNP3	Homo sapiens cysteine-serine-rich nuclear protein 3 (CSRNP3), transcript variant 1, mRNA [NM_001172173]	8.58	up	567
A_23_P503064	KL	Homo sapiens klotho (KL), mRNA [NM_004795]	34.13	up	568
A_23_P206661	NQO1	Homo sapiens NAD(P)H dehydrogenase, quinone 1 (NQO1), transcript variant 1, mRNA [NM_000903]	4.39	up	569
A_23_P103932	FGR	Homo sapiens FGR proto-oncogene, Src family tyrosine kinase (FGR), transcript variant 2, mRNA [NM_001042747]	38.66	up	570
A_33_P3297020	PSORS1C3	Homo sapiens psoriasis susceptibility 1 candidate 3 (non-protein coding) (PSORS1C3), long non-coding RNA [NR_026816]	111.26	up	571
A_33_P3306146	PLAU	Homo sapiens plasminogen activator, urokinase (PLAU), transcript variant 2, mRNA [NM_001145031]	3.75	up	572
A_24_P228228	B4GALT6	Homo sapiens UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 6 (B4GALT6), mRNA [NM_004775]	28.01	up	573
A_24_P14634	EMID1	Homo sapiens EMI domain containing 1 (EMID1), transcript variant 1, mRNA [NM_133455]	85.20	up	574
A_23_P147109	TOR4A	Homo sapiens torsin family 4, member A (TOR4A), mRNA [NM_017723]	2.54	up	575
A_21_P0014815	Inc-TTR-1	Homo sapiens cDNA clone IMAGE:4306135, partial cds. [BC054864]	51.21	up	576
A_21_P0012496		Homo sapiens, clone IMAGE:5418716, mRNA. [BC041484]	9.64	up	577
A_23_P500093	RGS13	Homo sapiens regulator of G-protein signaling 13 (RGS13), transcript variant 1, mRNA [NM_002927]	10.52	up	578
A_23_P18317	SLC41A3	Homo sapiens solute carrier family 41, member 3 (SLC41A3), transcript variant 2, mRNA [NM_017836]	2.46	up	579
A_23_P367816	SNX29	Homo sapiens sorting nexin 29 (SNX29), mRNA [NM_032167]	2.79	up	580
A_21_P0002532	Inc-AC073043.2-1-1	Q4RK49_TETNG (Q4RK49) Chromosome 2 SCAF15032, whole genome shotgun sequence, partial (57%) [THC2643973]	8.90	up	581
A_23_P132159	USP18	Homo sapiens ubiquitin specific peptidase 18 (USP18), mRNA [NM_017414]	32.54	up	582
A_32_P54553	USP41	ubiquitin specific peptidase 41 [Source:HGNC Symbol;Acc:HGNC:20070] [ENST00000454608]	27.80	up	583
A_21_P0006038	LINC01505	Homo sapiens long intergenic non-protein coding RNA 1505 (LINC01505), long non-coding RNA [NR_104145]	3.69	up	584
A_33_P3376131	NT5DC4	PREDICTED: Homo sapiens 5'-nucleotidase domain containing 4 (NT5DC4), mRNA [XM_001716359]	6.53	up	585
A_23_P69383	PARP9	Homo sapiens poly (ADP-ribose) polymerase family, member 9 (PARP9), transcript variant 1, mRNA [NM_031458]	9.23	up	586
A_24_P356338	GABARAPL2	Homo sapiens GABA(A) receptor-associated protein-like 2 (GABARAPL2), mRNA [NM_007285]	2.44	up	587
A_23_P85140	TCEAL2	Homo sapiens transcription elongation factor A (SII)-like 2 (TCEAL2), mRNA [NM_080390]	4.77	up	588
A_33_P3212112	SLC12A6	Homo sapiens solute carrier family 12 (potassium/chloride transporter), member 6 (SLC12A6), transcript variant 5, mRNA [NM_001042496]	2.15	up	589
A_23_P34835	LMNA	Homo sapiens lamin A/C (LMNA), transcript variant 2, mRNA [NM_005572]	25.41	up	590
A_33_P3408762	LMNA	Homo sapiens lamin A/C (LMNA), transcript variant 6, mRNA [NM_001282625]	28.74	up	591
A_23_P97064	FBXO6	Homo sapiens F-box protein 6 (FBXO6), mRNA [NM_018438]	4.36	up	592
A_23_P452	DDR2	Homo sapiens discoidin domain receptor tyrosine kinase 2 (DDR2), transcript variant 1, mRNA [NM_001014796]	8.48	up	593
A_33_P3398156	CYS1	Homo sapiens cystin 1 (CYS1), mRNA [NM_001037160]	28.94	up	594
A_23_P29773	LAMP3	Homo sapiens lysosomal-associated membrane protein 3 (LAMP3), mRNA [NM_014398]	257.01	up	595
A_23_P142389	LSR	Homo sapiens lipolysis stimulated lipoprotein receptor (LSR), transcript variant 2, mRNA [NM_205834]	9.37	up	596
A_24_P380536	CD164	Homo sapiens CD164 molecule, sialomucin (CD164), transcript variant 1, mRNA [NM_006016]	3.16	up	597
A_21_P0007660	Inc-TMEM132B-12	LNCipedia lincRNA (Inc-TMEM132B-12), lincRNA [Inc-TMEM132B-12:3]	3.28	up	598
A_33_P3305780	CCNI2	Homo sapiens cyclin I family, member 2 (CCNI2), transcript variant 1, mRNA [NM_001287252]	27.34	up	599
A_21_P0013393	LOC102723946	ZN695_HUMAN (Q8IW36) Zinc finger protein 695 (Zinc finger protein SBZF3), partial (8%) [THC2641926]	28.24	up	600
A_23_P80648	MFN1	Homo sapiens mitofusin 1 (MFN1), mRNA [NM_033540]	2.86	up	601
A_24_P942321	FRMD4A	Homo sapiens FERM domain containing 4A (FRMD4A), mRNA [NM_018027]	42.55	up	602
A_23_P120902	LGALS2	Homo sapiens lectin, galactoside-binding, soluble, 2 (LGALS2), mRNA [NM_006498]	34.89	up	603
A_33_P3339650	DST	Homo sapiens dystonin (DST), transcript variant 1e, mRNA [NM_001723]	4.11	up	604
A_21_P0013394	LOC102723946		17.34	up	605
A_21_P0013255	XLOC_I2_013513	BROAD Institute lincRNA (XLOC_I2_013513), lincRNA [TCONS_I2_00026102]	23.75	up	606
A_24_P192627	MLLT3	Homo sapiens myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3 (MLLT3), transcript variant 1, mRNA [NM_004529]	7.75	up	607
A_24_P925664	MDM2	Homo sapiens MDM2 proto-oncogene, E3 ubiquitin protein ligase (MDM2), transcript variant 1, mRNA [NM_002392]	2.50	up	608
A_33_P3220137	LHFPL1	Homo sapiens lipoma HMGIC fusion partner-like 1 (LHFPL1), mRNA [NM_178175]	37.45	up	609
A_21_P0005119	Inc-SH3BGRL2-1	LNCipedia lincRNA (Inc-SH3BGRL2-1), lincRNA [Inc-SH3BGRL2-1:1]	10.20	up	610
A_21_P0008007	MIR4500HG	MIR4500 host gene (non-protein coding) [Source:HGNC Symbol;Acc:HGNC:42773] [ENST00000450888]	13.36	up	611
A_33_P3231613	Inc-CSAG1-1	PREDICTED: Homo sapiens chondrosarcoma-associated gene 2/3 protein-like (LOC102723547), mRNA [XM_006724857]	2.46	up	612
A_21_P0005118	Inc-SH3BGRL2-1	LNCipedia lincRNA (Inc-SH3BGRL2-1), lincRNA [Inc-SH3BGRL2-1:2]	13.83	up	613
A_33_P3775848	CLIC2	Homo sapiens chloride intracellular channel 2 (CLIC2), mRNA [NM_001289]	76.93	up	614
A_23_P48826	TRIM69	Homo sapiens tripartite motif containing 69 (TRIM69), transcript variant a, mRNA [NM_182985]	4.14	up	615
A_33_P3315342	ARHGEF19	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 19 (ARHGEF19), mRNA [NM_153213]	6.26	up	616
A_23_P165042	LOC100129935	Homo sapiens lectin, galactoside-binding, soluble, 14 pseudogene (LOC100129935), non-coding RNA [NR_026870]	11.14	up	617
A_23_P61466	CD163L1	Homo sapiens CD163 molecule-like 1 (CD163L1), transcript variant 2, mRNA [NM_174941]	56.61	up	618
A_32_P207767		Q6P9F8_HUMAN (Q6P9F8) RHOT1 protein (Fragment), partial (12%) [THC2668971]	5.58	up	619
A_23_P118234	CES5A	Homo sapiens carboxylesterase 5A (CES5A), transcript variant 2, mRNA [NM_145024]	172.30	up	620

A_33_P3413558	CD226	CD226 molecule [Source:HGNC Symbol;Acc:HGNC:16961] [ENST00000280200]	119.55	up	621
A_24_P45446	GBP4	Homo sapiens guanylate binding protein 4 (GBP4), mRNA [NM_052941]	27.29	up	622
A_21_P0011061		cilia and flagella associated 54 [Source:HGNC Symbol;Acc:HGNC:26456] [ENST00000554821]	12.03	up	623
A_33_P3298861	SLC12A8	Homo sapiens solute carrier family 12, member 8 (SLC12A8), transcript variant 1, mRNA [NM_024628]	8.89	up	624
A_23_P201459	IFI6	Homo sapiens interferon, alpha-inducible protein 6 (IFI6), transcript variant 3, mRNA [NM_022873]	8.79	up	625
A_33_P3356821	LCE1C	Homo sapiens late cornified envelope 1C (LCE1C), transcript variant 1, mRNA [NM_178351]	137.72	up	626
A_23_P259272	WSB2	Homo sapiens WD repeat and SOCS box containing 2 (WSB2), transcript variant 2, mRNA [NM_018639]	2.61	up	627
A_23_P157136	SCIN	Homo sapiens scinderin (SCIN), transcript variant 2, mRNA [NM_033128]	5.76	up	628
A_23_P259003	PEX5L	Homo sapiens peroxisomal biogenesis factor 5-like (PEX5L), transcript variant 1, mRNA [NM_016559]	22.50	up	629
A_32_P105549	ANXA8L1	Homo sapiens annexin A8-like 1 (ANXA8L1), transcript variant 1, mRNA [NM_001098845]	6.37	up	630
A_24_P200023	IL1R1	Homo sapiens interleukin 1 receptor, type I (IL1R1), transcript variant 1, mRNA [NM_000877]	3.68	up	631
A_33_P3367251	CNTLN	Homo sapiens centlein, centrosomal protein (CNTLN), transcript variant 2, mRNA [NM_001114395]	9.15	up	632
A_23_P18672	GBA3	Homo sapiens glucosidase, beta, acid 3 (gene/pseudogene) (GBA3), transcript variant 1, mRNA [NM_020973]	2.66	up	633
A_33_P3281795	MGLL	Homo sapiens monoglyceride lipase (MGLL), transcript variant 1, mRNA [NM_007283]	4.28	up	634
A_21_P0012157		MIR646 host gene (non-protein coding) [Source:HGNC Symbol;Acc:HGNC:27659] [ENST00000427820]	10.34	up	635
A_23_P374782	SH3KBP1	Homo sapiens SH3-domain kinase binding protein 1 (SH3KBP1), transcript variant 2, mRNA [NM_001024666]	3.42	up	636
A_23_P83278	CHMP5	Homo sapiens charged multivesicular body protein 5 (CHMP5), transcript variant 1, mRNA [NM_016410]	2.81	up	637
A_33_P3224858	EIF2AK2	Homo sapiens eukaryotic translation initiation factor 2-alpha kinase 2 (EIF2AK2), transcript variant 3, mRNA [NM_001135652]	2.88	up	638
A_33_P3296303	CHMP5	Homo sapiens charged multivesicular body protein 5 (CHMP5), transcript variant 1, mRNA [NM_016410]	2.98	up	639
A_33_P3289218	AAK1	Homo sapiens AP2 associated kinase 1 (AAK1), mRNA [NM_014911]	5.19	up	640
A_21_P0011820	XLOC_I2_007435	BROAD Institute lincRNA (XLOC_I2_007435), lincRNA [TCONS_I2_00013803]	8.34	up	641
A_33_P3354322	GPX1	Homo sapiens glutathione peroxidase 1 (GPX1), transcript variant 2, mRNA [NM_201397]	2.01	up	642
A_24_P226008	MGLL	Homo sapiens monoglyceride lipase (MGLL), transcript variant 1, mRNA [NM_007283]	3.67	up	643
A_21_P0007273	lnc-ATM-1	LNCipedia lincRNA (lnc-ATM-1), lincRNA [lnc-ATM-1:1]	8.68	up	644
A_33_P3375809	LOC729970	Homo sapiens hCG2028352-like (LOC729970), long non-coding RNA [NR_033998]	4.51	up	645
A_33_P3351150	PIEZO2	Homo sapiens piezo-type mechanosensitive ion channel component 2 (PIEZO2), mRNA [NM_022068]	28.49	up	646
A_33_P3263890	PRRX1	Homo sapiens paired related homeobox 1 (PRRX1), transcript variant pmx-1a, mRNA [NM_006902]	913.71	up	647
A_21_P0000621	LINC00881	Homo sapiens long intergenic non-protein coding RNA 881 (LINC00881), long non-coding RNA [NR_034008]	32.22	up	648
A_21_P0004878	lnc-FTSJD2-1	LNCipedia lincRNA (lnc-FTSJD2-1), lincRNA [lnc-FTSJD2-1:6]	26.28	up	649
A_23_P72096	IL1A	Homo sapiens interleukin 1, alpha (IL1A), mRNA [NM_000575]	72.97	up	650
A_23_P134935	DUSP4	Homo sapiens dual specificity phosphatase 4 (DUSP4), transcript variant 1, mRNA [NM_001394]	19.17	up	651
A_33_P3318581	PLOD2	Homo sapiens procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2 (PLOD2), transcript variant 1, mRNA [NM_182943]	415.40	up	652
A_23_P77852	ZBPB2	Homo sapiens zona pellucida binding protein 2 (ZBPB2), transcript variant 2, mRNA [NM_199321]	15.38	up	653
A_23_P126836	TNFSF4	Homo sapiens tumor necrosis factor (ligand) superfamily, member 4 (TNFSF4), transcript variant 1, mRNA [NM_003326]	19.77	up	654
A_33_P3402489	OAS3	Homo sapiens 2'-5'-oligoadenylate synthetase 3, 100kDa (OAS3), mRNA [NM_006187]	23.95	up	655
A_24_P658584	SASH1	Homo sapiens SAM and SH3 domain containing 1 (SASH1), mRNA [NM_015278]	17.39	up	656
A_23_P66858	KRTAP17-1	Homo sapiens keratin associated protein 17-1 (KRTAP17-1), mRNA [NM_031964]	288.62	up	657
A_24_P335305	OAS3	Homo sapiens 2'-5'-oligoadenylate synthetase 3, 100kDa (OAS3), mRNA [NM_006187]	23.09	up	658
A_23_P59388	DST	Homo sapiens dystonin (DST), transcript variant 1e, mRNA [NM_001723]	8.20	up	659
A_23_P139786	OASL	Homo sapiens 2'-5'-oligoadenylate synthetase-like (OASL), transcript variant 1, mRNA [NM_003733]	40.91	up	660
A_24_P269062	SPRY4	Homo sapiens sprouty homolog 4 (Drosophila) (SPRY4), transcript variant 1, mRNA [NM_030964]	26.40	up	661
A_33_P3379268	SCIMP	Homo sapiens SLP adaptor and CSK interacting membrane protein (SCIMP), transcript variant 1, mRNA [NM_207103]	51.94	up	662
A_24_P56240	CPNE8	Homo sapiens copine VIII (CPNE8), mRNA [NM_153634]	107.35	up	663
A_23_P259251	KCND2	Homo sapiens potassium channel, voltage gated Shal related subfamily D, member 2 (KCND2), mRNA [NM_012281]	74.24	up	664
A_33_P3539345	MYO6	Homo sapiens myosin VI (MYO6), transcript variant 1, mRNA [NM_004999]	22.84	up	665
A_23_P62932	ATP1B1	Homo sapiens ATPase, Na+/K+ transporting, beta 1 polypeptide (ATP1B1), mRNA [NM_001677]	11.36	up	666
A_33_P3228612	CACNA1E	Homo sapiens calcium channel, voltage-dependent, R type, alpha 1E subunit (CACNA1E), transcript variant 1, mRNA [NM_001205293]	10.84	up	667
A_23_P11685	PLA2G4A	Homo sapiens phospholipase A2, group IVA (cytosolic, calcium-dependent) (PLA2G4A), mRNA [NM_024420]	42.96	up	668
A_23_P212050	BCHE	Homo sapiens butyrylcholinesterase (BCHE), mRNA [NM_000055]	128.83	up	669
A_21_P0000089	ZFYVE28	Homo sapiens zinc finger, FYVE domain containing 28 (ZFYVE28), transcript variant 6, mRNA [NM_001172660]	2.75	up	670
A_23_P22352	FRMD4A	FERM domain containing 4A [Source:HGNC Symbol;Acc:HGNC:25491] [ENST00000342409]	124.26	up	671
A_21_P0011062		cilia and flagella associated 54 [Source:HGNC Symbol;Acc:HGNC:26456] [ENST00000554108]	9.10	up	672
A_24_P751492	FAM221B	Homo sapiens family with sequence similarity 221, member B (FAM221B), transcript variant 1, mRNA [NM_001012446]	7.48	up	673
A_32_P793319		Homo sapiens cDNA FLJ25883 fis, clone CBR02735. [AK098749]	3.83	up	674
A_21_P0011174	XLOC_I2_003888	BROAD Institute lincRNA (XLOC_I2_003888), lincRNA [TCONS_I2_00007058]	4.16	up	675
A_33_P3360341	GATA3	Homo sapiens GATA binding protein 3 (GATA3), transcript variant 1, mRNA [NM_001002295]	96.56	up	676
A_33_P3380529	PRTFDC1	Homo sapiens phosphoribosyl transferase domain containing 1 (PRTFDC1), transcript variant 2, mRNA [NM_001282786]	24.21	up	677
A_23_P434473	STT3B	Homo sapiens STT3B, subunit of the oligosaccharyltransferase complex (catalytic) (STT3B), mRNA [NM_178862]	2.22	up	678
A_32_P96000	ETV3L	Homo sapiens ets variant 3-like (ETV3L), mRNA [NM_001004341]	43.14	up	679
A_33_P3284036	CLDN14	claudin 14 [Source:HGNC Symbol;Acc:HGNC:2035] [ENST00000478313]	253.13	up	680
A_33_P3386203	OR2T10	Homo sapiens olfactory receptor, family 2, subfamily T, member 10 (OR2T10), mRNA [NM_001004693]	10.28	up	681

A_33_P3320062	PLD1	Homo sapiens phospholipase D1, phosphatidylcholine-specific (PLD1), transcript variant 1, mRNA [NM_002662]	302.13	up	682
A_33_P3301040	HHLA2	Homo sapiens HERV-H LTR-associating 2 (HHLA2), transcript variant 4, mRNA [NM_001282558]	2.05	up	683
A_21_P0007065	LINC01515	Homo sapiens long intergenic non-protein coding RNA 1515 (LINC01515), long non-coding RNA [NR_120647]	16.31	up	684
A_21_P0001740	lnc-WARS2-1	LNCipedia lincRNA (lnc-WARS2-1), lincRNA [lnc-WARS2-1:1]	50.68	up	685
A_21_P0005741	lnc-SPAG1-2	LNCipedia lincRNA (lnc-SPAG1-2), lincRNA [lnc-SPAG1-2:2]	205.99	up	686
A_33_P3322784	NTRK2	Homo sapiens neurotrophic tyrosine kinase, receptor, type 2 (NTRK2), transcript variant d, mRNA [NM_001018065]	22.63	up	687
A_33_P3226080	SCIMP	Homo sapiens SLP adaptor and CSK interacting membrane protein (SCIMP), transcript variant 1, mRNA [NM_207103]	47.91	up	688
A_23_P313981	SERPINB10	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 10 (SERPINB10), mRNA [NM_005024]	202.01	up	689
A_33_P3370575	CD200	Homo sapiens CD200 molecule (CD200), transcript variant 2, mRNA [NM_001004196]	447.91	up	690
A_33_P3286151	LOC100132891	Homo sapiens uncharacterized LOC100132891 (LOC100132891), transcript variant 2, long non-coding RNA [NR_033651]	88.38	up	691
A_23_P256948	MSC	Homo sapiens musculin (MSC), mRNA [NM_005098]	416.89	up	692
A_33_P3367126	ARHGEF28	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 28 (ARHGEF28), transcript variant 2, mRNA [NM_001177693]	60.22	up	693
A_21_P0007282	lnc-CTD-2523D13.1.1-3	LNCipedia lincRNA (lnc-CTD-2523D13.1.1-3), lincRNA [lnc-CTD-2523D13.1.1-3:1]	24.50	up	694
A_23_P328740	NEURL3	Homo sapiens neuralized E3 ubiquitin protein ligase 3 (NEURL3), transcript variant 2, mRNA [NM_001285486]	2188.16	up	695
A_21_P0014234	lnc-CTSL1-1	PREDICTED: Homo sapiens DAPK1 intronic transcript 1 (non-protein coding) (DAPK1-IT1), misc_RNA [XR_171053]	163.63	up	696
A_33_P3261957	CALCRL	Homo sapiens calcitonin receptor-like (CALCRL), transcript variant 1, mRNA [NM_005795]	7.71	up	697
A_23_P15889	CBLN2	Homo sapiens cerebellin 2 precursor (CBLN2), mRNA [NM_182511]	159.68	up	698
A_24_P182494	DUSP10	Homo sapiens dual specificity phosphatase 10 (DUSP10), transcript variant 1, mRNA [NM_007207]	11.66	up	699
A_23_P121480	CD200	Homo sapiens CD200 molecule (CD200), transcript variant 2, mRNA [NM_001004196]	675.40	up	700
A_21_P0008949			18.30	up	701
A_33_P3286146	LOC100132891	Homo sapiens uncharacterized LOC100132891 (LOC100132891), transcript variant 1, long non-coding RNA [NR_033652]	8.70	up	702
A_33_P3322363	HMSD	Homo sapiens histocompatibility (minor) serpin domain containing (HMSD), mRNA [NM_001123366]	420.84	up	703
A_23_P138194	NCF2	Homo sapiens neutrophil cytosolic factor 2 (NCF2), transcript variant 1, mRNA [NM_000433]	68.63	up	704
A_23_P216693	MLLT3	Homo sapiens myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3 (MLLT3), transcript variant 1, mRNA [NM_004529]	10.28	up	705
A_33_P3316555	MGST3	Homo sapiens microsomal glutathione S-transferase 3 (MGST3), mRNA [NM_004528]	3.12	up	706
A_33_P3381513	CD274	Homo sapiens CD274 molecule (CD274), transcript variant 1, mRNA [NM_014143]	92.86	up	707
A_23_P338479	CD274	Homo sapiens CD274 molecule (CD274), transcript variant 1, mRNA [NM_014143]	130.06	up	708
A_24_P89891	TRAF1	Homo sapiens TNF receptor-associated factor 1 (TRAF1), transcript variant 1, mRNA [NM_005658]	18.55	up	709
A_33_P3258046	TAC4	Homo sapiens tachykinin 4 (hemokinin) (TAC4), transcript variant alpha, mRNA [NM_170685]	3.35	up	710
A_23_P119042	NKG7	Homo sapiens natural killer cell granule protein 7 (NKG7), mRNA [NM_005601]	7.34	up	711
A_21_P0010444	lnc-NFAM1-1	LNCipedia lincRNA (lnc-NFAM1-1), lincRNA [lnc-NFAM1-1:1]	2.39	up	712
A_33_P3397525	WNT4	Homo sapiens wingless-type MMTV integration site family, member 4 (WNT4), mRNA [NM_030761]	5.07	up	713
A_32_P214925	TCAF2	Homo sapiens family with sequence similarity 115, member C (FAM115C), transcript variant 2, mRNA [NM_173678]	6.22	up	714
A_33_P3298267			7.94	up	715
A_33_P3280845	THY1	Homo sapiens Thy-1 cell surface antigen (THY1), mRNA [NM_006288]	68.09	up	716
A_33_P3482417	ANKRD26P3	Homo sapiens ankyrin repeat domain 26 pseudogene 3 (ANKRD26P3), non-coding RNA [NR_027248]	14.21	up	717
A_33_P3362652	OR5H14	Homo sapiens olfactory receptor, family 5, subfamily H, member 14 (OR5H14), mRNA [NM_001005514]	88.79	up	718
A_33_P3272520		olfactory receptor, family 5, subfamily H, member 7 pseudogene [Source:HGNC Symbol;Acc:HGNC:14771] [ENST00000514084]	15.92	up	719
A_33_P3382498	SIGLEC14	Homo sapiens sialic acid binding Ig-like lectin 14 (SIGLEC14), mRNA [NM_001098612]	38.98	up	720
A_33_P3227736	LINC00336	Homo sapiens long intergenic non-protein coding RNA 336 (LINC00336), long non-coding RNA [NR_027908]	5.94	up	721
A_23_P420209	GCNT3	Homo sapiens glucosaminyl (N-acetyl) transferase 3, mucin type (GCNT3), mRNA [NM_004751]	7.25	up	722
A_23_P109785	NR1I2	Homo sapiens nuclear receptor subfamily 1, group I, member 2 (NR1I2), transcript variant 1, mRNA [NM_003889]	13.06	up	723
A_23_P428260	STEAP2	Homo sapiens STEAP family member 2, metalloreductase (STEAP2), transcript variant 1, mRNA [NM_152999]	115.13	up	724
A_24_P100996	ANO5	Homo sapiens anoctamin 5 (ANO5), transcript variant 1, mRNA [NM_213599]	87.08	up	725
A_21_P0003650	lnc-SPRY1-3	LNCipedia lincRNA (lnc-SPRY1-3), lincRNA [lnc-SPRY1-3:1]	6.37	up	726
A_21_P0001573	lnc-IGSF3-1	CD014608 Human CD34+ ESTs from primary hematopoietic stem-progenitor cells Homo sapiens cDNA 3', mRNA sequence [GD150158]	13.51	up	727
A_33_P3318653	OR5H6	Homo sapiens olfactory receptor, family 5, subfamily H, member 6 (gene/pseudogene) (OR5H6), mRNA [NM_001005479]	9.00	up	728
A_33_P3347872	LOC100128727	Homo sapiens cDNA FLJ42406 fis, clone ASTRO3000482. [AK124397]	9.07	up	729
A_33_P3414192	SORCS1	Homo sapiens sortilin-related VPS10 domain containing receptor 1 (SORCS1), transcript variant 6, mRNA [NM_001206572]	5.93	up	730
A_23_P169909	DGKI	Homo sapiens diacylglycerol kinase, iota (DGKI), mRNA [NM_004717]	31.49	up	731
A_33_P3411744	EGOT	Homo sapiens eosinophil granule ontogeny transcript (non-protein coding) (EGOT), long non-coding RNA [NR_004428]	35.61	up	732
A_24_P28722	RSAD2	Homo sapiens radical S-adenosyl methionine domain containing 2 (RSAD2), mRNA [NM_080657]	4.74	up	733
A_33_P3348787			3.37	up	734
A_23_P32629	HS6ST3	Homo sapiens heparan sulfate 6-O-sulfotransferase 3 (HS6ST3), mRNA [NM_153456]	5.17	up	735
A_21_P0000697	LOC100505912	Homo sapiens uncharacterized LOC100505912 (LOC100505912), long non-coding RNA [NR_037877]	19.18	up	736
A_23_P418083	LCA5	Homo sapiens Leber congenital amaurosis 5 (LCA5), transcript variant 1, mRNA [NM_181714]	12.27	up	737
A_33_P3397655	SYNPO	Homo sapiens synaptodopin (SYNPO), transcript variant 3, mRNA [NM_001166208]	3.20	up	738
A_21_P0002882			4.81	up	739
A_24_P2648	PTPN14	Homo sapiens protein tyrosine phosphatase, non-receptor type 14 (PTPN14), mRNA [NM_005401]	51.54	up	740
A_23_P24457	LRRC4C	Homo sapiens leucine rich repeat containing 4C (LRRC4C), transcript variant 1, mRNA [NM_020929]	9.27	up	741
A_33_P3726064	SPATA3-AS1	Homo sapiens SPATA3 antisense RNA 1 (head to head) (SPATA3-AS1), long non-coding RNA [NR_033879]	67.94	up	742

A_23_P117782	LARP6	Homo sapiens La ribonucleoprotein domain family, member 6 (LARP6), transcript variant 1, mRNA [NM_018357]	503.89	up	743
A_24_P95154	TUSC3	Homo sapiens tumor suppressor candidate 3 (TUSC3), transcript variant 2, mRNA [NM_178234]	64.68	up	744
A_33_P3237977	LARP6	Homo sapiens La ribonucleoprotein domain family, member 6 (LARP6), transcript variant 2, mRNA [NM_197958]	561.01	up	745
A_33_P3393331	MFSD6L	Homo sapiens major facilitator superfamily domain containing 6-like (MFSD6L), mRNA [NM_152599]	7.38	up	746
A_33_P3371224	ANO10	Homo sapiens anoctamin 10 (ANO10), transcript variant 2, mRNA [NM_001204831]	49.62	up	747
A_33_P3328426	ANO10	Homo sapiens anoctamin 10 (ANO10), transcript variant 2, mRNA [NM_001204831]	78.38	up	748
A_19_P00320570	Inc-UBLCP1-4	LNCipedia lincRNA (Inc-UBLCP1-4), lincRNA [Inc-UBLCP1-4:1]	2.66	up	749
A_33_P3401586	EFCAB10	Homo sapiens EF-hand calcium binding domain 10 (EFCAB10), long non-coding RNA [NR_027068]	6.03	up	750
A_21_P0012000	LINC01320	Homo sapiens long intergenic non-protein coding RNA 1320 (LINC01320), long non-coding RNA [NR_126404]	78.88	up	751
A_23_P7560	IL12B	Homo sapiens interleukin 12B (IL12B), mRNA [NM_002187]	47.01	up	752
A_21_P0014223		PREDICTED: Homo sapiens uncharacterized LOC100505613 (LOC100505613), misc_RNA [XR_113143]	142.65	up	753
A_24_P236091	ENO2	Homo sapiens enolase 2 (gamma, neuronal) (ENO2), mRNA [NM_001975]	6.91	up	754
A_23_P34888	CHIA	Homo sapiens chitinase, acidic (CHIA), transcript variant 2, mRNA [NM_021797]	2.12	up	755
A_23_P80626	PRRT3	Homo sapiens proline-rich transmembrane protein 3 (PRRT3), mRNA [NM_207351]	20.64	up	756
A_33_P3230709	KIF1C	Homo sapiens kinesin family member 1C (KIF1C), mRNA [NM_006612]	3.10	up	757
A_21_P0014744	Inc-PEA15-1	Q9Z0G8_RAT (Q9Z0G8) SH3 domain binding protein (CR16), partial (4%) [THC2569838]	4.99	up	758
A_33_P3272614	PPP1R26	Homo sapiens protein phosphatase 1, regulatory subunit 26 (PPP1R26), mRNA [NM_014811]	2.53	up	759
A_21_P0008360	Inc-C14orf166B-3	LNCipedia lincRNA (Inc-C14orf166B-3), lincRNA [Inc-C14orf166B-3:3]	18.27	up	760
A_21_P0012019	LOC100506563	PREDICTED: Homo sapiens uncharacterized LOC100506563 (LOC100506563), ncRNA [XR_109876]	52.39	up	761
A_21_P0002200	Inc-QPCT-3	LNCipedia lincRNA (Inc-QPCT-3), lincRNA [Inc-QPCT-3:3]	5.69	up	762
A_23_P112874	GPC5	Homo sapiens glypican 5 (GPC5), mRNA [NM_004466]	18.44	up	763
A_23_P106362	AQP9	Homo sapiens aquaporin 9 (AQP9), mRNA [NM_020980]	249.21	up	764
A_23_P116249	GRIK4	Homo sapiens glutamate receptor, ionotropic, kainate 4 (GRIK4), transcript variant 2, mRNA [NM_014619]	3.80	up	765
A_21_P0005319			11.41	up	766
A_33_P3382143	STARD13	Homo sapiens StAR-related lipid transfer (START) domain containing 13 (STARD13), transcript variant 5, mRNA [NM_001243466]	17.58	up	767
A_33_P3367247	CNTLN	Homo sapiens centlein, centrosomal protein (CNTLN), transcript variant 2, mRNA [NM_001114395]	31.27	up	768
A_24_P65121	TTC23	Homo sapiens tetratricopeptide repeat domain 23 (TTC23), transcript variant 8, mRNA [NM_001288615]	2.93	up	769
A_21_P0011347		immunoglobulin heavy variable 4-4 [Source:HGNC Symbol;Acc:HGNC:5652] [ENST00000455737]	266.76	up	770
A_23_P25155	GPR84	Homo sapiens G protein-coupled receptor 84 (GPR84), mRNA [NM_020370]	16.61	up	771
A_21_P0005161	Inc-CCHCR1-1	Q6H1K9_HUMAN (Q6H1K9) Psoriasis susceptibility 1 candidate 3, complete [THC2664701]	11.25	up	772
A_23_P105957	ACTN1	Homo sapiens actinin, alpha 1 (ACTN1), transcript variant 2, mRNA [NM_001102]	52.92	up	773
A_23_P138881	ACTN3	Homo sapiens actinin, alpha 3 (gene/pseudogene) (ACTN3), transcript variant 1, coding, mRNA [NM_001104]	9.51	up	774
A_19_P00318443	Inc-MAGI2-1	LNCipedia lincRNA (Inc-MAGI2-1), lincRNA [Inc-MAGI2-1:2]	2.02	up	775
A_33_P3260667	OR2T34	Homo sapiens olfactory receptor, family 2, subfamily T, member 34 (OR2T34), mRNA [NM_001001821]	11.64	up	776
A_23_P321388	RNF19B	Homo sapiens ring finger protein 19B (RNF19B), transcript variant 1, mRNA [NM_153341]	3.39	up	777
A_21_P0012400	NUDT16P1	Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 16 pseudogene 1 (NUDT16P1), transcript variant 1, non-coding RNA [NR_027766]	4.05	up	778
A_23_P88381	NUMB	Homo sapiens numb homolog (Drosophila) (NUMB), transcript variant 1, mRNA [NM_001005743]	2.98	up	779
A_24_P131236	SV2A	Homo sapiens synaptic vesicle glycoprotein 2A (SV2A), transcript variant 1, mRNA [NM_014849]	4.24	up	780
A_23_P49842	UNC119	Homo sapiens unc-119 homolog (C. elegans) (UNC119), transcript variant 1, mRNA [NM_005148]	5.16	up	781
A_23_P368779	ZNF114	Homo sapiens zinc finger protein 114 (ZNF114), transcript variant 1, mRNA [NM_153608]	11.18	up	782
A_24_P88763	LOXL3	Homo sapiens lysyl oxidase-like 3 (LOXL3), transcript variant 1, mRNA [NM_032603]	10.70	up	783
A_33_P3286724	PLD2	Homo sapiens phospholipase D2 (PLD2), transcript variant 1, mRNA [NM_002663]	2.13	up	784
A_33_P3331307	CDC42EP3	Homo sapiens CDC42 effector protein (Rho GTPase binding) 3 (CDC42EP3), transcript variant 1, mRNA [NM_006449]	4.33	up	785
A_23_P424561	RHOV	Homo sapiens ras homolog family member V (RHOV), mRNA [NM_133639]	12.85	up	786
A_33_P3362088	P2RX4	Homo sapiens purinergic receptor P2X, ligand gated ion channel, 4 (P2RX4), transcript variant 1, mRNA [NM_001256796]	2.39	up	787
A_33_P3338121	LAMB3	Homo sapiens laminin, beta 3 (LAMB3), transcript variant 2, mRNA [NM_001017402]	57.19	up	788
A_21_P0010689	XLOC_j2_000018	BROAD Institute lincRNA (XLOC_j2_000018), lincRNA [TCONS_j2_00001954]	40.57	up	789
A_23_P79094	LILRA3	Homo sapiens leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3 (LILRA3), transcript variant 1, mRNA [NM_006865]	11.47	up	790
A_23_P205370	ASB2	Homo sapiens ankyrin repeat and SOCS box containing 2 (ASB2), transcript variant 2, mRNA [NM_016150]	105.05	up	791
A_21_P0013889		raftlin, lipid raft linker 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:23971] [ENST00000442584]	7.15	up	792
A_23_P52676	CATSPER1	Homo sapiens cation channel, sperm associated 1 (CATSPER1), mRNA [NM_053054]	6.87	up	793
A_21_P0013374	LOC101927769		38.43	up	794
A_33_P3268567	NCK2	Homo sapiens NCK adaptor protein 2 (NCK2), transcript variant 1, mRNA [NM_003581]	2.82	up	795
A_23_P11980	CFAP57	Homo sapiens cilia and flagella associated protein 57 (CFAP57), transcript variant 5, mRNA [NM_001195831]	56.91	up	796
A_24_P234116	C1orf56	Homo sapiens chromosome 1 open reading frame 56 (C1orf56), mRNA [NM_017860]	2.07	up	797
A_33_P3265872	LOC101927497	Homo sapiens uncharacterized LOC101927497 (LOC101927497), transcript variant 1, long non-coding RNA [NR_110086]	16.49	up	798
A_24_P403150	FLJ34503	Homo sapiens uncharacterized FLJ34503 (FLJ34503), long non-coding RNA [NR_027060]	4.52	up	799
A_24_P97374	EOMES	Homo sapiens eomesodermin (EOMES), transcript variant 2, mRNA [NM_005442]	63.18	up	800
A_32_P99100	PTPRK	Homo sapiens protein tyrosine phosphatase, receptor type, K (PTPRK), transcript variant 2, mRNA [NM_002844]	40.62	up	801
A_23_P65518	DACT1	Homo sapiens dishevelled-binding antagonist of beta-catenin 1 (DACT1), transcript variant 1, mRNA [NM_016651]	53.25	up	802
A_23_P140373	FLVCR2	Homo sapiens feline leukemia virus subgroup C cellular receptor family, member 2 (FLVCR2), transcript variant 1, mRNA [NM_017791]	29.71	up	803
A_21_P0012227	LINC00158	long intergenic non-protein coding RNA 158 [Source:HGNC Symbol;Acc:HGNC:1283] [ENST00000439840]	13.03	up	804
A_23_P250294	ABHD5	Homo sapiens abhydrolase domain containing 5 (ABHD5), mRNA [NM_016006]	6.59	up	805

A_24_P918907	LOC154761	Homo sapiens family with sequence similarity 115, member C pseudogene (LOC154761), non-coding RNA [NR_015421]	15.34	up	806
A_24_P83615	NLRP1	Homo sapiens NLR family, pyrin domain containing 1 (NLRP1), transcript variant 5, mRNA [NM_001033053]	3.15	up	807
A_23_P133974	C6orf106	Homo sapiens chromosome 6 open reading frame 106 (C6orf106), transcript variant 1, mRNA [NM_024294]	4.19	up	808
A_23_P308603	SRC	Homo sapiens SRC proto-oncogene, non-receptor tyrosine kinase (SRC), transcript variant 1, mRNA [NM_005417]	26.96	up	809
A_21_P0007281	LOC102724301	Homo sapiens uncharacterized LOC102724301 (LOC102724301), long non-coding RNA [NR_120587]	26.45	up	810
A_24_P191781	PARM1	Homo sapiens prostate androgen-regulated mucin-like protein 1 (PARM1), mRNA [NM_015393]	467.12	up	811
A_21_P0006791			64.74	up	812
A_21_P0000813	APELA	Homo sapiens apelin receptor early endogenous ligand (APELA), mRNA [NM_001297550]	46.74	up	813
A_33_P3251582	LRRC16A	Homo sapiens leucine rich repeat containing 16A (LRRC16A), transcript variant 2, mRNA [NM_001173977]	31.24	up	814
A_23_P129291	TGM5	Homo sapiens transglutaminase 5 (TGM5), transcript variant 1, mRNA [NM_201631]	17.58	up	815
A_23_P84219	LIPH	Homo sapiens lipase, member H (LIPH), mRNA [NM_139248]	208.57	up	816
A_23_P3065	C14orf105	Homo sapiens chromosome 14 open reading frame 105 (C14orf105), transcript variant 2, mRNA [NM_018168]	12.81	up	817
A_23_P315589	KIAA0930	Homo sapiens KIAA0930 (KIAA0930), transcript variant 1, mRNA [NM_015264]	2.64	up	818
A_24_P320526	C6orf106	Homo sapiens chromosome 6 open reading frame 106 (C6orf106), transcript variant 1, mRNA [NM_024294]	2.28	up	819
A_23_P166823	TNNC1	Homo sapiens troponin C type 1 (slow) (TNNC1), mRNA [NM_003280]	4.14	up	820
A_21_P0005877	lnc-ANKRD46-1	LNCipedia lincRNA (lnc-ANKRD46-1), lincRNA [lnc-ANKRD46-1:1]	6.21	up	821
A_21_P0005955			101.16	up	822
A_24_P354689	SPOCK1	Homo sapiens sparco/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1 (SPOCK1), mRNA [NM_004598]	13.85	up	823
A_21_P0005740	lnc-SPAG1-2	LNCipedia lincRNA (lnc-SPAG1-2), lincRNA [lnc-SPAG1-2:1]	104.34	up	824
A_23_P326474	L3MBTL4	Homo sapiens l(3)mbt-like 4 (Drosophila) (L3MBTL4), mRNA [NM_173464]	10.06	up	825
A_21_P0001192			11.72	up	826
A_21_P0007971	LINC01070	Homo sapiens long intergenic non-protein coding RNA 1070 (LINC01070), long non-coding RNA [NR_108094]	5.76	up	827
A_33_P3290343	CYP1B1	Homo sapiens cytochrome P450, family 1, subfamily B, polypeptide 1 (CYP1B1), mRNA [NM_000104]	24.42	up	828
A_33_P3322150	LOC101927609	PREDICTED: Homo sapiens uncharacterized LOC101927609 (LOC101927609), transcript variant X2, ncRNA [XR_428101]	24.25	up	829
A_21_P0000984		Q1X057_9FIRM (Q1X057) Fe-S oxidoreductases family 2, partial (7%) [THC2679042]	59.34	up	830
A_33_P3353791	ITGA1	Homo sapiens integrin, alpha 1 (ITGA1), mRNA [NM_181501]	69.86	up	831
A_21_P0007992	LINC01055	long intergenic non-protein coding RNA 1055 [Source:HGNC Symbol;Acc:HGNC:49049] [ENST00000435067]	12.56	up	832
A_21_P0012489			25.50	up	833
A_33_P3254670			3.03	up	834
A_33_P3520693	LOC646903	Homo sapiens uncharacterized LOC646903 (LOC646903), long non-coding RNA [NR_036538]	33.70	up	835
A_21_P0001111			3.50	up	836
A_23_P121011	CSRNP1	Homo sapiens cysteine-serine-rich nuclear protein 1 (CSRNP1), mRNA [NM_033027]	2.57	up	837
A_33_P3392882	NCKAP5	Homo sapiens NCK-associated protein 5 (NCKAP5), transcript variant 2, mRNA [NM_207481]	4.65	up	838
A_33_P3326984	MOK	MOK protein kinase [Source:HGNC Symbol;Acc:HGNC:9833] [ENST00000520252]	8.20	up	839
A_33_P3314401	CLDN16	Homo sapiens claudin 16 (CLDN16), mRNA [NM_006580]	4.64	up	840
A_24_P356916	SLC13A3	Homo sapiens solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3 (SLC13A3), transcript variant 2, mRNA [NM_001011554]	17.05	up	841
A_23_P23048	S100A9	Homo sapiens S100 calcium binding protein A9 (S100A9), mRNA [NM_002965]	28.19	up	842
A_21_P0010669	XLOC_l2_001302	BROAD Institute lincRNA (XLOC_l2_001302), lincRNA [TCONS_l2_00001761]	3.12	up	843
A_33_P3408918	SAA2	Homo sapiens serum amyloid A2 (SAA2), transcript variant 1, mRNA [NM_030754]	24.65	up	844
A_33_P3310774	LOC101060498	Homo sapiens uncharacterized LOC101060498 (LOC101060498), transcript variant 1, long non-coding RNA [NR_121640]	2.90	up	845
A_21_P0003110	lnc-GLB1-1	LNCipedia lincRNA (lnc-GLB1-1), lincRNA [lnc-GLB1-1:1]	9.79	up	846
A_33_P3346801	BMF	Homo sapiens Bcl2 modifying factor (BMF), transcript variant 1, mRNA [NM_001003940]	5.64	up	847
A_23_P92687	DAP	Homo sapiens death-associated protein (DAP), transcript variant 2, mRNA [NM_004394]	2.03	up	848
A_23_P370682	BATF2	Homo sapiens basic leucine zipper transcription factor, ATF-like 2 (BATF2), transcript variant 1, mRNA [NM_138456]	11.80	up	849
A_33_P3257574	LOC101928958	PREDICTED: Homo sapiens uncharacterized LOC101928958 (LOC101928958), ncRNA [XR_241872]	40.70	up	850
A_33_P3419696	FGF2	Homo sapiens fibroblast growth factor 2 (basic) (FGF2), mRNA [NM_002006]	4.00	up	851
A_33_P3342752	CAPN8	calpain 8 [Source:HGNC Symbol;Acc:HGNC:1485] [ENST00000366873]	7.67	up	852
A_33_P3228622	OR14I1	Homo sapiens olfactory receptor, family 14, subfamily I, member 1 (OR14I1), mRNA [NM_001004734]	16.04	up	853
A_23_P125643	ASB9	Homo sapiens ankyrin repeat and SOCS box containing 9 (ASB9), transcript variant 1, mRNA [NM_001031739]	24.20	up	854
A_24_P237912	TCAF2	Homo sapiens family with sequence similarity 115, member C (FAM115C), transcript variant 3, mRNA [NM_001130026]	10.68	up	855
A_23_P120822	UPB1	Homo sapiens ureidopropionase, beta (UPB1), mRNA [NM_016327]	20.42	up	856
A_23_P24077	C10orf54	Homo sapiens chromosome 10 open reading frame 54 (C10orf54), mRNA [NM_022153]	5.08	up	857
A_23_P73239	NCKAP1	Homo sapiens NCK-associated protein 1 (NCKAP1), transcript variant 2, mRNA [NM_205842]	30.90	up	858
A_23_P22444	CFP	Homo sapiens complement factor properdin (CFP), transcript variant 1, mRNA [NM_002621]	9.43	up	859
A_21_P0013596			4.38	up	860
A_23_P91512	CLDN14	Homo sapiens claudin 14 (CLDN14), transcript variant 1, mRNA [NM_144492]	23.96	up	861
A_23_P1043	C1orf106	Homo sapiens chromosome 1 open reading frame 106 (C1orf106), transcript variant 1, mRNA [NM_018265]	31.81	up	862
A_33_P3318631	OR5H2	Homo sapiens olfactory receptor, family 5, subfamily H, member 2 (OR5H2), mRNA [NM_001005482]	15.08	up	863
A_33_P3304533	RNF207	ring finger protein 207 [Source:HGNC Symbol;Acc:HGNC:32947] [ENST00000466994]	14.98	up	864
A_33_P3317058	STAG3	Homo sapiens stromal antigen 3 (STAG3), transcript variant 3, mRNA [NM_001282717]	12.32	up	865
A_33_P3403942	OCSTAMP	Homo sapiens osteoclast stimulatory transmembrane protein (OCSTAMP), mRNA [NM_080721]	10.01	up	866
A_23_P152305	CDH11	Homo sapiens cadherin 11, type 2, OB-cadherin (osteoblast) (CDH11), mRNA [NM_001797]	6.87	up	867
A_23_P250228	HYAL4	Homo sapiens hyaluronoglucosaminidase 4 (HYAL4), mRNA [NM_012269]	26.82	up	868
A_23_P70547	HSPA1L	Homo sapiens heat shock 70kDa protein 1-like (HSPA1L), mRNA [NM_005527]	3.21	up	869
A_23_P14174	TNFSF13B	Homo sapiens tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B), transcript variant 1, mRNA [NM_006573]	17.28	up	870

A_33_P3247753	TSIX	Homo sapiens TSIX Hnmp, XIST antisense RNA (TSIX), antisense RNA [NR_003255]	2.66	up	871
A_21_P0010459		zr79a12.s1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:681886 3', mRNA sequence [AA256156]	3.45	up	872
A_23_P99386	TNFSF11	Homo sapiens tumor necrosis factor (ligand) superfamily, member 11 (TNFSF11), transcript variant 1, mRNA [NM_003701]	11.76	up	873
A_32_P120895	LYSMD2	Homo sapiens LysM, putative peptidoglycan-binding, domain containing 2 (LYSMD2), transcript variant 1, mRNA [NM_153374]	4.21	up	874
A_21_P0009741	lnc-DDX39A-2	LNCipedia lincRNA (lnc-DDX39A-2), lincRNA [lnc-DDX39A-2:1]	4.57	up	875
A_23_P118203	ZG16B	Homo sapiens zymogen granule protein 16B (ZG16B), mRNA [NM_145252]	27.16	up	876
A_23_P5601	DOK1	Homo sapiens docking protein 1, 62kDa (downstream of tyrosine kinase 1) (DOK1), transcript variant 1, mRNA [NM_001381]	2.27	up	877
A_33_P3379571	MAP3K9	Homo sapiens mitogen-activated protein kinase kinase kinase 9 (MAP3K9), transcript variant 1, mRNA [NM_033141]	3.37	up	878
A_23_P84736	CTNNA2	Homo sapiens catenin (cadherin-associated protein), alpha 2 (CTNNA2), transcript variant 1, mRNA [NM_004389]	32.28	up	879
A_33_P3423551	IER3	Homo sapiens immediate early response 3 (IER3), mRNA [NM_003897]	12.95	up	880
A_33_P3251492	LOC100133669	Homo sapiens uncharacterized LOC100133669 (LOC100133669), long non-coding RNA [NR_026913]	58.09	up	881
A_23_P42257	IER3	Homo sapiens immediate early response 3 (IER3), mRNA [NM_003897]	11.78	up	882
A_33_P3298024	ABCC3	Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 3 (ABCC3), transcript variant 2, mRNA [NM_001144070]	4.68	up	883
A_21_P0006028	TCERG1L-AS1	Homo sapiens TCERG1L antisense RNA 1 (TCERG1L-AS1), long non-coding RNA [NR_120623]	24.65	up	884
A_33_P3384695	NCALD	Homo sapiens mRNA for Neurocalcin delta variant protein. [AB209015]	5.00	up	885
A_21_P0011378	XLOC_I2_004951	BROAD Institute lincRNA (XLOC_I2_004951), lincRNA [TCONS_I2_00009129]	73.87	up	886
A_23_P416238	MS4A6E	Homo sapiens membrane-spanning 4-domains, subfamily A, member 6E (MS4A6E), mRNA [NM_139249]	7.11	up	887
A_23_P93988	ARHGEF5	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 5 (ARHGEF5), mRNA [NM_005435]	36.21	up	888
A_33_P3294654	RSG1	Homo sapiens REM2 and RAB-like small GTPase 1 (RSG1), mRNA [NM_030907]	3.06	up	889
A_33_P3283030	KRTAP29-1	Homo sapiens keratin associated protein 29-1 (KRTAP29-1), mRNA [NM_001257309]	30.16	up	890
A_23_P45871	IFI44L	Homo sapiens interferon-induced protein 44-like (IFI44L), mRNA [NM_006820]	181.05	up	891
A_23_P123172	OR2A9P	Homo sapiens olfactory receptor, family 2, subfamily A, member 9 pseudogene (OR2A9P), non-coding RNA [NR_002157]	24.52	up	892
A_21_P0000578	PHKA2-AS1	Homo sapiens PHKA2 antisense RNA 1 (PHKA2-AS1), long non-coding RNA [NR_029379]	11.60	up	893
A_23_P51548	MGST3	Homo sapiens microsomal glutathione S-transferase 3 (MGST3), mRNA [NM_004528]	3.03	up	894
A_33_P3692756	LHFPL3-AS2	Homo sapiens LHFPL3 antisense RNA 2 (LHFPL3-AS2), long non-coding RNA [NR_027374]	8.02	up	895
A_23_P219060	GPSM3	Homo sapiens G-protein signaling modulator 3 (GPSM3), transcript variant 2, mRNA [NM_022107]	2.91	up	896
A_23_P164436	ASPA	Homo sapiens aspartoacylase (ASPA), transcript variant 1, mRNA [NM_000049]	12.89	up	897
A_23_P140146	IFI27L2	Homo sapiens interferon, alpha-inducible protein 27-like 2 (IFI27L2), mRNA [NM_032036]	7.25	up	898
A_32_P140139	F13A1	Homo sapiens coagulation factor XIII, A1 polypeptide (F13A1), mRNA [NM_000129]	51.71	up	899
A_23_P125082	IRF2	Homo sapiens interferon regulatory factor 2 (IRF2), mRNA [NM_002199]	2.06	up	900
A_23_P58506	ELL2	Homo sapiens elongation factor, RNA polymerase II, 2 (ELL2), mRNA [NM_012081]	18.04	up	901
A_23_P64860	SELPLG	Homo sapiens selectin P ligand (SELPLG), transcript variant 2, mRNA [NM_003006]	10.22	up	902
A_23_P398943	KIR3DX1	Homo sapiens killer cell immunoglobulin-like receptor, three domains, X1 (KIR3DX1), transcript variant 1, non-coding RNA [NR_026716]	4.50	up	903
A_33_P3256303	SELPLG	Homo sapiens selectin P ligand (SELPLG), transcript variant 1, mRNA [NM_001206609]	6.99	up	904
A_23_P142714	SLC25A12	Homo sapiens solute carrier family 25 (aspartate/glutamate carrier), member 12 (SLC25A12), transcript variant 1, mRNA [NM_003705]	2.08	up	905
A_23_P107173	MEOX1	Homo sapiens mesenchyme homeobox 1 (MEOX1), transcript variant 1, mRNA [NM_004527]	15.61	up	906
A_24_P206343	MYO1G	Homo sapiens myosin IG (MYO1G), mRNA [NM_033054]	9.54	up	907
A_23_P363769	KRT86	Homo sapiens keratin 86, type II (KRT86), mRNA [NM_002284]	9.53	up	908
A_33_P3319596	TANGO2	Homo sapiens transport and golgi organization 2 homolog (Drosophila) (TANGO2), transcript variant 1, mRNA [NM_001283106]	2.11	up	909
A_23_P89550	NLRP1	Homo sapiens NLR family, pyrin domain containing 1 (NLRP1), transcript variant 1, mRNA [NM_033004]	3.74	up	910
A_33_P3322804	NTRK2	Homo sapiens neurotrophic tyrosine kinase, receptor, type 2 (NTRK2), transcript variant f, mRNA [NM_001291937]	359.46	up	911
A_33_P3326767		PREDICTED: Homo sapiens uncharacterized LOC100996416 (LOC100996416), misc_RNA [XR_159010]	53.04	up	912
A_23_P209625	CYP1B1	Homo sapiens cytochrome P450, family 1, subfamily B, polypeptide 1 (CYP1B1), mRNA [NM_000104]	63.58	up	913
A_21_P0013650	XLOC_I2_015212	BROAD Institute lincRNA (XLOC_I2_015212), lincRNA [TCONS_I2_00029343]	38.18	up	914
A_21_P0005742	lnc-SPAG1-3	LNCipedia lincRNA (lnc-SPAG1-3), lincRNA [lnc-SPAG1-3:4]	5.20	up	915
A_23_P211561	MEI1	Homo sapiens meiosis inhibitor 1 (MEI1), mRNA [NM_152513]	8.84	up	916
A_33_P3392405	C10orf99	Homo sapiens chromosome 10 open reading frame 99 (C10orf99), mRNA [NM_207373]	607.57	up	917
A_33_P3323641			7.15	up	918
A_33_P3370305	TMEM106A	Homo sapiens transmembrane protein 106A (TMEM106A), transcript variant 1, mRNA [NM_001291586]	2.38	up	919
A_23_P65442	IRF9	Homo sapiens interferon regulatory factor 9 (IRF9), mRNA [NM_006084]	5.76	up	920
A_23_P21207	UBA7	Homo sapiens ubiquitin-like modifier activating enzyme 7 (UBA7), mRNA [NM_003335]	6.95	up	921
A_23_P6943	GPR15	Homo sapiens G protein-coupled receptor 15 (GPR15), mRNA [NM_005290]	9.97	up	922
A_23_P110005	NICN1	Homo sapiens nicotinic 1 (NICN1), mRNA [NM_032316]	2.60	up	923
A_33_P3293381	RASSF4	Ras association (RalGDS/AF-6) domain family member 4 [Source:HGNC Symbol;Acc:HGNC:20793] [ENST00000428466]	8.27	up	924
A_23_P143845	TIPARP	Homo sapiens TCDD-inducible poly(ADP-ribose) polymerase (TIPARP), transcript variant 2, mRNA [NM_015508]	4.34	up	925
A_24_P372134	TMEM140	Homo sapiens transmembrane protein 140 (TMEM140), mRNA [NM_018295]	9.35	up	926
A_21_P0014292		PREDICTED: Homo sapiens uncharacterized LOC100506059 (LOC100506059), misc_RNA [XR_109187]	12.22	up	927
A_21_P0007881		PREDICTED: Homo sapiens uncharacterized LOC101927981 (RP11-81H14.2), transcript variant X4, ncRNA [XR_432852]	24.68	up	928
A_23_P371861	CNBD1	Homo sapiens cyclic nucleotide binding domain containing 1 (CNBD1), mRNA [NM_173538]	7.39	up	929
A_23_P217528	KLF8	Homo sapiens Kruppel-like factor 8 (KLF8), transcript variant 1, mRNA [NM_007250]	8.07	up	930
A_33_P3364493			10.63	up	931
A_23_P156327	TGFBI	Homo sapiens transforming growth factor, beta-induced, 68kDa (TGFBI), mRNA [NM_000358]	42.62	up	932
A_21_P0013101	LOC102723724	PREDICTED: Homo sapiens uncharacterized LOC102723724 (LOC102723724), ncRNA [XR_426077]	81.35	up	933
A_33_P3421985			2.36	up	934
A_21_P0000600	IFT27	Homo sapiens intraflagellar transport 27 (IFT27), transcript variant 4, non-coding RNA [NR_033531]	3.56	up	935

A_21_P0013688	XLOC_I2_015418	BROAD Institute lincRNA (XLOC_I2_015418), lincRNA [TCONS_I2_00029647]	2.88	up	936
A_21_P0014410	NRSN2-AS1	Homo sapiens NRSN2 antisense RNA 1 (NRSN2-AS1), long non-coding RNA [NR_109990]	2.55	up	937
A_24_P156490	KCNMA1	Homo sapiens potassium channel, calcium activated large conductance subfamily M alpha, member 1 (KCNMA1), transcript variant 2, mRNA [NM_002247]	47.11	up	938
A_24_P701776	ARHGEF35	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 35 (ARHGEF35), mRNA [NM_001003702]	9.82	up	939
A_24_P402779	PARP3	Homo sapiens poly (ADP-ribose) polymerase family, member 3 (PARP3), transcript variant 2, mRNA [NM_005485]	9.48	up	940
A_23_P106844	MT2A	Homo sapiens metallothionein 2A (MT2A), mRNA [NM_005953]	28.22	up	941
A_33_P3350056	MT1X	Homo sapiens metallothionein 1X (MT1X), mRNA [NM_005952]	5.46	up	942
A_21_P0000725	SAMD12-AS1	Homo sapiens SAMD12 antisense RNA 1 (SAMD12-AS1), long non-coding RNA [NR_038210]	10.17	up	943
A_23_P427703	MT1L	Homo sapiens metallothionein 1L (gene/pseudogene) (MT1L), non-coding RNA [NR_001447]	13.98	up	944
A_23_P37983	MT1B	Homo sapiens metallothionein 1B (MT1B), mRNA [NM_005947]	12.42	up	945
A_33_P3315314	MT1HL1	Homo sapiens metallothionein 1H-like 1 (MT1HL1), mRNA [NM_001276687]	6.51	up	946
A_23_P165989	NEURL2	Homo sapiens neuralized E3 ubiquitin protein ligase 2 (NEURL2), transcript variant 1, mRNA [NM_080749]	2.97	up	947
A_32_P78783	ZNF778	Homo sapiens zinc finger protein 778 (ZNF778), transcript variant 1, mRNA [NM_001201407]	2.12	up	948
A_21_P0007740		PREDICTED: Homo sapiens uncharacterized LOC101930023 (LOC101930023), ncRNA [XR_432865]	6.06	up	949
A_33_P3382489	LOC100506457		2.69	up	950
A_23_P322625	GPR55	Homo sapiens G protein-coupled receptor 55 (GPR55), mRNA [NM_005683]	18.99	up	951
A_33_P3280074	GRIK4	Homo sapiens glutamate receptor, ionotropic, kainate 4 (GRIK4), transcript variant 1, mRNA [NM_001282470]	6.22	up	952
A_33_P3273068	ALX4	ALX homeobox 4 [Source:HGNC Symbol;Acc:HGNC:450] [ENST00000329255]	2.06	up	953
A_21_P0013629	CNTNAP3	Homo sapiens contactin associated protein-like 3 (CNTNAP3), mRNA [NM_033655]	4.05	up	954
A_21_P0009151		tetraspanin 10 [Source:HGNC Symbol;Acc:HGNC:29942] [ENST00000571914]	4.34	up	955
A_33_P3330079	LOC100128242	PREDICTED: Homo sapiens uncharacterized LOC100128242 (LOC100128242), misc_RNA [XR_110532]	15.29	up	956
A_24_P328524	KALRN	Homo sapiens kalirin, RhoGEF kinase (KALRN), transcript variant 2, mRNA [NM_003947]	10.10	up	957
A_23_P11331	TCEAL8	Homo sapiens transcription elongation factor A (SII)-like 8 (TCEAL8), transcript variant 1, mRNA [NM_153333]	2.43	up	958
A_23_P86710	FRMPD2	Homo sapiens FERM and PDZ domain containing 2 (FRMPD2), transcript variant 3, mRNA [NM_001018071]	15.14	up	959
A_33_P3242798	CPS1	Homo sapiens carbamoyl-phosphate synthase 1, mitochondrial (CPS1), transcript variant 2, mRNA [NM_001875]	58.81	up	960
A_23_P46369	RAB13	Homo sapiens RAB13, member RAS oncogene family (RAB13), transcript variant 1, mRNA [NM_002870]	191.02	up	961
A_23_P60210	RLN1	Homo sapiens relaxin 1 (RLN1), mRNA [NM_006911]	23.01	up	962
A_23_P55990	NAPA	Homo sapiens N-ethylmaleimide-sensitive factor attachment protein, alpha (NAPA), transcript variant 1, mRNA [NM_003827]	2.38	up	963
A_32_P89352	MACROD2	Homo sapiens MACRO domain containing 2 (MACROD2), transcript variant 1, mRNA [NM_080676]	17.25	up	964
A_23_P213706	IL4	Homo sapiens interleukin 4 (IL4), transcript variant 1, mRNA [NM_000589]	42.15	up	965
A_23_P34345	VCAM1	Homo sapiens vascular cell adhesion molecule 1 (VCAM1), transcript variant 1, mRNA [NM_001078]	24.52	up	966
A_23_P333022	PXT1	Homo sapiens peroxisomal, testis specific 1 (PXT1), mRNA [NM_152990]	4.16	up	967
A_21_P0000906	WWTR1-AS1	Homo sapiens WWTR1 antisense RNA 1 (WWTR1-AS1), long non-coding RNA [NR_040250]	14.75	up	968
A_33_P3382924	SPARC	Homo sapiens secreted protein, acidic, cysteine-rich (osteonectin) (SPARC), mRNA [NM_003118]	5.09	up	969
A_33_P3367830	EFEMP2	Homo sapiens EGF containing fibulin-like extracellular matrix protein 2 (EFEMP2), transcript variant 1, mRNA [NM_016938]	4.21	up	970
A_21_P0013865	LOC102725299	chromosome X open reading frame 49B [Source:HGNC Symbol;Acc:HGNC:34229] [ENST00000440412]	85.23	up	971
A_23_P126803	ARPC5	Homo sapiens actin related protein 2/3 complex, subunit 5, 16kDa (ARPC5), transcript variant 1, mRNA [NM_005717]	2.08	up	972
A_33_P3249936	C3orf67	Homo sapiens chromosome 3 open reading frame 67 (C3orf67), mRNA [NM_198463]	30.38	up	973
A_33_P3343196	CP	Homo sapiens ceruloplasmin (ferroxidase) (CP), transcript variant 1, mRNA [NM_000096]	3.66	up	974
A_23_P139146	MS4A8	Homo sapiens membrane-spanning 4-domains, subfamily A, member 8 (MS4A8), mRNA [NM_031457]	4.13	up	975
A_21_P0001146			2.76	up	976
A_23_P338519	NKIRAS1	Homo sapiens NFkB inhibitor interacting Ras-like 1 (NKIRAS1), mRNA [NM_020345]	5.54	up	977
A_33_P3411907	FGF5	Homo sapiens fibroblast growth factor 5 (FGF5), transcript variant 2, mRNA [NM_033143]	2.89	up	978
A_23_P137665	CHI3L1	Homo sapiens chitinase 3-like 1 (cartilage glycoprotein-39) (CHI3L1), mRNA [NM_001276]	49.74	up	979
A_33_P3284933	IL27	Homo sapiens interleukin 27 (IL27), mRNA [NM_145659]	6.30	up	980
A_32_P181222	KCNMA1	Homo sapiens potassium channel, calcium activated large conductance subfamily M alpha, member 1 (KCNMA1), transcript variant 2, mRNA [NM_002247]	19.01	up	981
A_32_P41604	F5	Homo sapiens coagulation factor V (proaccelerin, labile factor) (F5), mRNA [NM_000130]	12.79	up	982
A_33_P3307495	STRA6	Homo sapiens stimulated by retinoic acid 6 (STRA6), transcript variant 8, mRNA [NM_001199042]	51.62	up	983
A_33_P3352877	SPG20	Homo sapiens spastic paraplegia 20 (Troyer syndrome) (SPG20), transcript variant 1, mRNA [NM_015087]	10.57	up	984
A_33_P3359017	CYP4F2	Homo sapiens cytochrome P450, family 4, subfamily F, polypeptide 2 (CYP4F2), mRNA [NM_001082]	38.02	up	985
A_23_P76901	PLEKHG3	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 3 (PLEKHG3), mRNA [NM_015549]	37.40	up	986
A_21_P0006498	Inc-AL353698.1-1	Q14754_HUMAN (Q14754) ORFII, partial (4%) [THC2714876]	5.32	up	987
A_32_P68097	FAM135B	Homo sapiens family with sequence similarity 135, member B (FAM135B), mRNA [NM_015912]	33.22	up	988
A_21_P0003513			7.08	up	989
A_21_P0002757	LOC728290	PREDICTED: Homo sapiens uncharacterized LOC728290 (LOC728290), transcript variant X3, ncRNA [XR_245079]	18.96	up	990
A_23_P354908	NMNAT2	Homo sapiens nicotinamide nucleotide adenyltransferase 2 (NMNAT2), transcript variant 1, mRNA [NM_015039]	8.87	up	991
A_21_P0012364	XLOC_I2_009613	BROAD Institute lincRNA (XLOC_I2_009613), lincRNA [TCONS_I2_00018431]	13.16	up	992
A_21_P0003184	Inc-ANKUB1-1	LNCipedia lincRNA (Inc-ANKUB1-1), lincRNA [Inc-ANKUB1-1:1]	22.09	up	993
A_21_P0002805	LOC102724479	PREDICTED: Homo sapiens uncharacterized LOC102724479 (LOC102724479), ncRNA [XR_427436]	51.31	up	994
A_21_P0014580	LOC100507195	PREDICTED: Homo sapiens uncharacterized LOC100507195 (LOC100507195), ncRNA [XR_171965]	64.82	up	995
A_21_P0007880	LOC100507195	PREDICTED: Homo sapiens uncharacterized LOC100507195 (LOC100507195), ncRNA [XR_171965]	81.31	up	996
A_21_P0014151	LOC100506851	PREDICTED: Homo sapiens uncharacterized LOC100506851 (LOC100506851), ncRNA [XR_108264]	7.03	up	997



A_23_P81898	UBD	Homo sapiens ubiquitin D (UBD), mRNA [NM_006398]	1531.83	up	998
A_23_P215566	AHR	Homo sapiens aryl hydrocarbon receptor (AHR), mRNA [NM_001621]	142.25	up	999
A_21_P0003675	LOC101928223	Homo sapiens uncharacterized LOC101928223 (LOC101928223), long non-coding RNA [NR_125889]	4.06	up	1000
A_33_P3401782	C19orf54	Homo sapiens chromosome 19 open reading frame 54 (C19orf54), mRNA [NM_198476]	2.52	up	1001
A_33_P3252834	PHLDA3	Homo sapiens pleckstrin homology-like domain, family A, member 3 (PHLDA3), transcript variant 1, mRNA [NM_012399]	15.16	up	1002
A_33_P3451508		CCDC26 long non-coding RNA [Source:HGNC Symbol;Acc:HGNC:28416] [ENST00000446592]	6.14	up	1003
A_33_P3304212	PLEKHG3	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 3 (PLEKHG3), mRNA [NM_015549]	41.37	up	1004
A_24_P391918	L3MBTL4	Homo sapiens (3)mbt-like 4 (Drosophila) (L3MBTL4), mRNA [NM_173464]	6.64	up	1005
A_24_P257348	ARL6IP5	Homo sapiens ADP-ribosylation factor-like 6 interacting protein 5 (ARL6IP5), mRNA [NM_006407]	2.18	up	1006
A_33_P3283944		O02402_PINFU (O02402) Insoluble protein, partial (5%) [THC2497807]	22.48	up	1007
A_32_P98975	C15orf57	Homo sapiens chromosome 15 open reading frame 57 (C15orf57), transcript variant 2, mRNA [NM_052849]	2.33	up	1008
A_23_P61531	GLB1	Homo sapiens galactosidase, beta 1 (GLB1), transcript variant 1, mRNA [NM_000404]	2.43	up	1009
A_23_P311640	AGFG2	Homo sapiens ArfGAP with FG repeats 2 (AGFG2), mRNA [NM_006076]	2.41	up	1010
A_33_P3591810		epidermal growth factor receptor pathway substrate 15 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:18166] [ENST00000459691]	2.01	up	1011
A_23_P360079	NCKAP5	Homo sapiens NCK-associated protein 5 (NCKAP5), transcript variant 1, mRNA [NM_207363]	12.49	up	1012
A_24_P882732		keratin 17 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:6429] [ENST00000300992]	40.22	up	1013
A_23_P368805	HHLA2	Homo sapiens HERV-H LTR-associating 2 (HHLA2), transcript variant 1, mRNA [NM_007072]	9.08	up	1014
A_21_P0013372	LOC100506098	PREDICTED: Homo sapiens uncharacterized LOC100506098 (LOC100506098), transcript variant X3, ncRNA [XR_108746]	2.22	up	1015
A_33_P3297360			36.04	up	1016
A_23_P80974	TDO2	Homo sapiens tryptophan 2,3-dioxygenase (TDO2), mRNA [NM_005651]	251.28	up	1017
A_23_P50710	CYP4F2	Homo sapiens cytochrome P450, family 4, subfamily F, polypeptide 2 (CYP4F2), mRNA [NM_001082]	8.06	up	1018
A_33_P3249072		Q711P0_HUMAN (Q711P0) 569272 protein, complete [THC2719494]	32.72	up	1019
A_33_P3236020	TIMD4	Homo sapiens T-cell immunoglobulin and mucin domain containing 4 (TIMD4), transcript variant 1, mRNA [NM_138379]	586.79	up	1020
A_23_P7503	TIMD4	Homo sapiens T-cell immunoglobulin and mucin domain containing 4 (TIMD4), transcript variant 1, mRNA [NM_138379]	514.73	up	1021
A_21_P0002817		DKFZp781J1237_r1 781 (synonym: hlcc4) Homo sapiens cDNA clone DKFZp781J1237 5', mRNA sequence [BX645074]	21.49	up	1022
A_24_P838448	CASC15	Homo sapiens cancer susceptibility candidate 15 (non-protein coding) (CASC15), long non-coding RNA [NR_015410]	14.12	up	1023
A_24_P450285	CCDC153	Homo sapiens coiled-coil domain containing 153 (CCDC153), mRNA [NM_001145018]	6.49	up	1024
A_19_P00318323	CASC15	Homo sapiens cancer susceptibility candidate 15 (non-protein coding) (CASC15), long non-coding RNA [NR_015410]	21.33	up	1025
A_23_P251151	NELL1	Homo sapiens NEL-like 1 (chicken) (NELL1), transcript variant 1, mRNA [NM_006157]	15.84	up	1026
A_23_P112241	DNAJB5	Homo sapiens DnaJ (Hsp40) homolog, subfamily B, member 5 (DNAJB5), transcript variant 3, mRNA [NM_012266]	4.00	up	1027
A_33_P3233608	SPANXC	Homo sapiens SPANX family, member C (SPANXC), mRNA [NM_022661]	60.38	up	1028
A_33_P3369317	DNAJB5	Homo sapiens DnaJ (Hsp40) homolog, subfamily B, member 5 (DNAJB5), transcript variant 1, mRNA [NM_001135005]	3.74	up	1029
A_23_P353524	IVL	Homo sapiens involucrin (IVL), mRNA [NM_005547]	63.63	up	1030
A_32_P219660	SPANXA1	Homo sapiens sperm protein associated with the nucleus, X-linked, family member A1 (SPANXA1), mRNA [NM_013453]	140.91	up	1031
A_21_P0009824			54.45	up	1032
A_23_P35725	ANO3	Homo sapiens anoctamin 3 (ANO3), mRNA [NM_031418]	78.34	up	1033
A_24_P696761	LEMD1	Homo sapiens LEM domain containing 1 (LEMD1), transcript variant 3, mRNA [NM_001001552]	5.48	up	1034
A_23_P501547	ADCY6	Homo sapiens adenylate cyclase 6 (ADCY6), transcript variant 1, mRNA [NM_015270]	41.69	up	1035
A_23_P108751	FHL2	Homo sapiens four and a half LIM domains 2 (FHL2), transcript variant 5, mRNA [NM_001039492]	107.84	up	1036
A_33_P3294277	CYP4F3	Homo sapiens cytochrome P450, family 4, subfamily F, polypeptide 3 (CYP4F3), transcript variant 1, mRNA [NM_000896]	107.22	up	1037
A_32_P19716	ZNF697	Homo sapiens zinc finger protein 697 (ZNF697), mRNA [NM_001080470]	230.65	up	1038
A_33_P3366987	GPR125	Homo sapiens G protein-coupled receptor 125 (GPR125), mRNA [NM_145290]	104.46	up	1039
A_33_P3413468	EDA2R	Homo sapiens ectodysplasin A2 receptor (EDA2R), transcript variant 3, mRNA [NM_001242310]	214.96	up	1040
A_33_P3214625	INPP4B	Homo sapiens inositol polyphosphate-4-phosphatase, type II, 105kDa (INPP4B), transcript variant 1, mRNA [NM_003866]	179.83	up	1041
A_23_P431569	LOC100049716	Homo sapiens uncharacterized LOC100049716 (LOC100049716), long non-coding RNA [NR_122124]	8.09	up	1042
A_21_P0007606	lnc-C12orf74-1	LNCipedia lincRNA (lnc-C12orf74-1), lincRNA [lnc-C12orf74-1:1]	30.08	up	1043
A_24_P377775	RGS3	Homo sapiens regulator of G-protein signaling 3 (RGS3), transcript variant 3, mRNA [NM_017790]	28.09	up	1044
A_33_P3348239	FBN1	Homo sapiens fibrillin 1 (FBN1), mRNA [NM_000138]	23.59	up	1045
A_33_P3213337	C15orf53	Homo sapiens chromosome 15 open reading frame 53 (C15orf53), mRNA [NM_207444]	37.10	up	1046
A_33_P3370600	SMIM6	Homo sapiens small integral membrane protein 6 (SMIM6), mRNA [NM_001162997]	17.89	up	1047
A_33_P3316800	AHR	Homo sapiens aryl hydrocarbon receptor (AHR), mRNA [NM_001621]	152.19	up	1048
A_24_P350576	TNIK	Homo sapiens TRAF2 and NCK interacting kinase (TNIK), transcript variant 1, mRNA [NM_015028]	1538.17	up	1049
A_33_P3213596	TNIK	Homo sapiens TRAF2 and NCK interacting kinase (TNIK), transcript variant 1, mRNA [NM_015028]	290.49	up	1050
A_33_P3287223	DPP4	Homo sapiens dipeptidyl-peptidase 4 (DPP4), mRNA [NM_001935]	83.83	up	1051
A_21_P0000547	TNIK	Homo sapiens TRAF2 and NCK interacting kinase (TNIK), transcript variant 9, non-coding RNA [NR_027767]	207.47	up	1052
A_23_P405878	C12orf54	Homo sapiens chromosome 12 open reading frame 54 (C12orf54), mRNA [NM_152319]	291.40	up	1053
A_33_P3738458	TNS1	Homo sapiens tensin 1 (TNS1), mRNA [NM_022648]	10.23	up	1054
A_23_P161439	ADIRF	Homo sapiens adipogenesis regulatory factor (ADIRF), mRNA [NM_006829]	22.01	up	1055
A_33_P3396389	IL1R1	Homo sapiens interleukin 1 receptor, type I (IL1R1), transcript variant 1, mRNA [NM_000877]	33.67	up	1056
A_33_P3692979	LOC283485	Homo sapiens cDNA FLJ36543 fis, clone TRACH2006194. [AK093862]	506.87	up	1057
A_23_P58993	MOCS1	Homo sapiens molybdenum cofactor synthesis 1 (MOCS1), transcript variant 1, mRNA [NM_005943]	9.95	up	1058
A_21_P0011797	LOC102723646	long intergenic non-protein coding RNA 1320 [Source:HGNC Symbol;Acc:HGNC:50526] [ENST00000453774]	4.29	up	1059
A_23_P215883	NCALD	Homo sapiens neurocalcin delta (NCALD), transcript variant 7, mRNA [NM_001040630]	46.56	up	1060
A_21_P0011798	XLOC_I2_007274	BROAD Institute lincRNA (XLOC_I2_007274), lincRNA [TCONS_I2_00013566]	28.74	up	1061

A_23_P349566	CCDC85A	Homo sapiens coiled-coil domain containing 85A (CCDC85A), mRNA [NM_001080433]	854.42	up	1062
A_23_P158925	GPR125	Homo sapiens G protein-coupled receptor 125 (GPR125), mRNA [NM_145290]	1090.09	up	1063
A_23_P217379	COL4A6	Homo sapiens collagen, type IV, alpha 6 (COL4A6), transcript variant B, mRNA [NM_033641]	257.98	up	1064
A_23_P166993	EPHB1	Homo sapiens EPH receptor B1 (EPHB1), mRNA [NM_004441]	170.63	up	1065
A_21_P0011182	LINC01055	Homo sapiens long intergenic non-protein coding RNA 1055 (LINC01055), long non-coding RNA [NR_125786]	89.10	up	1066
A_33_P3392187	CCDC85A	Homo sapiens coiled-coil domain containing 85A (CCDC85A), mRNA [NM_001080433]	433.67	up	1067
A_23_P96158	KRT17	Homo sapiens keratin 17, type I (KRT17), mRNA [NM_000422]	69.69	up	1068
A_33_P3295578	TCEAL8	Homo sapiens transcription elongation factor A (SII)-like 8 (TCEAL8), transcript variant 1, mRNA [NM_153333]	2.40	up	1069
A_24_P289139	SH3KBP1	Homo sapiens SH3-domain kinase binding protein 1 (SH3KBP1), transcript variant 2, mRNA [NM_001024666]	4.63	up	1070
A_33_P3387145	SH3KBP1	Homo sapiens SH3-domain kinase binding protein 1 (SH3KBP1), transcript variant 1, mRNA [NM_031892]	4.59	up	1071
A_23_P94412	PDCD1LG2	Homo sapiens programmed cell death 1 ligand 2 (PDCD1LG2), mRNA [NM_025239]	14.98	up	1072
A_33_P3213707	PDCD1LG2	Homo sapiens programmed cell death 1 ligand 2 (PDCD1LG2), mRNA [NM_025239]	29.67	up	1073
A_23_P39840	VAMP5	Homo sapiens vesicle-associated membrane protein 5 (VAMP5), mRNA [NM_006634]	9.68	up	1074
A_23_P92202	GMPPB	Homo sapiens GDP-mannose pyrophosphorylase B (GMPPB), transcript variant 2, mRNA [NM_021971]	2.15	up	1075
A_24_P81900	SLC2A3	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 3 (SLC2A3), mRNA [NM_006931]	19.46	up	1076
A_24_P161018	PARP14	Homo sapiens poly (ADP-ribose) polymerase family, member 14 (PARP14), mRNA [NM_017554]	7.26	up	1077
A_23_P7582	TCF7	Homo sapiens transcription factor 7 (T-cell specific, HMG-box) (TCF7), transcript variant 1, mRNA [NM_003202]	9.46	up	1078
A_33_P3250671	TCF7	Homo sapiens transcription factor 7 (T-cell specific, HMG-box) (TCF7), transcript variant 1, mRNA [NM_003202]	12.46	up	1079
A_23_P356330	DESI1	Homo sapiens desumoylating isopeptidase 1 (DESI1), mRNA [NM_015704]	2.66	up	1080
A_23_P393620	TFPI2	Homo sapiens tissue factor pathway inhibitor 2 (TFPI2), transcript variant 1, mRNA [NM_006528]	56.83	up	1081
A_33_P3373014			2.89	up	1082
A_33_P3209716	CTNND1	Homo sapiens catenin (cadherin-associated protein), delta 1 (CTNND1), transcript variant 16, mRNA [NM_001206885]	5.94	up	1083
A_24_P201153	TJP2	Homo sapiens tight junction protein 2 (TJP2), transcript variant 2, mRNA [NM_201629]	14.69	up	1084
A_21_P0000539	LINC01138	Homo sapiens long intergenic non-protein coding RNA 1138 (LINC01138), transcript variant 1, long non-coding RNA [NR_027468]	3.87	up	1085
A_23_P65022	ACADS	Homo sapiens acyl-CoA dehydrogenase, C-2 to C-3 short chain (ACADS), transcript variant 1, mRNA [NM_000017]	3.60	up	1086
A_21_P0010700			10.17	up	1087
A_19_P00319646	LINC00673	Homo sapiens long intergenic non-protein coding RNA 673 (LINC00673), long non-coding RNA [NR_036488]	42.83	up	1088
A_21_P0009023	Inc-AC136428.1.1-2	RC0-GN0275-060201-032-g10 GN0275 Homo sapiens cDNA, mRNA sequence [BI055436]	2.33	up	1089
A_33_P3421728	DGKG	Homo sapiens diacylglycerol kinase, gamma 90kDa (DGKG), transcript variant 1, mRNA [NM_001346]	3.43	up	1090
A_33_P3216297	NR3C1	Homo sapiens nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor) (NR3C1), transcript variant 5, mRNA [NM_001018077]	7.25	up	1091
A_33_P3767927	NR3C1	Homo sapiens nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor) (NR3C1), transcript variant 5, mRNA [NM_001018077]	6.02	up	1092
A_33_P3309643			3.95	up	1093
A_33_P3407606	MSN	moesin [Source:HGNC Symbol;Acc:HGNC:7373] [ENST00000447323]	9.56	up	1094
A_33_P3248843			7.46	up	1095
A_33_P3231414	LILRB1	Homo sapiens leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1 (LILRB1), transcript variant 1, mRNA [NM_006669]	60.61	up	1096
A_23_P122662	GFOD1	Homo sapiens glucose-fructose oxidoreductase domain containing 1 (GFOD1), transcript variant 1, mRNA [NM_018988]	3.38	up	1097
A_21_P0014427	Inc-CHADL-1	Homo sapiens cDNA FLJ32615 fis, clone STOMA2000148. [AK057177]	2.39	up	1098
A_23_P63026	LGALS8	Homo sapiens lectin, galactoside-binding, soluble, 8 (LGALS8), transcript variant 1, mRNA [NM_006499]	3.56	up	1099
A_21_P0000740	HIVEP3	Homo sapiens human immunodeficiency virus type 1 enhancer binding protein 3 (HIVEP3), transcript variant 3, non-coding RNA [NR_038260]	10.32	up	1100
A_23_P207774	KSR1	Homo sapiens kinase suppressor of ras 1 (KSR1), mRNA [NM_014238]	16.27	up	1101
A_21_P0012192	XLOC_i2_009172	BROAD Institute lincRNA (XLOC_i2_009172), lincRNA [TCONS_i2_00017177]	18.12	up	1102
A_23_P132057	LINC00158	Homo sapiens long intergenic non-protein coding RNA 158 (LINC00158), long non-coding RNA [NR_024027]	18.94	up	1103
A_33_P3411075	FSCN1	Homo sapiens fascin actin-bundling protein 1 (FSCN1), mRNA [NM_003088]	93.96	up	1104
A_23_P251316	CTNND1	Homo sapiens catenin (cadherin-associated protein), delta 1 (CTNND1), transcript variant 3, mRNA [NM_001331]	19.49	up	1105
A_23_P161563	RAB38	Homo sapiens RAB38, member RAS oncogene family (RAB38), mRNA [NM_022337]	27.53	up	1106
A_21_P0012193	LINC00158	Homo sapiens long intergenic non-protein coding RNA 158 (LINC00158), long non-coding RNA [NR_024027]	15.93	up	1107
A_24_P88921	XPC	Homo sapiens xeroderma pigmentosum, complementation group C (XPC), transcript variant 1, mRNA [NM_004628]	2.71	up	1108
A_23_P88095	TBC1D4	Homo sapiens TBC1 domain family, member 4 (TBC1D4), transcript variant 1, mRNA [NM_014832]	80.24	up	1109
A_23_P409462	DCBLD1	Homo sapiens discoidin, CUB and LCCL domain containing 1 (DCBLD1), mRNA [NM_173674]	23.36	up	1110
A_23_P213699	NRG2	Homo sapiens neuregulin 2 (NRG2), transcript variant 3, mRNA [NM_013982]	40.74	up	1111
A_23_P162386	BIN2	Homo sapiens bridging integrator 2 (BIN2), transcript variant 1, mRNA [NM_016293]	28.10	up	1112
A_33_P3234138	FAM172BP	Homo sapiens family with sequence similarity 172, member B, pseudogene (FAM172BP), non-coding RNA [NR_036433]	4.72	up	1113
A_23_P259580	TAPBP	Homo sapiens TAP binding protein (tapasin) (TAPBP), transcript variant 2, mRNA [NM_172208]	2.22	up	1114
A_24_P98249	TACC1	Homo sapiens transforming, acidic coiled-coil containing protein 1 (TACC1), transcript variant 1, mRNA [NM_006283]	5.33	up	1115
A_33_P3353692	MYH9	Homo sapiens myosin, heavy chain 9, non-muscle (MYH9), mRNA [NM_002473]	2.60	up	1116
A_23_P28582		Homo sapiens cDNA FLJ14082 fis, clone HEMBB1002300. [AK024144]	5.22	up	1117
A_33_P3691916	FAM13A	Homo sapiens family with sequence similarity 13, member A (FAM13A), transcript variant 1, mRNA [NM_014883]	12.31	up	1118
A_33_P3272169	CLIP2	Homo sapiens CAP-GLY domain containing linker protein 2 (CLIP2), transcript variant 1, mRNA [NM_003388]	3.31	up	1119
A_23_P66543	PIK3R5	Homo sapiens phosphoinositide-3-kinase, regulatory subunit 5 (PIK3R5), transcript variant 2, mRNA [NM_014308]	6.77	up	1120
A_19_P00803685	ANKRD33B	Homo sapiens ankyrin repeat domain 33B (ANKRD33B), mRNA [NM_001164440]	2.82	up	1121
A_23_P340848	PTGIR	Homo sapiens prostaglandin I2 (prostacyclin) receptor (IP) (PTGIR), mRNA [NM_000960]	81.60	up	1122
A_21_P0011345	NF1	Homo sapiens neurofibromin 1 (NF1), transcript variant 2, mRNA [NM_000267]	3.39	up	1123

A_19_P00316396	MEG3	Homo sapiens maternally expressed 3 (non-protein coding) (MEG3), transcript variant 16, long non-coding RNA [NR_046473]	2.05	up	1124
A_23_P342727	STARD13	Homo sapiens STAR-related lipid transfer (START) domain containing 13 (STARD13), transcript variant 1, mRNA [NM_178006]	16.97	up	1125
A_21_P0012860	LOC285626	Homo sapiens uncharacterized LOC285626 (LOC285626), long non-coding RNA [NR_037889]	12.41	up	1126
A_24_P388528	ST6GAL1	Homo sapiens ST6 beta-galactosamide alpha-2,6-sialyltransferase 1 (ST6GAL1), transcript variant 1, mRNA [NM_173216]	2.03	up	1127
A_21_P0008277	LOC101928075	Homo sapiens uncharacterized LOC101928075 (LOC101928075), long non-coding RNA [NR_110071]	7.52	up	1128
A_23_P429560	SSH1	Homo sapiens slingshot protein phosphatase 1 (SSH1), transcript variant 1, mRNA [NM_018984]	2.47	up	1129
A_21_P0001667	Inc-CLIC4-2	Q8U734_AGR5 (Q8U734) ABC transporter, membrane spanning protein (AGR_L_523p), partial (5%) [THC2668874]	10.28	up	1130
A_24_P316430	NT5E	Homo sapiens 5'-nucleotidase, ecto (CD73) (NT5E), transcript variant 1, mRNA [NM_002526]	14.03	up	1131
A_23_P331928	CD109	Homo sapiens CD109 molecule (CD109), transcript variant 1, mRNA [NM_133493]	76.54	up	1132
A_21_P0013917	NT5DC4	5'-nucleotidase domain containing 4 [Source:HGNC Symbol;Acc:HGNC:27678] [ENST00000497526]	7.15	up	1133
A_24_P331128	GNA15	Homo sapiens guanine nucleotide binding protein (G protein), alpha 15 (Gq class) (GNA15), mRNA [NM_002068]	8.12	up	1134
A_23_P71757	IFNA6	Homo sapiens interferon, alpha 6 (IFNA6), mRNA [NM_021002]	6.81	up	1135
A_24_P813550		immunoglobulin heavy variable 4-34 [Source:HGNC Symbol;Acc:HGNC:5650] [ENST00000390616]	710.17	up	1136
A_23_P25475	SOAT2	Homo sapiens sterol O-acyltransferase 2 (SOAT2), mRNA [NM_003578]	3.38	up	1137
A_33_P3403723	C8orf89	chromosome 8 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:51258] [ENST00000624510]	25.92	up	1138
A_24_P408740	CMC1	Homo sapiens C-x(9)-C motif containing 1 (CMC1), mRNA [NM_182523]	2.66	up	1139
A_23_P201248	SLC26A9	Homo sapiens solute carrier family 26 (anion exchanger), member 9 (SLC26A9), transcript variant 1, mRNA [NM_052934]	9.26	up	1140
A_33_P3262431	KREMEN1	Homo sapiens kringle containing transmembrane protein 1 (KREMEN1), transcript variant 2, mRNA [NM_032045]	7.84	up	1141
A_33_P3213518			8.57	up	1142
A_21_P0003122	Inc-PRICKLE2-3	LNCipedia lincRNA (Inc-PRICKLE2-3), lincRNA [Inc-PRICKLE2-3:1]	5.32	up	1143
A_33_P3305458	ATF6B	Homo sapiens activating transcription factor 6 beta (ATF6B), transcript variant 1, mRNA [NM_004381]	3.73	up	1144
A_33_P3238315	RBCK1	Homo sapiens RanBP-type and C3HC4-type zinc finger containing 1 (RBCK1), transcript variant 1, mRNA [NM_006462]	2.66	up	1145
A_23_P30464	PRR7	Homo sapiens proline rich 7 (synaptic) (PRR7), transcript variant 1, mRNA [NM_030567]	3.91	up	1146
A_23_P156683	LTA	Homo sapiens lymphotoxin alpha (LTA), transcript variant 2, mRNA [NM_000595]	40.47	up	1147
A_24_P117410	KLHDC7B	Homo sapiens kelch domain containing 7B (KLHDC7B), mRNA [NM_138433]	6.58	up	1148
A_21_P0008541	LOC102724015	PREDICTED: Homo sapiens uncharacterized LOC102724015 (LOC102724015), ncRNA [XR_424539]	4.55	up	1149
A_21_P0014763			8.70	up	1150
A_24_P205045	ERC2	Homo sapiens ELKS/RAB6-interacting/CAST family member 2 (ERC2), mRNA [NM_015576]	6.65	up	1151
A_33_P3737504	DAPK1	Homo sapiens death-associated protein kinase 1 (DAPK1), transcript variant 1, mRNA [NM_004938]	3.96	up	1152
A_23_P50276	ANGPTL6	Homo sapiens angiopoietin-like 6 (ANGPTL6), mRNA [NM_031917]	3.86	up	1153
A_21_P0000152	CD44	Homo sapiens CD44 molecule (Indian blood group) (CD44), transcript variant 8, mRNA [NM_001202557]	4.49	up	1154
A_32_P108156	MIR155HG	Homo sapiens MIR155 host gene (non-protein coding) (MIR155HG), long non-coding RNA [NR_001458]	25.96	up	1155
A_33_P3353752			2.36	up	1156
A_24_P167642	GCH1	Homo sapiens GTP cyclohydrolase 1 (GCH1), transcript variant 1, mRNA [NM_000161]	3.18	up	1157
A_21_P0001507	Inc-PPAP2B-4	LNCipedia lincRNA (Inc-PPAP2B-4), lincRNA [Inc-PPAP2B-4:1]	6.65	up	1158
A_21_P0011214	LINC00539	Homo sapiens long intergenic non-protein coding RNA 539 (LINC00539), transcript variant 1, long non-coding RNA [NR_103840]	7.37	up	1159
A_24_P100277	CYB5R3	Homo sapiens cytochrome b5 reductase 3 (CYB5R3), transcript variant 2, mRNA [NM_007326]	3.01	up	1160
A_23_P83781	CYTH1	Homo sapiens cytohesin 1 (CYTH1), transcript variant 1, mRNA [NM_004762]	2.00	up	1161
A_23_P213137	LNX1	Homo sapiens ligand of numb-protein X 1, E3 ubiquitin protein ligase (LNK1), transcript variant 2, mRNA [NM_032622]	16.52	up	1162
A_33_P3242878	EFCAB6	Homo sapiens EF-hand calcium binding domain 6 (EFCAB6), transcript variant 1, mRNA [NM_022785]	6.49	up	1163
A_23_P124108	ITGAM	Homo sapiens integrin, alpha M (complement component 3 receptor 3 subunit) (ITGAM), transcript variant 2, mRNA [NM_000632]	5.73	up	1164
A_33_P3368453	MICA	Homo sapiens MHC class I polypeptide-related sequence A (MICA), transcript variant 1*001, mRNA [NM_000247]	2.14	up	1165
A_33_P3309859	Inc-FAM43A-2	LNCipedia lincRNA (Inc-FAM43A-2), lincRNA [Inc-FAM43A-2:1]	3.27	up	1166
A_21_P0013547	XLOC_I2_014694	BROAD Institute lincRNA (XLOC_I2_014694), lincRNA [TCONS_I2_00028603]	16.24	up	1167
A_24_P136470	BTN2A3P	Homo sapiens butyrophilin, subfamily 2, member A3, pseudogene (BTN2A3P), non-coding RNA [NR_027795]	2.83	up	1168
A_23_P216455	RLN2	Homo sapiens relaxin 2 (RLN2), transcript variant 2, mRNA [NM_005059]	12.55	up	1169
A_24_P273742	TTC9	Homo sapiens tetraatricopeptide repeat domain 9 (TTC9), mRNA [NM_015351]	8.81	up	1170
A_21_P0013105			11.87	up	1171
A_23_P384044	CNIH3	Homo sapiens cornichon family AMPA receptor auxiliary protein 3 (CNIH3), mRNA [NM_152495]	17.02	up	1172
A_33_P3772150	ADARB2	Homo sapiens adenosine deaminase, RNA-specific, B2 (non-functional) (ADARB2), mRNA [NM_018702]	9.10	up	1173
A_23_P429950	KAL1	Homo sapiens Kallmann syndrome 1 sequence (KAL1), mRNA [NM_000216]	53.53	up	1174
A_33_P3380523	PRTFDC1	phosphoribosyl transferase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:23333] [ENST00000376376]	17.00	up	1175
A_33_P3352467	SSTR2	Homo sapiens somatostatin receptor 2 (SSTR2), mRNA [NM_001050]	40.00	up	1176
A_23_P216108	ANK1	Homo sapiens ankyrin 1, erythrocytic (ANK1), transcript variant 3, mRNA [NM_000037]	7.90	up	1177
A_23_P167468	PRLR	Homo sapiens prolactin receptor (PRLR), transcript variant 1, mRNA [NM_000949]	15.37	up	1178
A_23_P416395	STC2	Homo sapiens stanniocalcin 2 (STC2), mRNA [NM_003714]	29.51	up	1179
A_23_P49376	CETP	Homo sapiens cholesteryl ester transfer protein, plasma (CETP), transcript variant 1, mRNA [NM_000078]	43.68	up	1180
A_24_P144601	POU5F1	Homo sapiens POU class 5 homeobox 1 (POU5F1), transcript variant 1, mRNA [NM_002701]	3.34	up	1181
A_23_P106391	THAP10	Homo sapiens THAP domain containing 10 (THAP10), mRNA [NM_020147]	20.44	up	1182
A_33_P3329013	SSTR2	Homo sapiens somatostatin receptor 2 (SSTR2), mRNA [NM_001050]	148.79	up	1183
A_33_P3661309	LOC284669	Homo sapiens cDNA FLJ38794 fis, clone LIVER2003854. [AK096113]	7.39	down	1184
A_24_P728006	XLOC_I2_011874	BROAD Institute lincRNA (XLOC_I2_011874), lincRNA [TCONS_I2_00022670]	3.66	down	1185
A_24_P357536	FBXO11	Homo sapiens F-box protein 11 (FBXO11), transcript variant 4, mRNA [NM_001190274]	2.22	down	1186

A_19_P00805108	LINC01337	Homo sapiens long intergenic non-protein coding RNA 1337 (LINC01337), long non-coding RNA [NR_125754]	4.61	down	1187
A_33_P3254751	ST6GALNAC6	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6 [Source:HGNC Symbol;Acc:HGNC:23364] [ENST00000483353]	3.65	down	1188
A_33_P3312366	TOP3B	Homo sapiens topoisomerase (DNA) III beta (TOP3B), transcript variant 1, mRNA [NM_003935]	2.75	down	1189
A_23_P250245	CD72	Homo sapiens CD72 molecule (CD72), mRNA [NM_001782]	18.40	down	1190
A_33_P3214310	FOXP1	Homo sapiens forkhead box P1 (FOXP1), transcript variant 2, mRNA [NM_001012505]	7.84	down	1191
A_23_P139600	RASAL1	Homo sapiens RAS protein activator like 1 (GAP1 like) (RASAL1), transcript variant 2, mRNA [NM_004658]	38.82	down	1192
A_33_P3217427	DNAJC16	DnaJ (Hsp40) homolog, subfamily C, member 16 [Source:HGNC Symbol;Acc:HGNC:29157] [ENST00000375838]	2.29	down	1193
A_21_P0006717	LOC101060609	PREDICTED: Homo sapiens uncharacterized LOC101060609 (LOC101060609), ncRNA [XR_171875]	42.30	down	1194
A_21_P0011655	PKD1P6	Homo sapiens polycystic kidney disease 1 (autosomal dominant) pseudogene 6 (PKD1P6), non-coding RNA [NR_123722]	2.84	down	1195
A_33_P3239744	LOC150051	PREDICTED: Homo sapiens uncharacterized LOC150051 (LOC150051), misc_RNA [XR_109661]	3.39	down	1196
A_24_P299663	ZBTB18	Homo sapiens zinc finger and BTB domain containing 18 (ZBTB18), transcript variant 2, mRNA [NM_006352]	3.31	down	1197
A_23_P386942	DIRAS1	Homo sapiens DIRAS family, GTP-binding RAS-like 1 (DIRAS1), mRNA [NM_145173]	53.65	down	1198
A_23_P373464	AFF3	Homo sapiens AF4/FMR2 family, member 3 (AFF3), transcript variant 1, mRNA [NM_002285]	85.72	down	1199
A_24_P169896	KIAA1731NL	Homo sapiens KIAA1731 N-terminal like (KIAA1731NL), transcript variant 1, mRNA [NM_001243541]	7.64	down	1200
A_21_P0000190	AFF3	Homo sapiens AF4/FMR2 family, member 3 (AFF3), transcript variant 1, mRNA [NM_002285]	448.65	down	1201
A_24_P918384	NSD1	Homo sapiens nuclear receptor binding SET domain protein 1 (NSD1), transcript variant 2, mRNA [NM_022455]	2.31	down	1202
A_33_P3417215	CD72	CD72 molecule [Source:HGNC Symbol;Acc:HGNC:1696] [ENST00000378431]	10.49	down	1203
A_33_P3271395	LOC100129534	Homo sapiens small nuclear ribonucleoprotein polypeptide N pseudogene (LOC100129534), non-coding RNA [NR_024489]	2.65	down	1204
A_24_P406060	RNF144B	Homo sapiens ring finger protein 144B (RNF144B), mRNA [NM_182757]	188.50	down	1205
A_33_P3379356	ESR1	Homo sapiens estrogen receptor 1 (ESR1), transcript variant 4, mRNA [NM_001122742]	4.47	down	1206
A_21_P0005314	LOC100507468	Homo sapiens uncharacterized LOC100507468 (LOC100507468), long non-coding RNA [NR_108105]	22.36	down	1207
A_23_P40108	COL9A3	Homo sapiens collagen, type IX, alpha 3 (COL9A3), mRNA [NM_001853]	13.62	down	1208
A_21_P0000226	SNORD56B	Homo sapiens small nucleolar RNA, C/D box 56B (SNORD56B), small nucleolar RNA [NR_001276]	5.31	down	1209
A_21_P0000282	SNORD56	Homo sapiens small nucleolar RNA, C/D box 56 (SNORD56), small nucleolar RNA [NR_002739]	4.61	down	1210
A_23_P20876	PTPDC1	Homo sapiens protein tyrosine phosphatase domain containing 1 (PTPDC1), transcript variant 2, mRNA [NM_177995]	3.44	down	1211
A_33_P3416009	DONSON	Homo sapiens cDNA FLJ10412 fis, clone NT2RP1000040. [AK001274]	4.67	down	1212
A_33_P3209960	RASGRP2	Homo sapiens RAS guanyl releasing protein 2 (calcium and DAG-regulated) (RASGRP2), transcript variant 2, mRNA [NM_153819]	28.88	down	1213
A_33_P3209962	RASGRP2	Homo sapiens RAS guanyl releasing protein 2 (calcium and DAG-regulated) (RASGRP2), transcript variant 2, mRNA [NM_153819]	32.17	down	1214
A_33_P3301524	XRCC3	Homo sapiens X-ray repair complementing defective repair in Chinese hamster cells 3 (XRCC3), transcript variant 1, mRNA [NM_001100119]	2.33	down	1215
A_23_P78372	THOC1	Homo sapiens THO complex 1 (THOC1), mRNA [NM_005131]	2.83	down	1216
A_21_P0014189			18.68	down	1217
A_21_P0000216	SNORD36C	Homo sapiens small nucleolar RNA, C/D box 36C (SNORD36C), small nucleolar RNA [NR_000016]	2.85	down	1218
A_24_P101786	THADA	Homo sapiens thyroid adenoma associated (THADA), transcript variant 5, mRNA [NM_001271644]	2.08	down	1219
A_33_P3306397	CIAO1	Homo sapiens cytosolic iron-sulfur assembly component 1 (CIAO1), mRNA [NM_004804]	2.75	down	1220
A_23_P300100	PLA2G2D	phospholipase A2, group IID [Source:HGNC Symbol;Acc:HGNC:9033] [ENST00000375105]	3.44	down	1221
A_33_P3372640	ZNF891	Homo sapiens zinc finger protein 891 (ZNF891), mRNA [NM_001272791]	9.18	down	1222
A_23_P160354	AKT3	Homo sapiens v-akt murine thymoma viral oncogene homolog 3 (AKT3), transcript variant 2, mRNA [NM_181690]	4.78	down	1223
A_24_P215475	ZNF10	Homo sapiens zinc finger protein 10 (ZNF10), mRNA [NM_015394]	8.55	down	1224
A_33_P3312034			37.48	down	1225
A_33_P3398946	IRF2BP1	Homo sapiens interferon regulatory factor 2 binding protein 1 (IRF2BP1), mRNA [NM_015649]	2.05	down	1226
A_24_P410605	ROR1	Homo sapiens receptor tyrosine kinase-like orphan receptor 1 (ROR1), transcript variant 2, mRNA [NM_001083592]	9.46	down	1227
A_19_P00800681		Prader Willi/Angelman region RNA 6 [Source:HGNC Symbol;Acc:HGNC:49129] [ENST00000552334]	2.55	down	1228
A_19_P00803019		Prader Willi/Angelman region RNA 6 [Source:HGNC Symbol;Acc:HGNC:49129] [ENST00000552334]	2.76	down	1229
A_33_P3290567	WEE1	Homo sapiens WEE1 G2 checkpoint kinase (WEE1), transcript variant 1, mRNA [NM_003390]	3.86	down	1230
A_23_P5757	TPRKB	Homo sapiens TP53RK binding protein (TPRKB), mRNA [NM_016058]	2.19	down	1231
A_33_P3311160		Synthetic construct DNA, clone: pF1KA0197, Homo sapiens NUP160 gene for nucleoporin 160kDa, complete cds, without stop codon, in Flexi system. [AB385295]	2.60	down	1232
A_23_P203949	DDX11	Homo sapiens DEAD/H (Asp-Glu-Ala-Asp/His) box helicase 11 (DDX11), transcript variant 1, mRNA [NM_030653]	2.90	down	1233
A_23_P203947	DDX11	Homo sapiens DEAD/H (Asp-Glu-Ala-Asp/His) box helicase 11 (DDX11), transcript variant 1, mRNA [NM_030653]	2.68	down	1234
A_23_P59528	ACN9	Homo sapiens ACN9 homolog (S. cerevisiae) (ACN9), mRNA [NM_020186]	3.30	down	1235
A_21_P0005618			2.55	down	1236
A_19_P00808213	ZNF678	Homo sapiens zinc finger protein 678 (ZNF678), transcript variant 1, mRNA [NM_178549]	5.08	down	1237
A_19_P00803342	ZNF678	Homo sapiens zinc finger protein 678 (ZNF678), transcript variant 1, mRNA [NM_178549]	4.78	down	1238
A_19_P00317449	ZNF678	Homo sapiens zinc finger protein 678 (ZNF678), transcript variant 1, mRNA [NM_178549]	4.75	down	1239
A_23_P124438	ZNF718	Homo sapiens zinc finger protein 718 (ZNF718), transcript variant 1, mRNA [NM_001039127]	4.12	down	1240
A_21_P0011741	XLOC_I2_007033	BROAD Institute lincRNA (XLOC_I2_007033), lincRNA [TCONS_I2_00013067]	3.32	down	1241
A_21_P0004379	lnc-TTC33-1	LNCipedia lincRNA (lnc-TTC33-1), lincRNA [lnc-TTC33-1:1]	3.70	down	1242
A_23_P133359	ZFP2	Homo sapiens ZFP2 zinc finger protein (ZFP2), mRNA [NM_030613]	10.40	down	1243
A_23_P126706	ANGPTL1	Homo sapiens angiopoietin-like 1 (ANGPTL1), mRNA [NM_004673]	6.31	down	1244
A_33_P3287195		Homo sapiens clone FP18376 unknown mRNA. [AY129018]	3.76	down	1245
A_24_P113041	RTKN2	Homo sapiens rhotekin 2 (RTKN2), transcript variant 1, mRNA [NM_145307]	43.42	down	1246
A_33_P3243832	ZEB2	Homo sapiens zinc finger E-box binding homeobox 2 (ZEB2), transcript variant 1, mRNA [NM_014795]	25.99	down	1247
A_33_P3828101	CCDC112	Homo sapiens coiled-coil domain containing 112 (CCDC112), transcript variant 2, mRNA [NM_152549]	18.35	down	1248

A_24_P394698	ORC5	Homo sapiens origin recognition complex, subunit 5 (ORC5), transcript variant 2, mRNA [NM_181747]	2.07	down	1249
A_24_P360722	DIP2C	Homo sapiens DIP2 disco-interacting protein 2 homolog C (Drosophila) (DIP2C), mRNA [NM_014974]	66.46	down	1250
A_33_P3372859	DDX54	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 54 (DDX54), transcript variant 1, mRNA [NM_001111322]	2.57	down	1251
A_24_P72750	SPIN1	Homo sapiens spindlin 1 (SPIN1), mRNA [NM_006717]	2.08	down	1252
A_33_P3217485	ZNF705A	Homo sapiens zinc finger protein 705A (ZNF705A), mRNA [NM_001004328]	3.17	down	1253
A_33_P3385782	ZNF713	Homo sapiens zinc finger protein 713 (ZNF713), mRNA [NM_182633]	3.66	down	1254
A_33_P3299254	VPREB3	Homo sapiens pre-B lymphocyte 3 (VPREB3), mRNA [NM_013378]	14.52	down	1255
A_33_P3401990	VPREB3	Homo sapiens pre-B lymphocyte 3 (VPREB3), mRNA [NM_013378]	15.15	down	1256
A_23_P9319	SPIN1	Homo sapiens spindlin 1 (SPIN1), mRNA [NM_006717]	2.01	down	1257
A_32_P50123	SRGAP2B	Homo sapiens SLIT-ROBO Rho GTPase activating protein 2B (SRGAP2B), mRNA [NM_001271870]	4.05	down	1258
A_33_P3375467	GPLD1	Homo sapiens glycosylphosphatidylinositol specific phospholipase D1 (GPLD1), mRNA [NM_001503]	6.35	down	1259
A_21_P0011107	ZNF891	Homo sapiens zinc finger protein 891 (ZNF891), mRNA [NM_001272791]	3.15	down	1260
A_33_P3246283	VAC14	Vac14 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:25507] [ENST00000571759]	2.41	down	1261
A_23_P210829	PCMTD2	Homo sapiens protein-L-isopartate (D-aspartate) O-methyltransferase domain containing 2 (PCMTD2), transcript variant 1, mRNA [NM_018257]	3.28	down	1262
A_23_P34946	DIEXF	Homo sapiens digestive organ expansion factor homolog (zebrafish) (DIEXF), mRNA [NM_014388]	2.38	down	1263
A_33_P3372705	SRGAP2B	Homo sapiens SLIT-ROBO Rho GTPase activating protein 2B (SRGAP2B), mRNA [NM_001271870]	2.81	down	1264
A_24_P102880	NAV1	Homo sapiens neuron navigator 1 (NAV1), transcript variant 1, mRNA [NM_020443]	7.24	down	1265
A_21_P0005568	lnc-AC004980.12.1-1	lncRNA [lnc-AC004980.12.1-1], lincRNA [lnc-AC004980.12.1-1:1]	4.90	down	1266
A_33_P3368139	MAP3K1	Homo sapiens mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase (MAP3K1), mRNA [NM_005921]	3.58	down	1267
A_21_P0007051	lnc-APBB1IP-1	lncRNA [lnc-APBB1IP-1], lincRNA [lnc-APBB1IP-1:4]	2.91	down	1268
A_33_P3401119	NUTM2F	Homo sapiens NUT family member 2F (NUTM2F), mRNA [NM_017561]	2.86	down	1269
A_23_P128375	FAM222A	Homo sapiens family with sequence similarity 222, member A (FAM222A), mRNA [NM_032829]	7.17	down	1270
A_33_P3381666	ABLIM2	Homo sapiens actin binding LIM protein family, member 2 (ABLIM2), transcript variant 7, mRNA [NM_001130088]	25.04	down	1271
A_23_P128351	CRACR2A	Homo sapiens calcium release activated channel regulator 2A (CRACR2A), transcript variant 3, mRNA [NM_032680]	2.06	down	1272
A_23_P71727	CKS2	Homo sapiens CDC28 protein kinase regulatory subunit 2 (CKS2), mRNA [NM_001827]	2.63	down	1273
A_33_P3650491	LMCD1-AS1	Homo sapiens LMCD1 antisense RNA 1 (head to head) (LMCD1-AS1), long non-coding RNA [NR_033378]	6.09	down	1274
A_23_P1387	ARHGAP19	Homo sapiens Rho GTPase activating protein 19 (ARHGAP19), transcript variant 1, mRNA [NM_032900]	2.59	down	1275
A_24_P723735		zinc finger protein 720 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:34505] [ENST00000562403]	2.32	down	1276
A_24_P54131	DCLRE1B	Homo sapiens DNA cross-link repair 1B (DCLRE1B), mRNA [NM_022836]	2.60	down	1277
A_21_P0013987	LOC100509780	Homo sapiens cDNA FLJ25713 fis, clone TST05089. [AK098579]	4.97	down	1278
A_23_P302654	CEP72	Homo sapiens centrosomal protein 72kDa (CEP72), mRNA [NM_018140]	3.68	down	1279
A_33_P3388067	ZNF735	Homo sapiens zinc finger protein 735 (ZNF735), mRNA [NM_001159524]	3.41	down	1280
A_33_P3411025	ARHGAP19	Homo sapiens Rho GTPase activating protein 19 (ARHGAP19), transcript variant 2, mRNA [NM_001204300]	2.39	down	1281
A_23_P13554	ALG8	Homo sapiens ALG8, alpha-1,3-glucosyltransferase (ALG8), transcript variant 2, mRNA [NM_001007027]	2.91	down	1282
A_33_P3219475	MSANTD3-TMEFF1	Homo sapiens MSANTD3-TMEFF1 readthrough (MSANTD3-TMEFF1), mRNA [NM_001198812]	10.81	down	1283
A_21_P0006245	LOC102724193	PREDICTED: Homo sapiens uncharacterized LOC102724193 (LOC102724193), ncRNA [XR_428621]	3.08	down	1284
A_23_P35467	CISD1	Homo sapiens CDGSH iron sulfur domain 1 (CISD1), mRNA [NM_018464]	2.02	down	1285
A_33_P3261132	CYCSP52	Homo sapiens cytochrome c, somatic pseudogene 52 (CYCSP52), non-coding RNA [NR_001560]	2.73	down	1286
A_33_P3407256	TRIP13	Homo sapiens thyroid hormone receptor interactor 13 (TRIP13), transcript variant 2, mRNA [NM_001166260]	2.74	down	1287
A_23_P135326	POLE3	Homo sapiens polymerase (DNA directed), epsilon 3, accessory subunit (POLE3), transcript variant 1, mRNA [NM_017443]	4.04	down	1288
A_33_P3360942	SCAMP1	Homo sapiens secretory carrier membrane protein 1 (SCAMP1), transcript variant 1, mRNA [NM_004866]	3.06	down	1289
A_23_P155830	TBC1D14	Homo sapiens TBC1 domain family, member 14 (TBC1D14), transcript variant 1, mRNA [NM_020773]	2.17	down	1290
A_21_P0010588	XLOC_I2_000706	BROAD Institute lincRNA (XLOC_I2_000706), lincRNA [TCONS_I2_00000939]	28.83	down	1291
A_24_P263786		immunoglobulin kappa variable 2D-30 [Source:HGNC Symbol;Acc:HGNC:5801] [ENST00000474213]	7.24	down	1292
A_21_P0002483		PREDICTED: Homo sapiens uncharacterized LOC100506473 (LOC100506473), transcript variant X1, ncRNA [XR_109933]	3.25	down	1293
A_33_P3287502	MSH2	Homo sapiens mutS homolog 2 (MSH2), transcript variant 1, mRNA [NM_000251]	2.95	down	1294
A_21_P0010168	LINC01424	Homo sapiens long intergenic non-protein coding RNA 1424 (LINC01424), long non-coding RNA [NR_109928]	5.19	down	1295
A_33_P3315724			6.60	down	1296
A_21_P0012011	ANKRD36BP2	ankyrin repeat domain 36B pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:33607] [ENST00000454490]	4.51	down	1297
A_24_P65098	TMEM87A	Homo sapiens transmembrane protein 87A (TMEM87A), transcript variant 2, mRNA [NM_001110503]	3.01	down	1298
A_32_P34138	FAM25A	Homo sapiens family with sequence similarity 25, member A (FAM25A), mRNA [NM_001146157]	2.20	down	1299
A_23_P208310	CD3EAP	Homo sapiens CD3e molecule, epsilon associated protein (CD3EAP), transcript variant 2, mRNA [NM_012099]	3.01	down	1300
A_23_P43276	GPR124	Homo sapiens G protein-coupled receptor 124 (GPR124), mRNA [NM_032777]	6.16	down	1301
A_23_P165937	DSN1	Homo sapiens DSN1, MIS12 kinetochore complex component (DSN1), transcript variant 3, mRNA [NM_024918]	2.60	down	1302
A_32_P82189	FAM161A	Homo sapiens family with sequence similarity 161, member A (FAM161A), transcript variant 2, mRNA [NM_032180]	4.40	down	1303
A_33_P3253528	MED20	Homo sapiens mediator complex subunit 20 (MED20), mRNA [NM_004275]	2.88	down	1304
A_33_P3407691			14.43	down	1305
A_23_P212844	TACC3	Homo sapiens transforming, acidic coiled-coil containing protein 3 (TACC3), mRNA [NM_006342]	2.90	down	1306
A_33_P3363260	PGM2L1	Homo sapiens phosphoglucomutase 2-like 1 (PGM2L1), mRNA [NM_173582]	10.71	down	1307
A_23_P28953	DNMT3B	Homo sapiens DNA (cytosine-5)-methyltransferase 3 beta (DNMT3B), transcript variant 6, mRNA [NM_175850]	8.55	down	1308

A_24_P328872	CCT5	Homo sapiens chaperonin containing TCP1, subunit 5 (epsilon) (CCT5), mRNA [NM_012073]	3.47	down	1309
A_24_P941557	MVB12B	Homo sapiens multivesicular body subunit 12B (MVB12B), transcript variant 2, mRNA [NM_001011703]	3.29	down	1310
A_23_P88278	RPGRIP1	Homo sapiens retinitis pigmentosa GTPase regulator interacting protein 1 (RPGRIP1), mRNA [NM_020366]	11.10	down	1311
A_23_P259741	SATB1	Homo sapiens SATB homeobox 1 (SATB1), transcript variant 1, mRNA [NM_002971]	13.03	down	1312
A_23_P155857	NUDT6	Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 6 (NUDT6), transcript variant 2, mRNA [NM_198041]	3.37	down	1313
A_33_P3384578	C1orf220	chromosome 1 open reading frame 220 [Source:HGNC Symbol;Acc:HGNC:33805] [ENST00000367638]	5.53	down	1314
A_24_P139191	ITCH	Homo sapiens itchy E3 ubiquitin protein ligase (ITCH), transcript variant 2, mRNA [NM_031483]	2.45	down	1315
A_23_P16058	ZNF296	Homo sapiens zinc finger protein 296 (ZNF296), mRNA [NM_145288]	2.46	down	1316
A_33_P3417318	ZNF891	Homo sapiens zinc finger protein 891 (ZNF891), mRNA [NM_001277291]	2.86	down	1317
A_33_P3391097	POLM	Homo sapiens cDNA FLJ35482 fis, clone SMINT2008133. [AK092801]	3.05	down	1318
A_33_P3349466	ANKRD12	Homo sapiens ankyrin repeat domain 12 (ANKRD12), transcript variant 3, mRNA [NM_001204056]	2.11	down	1319
A_24_P876408	C11orf95	Homo sapiens chromosome 11 open reading frame 95 (C11orf95), mRNA [NM_001144936]	2.66	down	1320
A_33_P3239532	ZNF3	Homo sapiens zinc finger protein 3 (ZNF3), transcript variant 1, mRNA [NM_017715]	2.58	down	1321
A_23_P82249	ABCB8	Homo sapiens ATP-binding cassette, sub-family B (MDR/TAP), member 8 (ABCB8), transcript variant 2, mRNA [NM_007188]	2.19	down	1322
A_24_P385585	TMEM18	Homo sapiens transmembrane protein 18 (TMEM18), mRNA [NM_152834]	2.69	down	1323
A_23_P35782	NAA40	Homo sapiens N(alpha)-acetyltransferase 40, NatD catalytic subunit (NAA40), transcript variant 1, mRNA [NM_024771]	2.63	down	1324
A_21_P0001388	lnc-RALGPS2-2	LNCipedia lincRNA (lnc-RALGPS2-2), lincRNA [lnc-RALGPS2-2:1]	3.30	down	1325
A_24_P156267	SOX12	Homo sapiens SRY (sex determining region Y)-box 12 (SOX12), mRNA [NM_006943]	3.01	down	1326
A_23_P123848	DAB2IP	Homo sapiens DAB2 interacting protein (DAB2IP), transcript variant 1, mRNA [NM_032552]	52.63	down	1327
A_23_P74391	OPN3	Homo sapiens opsin 3 (OPN3), mRNA [NM_014322]	11.91	down	1328
A_33_P3396214	KREMEN2	Homo sapiens kringle containing transmembrane protein 2 (KREMEN2), transcript variant 4, mRNA [NM_172229]	30.67	down	1329
A_33_P3271121			20.74	down	1330
A_21_P0001575	lnc-NOTCH2-2	LNCipedia lincRNA (lnc-NOTCH2-2), lincRNA [lnc-NOTCH2-2:1]	3.80	down	1331
A_23_P57020	GTSF1L	Homo sapiens gametocyte specific factor 1-like (GTSF1L), transcript variant 2, mRNA [NM_001008901]	7.40	down	1332
A_23_P157299	AEBP1	Homo sapiens AE binding protein 1 (AEBP1), mRNA [NM_001129]	401.13	down	1333
A_23_P397341	PAQR4	Homo sapiens progesterin and adipoQ receptor family member IV (PAQR4), transcript variant 1, mRNA [NM_152341]	4.07	down	1334
A_33_P3308716		immunoglobulin lambda variable 4-69 [Source:HGNC Symbol;Acc:HGNC:5921] [ENST00000390282]	8.64	down	1335
A_33_P3263497	SNED1	sushi, nidogen and EGF-like domains 1 [Source:HGNC Symbol;Acc:HGNC:24696] [ENST00000401884]	2.94	down	1336
A_23_P215070	CEP41	Homo sapiens centrosomal protein 41kDa (CEP41), transcript variant 1, mRNA [NM_018718]	3.31	down	1337
A_23_P352435	RGS12	Homo sapiens regulator of G-protein signaling 12 (RGS12), transcript variant 2, mRNA [NM_002926]	10.83	down	1338
A_19_P00322655	FENDRR	Homo sapiens FOXF1 adjacent non-coding developmental regulatory RNA (FENDRR), transcript variant 2, long non-coding RNA [NR_036444]	2.57	down	1339
A_32_P186731	ISM1	Homo sapiens isthmin 1, angiogenesis inhibitor (ISM1), mRNA [NM_080826]	2.23	down	1340
A_24_P100234	MORC2	Homo sapiens MORC family CW-type zinc finger 2 (MORC2), transcript variant 3, mRNA [NM_014941]	2.04	down	1341
A_24_P202139	METTL9	Homo sapiens methyltransferase like 9 (METTL9), transcript variant 1, mRNA [NM_016025]	2.54	down	1342
A_33_P3382177	TIMP2	Homo sapiens TIMP metalloproteinase inhibitor 2 (TIMP2), mRNA [NM_003255]	98.43	down	1343
A_23_P404162	HDAC9	Homo sapiens histone deacetylase 9 (HDAC9), transcript variant 3, mRNA [NM_014707]	47.48	down	1344
A_23_P377094	PNMA3	Homo sapiens paraneoplastic Ma antigen 3 (PNMA3), transcript variant 1, mRNA [NM_013364]	5.54	down	1345
A_23_P5853	SAG	Homo sapiens S-antigen; retina and pineal gland (arrestin) (SAG), mRNA [NM_000541]	14.59	down	1346
A_21_P0001004		UI-CF-FNO-aen-a-01-U1.1 UI-CF-FNO Homo sapiens cDNA clone UI-CF-FNO-aen-a-01-U1 3', mRNA sequence [CB306805]	3.71	down	1347
A_33_P3304655	LTBP1	Homo sapiens latent transforming growth factor beta binding protein 1 (LTBP1), transcript variant 1, mRNA [NM_206943]	9.22	down	1348
A_21_P0005592		PREDICTED: Homo sapiens uncharacterized LOC102723672 (LOC102723672), ncRNA [XR_426123]	27.39	down	1349
A_21_P0006563	ZC3H12B	zinc finger CCCH-type containing 12B [Source:HGNC Symbol;Acc:HGNC:17407] [ENST00000617377]	18.50	down	1350
A_21_P0010302	lnc-C21orf67-1	LNCipedia lincRNA (lnc-C21orf67-1), lincRNA [lnc-C21orf67-1:2]	2.66	down	1351
A_23_P53081	OSBPL5	Homo sapiens oxysterol binding protein-like 5 (OSBPL5), transcript variant 1, mRNA [NM_020896]	44.47	down	1352
A_24_P802145	IRS1	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]	15.45	down	1353
A_23_P304897	BDKRB2	Homo sapiens bradykinin receptor B2 (BDKRB2), mRNA [NM_000623]	80.01	down	1354
A_32_P170749	STAG3	Homo sapiens stromal antigen 3 (STAG3), transcript variant 4, mRNA [NM_001282718]	2.43	down	1355
A_33_P3336780	ABCB8	Homo sapiens ATP-binding cassette, sub-family B (MDR/TAP), member 8 (ABCB8), transcript variant 1, mRNA [NM_00128291]	3.83	down	1356
A_33_P3570208	LPP-AS2	Homo sapiens LPP antisense RNA 2 (LPP-AS2), long non-coding RNA [NR_036497]	4.13	down	1357
A_23_P168551	SLC29A4	Homo sapiens solute carrier family 29 (equilibrative nucleoside transporter), member 4 (SLC29A4), transcript variant 1, mRNA [NM_001040661]	2.22	down	1358
A_33_P3259943	PLBD1-AS1	Homo sapiens PLBD1 antisense RNA 1 (PLBD1-AS1), long non-coding RNA [NR_120465]	9.70	down	1359
A_32_P9986	lnc-PHF10-1	LNCipedia lincRNA (lnc-PHF10-1), lincRNA [lnc-PHF10-1:3]	7.90	down	1360
A_24_P556318	SAA3P	Homo sapiens serum amyloid A3 pseudogene (SAA3P), non-coding RNA [NR_026576]	4.40	down	1361
A_24_P376391	PLXND1	Homo sapiens plexin D1 (PLXND1), mRNA [NM_015103]	39.62	down	1362
A_23_P40194	DDX27	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 27 (DDX27), mRNA [NM_017895]	2.02	down	1363
A_33_P3227788	PANK1	Homo sapiens pantothenate kinase 1 (PANK1), transcript variant alpha, mRNA [NM_148977]	5.35	down	1364
A_24_P322474	PDE4A	Homo sapiens phosphodiesterase 4A, cAMP-specific (PDE4A), transcript variant 4, mRNA [NM_006202]	5.25	down	1365
A_21_P0010270			18.73	down	1366
A_24_P407930	SEH1L	Homo sapiens SEH1-like (S. cerevisiae) (SEH1L), transcript variant 2, mRNA [NM_031216]	2.80	down	1367
A_23_P210747	TRMT6	Homo sapiens tRNA methyltransferase 6 (TRMT6), transcript variant 1, mRNA [NM_015939]	2.50	down	1368
A_33_P3287610		immunoglobulin lambda variable 3-12 [Source:HGNC Symbol;Acc:HGNC:5898] [ENST00000390313]	4.06	down	1369
A_33_P3783235		Homo sapiens cDNA FLJ37785 fis, clone BRHIP2028330. [AK095104]	18.98	down	1370
A_21_P0011153	XLOC_I2_003803	BROAD Institute lincRNA (XLOC_I2_003803), lincRNA [TCONS_I2_00006951]	44.76	down	1371

A_23_P379692	C14orf178	Homo sapiens chromosome 14 open reading frame 178 (C14orf178), transcript variant 1, mRNA [NM_174943]	11.51	down	1372
A_33_P3293474	OPN3	Homo sapiens ops3 (OPN3), mRNA [NM_014322]	3.63	down	1373
A_21_P0000500	SNORD86	Homo sapiens small nucleolar RNA, C/D box 86 (SNORD86), small nucleolar RNA [NR_004399]	5.76	down	1374
A_23_P209904	GPC1	Homo sapiens glypican 1 (GPC1), mRNA [NM_002081]	3.28	down	1375
A_33_P3424577		T cell receptor beta constant 1 [Source:HGNC Symbol;Acc:HGNC:12156] [ENST00000613594]	40.26	down	1376
A_33_P3260654		T cell receptor beta constant 1 [Source:HGNC Symbol;Acc:HGNC:12156] [ENST00000610439]	67.56	down	1377
A_24_P712562	C17orf67	Homo sapiens chromosome 17 open reading frame 67 (C17orf67), mRNA [NM_001085430]	6.43	down	1378
A_24_P16856	AKAP17A	A kinase (PRKA) anchor protein 17A [Source:HGNC Symbol;Acc:HGNC:18783] [ENST00000381261]	2.60	down	1379
A_33_P3281437		immunoglobulin kappa variable 1D-8 [Source:HGNC Symbol;Acc:HGNC:5759] [ENST00000471857]	29.48	down	1380
A_23_P82412	NSUN5	Homo sapiens NOP2/Sun domain family, member 5 (NSUN5), transcript variant 1, mRNA [NM_148956]	2.13	down	1381
A_23_P251505	NSUN5	Homo sapiens NOP2/Sun domain family, member 5 (NSUN5), transcript variant 1, mRNA [NM_148956]	2.01	down	1382
A_23_P431305	FAM69B	Homo sapiens family with sequence similarity 69, member B (FAM69B), mRNA [NM_152421]	27.85	down	1383
A_23_P146637	SIGMAR1	Homo sapiens sigma non-opioid intracellular receptor 1 (SIGMAR1), transcript variant 1, mRNA [NM_005866]	3.60	down	1384
A_33_P3302220	NR2C1	Homo sapiens nuclear receptor subfamily 2, group C, member 1 (NR2C1), transcript variant 2, mRNA [NM_001032287]	2.13	down	1385
A_23_P252145	C1GALT1	Homo sapiens core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1 (C1GALT1), mRNA [NM_020156]	3.05	down	1386
A_33_P3251227	C1GALT1	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:24337] [ENST00000402468]	3.09	down	1387
A_33_P3347132	EXOSC2	Homo sapiens exosome component 2 (EXOSC2), transcript variant 1, mRNA [NM_014285]	2.67	down	1388
A_33_P3233005	MBTD1	Homo sapiens mbt domain containing 1 (MBTD1), mRNA [NM_017643]	2.26	down	1389
A_33_P3249214	CNOT6L	Homo sapiens CCR4-NOT transcription complex, subunit 6-like (CNOT6L), transcript variant 1, mRNA [NM_001286790]	3.83	down	1390
A_23_P201376	SSX2IP	Homo sapiens synovial sarcoma, X breakpoint 2 interacting protein (SSX2IP), transcript variant 5, mRNA [NM_014021]	3.94	down	1391
A_23_P26895	TUBD1	Homo sapiens tubulin, delta 1 (TUBD1), transcript variant 1, mRNA [NM_016261]	3.25	down	1392
A_23_P104692	PELI3	Homo sapiens pellino E3 ubiquitin protein ligase family member 3 (PELI3), transcript variant 1, mRNA [NM_145065]	5.42	down	1393
A_21_P0007178	lnc-PDE3B-1	LNCipedia lincRNA (lnc-PDE3B-1), lincRNA [lnc-PDE3B-1:1]	13.59	down	1394
A_23_P28688	CPSF3	Homo sapiens cleavage and polyadenylation specific factor 3, 73kDa (CPSF3), mRNA [NM_016207]	2.26	down	1395
A_33_P3310286		Q3SYN7_HUMAN (Q3SYN7) Lamin B1, partial (13%) [THC2730129]	2.53	down	1396
A_33_P3366195	ARNT2	Homo sapiens aryl-hydrocarbon receptor nuclear translocator 2 (ARNT2), mRNA [NM_014862]	2.57	down	1397
A_23_P209619	ATL2	Homo sapiens atlastin GTPase 2 (ATL2), transcript variant 1, mRNA [NM_022374]	2.68	down	1398
A_24_P80776	SMIM13	Homo sapiens small integral membrane protein 13 (SMIM13), mRNA [NM_001135575]	3.43	down	1399
A_24_P263703	PP12708	Homo sapiens pp12708 mRNA, complete cds. [AF318327]	2.14	down	1400
A_32_P517749	RPS6KA3	Homo sapiens ribosomal protein S6 kinase, 90kDa, polypeptide 3 (RPS6KA3), mRNA [NM_004586]	3.10	down	1401
A_23_P200792	NOTCH2	Homo sapiens notch 2 (NOTCH2), transcript variant 1, mRNA [NM_024408]	46.24	down	1402
A_21_P0014662	LOC100507395	PREDICTED: Homo sapiens uncharacterized LOC100507395 (LOC100507395), ncRNA [XR_424061]	8.22	down	1403
A_24_P413126	PMEP1A	Homo sapiens prostate transmembrane protein, androgen induced 1 (PMEP1A), transcript variant 1, mRNA [NM_020182]	42.88	down	1404
A_24_P168398	ZNF177	Homo sapiens zinc finger protein 177 (ZNF177), transcript variant 3, mRNA [NM_003451]	10.86	down	1405
A_33_P3248439	MVB12B	Homo sapiens multivesicular body subunit 12B (MVB12B), transcript variant 1, mRNA [NM_033446]	542.81	down	1406
A_33_P3304983	PRKAR2B	Homo sapiens protein kinase, cAMP-dependent, regulatory, type II, beta (PRKAR2B), mRNA [NM_002736]	55.53	down	1407
A_23_P215778	DUS4L	Homo sapiens dihydrouridine synthase 4-like (S. cerevisiae) (DUS4L), transcript variant 1, mRNA [NM_181581]	2.75	down	1408
A_32_P24709	ZFP69	Homo sapiens ZFP69 zinc finger protein (ZFP69), mRNA [NM_198494]	20.41	down	1409
A_19_P00805702	C1GALT1	Homo sapiens core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1 (C1GALT1), mRNA [NM_020156]	3.06	down	1410
A_23_P26777	NUP85	Homo sapiens nucleoporin 85kDa (NUP85), transcript variant 1, mRNA [NM_024844]	2.28	down	1411
A_33_P3281333	SNTB2	Homo sapiens syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2) (SNTB2), mRNA [NM_006750]	2.22	down	1412
A_21_P0001480	lnc-C1orf201-2	LNCipedia lincRNA (lnc-C1orf201-2), lincRNA [lnc-C1orf201-2:2]	9.51	down	1413
A_24_P181585	LRRRC59	Homo sapiens leucine rich repeat containing 59 (LRRRC59), mRNA [NM_018509]	3.03	down	1414
A_24_P387609	ISCA1	Homo sapiens iron-sulfur cluster assembly 1 (ISCA1), mRNA [NM_030940]	2.25	down	1415
A_23_P59877	FABP5	Homo sapiens fatty acid binding protein 5 (psoriasis-associated) (FABP5), mRNA [NM_001444]	2.28	down	1416
A_33_P3221343	HECTD2	Homo sapiens HECT domain containing E3 ubiquitin protein ligase 2 (HECTD2), transcript variant 2, mRNA [NM_173497]	2.58	down	1417
A_24_P25346	CIRH1A	Homo sapiens cirrhosis, autosomal recessive 1A (cirhin) (CIRH1A), mRNA [NM_032830]	2.25	down	1418
A_23_P417200	TERF2	Homo sapiens telomeric repeat binding factor 2 (TERF2), mRNA [NM_005652]	2.61	down	1419
A_21_P0002772			34.18	down	1420
A_24_P403561	LRP4	Homo sapiens low density lipoprotein receptor-related protein 4 (LRP4), mRNA [NM_002334]	12.73	down	1421
A_24_P778836	RSL1D1	Homo sapiens ribosomal L1 domain containing 1 (RSL1D1), mRNA [NM_015659]	2.56	down	1422
A_23_P154338	EFHD1	Homo sapiens EF-hand domain family, member D1 (EFHD1), transcript variant 1, mRNA [NM_025202]	2.77	down	1423
A_33_P3368049	C1orf233	Homo sapiens chromosome 1 open reading frame 233 (C1orf233), mRNA [NM_001242659]	19.28	down	1424
A_33_P3274209			3.25	down	1425
A_23_P101332	KRI1	Homo sapiens KRI1 homolog (S. cerevisiae) (KRI1), mRNA [NM_023008]	2.05	down	1426
A_33_P3227904	SLC25A34	Homo sapiens solute carrier family 25, member 34 (SLC25A34), mRNA [NM_207348]	2.55	down	1427
A_23_P216766	ISCA1	Homo sapiens iron-sulfur cluster assembly 1 (ISCA1), mRNA [NM_030940]	2.08	down	1428
A_33_P3379701	TRIM36	Homo sapiens tripartite motif-containing 36, mRNA (cDNA clone IMAGE:5015503). [BC017346]	12.81	down	1429
A_33_P3284039		YB1E_SCHPO (P87179) Serine-rich protein C30B4.01c precursor, partial (8%) [THC2494175]	3.57	down	1430
A_23_P156310	SKP2	Homo sapiens S-phase kinase-associated protein 2, E3 ubiquitin protein ligase (SKP2), transcript variant 2, mRNA [NM_032637]	3.01	down	1431
A_23_P165707	LYG1	Homo sapiens lysozyme G-like 1 (LYG1), mRNA [NM_174898]	3.59	down	1432
A_33_P3337931			3.22	down	1433

A_23_P90804	MAP4K4	Homo sapiens mitogen-activated protein kinase kinase kinase kinase 4 (MAP4K4), transcript variant 2, mRNA [NM_145686]	6.51	down	1434
A_33_P3403867	PMEPA1	Homo sapiens prostate transmembrane protein, androgen induced 1 (PMEPA1), transcript variant 1, mRNA [NM_020182]	3.15	down	1435
A_23_P215060	PODXL	Homo sapiens podocalyxin-like (PODXL), transcript variant 1, mRNA [NM_001018111]	43.91	down	1436
A_23_P328323	RAVER2	Homo sapiens ribonucleoprotein, PTB-binding 2 (RAVER2), mRNA [NM_018211]	30.09	down	1437
A_33_P3249589	BCL11A	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 1, mRNA [NM_022893]	62.88	down	1438
A_23_P64058	RASGRP2	Homo sapiens RAS guanyl releasing protein 2 (calcium and DAG-regulated) (RASGRP2), transcript variant 2, mRNA [NM_153819]	9.65	down	1439
A_24_P402588	BCL11A	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 2, mRNA [NM_018014]	111.14	down	1440
A_21_P0014461	LOC102724155	PREDICTED: Homo sapiens uncharacterized LOC102724155 (LOC102724155), ncRNA [XR_425404]	63.47	down	1441
A_21_P0010873	ANTXRLP1	Homo sapiens anthrax toxin receptor-like pseudogene 1 (ANTXRLP1), transcript variant 2, non-coding RNA [NR_103828]	6.31	down	1442
A_21_P0010946	ANTXRLP1	Homo sapiens anthrax toxin receptor-like pseudogene 1 (ANTXRLP1), transcript variant 2, non-coding RNA [NR_103828]	13.11	down	1443
A_19_P00813085	Inc-SNURF-1	LNCipedia lincRNA (Inc-SNURF-1), lincRNA [Inc-SNURF-1:8]	3.53	down	1444
A_24_P673063	FABP5	Homo sapiens fatty acid binding protein 5 (psoriasis-associated) (FABP5), mRNA [NM_001444]	2.23	down	1445
A_23_P147563	PPM1L	Homo sapiens protein phosphatase, Mg <sup>2+</sup> /Mn <sup>2+</sup> dependent, 1L (PPM1L), mRNA [NM_139245]	24.14	down	1446
A_21_P0000715	UNK	Homo sapiens unknempt family zinc finger (UNK), transcript variant 2, non-coding RNA [NR_038131]	2.39	down	1447
A_23_P500501	FGFR3	Homo sapiens fibroblast growth factor receptor 3 (FGFR3), transcript variant 1, mRNA [NM_000142]	29.55	down	1448
A_23_P51397	ENAH	Homo sapiens enabled homolog (Drosophila) (ENAH), transcript variant 1, mRNA [NM_001008493]	141.42	down	1449
A_23_P137984	S100A10	Homo sapiens S100 calcium-binding protein A10 (S100A10), mRNA [NM_002966]	37.66	down	1450
A_23_P94795	TEAD4	Homo sapiens TEA domain family member 4 (TEAD4), transcript variant 1, mRNA [NM_003213]	79.51	down	1451
A_24_P273180	PRAMENP	PRAME N-terminal-like, pseudogene [Source:HGNC Symbol;Acc:HGNC:34302] [ENST00000548391]	32.45	down	1452
A_33_P3527721	LOC284219	Homo sapiens cDNA FLJ37117 fis, clone BRACE2022270. [AK094436]	46.84	down	1453
A_24_P278299	ASB13	Homo sapiens ankyrin repeat and SOCS box containing 13 (ASB13), transcript variant 1, mRNA [NM_024701]	83.70	down	1454
A_24_P216421	DTNB	Homo sapiens dystrobrevin, beta (DTNB), transcript variant 3, mRNA [NM_033148]	10.16	down	1455
A_33_P3380807	TLR9	Homo sapiens toll-like receptor 9 (TLR9), mRNA [NM_017442]	8.56	down	1456
A_24_P6825	ZCCHC18	Homo sapiens zinc finger, CCHC domain containing 18 (ZCCHC18), transcript variant 1, mRNA [NM_001143978]	3.90	down	1457
A_33_P3363245	NXPH4	Homo sapiens neurexophilin 4 (NXPH4), mRNA [NM_007224]	36.52	down	1458
A_23_P19482	DDAH2	Homo sapiens dimethylarginine dimethylaminohydrolase 2 (DDAH2), transcript variant 2, mRNA [NM_013974]	3.84	down	1459
A_23_P89762	PHLPP1	Homo sapiens PH domain and leucine rich repeat protein phosphatase 1 (PHLPP1), mRNA [NM_194449]	25.71	down	1460
A_24_P570583	ZNF542P	Homo sapiens zinc finger protein 542, pseudogene (ZNF542P), transcript variant 4, non-coding RNA [NR_003127]	6.33	down	1461
A_23_P417942	FNBP1L	Homo sapiens formin binding protein 1-like (FNBP1L), transcript variant 1, mRNA [NM_001024948]	50.75	down	1462
A_23_P114349	XAGE3	Homo sapiens X antigen family, member 3 (XAGE3), transcript variant 2, mRNA [NM_130776]	7.83	down	1463
A_33_P3277943	CNOT6L	Homo sapiens CCR4-NOT transcription complex, subunit 6-like (CNOT6L), transcript variant 1, mRNA [NM_001286790]	4.83	down	1464
A_23_P162766	DOCK9	Homo sapiens dedicator of cytokinesis 9 (DOCK9), transcript variant 1, mRNA [NM_015296]	10.97	down	1465
A_23_P200829	SRGAP2	Homo sapiens SLIT-ROBO Rho GTPase activating protein 2 (SRGAP2), transcript variant 1, mRNA [NM_015326]	7.33	down	1466
A_24_P182620	CELSR2	Homo sapiens cadherin, EGF LAG seven-pass G-type receptor 2 (CELSR2), mRNA [NM_001408]	24.63	down	1467
A_23_P161399	MXI1	Homo sapiens MAX interactor 1, dimerization protein (MXI1), transcript variant 2, mRNA [NM_130439]	6.27	down	1468
A_23_P258088	PACSIN1	Homo sapiens protein kinase C and casein kinase substrate in neurons 1 (PACSIN1), transcript variant 1, mRNA [NM_020804]	19.88	down	1469
A_23_P408285	PRICKLE1	Homo sapiens prickle homolog 1 (Drosophila) (PRICKLE1), transcript variant 1, mRNA [NM_153026]	13.22	down	1470
A_19_P00322815	CDKN2B-AS1	Homo sapiens CDKN2B antisense RNA 1 (CDKN2B-AS1), transcript variant 1, long non-coding RNA [NR_003529]	12.19	down	1471
A_33_P3295550	TET1	Homo sapiens tet methylcytosine dioxygenase 1 (TET1), mRNA [NM_030625]	30.69	down	1472
A_23_P28042	ZNF737	Homo sapiens zinc finger protein 737 (ZNF737), mRNA [NM_001159293]	3.37	down	1473
A_24_P200848	SNX13	Homo sapiens sorting nexin 13 (SNX13), mRNA [NM_015132]	2.91	down	1474
A_33_P3291998	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2 [Source:HGNC Symbol;Acc:HGNC:30279] [ENST00000495034]	14.06	down	1475
A_33_P3340385	ZNF43	Homo sapiens zinc finger protein 43 (ZNF43), transcript variant 1, mRNA [NM_001256648]	9.61	down	1476
A_21_P0001296	Inc-CDKN2C-1	LNCipedia lincRNA (Inc-CDKN2C-1), lincRNA [Inc-CDKN2C-1:2]	22.27	down	1477
A_24_P173746	RALGPS2	Homo sapiens Ral GEF with PH domain and SH3 binding motif 2 (RALGPS2), transcript variant 10, mRNA [NM_152663]	54.63	down	1478
A_33_P3292540	CDKN2C	Homo sapiens cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) (CDKN2C), transcript variant 2, mRNA [NM_078626]	33.27	down	1479
A_23_P387585	FAM226A	Homo sapiens family with sequence similarity 226, member A (non-protein coding) (FAM226A), long non-coding RNA [NR_026595]	30.35	down	1480
A_24_P350546	LOC646976	PREDICTED: Homo sapiens uncharacterized LOC646976 (LOC646976), misc_RNA [XR_248659]	50.40	down	1481
A_33_P3255229	SETD7	Homo sapiens cDNA clone IMAGE:5312439. [BC066361]	44.66	down	1482
A_21_P0000590	ZEB2	Homo sapiens zinc finger E-box binding homeobox 2 (ZEB2), transcript variant 3, non-coding RNA [NR_033258]	51.19	down	1483
A_33_P3221313	CENPI	Homo sapiens centromere protein I (CENPI), mRNA [NM_006733]	3.04	down	1484
A_32_P162374	C18orf54	Homo sapiens chromosome 18 open reading frame 54 (C18orf54), transcript variant 3, mRNA [NM_173529]	4.27	down	1485
A_23_P322756	TET1	Homo sapiens tet methylcytosine dioxygenase 1 (TET1), mRNA [NM_030625]	14.72	down	1486
A_21_P0014387	RFX2	regulatory factor X, 2 (influences HLA class II expression) [Source:HGNC Symbol;Acc:HGNC:9983] [ENST00000587700]	2.84	down	1487
A_23_P118834	TOP2A	Homo sapiens topoisomerase (DNA) II alpha 170kDa (TOP2A), mRNA [NM_001067]	2.50	down	1488
A_23_P96325	ERCC6L	Homo sapiens excision repair cross-complementation group 6-like (ERCC6L), mRNA [NM_017669]	3.79	down	1489
A_23_P57007		Homo sapiens clone HQ0628 PRO0628 mRNA, complete cds. [AF090938]	3.13	down	1490
A_23_P258689	DNAAF5	Homo sapiens dynein, axonemal, assembly factor 5 (DNAAF5), transcript variant 1, mRNA [NM_017802]	2.57	down	1491
A_23_P154840	SOD1	Homo sapiens superoxide dismutase 1, soluble (SOD1), mRNA [NM_000454]	2.16	down	1492
A_21_P0000193	SF3A3	Homo sapiens splicing factor 3a, subunit 3, 60kDa (SF3A3), mRNA [NM_006802]	2.16	down	1493



A_23_P164826	RNASEH2A	Homo sapiens ribonuclease H2, subunit A (RNASEH2A), mRNA [NM_006397]	2.80	down	1494
A_23_P252335	MIS18A	Homo sapiens MIS18 kinetochore protein A (MIS18A), mRNA [NM_018944]	3.39	down	1495
A_23_P23303	EXO1	Homo sapiens exonuclease 1 (EXO1), transcript variant 3, mRNA [NM_003686]	4.04	down	1496
A_32_P171313	GNB4	Homo sapiens guanine nucleotide binding protein (G protein), beta polypeptide 4 (GNB4), mRNA [NM_021629]	122.17	down	1497
A_32_P68533	FAM161A	Homo sapiens family with sequence similarity 161, member A (FAM161A), transcript variant 2, mRNA [NM_032180]	4.01	down	1498
A_23_P424597	C19orf25	Homo sapiens chromosome 19 open reading frame 25 (C19orf25), mRNA [NM_152482]	2.01	down	1499
A_23_P154022	C2orf44	Homo sapiens chromosome 2 open reading frame 44 (C2orf44), transcript variant 1, mRNA [NM_025203]	2.42	down	1500
A_33_P3313825	TGFBR2	PREDICTED: Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant X1, mRNA [XM_006713316]	33.84	down	1501
A_23_P315206	CCBL1	Homo sapiens cysteine conjugate-beta lyase, cytoplasmic (CCBL1), transcript variant 1, mRNA [NM_004059]	3.60	down	1502
A_23_P42695	GGCT	Homo sapiens gamma-glutamylcyclotransferase (GGCT), transcript variant 1, mRNA [NM_024051]	2.01	down	1503
A_23_P25194	HRK	Homo sapiens harakiri, BCL2 interacting protein (HRK), transcript variant 1, mRNA [NM_003806]	161.06	down	1504
A_24_P67534	SMIM10	Homo sapiens small integral membrane protein 10 (SMIM10), mRNA [NM_001163438]	12.23	down	1505
A_33_P3687198	HRK	harakiri, BCL2 interacting protein [Source:HGNC Symbol;Acc:HGNC:5185] [ENST00000257572]	287.49	down	1506
A_24_P206317	HDAC9	Homo sapiens histone deacetylase 9 (HDAC9), transcript variant 1, mRNA [NM_058176]	12.01	down	1507
A_33_P3364646	RASGEF1B	Homo sapiens RasGEF domain family, member 1B (RASGEF1B), transcript variant 1, mRNA [NM_152545]	62.03	down	1508
A_33_P3249414	TRIM58	Homo sapiens tripartite motif containing 58 (TRIM58), mRNA [NM_015431]	2.80	down	1509
A_33_P3226546		HUMDSAEC mitochondrial 3-oxoacyl-CoA thiolase (Homo sapiens) (exp=-1; wgp=0; cg=0), partial (14%) [THC2567789]	2.57	down	1510
A_23_P56798	ACP1	Homo sapiens acid phosphatase 1, soluble (ACP1), transcript variant 3, mRNA [NM_004300]	2.13	down	1511
A_21_P0006975	lnc-DNAJC1-1	LNCipedia lincRNA (lnc-DNAJC1-1), lincRNA [lnc-DNAJC1-1:1]	2.14	down	1512
A_24_P103264	UGT8	Homo sapiens UDP glycosyltransferase 8 (UGT8), transcript variant 2, mRNA [NM_003360]	21.89	down	1513
A_33_P3335147	MURC	Homo sapiens muscle-related coiled-coil protein (MURC), mRNA [NM_001018116]	22.88	down	1514
A_33_P3327608	EML6	Homo sapiens echinoderm microtubule associated protein like 6 (EML6), mRNA [NM_001039753]	23.35	down	1515
A_24_P100517	SAPCD2	Homo sapiens suppressor APC domain containing 2 (SAPCD2), mRNA [NM_178448]	3.69	down	1516
A_24_P51909	CPLX1	Homo sapiens complexin 1 (CPLX1), mRNA [NM_006651]	34.87	down	1517
A_23_P115861	ZNF485	Homo sapiens zinc finger protein 485 (ZNF485), mRNA [NM_145312]	2.62	down	1518
A_23_P142560	ZEB2	Homo sapiens zinc finger E-box binding homeobox 2 (ZEB2), transcript variant 1, mRNA [NM_014795]	30.77	down	1519
A_33_P3251369	GAB3	Homo sapiens GRB2-associated binding protein 3 (GAB3), transcript variant 1, mRNA [NM_001081573]	13.14	down	1520
A_23_P73457	RUFY1	Homo sapiens RUN and FYVE domain containing 1 (RUFY1), transcript variant 1, mRNA [NM_025158]	3.09	down	1521
A_23_P43726	NUP160	Homo sapiens nucleoporin 160kDa (NUP160), mRNA [NM_015231]	3.12	down	1522
A_23_P255126	GAB3	Homo sapiens GRB2-associated binding protein 3 (GAB3), transcript variant 2, mRNA [NM_080612]	10.24	down	1523
A_23_P53763	KIAA0226L	Homo sapiens KIAA0226-like (KIAA0226L), transcript variant 1, mRNA [NM_025113]	219.02	down	1524
A_24_P813147	TUBB8	Homo sapiens tubulin, beta 8 class VIII (TUBB8), mRNA [NM_177987]	2.75	down	1525
A_24_P303589	CUL1	Homo sapiens cullin 1 (CUL1), mRNA [NM_003592]	2.46	down	1526
A_33_P3221978			2.22	down	1527
A_23_P215449	BAZ1B	Homo sapiens bromodomain adjacent to zinc finger domain, 1B (BAZ1B), mRNA [NM_032408]	2.17	down	1528
A_33_P3247072			11.74	down	1529
A_23_P99226	SIRT4	Homo sapiens sirtuin 4 (SIRT4), mRNA [NM_012240]	7.26	down	1530
A_21_P0006090		PREDICTED: Homo sapiens uncharacterized LOC100507103 (LOC100507103), ncRNA [XR_108974]	4.81	down	1531
A_21_P0011037	XLOC_I2_002886	BROAD Institute lincRNA (XLOC_I2_002886), lincRNA [TCONS_I2_00005503]	12.13	down	1532
A_33_P3369844	CD24	Homo sapiens CD24 molecule (CD24), transcript variant 1, mRNA [NM_013230]	434.14	down	1533
A_23_P132175	RTN4R	Homo sapiens reticulon 4 receptor (RTN4R), mRNA [NM_023004]	5.83	down	1534
A_33_P3319041	HMGB3	Homo sapiens high mobility group box 3 (HMGB3), transcript variant 1, mRNA [NM_001301228]	4.28	down	1535
A_23_P370625	SEPN1	Homo sapiens selenoprotein N, 1 (SEPN1), transcript variant 1, mRNA [NM_020451]	3.40	down	1536
A_23_P168403	KCNH2	Homo sapiens potassium voltage-gated channel, subfamily H (eag-related), member 2 (KCNH2), transcript variant 1, mRNA [NM_000238]	83.33	down	1537
A_23_P394567	KIAA1467	Homo sapiens KIAA1467 (KIAA1467), mRNA [NM_020853]	5.06	down	1538
A_21_P0005765			5.55	down	1539
A_23_P100660	SERPINF1	Homo sapiens serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1 (SERPINF1), mRNA [NM_002615]	28.19	down	1540
A_23_P43810	LTBP1	Homo sapiens latent transforming growth factor beta binding protein 1 (LTBP1), transcript variant 1, mRNA [NM_206943]	35.24	down	1541
A_33_P3226377	PRH2	Homo sapiens proline-rich protein HaellI subfamily 2 (PRH2), transcript variant 1, mRNA [NM_005042]	2.10	down	1542
A_23_P333705	NEK3	Homo sapiens NIMA-related kinase 3 (NEK3), transcript variant 1, mRNA [NM_002498]	2.79	down	1543
A_23_P311144	CCDC138	Homo sapiens coiled-coil domain containing 138 (CCDC138), transcript variant 1, mRNA [NM_144978]	2.81	down	1544
A_33_P3282988		AGENCOURT_8099939 Lupski_sympathetic_trunk Homo sapiens cDNA clone IMAGE:6190263 5', mRNA sequence [BQ719082]	7.41	down	1545
A_33_P3295154		Homo sapiens cDNA FLJ13769 fis, clone PLACE4000222. [AK023831]	11.53	down	1546
A_23_P98022	SIRT1	Homo sapiens sirtuin 1 (SIRT1), transcript variant 1, mRNA [NM_012238]	2.64	down	1547
A_21_P0000349	SCARNA3	Homo sapiens small Cajal body-specific RNA 3 (SCARNA3), guide RNA [NR_002998]	2.57	down	1548
A_33_P3219572			51.80	down	1549
A_24_P251841	SETD7	Homo sapiens SET domain containing (lysine methyltransferase) 7 (SETD7), mRNA [NM_030648]	62.95	down	1550
A_33_P3413083	RHEB	Homo sapiens Ras homolog enriched in brain (RHEB), mRNA [NM_005614]	3.37	down	1551
A_23_P28015	ZNF558	zinc finger protein 558 [Source:HGNC Symbol;Acc:HGNC:26422] [ENST00000301475]	23.10	down	1552
A_32_P231493	DOCK9-AS2	Homo sapiens DOCK9 antisense RNA 2 (head to head) (DOCK9-AS2), long non-coding RNA [NR_047482]	23.33	down	1553
A_24_P363408	HEY2	Homo sapiens hes-related family bHLH transcription factor with YRPW motif 2 (HEY2), mRNA [NM_012259]	11.43	down	1554
A_23_P12526	TP53BP2	Homo sapiens tumor protein p53 binding protein 2 (TP53BP2), transcript variant 2, mRNA [NM_005426]	3.59	down	1555
A_23_P14165	GPR18	Homo sapiens G protein-coupled receptor 18 (GPR18), transcript variant 1, mRNA [NM_005292]	79.45	down	1556
A_23_P401361	PITPNM2	Homo sapiens phosphatidylinositol transfer protein, membrane-associated 2 (PITPNM2), transcript variant 1, mRNA [NM_020845]	69.67	down	1557

A_23_P31414	ORC5	Homo sapiens origin recognition complex, subunit 5 (ORC5), transcript variant 1, mRNA [NM_002553]	2.02	down	1558
A_33_P3323188	LOC728743	Homo sapiens zinc finger protein pseudogene (LOC728743), non-coding RNA [NR_027237]	4.89	down	1559
A_24_P115007	ALDH5A1	Homo sapiens aldehyde dehydrogenase 5 family, member A1 (ALDH5A1), transcript variant 1, mRNA [NM_170740]	5.56	down	1560
A_21_P0009395	lnc-AMZ2-1	LNCipedia lincRNA (lnc-AMZ2-1), lincRNA [lnc-AMZ2-1:3]	9.29	down	1561
A_23_P114947	RGS2	Homo sapiens regulator of G-protein signaling 2 (RGS2), mRNA [NM_002923]	12.78	down	1562
A_23_P62188	ZC4H2	Homo sapiens zinc finger, C4H2 domain containing (ZC4H2), transcript variant 1, mRNA [NM_018684]	87.56	down	1563
A_24_P346431	TNS3	Homo sapiens tensin 3 (TNS3), mRNA [NM_022748]	101.02	down	1564
A_33_P3252099	ANKLE1	Homo sapiens ankyrin repeat and LEM domain containing 1 (ANKLE1), transcript variant 1, mRNA [NM_152363]	6.58	down	1565
A_33_P3370217			8.03	down	1566
A_19_P00812310	lnc-ITSN1-2	LNCipedia lincRNA (lnc-ITSN1-2), lincRNA [lnc-ITSN1-2:5]	4.68	down	1567
A_32_P310335	JAM2	Homo sapiens junctional adhesion molecule 2 (JAM2), transcript variant 1, mRNA [NM_021219]	30.04	down	1568
A_21_P0000052	DISC1	Homo sapiens disrupted in schizophrenia 1 (DISC1), transcript variant q, mRNA [NM_001164554]	6.93	down	1569
A_21_P0010742			2.01	down	1570
A_23_P108404	AGAP1	Homo sapiens ArfGAP with GTPase domain, ankyrin repeat and PH domain 1 (AGAP1), transcript variant 1, mRNA [NM_001037131]	16.09	down	1571
A_23_P98282	SPTBN2	Homo sapiens spectrin, beta, non-erythrocytic 2 (SPTBN2), mRNA [NM_006946]	2.80	down	1572
A_33_P3332970	CLEC2B	Homo sapiens C-type lectin domain family 2, member B (CLEC2B), mRNA [NM_005127]	15.60	down	1573
A_33_P3345643		zinc finger, DHHC-type containing 11B [Source:HGNC Symbol;Acc:HGNC:32962] [ENST00000522356]	8.58	down	1574
A_24_P153456	ZDHHC11	Homo sapiens zinc finger, DHHC-type containing 11 (ZDHHC11), mRNA [NM_024786]	10.45	down	1575
A_23_P406448	RAB9B	Homo sapiens RAB9B, member RAS oncogene family (RAB9B), mRNA [NM_016370]	3.51	down	1576
A_21_P0005780	lnc-ZNF623-1	LNCipedia lincRNA (lnc-ZNF623-1), lincRNA [lnc-ZNF623-1:1]	3.54	down	1577
A_21_P0010874	XLOC_I2_001960	BROAD Institute lincRNA (XLOC_I2_001960), lincRNA [TCONS_I2_00003544]	2.70	down	1578
A_23_P25069	OVOS2		8.05	down	1579
A_21_P0011084	XLOC_I2_003293	BROAD Institute lincRNA (XLOC_I2_003293), lincRNA [TCONS_I2_00006125]	7.95	down	1580
A_24_P229164	HIP1R	Homo sapiens huntingtin interacting protein 1 related (HIP1R), transcript variant 1, mRNA [NM_003959]	8.00	down	1581
A_33_P3400758	ZNF555	Homo sapiens zinc finger protein 555 (ZNF555), transcript variant 1, mRNA [NM_152791]	20.37	down	1582
A_23_P398294	HIP1R	Homo sapiens huntingtin interacting protein 1 related (HIP1R), transcript variant 1, mRNA [NM_003959]	11.25	down	1583
A_23_P55286	OMG	Homo sapiens oligodendrocyte myelin glycoprotein (OMG), mRNA [NM_002544]	8.54	down	1584
A_23_P116652	ZNF555	Homo sapiens zinc finger protein 555 (ZNF555), transcript variant 1, mRNA [NM_152791]	33.02	down	1585
A_24_P275585	IQCH	Homo sapiens IQ motif containing H (IQCH), transcript variant 1, mRNA [NM_001031715]	5.00	down	1586
A_23_P143190	MYBL2	Homo sapiens v-myb avian myeloblastosis viral oncogene homolog-like 2 (MYBL2), transcript variant 1, mRNA [NM_002466]	4.18	down	1587
A_33_P3210085	NET1	Homo sapiens neuroepithelial cell transforming 1 (NET1), transcript variant 1, mRNA [NM_001047160]	2.91	down	1588
A_24_P863775	EML6	Homo sapiens echinoderm microtubule associated protein like 6 (EML6), mRNA [NM_001039753]	27.72	down	1589
A_23_P397120	SMIM24	Homo sapiens small integral membrane protein 24 (SMIM24), mRNA [NM_001136503]	6.99	down	1590
A_23_P163455	MAP1A	Homo sapiens microtubule-associated protein 1A (MAP1A), mRNA [NM_002373]	14.43	down	1591
A_33_P3802969	LOC285740	Homo sapiens uncharacterized LOC285740 (LOC285740), transcript variant 1, long non-coding RNA [NR_027114]	2.15	down	1592
A_33_P3245126			44.52	down	1593
A_23_P306507	KRAS	Homo sapiens Kirsten rat sarcoma viral oncogene homolog (KRAS), transcript variant a, mRNA [NM_033360]	3.86	down	1594
A_24_P53519	CHAF1A	Homo sapiens chromatin assembly factor 1, subunit A (p150) (CHAF1A), mRNA [NM_005483]	2.24	down	1595
A_24_P205036	ZNF676	Homo sapiens zinc finger protein 676 (ZNF676), mRNA [NM_001001411]	2.56	down	1596
A_23_P216396	EXOSC2	Homo sapiens exosome component 2 (EXOSC2), transcript variant 1, mRNA [NM_014285]	3.07	down	1597
A_24_P65507	STRA13	Homo sapiens stimulated by retinoic acid 13 (STRA13), transcript variant 2, mRNA [NM_144998]	2.30	down	1598
A_23_P11652	USP1	Homo sapiens ubiquitin specific peptidase 1 (USP1), transcript variant 1, mRNA [NM_003368]	2.01	down	1599
A_33_P3647427		zinc finger protein 29, pseudogene [Source:HGNC Symbol;Acc:HGNC:13080] [ENST00000225587]	2.20	down	1600
A_33_P3322307	DDX11	Homo sapiens DEAD/H (Asp-Glu-Ala-Asp/His) box helicase 11 (DDX11), transcript variant 5, mRNA [NM_001257145]	2.59	down	1601
A_33_P3412055	ZNF582	Homo sapiens zinc finger protein 582 (ZNF582), mRNA [NM_144690]	3.61	down	1602
A_33_P3416804	LOC100509445	Homo sapiens mRNA; cDNA DKFZp686C0338 (from clone DKFZp686C0338). [CR749395]	11.37	down	1603
A_23_P117082	HEBP1	Homo sapiens heme binding protein 1 (HEBP1), mRNA [NM_015987]	27.11	down	1604
A_32_P152696			3.54	down	1605
A_33_P3274319	TMEM52	Homo sapiens transmembrane protein 52 (TMEM52), mRNA [NM_178545]	7.10	down	1606
A_24_P158946	FGD4	Homo sapiens FYVE, RhoGEF and PH domain containing 4 (FGD4), mRNA [NM_139241]	96.04	down	1607
A_23_P1155257	FOXP1	Homo sapiens forkhead box P1 (FOXP1), transcript variant 1, mRNA [NM_032682]	801.75	down	1608
A_23_P12363	ROR1	Homo sapiens receptor tyrosine kinase-like orphan receptor 1 (ROR1), transcript variant 1, mRNA [NM_005012]	406.53	down	1609
A_32_P4018	ROR1	Homo sapiens receptor tyrosine kinase-like orphan receptor 1 (ROR1), transcript variant 1, mRNA [NM_005012]	225.49	down	1610
A_33_P3238479		Q86XV3_HUMAN (Q86XV3) DIP2C protein (Fragment), partial (24%) [THC2715287]	14.38	down	1611
A_24_P362540	ASAP2	Homo sapiens ArfGAP with SH3 domain, ankyrin repeat and PH domain 2 (ASAP2), transcript variant 1, mRNA [NM_003887]	108.49	down	1612
A_19_P00324604	C17orf51	Homo sapiens chromosome 17 open reading frame 51 (C17orf51), mRNA [NM_001113434]	11.48	down	1613
A_33_P3240018	PDE3B	Homo sapiens phosphodiesterase 3B, cGMP-inhibited (PDE3B), mRNA [NM_000922]	379.84	down	1614
A_24_P937325	FGD4	FYVE, RhoGEF and PH domain containing 4 [Source:HGNC Symbol;Acc:HGNC:19125] [ENST00000472289]	24.78	down	1615
A_33_P3221253	LPP	Homo sapiens LIM domain containing preferred translocation partner in lipoma (LPP), transcript variant 1, mRNA [NM_005578]	22.25	down	1616
A_23_P10232	BANK1	Homo sapiens B-cell scaffold protein with ankyrin repeats 1 (BANK1), transcript variant 1, mRNA [NM_017935]	369.32	down	1617
A_23_P42975	PRKAR2B	Homo sapiens protein kinase, cAMP-dependent, regulatory, type II, beta (PRKAR2B), mRNA [NM_002736]	34.92	down	1618
A_24_P411186	BCL11A	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 1, mRNA [NM_022893]	506.97	down	1619
A_33_P3216237	BZW2	Homo sapiens basic leucine zipper and W2 domains 2 (BZW2), transcript variant 1, mRNA [NM_001159767]	105.07	down	1620
A_23_P157215	BZW2	Homo sapiens basic leucine zipper and W2 domains 2 (BZW2), transcript variant 2, mRNA [NM_014038]	87.28	down	1621

A_24_P381224	SYVN1	Homo sapiens synovial apoptosis inhibitor 1, synoviolin (SYVN1), transcript variant 2, mRNA [NM_172230]	2.54	down	1622
A_33_P3352304	XAGE-4	PREDICTED: Homo sapiens XAGE-4 protein (XAGE-4), misc_RNA [XR_430517]	6.11	down	1623
A_23_P47991	MED13L	Homo sapiens mediator complex subunit 13-like (MED13L), mRNA [NM_015335]	11.18	down	1624
A_24_P418408	FAM89A	Homo sapiens family with sequence similarity 89, member A (FAM89A), mRNA [NM_198552]	52.33	down	1625
A_24_P273157	OBSCN	Homo sapiens obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF (OBSCN), transcript variant 1, mRNA [NM_052843]	6.46	down	1626
A_32_P79591	ZNF665	Homo sapiens zinc finger protein 665 (ZNF665), mRNA [NM_024733]	2.30	down	1627
A_21_P0014909		Q4RZR4_TETNG (Q4RZR4) Chromosome 18 SCAF14786, whole genome shotgun sequence. (Fragment), partial (18%) [THC2726030]	3.08	down	1628
A_23_P35414	PPP1R3C	Homo sapiens protein phosphatase 1, regulatory subunit 3C (PPP1R3C), mRNA [NM_005398]	2.13	down	1629
A_19_P00316404	C17orf51	Homo sapiens chromosome 17 open reading frame 51 (C17orf51), mRNA [NM_001113434]	12.09	down	1630
A_19_P00804596	C17orf51	Homo sapiens chromosome 17 open reading frame 51 (C17orf51), mRNA [NM_001113434]	10.08	down	1631
A_23_P314760	PRKAG2	Homo sapiens protein kinase, AMP-activated, gamma 2 non-catalytic subunit (PRKAG2), transcript variant a, mRNA [NM_016203]	3.78	down	1632
A_19_P00316012	C17orf51	Homo sapiens chromosome 17 open reading frame 51 (C17orf51), mRNA [NM_001113434]	11.43	down	1633
A_23_P108342	ZNF571	Homo sapiens zinc finger protein 571 (ZNF571), transcript variant 2, mRNA [NM_016536]	6.25	down	1634
A_33_P3290403	IMPA2	Homo sapiens inositol(myo)-1(or 4)-monophosphatase 2 (IMPA2), mRNA [NM_014214]	42.81	down	1635
A_19_P00322906	C17orf51	Homo sapiens chromosome 17 open reading frame 51 (C17orf51), mRNA [NM_001113434]	3.01	down	1636
A_23_P50081	IMPA2	Homo sapiens inositol(myo)-1(or 4)-monophosphatase 2 (IMPA2), mRNA [NM_014214]	46.61	down	1637
A_19_P00316405	C17orf51	Homo sapiens chromosome 17 open reading frame 51 (C17orf51), mRNA [NM_001113434]	10.88	down	1638
A_33_P3415560	ZFP82	Homo sapiens ZFP82 zinc finger protein (ZFP82), mRNA [NM_133466]	5.08	down	1639
A_21_P0011086	LOC728715	PREDICTED: Homo sapiens uncharacterized LOC102725359 (LOC102725359), ncRNA [XR_424313]	5.11	down	1640
A_21_P0014373	Inc-ZNF667-2	Homo sapiens mRNA; cDNA DKFZp686A1999 (from clone DKFZp686A1999). [BX647249]	3.11	down	1641
A_21_P0011087	LOC102725359	PREDICTED: Homo sapiens uncharacterized LOC102725359 (LOC102725359), ncRNA [XR_424313]	7.00	down	1642
A_21_P0011085		PREDICTED: Homo sapiens uncharacterized LOC102725367 (LOC102725367), transcript variant X2, ncRNA [XR_424315]	5.33	down	1643
A_24_P180242	STIM2	Homo sapiens stromal interaction molecule 2 (STIM2), transcript variant 2, mRNA [NM_020860]	4.06	down	1644
A_23_P55682	ZSCAN18	Homo sapiens zinc finger and SCAN domain containing 18 (ZSCAN18), transcript variant 3, mRNA [NM_023926]	20.92	down	1645
A_33_P3259817	DOCK9	Homo sapiens dedicator of cytokinesis 9 (DOCK9), transcript variant 2, mRNA [NM_001130048]	2.94	down	1646
A_33_P3251073	TMEM52	Homo sapiens transmembrane protein 52 (TMEM52), mRNA [NM_178545]	28.54	down	1647
A_24_P165656	PRKD3	Homo sapiens protein kinase D3 (PRKD3), mRNA [NM_005813]	326.92	down	1648
A_24_P19544	STK39	Homo sapiens serine threonine kinase 39 (STK39), mRNA [NM_013233]	233.08	down	1649
A_33_P3404588	FGD4	Homo sapiens FYVE, RhoGEF and PH domain containing 4 (FGD4), mRNA [NM_139241]	47.57	down	1650
A_32_P36694	JAZF1	Homo sapiens JAZF zinc finger 1 (JAZF1), mRNA [NM_175061]	407.08	down	1651
A_21_P0014714	Inc-EIF4E3-1	Homo sapiens cDNA FLJ12191 fis, clone MAMMA1000843. [AK022253]	450.76	down	1652
A_33_P3375466	GPLD1	glycosylphosphatidylinositol specific phospholipase D1 [Source:HGNC Symbol;Acc:HGNC:4459] [ENST00000486892]	6.71	down	1653
A_23_P211957	TGFBR2	Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 1, mRNA [NM_001024847]	114.94	down	1654
A_33_P3371341	FAM66C	Homo sapiens family with sequence similarity 66, member C (FAM66C), long non-coding RNA [NR_026788]	7.46	down	1655
A_33_P3337134	ABLIM2	Homo sapiens actin binding LIM protein family, member 2 (ABLIM2), transcript variant 1, mRNA [NM_001130083]	3.86	down	1656
A_24_P65941	RUNX1-IT1	Homo sapiens RUNX1 intronic transcript 1 (non-protein coding) (RUNX1-IT1), long non-coding RNA [NR_026812]	87.18	down	1657
A_33_P3316323	RBMS1	Homo sapiens RNA binding motif, single stranded interacting protein 1 (RBMS1), transcript variant 1, mRNA [NM_016836]	13.60	down	1658
A_23_P431410	RBMS1	Homo sapiens RNA binding motif, single stranded interacting protein 1 (RBMS1), transcript variant 1, mRNA [NM_016836]	223.71	down	1659
A_24_P126139	RAB9B	Homo sapiens RAB9B, member RAS oncogene family (RAB9B), mRNA [NM_016370]	3.80	down	1660
A_23_P148047	PTGER4	Homo sapiens prostaglandin E receptor 4 (subtype EP4) (PTGER4), mRNA [NM_000958]	12.70	down	1661
A_23_P391275	RCAN3	Homo sapiens RCAN family member 3 (RCAN3), transcript variant 1, mRNA [NM_013441]	107.03	down	1662
A_23_P35205	RCAN3	Homo sapiens RCAN family member 3 (RCAN3), transcript variant 1, mRNA [NM_013441]	144.39	down	1663
A_21_P0010308	LINC00649	Homo sapiens long intergenic non-protein coding RNA 649 (LINC00649), long non-coding RNA [NR_038883]	76.57	down	1664
A_33_P3271490	RBMS1	Homo sapiens RNA binding motif, single stranded interacting protein 1 (RBMS1), transcript variant 1, mRNA [NM_016836]	67.01	down	1665
A_24_P302584	SOX11	Homo sapiens SRY (sex determining region Y)-box 11 (SOX11), mRNA [NM_003108]	1967.29	down	1666
A_23_P64404	FADS3	Homo sapiens fatty acid desaturase 3 (FADS3), mRNA [NM_021727]	9.65	down	1667
A_23_P20002	ANKMY2	Homo sapiens ankyrin repeat and MYND domain containing 2 (ANKMY2), mRNA [NM_020319]	7.93	down	1668
A_24_P365365	TCF3	Homo sapiens transcription factor 3 (TCF3), transcript variant 1, mRNA [NM_003200]	4.51	down	1669
A_19_P00320841	C17orf51	Homo sapiens chromosome 17 open reading frame 51 (C17orf51), mRNA [NM_001113434]	3.71	down	1670
A_23_P88222	PLD4	Homo sapiens phospholipase D family, member 4 (PLD4), mRNA [NM_138790]	66.91	down	1671
A_23_P359897	KDM7A	Homo sapiens lysine (K)-specific demethylase 7A (KDM7A), mRNA [NM_030647]	33.99	down	1672
A_21_P0014785	VIM-AS1	Homo sapiens VIM antisense RNA 1 (VIM-AS1), transcript variant 1, long non-coding RNA [NR_108061]	2.41	down	1673
A_32_P179998	DMRTC1	Homo sapiens DMRT-like family C1 (DMRTC1), mRNA [NM_033053]	17.97	down	1674
A_21_P0007635	Inc-MAP1LC3B2-7	LNCipedia lincRNA (Inc-MAP1LC3B2-7), lincRNA [Inc-MAP1LC3B2-7:1]	22.57	down	1675
A_33_P3249595	BCL11A	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 3, mRNA [NM_138559]	512.27	down	1676
A_24_P290751	DTX1	Homo sapiens deltex 1, E3 ubiquitin ligase (DTX1), mRNA [NM_004416]	516.09	down	1677
A_33_P3321522	ANKRD61	Homo sapiens ankyrin repeat domain 61 (ANKRD61), mRNA [NM_001271700]	3.61	down	1678
A_23_P153529	TRPM4	Homo sapiens transient receptor potential cation channel, subfamily M, member 4 (TRPM4), transcript variant 1, mRNA [NM_017636]	521.98	down	1679
A_21_P0010872	ANTXRPL1	Homo sapiens anthrax toxin receptor-like pseudogene 1 (ANTXRPL1), transcript variant 1, non-coding RNA [NR_103827]	37.40	down	1680
A_23_P91081	EPCAM	Homo sapiens epithelial cell adhesion molecule (EPCAM), mRNA [NM_002354]	97.43	down	1681
A_24_P12065	CCNG2	Homo sapiens cyclin G2 (CCNG2), mRNA [NM_004354]	4.35	down	1682
A_32_P84373	FAM153B	Homo sapiens family with sequence similarity 153, member B (FAM153B), mRNA [NM_001265615]	14.56	down	1683

A_33_P3502914	ZDHC8P1	Homo sapiens zinc finger, DHHC-type containing 8 pseudogene 1 (ZDHC8P1), non-coding RNA [NR_003950]	2.40	down	1684
A_33_P3271480	LOC90784	Homo sapiens uncharacterized LOC90784 (LOC90784), long non-coding RNA [NR_026984]	2.40	down	1685
A_33_P3240182		immunoglobulin heavy variable 5-51 [Source:HGNC Symbol;Acc:HGNC:5659] [ENST00000390626]	5.43	down	1686
A_33_P3211929	RCOR2	Homo sapiens REST corepressor 2 (RCOR2), mRNA [NM_173587]	11.17	down	1687
A_33_P3410584		Homo sapiens cDNA FLJ25208 fis, clone REC05984. [AK057937]	8.93	down	1688
A_33_P3293254	GPSM1	Homo sapiens G-protein signaling modulator 1 (GPSM1), transcript variant 2, mRNA [NM_015597]	4.74	down	1689
A_33_P3314341	KIAA1958	KIAA1958 [Source:HGNC Symbol;Acc:HGNC:23427] [ENST00000374244]	2.88	down	1690
A_23_P5064	CADM4	Homo sapiens cell adhesion molecule 4 (CADM4), mRNA [NM_145296]	6.98	down	1691
A_19_P00315554	LOC101929450	Homo sapiens uncharacterized LOC101929450 (LOC101929450), transcript variant 2, long non-coding RNA [NR_125815]	3.73	down	1692
A_23_P352266	BCL2	Homo sapiens B-cell CLL/lymphoma 2 (BCL2), transcript variant alpha, mRNA [NM_000633]	2.82	down	1693
A_23_P92499	TLR2	Homo sapiens toll-like receptor 2 (TLR2), mRNA [NM_003264]	87.35	down	1694
A_23_P150648	KCNQ1DN	Homo sapiens KCNQ1 downstream neighbor (non-protein coding) (KCNQ1DN), long non-coding RNA [NR_024627]	11.81	down	1695
A_33_P3608172	GPS2	Homo sapiens G protein pathway suppressor 2 (GPS2), mRNA [NM_004489]	2.13	down	1696
A_32_P165116	WDR92	Homo sapiens WD repeat domain 92 (WDR92), transcript variant 1, mRNA [NM_138458]	2.14	down	1697
A_23_P169887	GTF3C2	Homo sapiens general transcription factor IIC, polypeptide 2, beta 110kDa (GTF3C2), transcript variant 1, mRNA [NM_001521]	2.11	down	1698
A_33_P3372844	DDX56	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box helicase 56 (DDX56), transcript variant 1, mRNA [NM_019082]	2.05	down	1699
A_23_P140848	MPHOSPH6	Homo sapiens M-phase phosphoprotein 6 (MPHOSPH6), mRNA [NM_005792]	3.58	down	1700
A_33_P3422471		Homo sapiens cDNA FLJ44846 fis, clone BRACE3051144. [AK126796]	3.22	down	1701
A_23_P325642	PDIA2	Homo sapiens protein disulfide isomerase family A, member 2 (PDIA2), mRNA [NM_006849]	14.55	down	1702
A_23_P324994	KLHL7	Homo sapiens kelch-like family member 7 (KLHL7), transcript variant 2, mRNA [NM_018846]	4.24	down	1703
A_21_P0010599	XLOC_i2_000791	BROAD Institute lincRNA (XLOC_i2_000791), lincRNA [TCONS_i2_00001041]	2.39	down	1704
A_33_P3237110	GPR137C	Homo sapiens G protein-coupled receptor 137C (GPR137C), mRNA [NM_001099652]	4.98	down	1705
A_32_P84369	FAM153C	Homo sapiens family with sequence similarity 153, member C (FAM153C), non-coding RNA [NR_038353]	36.03	down	1706
A_33_P3239367	OBSCN	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF [Source:HGNC Symbol;Acc:HGNC:15719] [ENST00000366704]	12.20	down	1707
A_19_P00805212	KHDC1	Homo sapiens KH homology domain containing 1 (KHDC1), transcript variant 3, non-coding RNA [NR_027005]	4.16	down	1708
A_19_P00326865	KHDC1	Homo sapiens KH homology domain containing 1 (KHDC1), transcript variant 3, non-coding RNA [NR_027005]	3.64	down	1709
A_21_P0000142	RNF103	Homo sapiens ring finger protein 103 (RNF103), transcript variant 3, mRNA [NM_001198952]	2.59	down	1710
A_24_P6517	PLEKHG1	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 1 (PLEKHG1), mRNA [NM_001029884]	7.99	down	1711
A_33_P3423949	CBX2	Homo sapiens chromobox homolog 2 (CBX2), transcript variant 1, mRNA [NM_005189]	6.21	down	1712
A_23_P134295	NUDT1	Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 1 (NUDT1), transcript variant 2B, mRNA [NM_198949]	4.18	down	1713
A_33_P3248842	KHDC1	Homo sapiens KH homology domain containing 1 (KHDC1), transcript variant 1, mRNA [NM_001251874]	3.62	down	1714
A_19_P00320451	KHDC1	Homo sapiens KH homology domain containing 1 (KHDC1), transcript variant 1, mRNA [NM_001251874]	3.18	down	1715
A_23_P151975	RHCG	Homo sapiens Rh family, C glycoprotein (RHCG), transcript variant 1, mRNA [NM_016321]	2.02	down	1716
A_21_P0002453	Inc-RAB1A-3	LNCipedia lincRNA (Inc-RAB1A-3), lincRNA [Inc-RAB1A-3:1]	3.89	down	1717
A_23_P429449	NKD1	Homo sapiens naked cuticle homolog 1 (Drosophila) (NKD1), mRNA [NM_033119]	2.91	down	1718
A_23_P69513	RGS12	Homo sapiens regulator of G-protein signaling 12 (RGS12), transcript variant 1, mRNA [NM_198229]	2.80	down	1719
A_33_P3417358	Inc-SNURF-3	LNCipedia lincRNA (Inc-SNURF-3), lincRNA [Inc-SNURF-3:3]	4.99	down	1720
A_33_P3212232	MPEG1	Homo sapiens macrophage expressed 1 (MPEG1), mRNA [NM_001039396]	22.55	down	1721
A_21_P0001796	Inc-FAM168B-1	Homo sapiens cDNA FLJ33681 fis, clone BRAWH2002549. [AK091000]	9.58	down	1722
A_23_P73530	MTMR1	Homo sapiens myotubularin related protein 1 (MTMR1), mRNA [NM_003828]	2.44	down	1723
A_24_P110354	SMIM23	Homo sapiens small integral membrane protein 23 (SMIM23), mRNA [NM_001289970]	2.66	down	1724
A_33_P3297345	TTC24	Homo sapiens tetratricopeptide repeat domain 24 (TTC24), mRNA [NM_001105669]	10.90	down	1725
A_33_P3227990	MBP	Homo sapiens myelin basic protein (MBP), transcript variant 7, mRNA [NM_001025101]	5.12	down	1726
A_33_P3289128	ZBTB42	Homo sapiens zinc finger and BTB domain containing 42 (ZBTB42), mRNA [NM_001137601]	7.95	down	1727
A_21_P0009908	TRERNA1	Homo sapiens translation regulatory long non-coding RNA 1 (TRERNA1), long non-coding RNA [NR_051976]	22.47	down	1728
A_23_P215088	ZC3HC1	Homo sapiens zinc finger, C3HC-type containing 1 (ZC3HC1), transcript variant 1, mRNA [NM_016478]	2.46	down	1729
A_24_P389415	PNMA2	Homo sapiens paraneoplastic Ma antigen 2 (PNMA2), mRNA [NM_007257]	284.13	down	1730
A_23_P9255	SYK	Homo sapiens spleen tyrosine kinase (SYK), transcript variant 1, mRNA [NM_003177]	6.49	down	1731
A_19_P00318992		deleted in lymphocytic leukemia 1 (non-protein coding) [Source:HGNC Symbol;Acc:HGNC:13747] [ENST00000483169]	53.69	down	1732
A_33_P3489646	SPI1	Homo sapiens Spi-1 proto-oncogene (SPI1), transcript variant 1, mRNA [NM_001080547]	4.24	down	1733
A_23_P43504	ABCA2	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 2 (ABCA2), transcript variant 1, mRNA [NM_001606]	2.94	down	1734
A_21_P0012395	COL6A4P2	Homo sapiens collagen, type VI, alpha 4 pseudogene 2 (COL6A4P2), non-coding RNA [NR_027898]	3.93	down	1735
A_33_P3314550	RAB3A	Homo sapiens RAB3A, member RAS oncogene family (RAB3A), mRNA [NM_002866]	4.86	down	1736
A_21_P0001768	LOC200772	Homo sapiens uncharacterized LOC200772 (LOC200772), long non-coding RNA [NR_033841]	2.66	down	1737
A_23_P343808	SOS1	Homo sapiens son of sevenless homolog 1 (Drosophila) (SOS1), mRNA [NM_005633]	2.59	down	1738
A_21_P0005960	Inc-PRAGMIN.1-3	LNCipedia lincRNA (Inc-PRAGMIN.1-3), lincRNA [Inc-PRAGMIN.1-3:1]	10.12	down	1739
A_21_P0002602	LOC101928427	PREDICTED: Homo sapiens uncharacterized LOC101928427 (LOC101928427), transcript variant X2, ncRNA [XR_427057]	3.64	down	1740
A_33_P3377750	KLC3	Homo sapiens kinesin light chain 3 (KLC3), mRNA [NM_177417]	2.33	down	1741
A_32_P172864	FAM102B	Homo sapiens family with sequence similarity 102, member B (FAM102B), mRNA [NM_001010883]	4.31	down	1742
A_23_P304524	DCLK2	Homo sapiens doublecortin-like kinase 2 (DCLK2), transcript variant 1, mRNA [NM_001040260]	28.84	down	1743
A_23_P53276	TIMELESS	Homo sapiens timeless circadian clock (TIMELESS), mRNA [NM_003920]	2.75	down	1744
A_24_P381136	PACSIN3	Homo sapiens protein kinase C and casein kinase substrate in neurons 3 (PACSIN3), transcript variant 2, mRNA [NM_016223]	8.63	down	1745
A_23_P354591	MVB12B	Homo sapiens multivesicular body subunit 12B (MVB12B), transcript variant 1, mRNA [NM_033446]	26.52	down	1746

A_33_P3417810	NOL10	Homo sapiens nucleolar protein 10 (NOL10), transcript variant 1, mRNA [NM_024894]	2.44	down	1747
A_23_P344853	WDR43	Homo sapiens WD repeat domain 43 (WDR43), mRNA [NM_015131]	2.24	down	1748
A_24_P227069	GPAM	Homo sapiens glycerol-3-phosphate acyltransferase, mitochondrial (GPAM), transcript variant 2, mRNA [NM_020918]	2.78	down	1749
A_19_P00326732	SMIM13	Homo sapiens small integral membrane protein 13 (SMIM13), mRNA [NM_001135575]	3.16	down	1750
A_23_P311875	CD6	Homo sapiens CD6 molecule (CD6), transcript variant 1, mRNA [NM_006725]	3.53	down	1751
A_23_P321349	SAAL1	Homo sapiens serum amyloid A-like 1 (SAAL1), mRNA [NM_138421]	2.29	down	1752
A_21_P0010863	LINC00202-1	Homo sapiens long intergenic non-protein coding RNA 202-1 (LINC00202-1), long non-coding RNA [NR_026795]	3.38	down	1753
A_23_P45831	CHD1L	Homo sapiens chromodomain helicase DNA binding protein 1-like (CHD1L), transcript variant 1, mRNA [NM_004284]	2.48	down	1754
A_33_P3217731	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila) [Source:HGNC Symbol;Acc:HGNC:11837] [ENST00000376484]	10.64	down	1755
A_24_P341089	ANKRD36BP2	Homo sapiens ankyrin repeat domain 36B pseudogene 2 (ANKRD36BP2), non-coding RNA [NR_015424]	4.65	down	1756
A_21_P0011807	ANKRD36BP2	ankyrin repeat domain 36B pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:33607] [ENST00000622311]	9.27	down	1757
A_23_P134384	PHF14	Homo sapiens PHD finger protein 14 (PHF14), transcript variant 2, mRNA [NM_014660]	4.17	down	1758
A_33_P3372318	EML6	echinoderm microtubule associated protein like 6 [Source:HGNC Symbol;Acc:HGNC:35412] [ENST00000490828]	2.48	down	1759
A_21_P0011809	ANKRD36BP2	Homo sapiens ankyrin repeat domain 36B pseudogene 2 (ANKRD36BP2), non-coding RNA [NR_015424]	4.30	down	1760
A_23_P209962	SMC6	Homo sapiens structural maintenance of chromosomes 6 (SMC6), transcript variant 2, mRNA [NM_024624]	4.44	down	1761
A_21_P0005719	lnc-TERF1-2	LNCipedia lincRNA (lnc-TERF1-2), lincRNA [lnc-TERF1-2:1]	2.05	down	1762
A_24_P321411	PRKRIR	Homo sapiens protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor) (PRKRIR), mRNA [NM_004705]	2.83	down	1763
A_33_P3211628	PRKRIR	Homo sapiens protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor) (PRKRIR), mRNA [NM_004705]	2.74	down	1764
A_33_P3814721	INSC	Homo sapiens inscuteable homolog (Drosophila) (INSC), transcript variant 1, mRNA [NM_001031853]	4.53	down	1765
A_24_P366777		notch 2 N-terminal like [Source:HGNC Symbol;Acc:HGNC:31862] [ENST00000579793]	6.57	down	1766
A_33_P3367201	MMAB	Homo sapiens methylmalonic aciduria (cobalamin deficiency) cblB type (MMAB), transcript variant 1, mRNA [NM_052845]	5.58	down	1767
A_23_P98015	CUTC	Homo sapiens cutC copper transporter (CUTC), mRNA [NM_015960]	2.72	down	1768
A_33_P3403748	UQCC3	Homo sapiens ubiquinol-cytochrome c reductase complex assembly factor 3 (UQCC3), mRNA [NM_001085372]	2.34	down	1769
A_23_P423331	NTNG2	Homo sapiens netrin G2 (NTNG2), mRNA [NM_032536]	21.28	down	1770
A_23_P142974	ARHGAP25	Homo sapiens Rho GTPase activating protein 25 (ARHGAP25), transcript variant 1, mRNA [NM_001007231]	555.41	down	1771
A_23_P133694	SLC29A1	Homo sapiens solute carrier family 29 (equilibrative nucleoside transporter), member 1 (SLC29A1), transcript variant 1, mRNA [NM_001078177]	3.62	down	1772
A_23_P156970	MEST	Homo sapiens mesoderm specific transcript (MEST), transcript variant 1, mRNA [NM_002402]	65.01	down	1773
A_23_P322	EFNA4	Homo sapiens ephrin-A4 (EFNA4), transcript variant 3, mRNA [NM_182690]	3.11	down	1774
A_24_P57047	DLL3	Homo sapiens delta-like 3 (Drosophila) (DLL3), transcript variant 2, mRNA [NM_203486]	36.62	down	1775
A_33_P3253799	RUFY1	Homo sapiens RUN and FYVE domain containing 1 (RUFY1), transcript variant 2, mRNA [NM_001040451]	2.61	down	1776
A_21_P0011812	ANKRD36	Homo sapiens ankyrin repeat domain 36 (ANKRD36), mRNA [NM_001164315]	7.54	down	1777
A_21_P0011811	ANKRD36BP2	Homo sapiens ankyrin repeat domain 36B pseudogene 2 (ANKRD36BP2), non-coding RNA [NR_015424]	32.71	down	1778
A_23_P86386	ZNF669	Homo sapiens zinc finger protein 669 (ZNF669), transcript variant 1, mRNA [NM_024804]	2.28	down	1779
A_23_P101480	MAST1	Homo sapiens microtubule associated serine/threonine kinase 1 (MAST1), mRNA [NM_014975]	5.75	down	1780
A_24_P77082	KMO	Homo sapiens kynurenine 3-monooxygenase (kynurenine 3-hydroxylase) (KMO), mRNA [NM_003679]	15.69	down	1781
A_33_P3323323	ZNF497	Homo sapiens zinc finger protein 497 (ZNF497), transcript variant 1, mRNA [NM_198458]	3.44	down	1782
A_23_P8539	DAGLB	Homo sapiens diacylglycerol lipase, beta (DAGLB), transcript variant 1, mRNA [NM_139179]	3.01	down	1783
A_23_P109269	LAMA5	Homo sapiens laminin, alpha 5 (LAMA5), mRNA [NM_005560]	5.10	down	1784
A_24_P286527	IFT22	Homo sapiens intraflagellar transport 22 (IFT22), transcript variant 1, mRNA [NM_022777]	2.14	down	1785
A_32_P54503	JHDM1D-AS1	Homo sapiens JHDM1D antisense RNA 1 (head to head) (JHDM1D-AS1), long non-coding RNA [NR_024451]	8.25	down	1786
A_32_P174025	SELV	Homo sapiens selenoprotein V (SELV), mRNA [NM_182704]	2.81	down	1787
A_23_P89824	TMEM241	Homo sapiens transmembrane protein 241 (TMEM241), mRNA [NM_032933]	2.20	down	1788
A_23_P163492	BAIAP3	Homo sapiens BAI1-associated protein 3 (BAIAP3), transcript variant 1, mRNA [NM_003933]	67.65	down	1789
A_24_P149395	WIPI2	Homo sapiens WD repeat domain, phosphoinositide interacting 2 (WIPI2), transcript variant 1, mRNA [NM_015610]	2.83	down	1790
A_19_P00316238	STMN1	Homo sapiens stathmin 1 (STMN1), transcript variant 4, mRNA [NM_001145454]	6.37	down	1791
A_23_P207201	CD79B	Homo sapiens CD79b molecule, immunoglobulin-associated beta (CD79B), transcript variant 3, mRNA [NM_001039933]	4.21	down	1792
A_24_P170983	ESPNL	Homo sapiens espin-like (ESPNL), mRNA [NM_194312]	24.99	down	1793
A_32_P141682	EVPLL	Homo sapiens envoplakin-like (EVPLL), mRNA [NM_001145127]	102.36	down	1794
A_33_P3213747	ZNHIT2	Homo sapiens zinc finger, HIT-type containing 2 (ZNHIT2), mRNA [NM_014205]	2.22	down	1795
A_24_P314477	TUBB2B	Homo sapiens tubulin, beta 2B class IIb (TUBB2B), mRNA [NM_178012]	36.98	down	1796
A_33_P3292196	PNMA6A	Homo sapiens paraneoplastic Ma antigen family member 6A (PNMA6A), mRNA [NM_032882]	11.86	down	1797
A_33_P3210358			4.26	down	1798
A_21_P0013237	lnc-VKORC1L1-2	LNCipedia lincRNA (lnc-VKORC1L1-2), lincRNA [lnc-VKORC1L1-2:1]	2.94	down	1799
A_33_P3265030	GP1BB	Homo sapiens glycoprotein Ib (platelet), beta polypeptide (GP1BB), mRNA [NM_000407]	3.06	down	1800
A_23_P358597	POPDC3	Homo sapiens popeye domain containing 3 (POPDC3), transcript variant 1, mRNA [NM_022361]	2.36	down	1801
A_33_P3233436	PNMA6A	Homo sapiens paraneoplastic Ma antigen family member 6A (PNMA6A), mRNA [NM_032882]	112.79	down	1802
A_23_P153197	TGIF1	Homo sapiens TGFB-induced factor homeobox 1 (TGIF1), transcript variant 1, mRNA [NM_170695]	20.05	down	1803
A_21_P0000192	TGIF1	Homo sapiens TGFB-induced factor homeobox 1 (TGIF1), transcript variant 1, mRNA [NM_170695]	19.07	down	1804
A_24_P286569	LANCL2	Homo sapiens LanC lantibiotic synthetase component C-like 2 (bacterial) (LANCL2), mRNA [NM_018697]	2.70	down	1805
A_23_P417282	IGF1R	Homo sapiens insulin-like growth factor 1 receptor (IGF1R), transcript variant 1, mRNA [NM_000875]	16.96	down	1806
A_23_P99906	HOMER2	Homo sapiens homer homolog 2 (Drosophila) (HOMER2), transcript variant 2, mRNA [NM_199330]	28.73	down	1807
A_23_P110569	TRIM36	Homo sapiens tripartite motif containing 36 (TRIM36), transcript variant 1, mRNA [NM_018700]	12.71	down	1808

A_32_P66881	TLR4	Homo sapiens toll-like receptor 4 (TLR4), transcript variant 1, mRNA [NM_138554]	19.91	down	1809
A_24_P303594	ACTR3B	Homo sapiens ARP3 actin-related protein 3 homolog B (yeast) (ACTR3B), transcript variant 2, mRNA [NM_001040135]	2.33	down	1810
A_33_P3418576	SERAC1	Homo sapiens serine active site containing 1 (SERAC1), transcript variant 2, non-coding RNA [NR_073096]	4.59	down	1811
A_23_P257815	CD180	Homo sapiens CD180 molecule (CD180), mRNA [NM_005582]	62.97	down	1812
A_33_P3379406	GREB1	Homo sapiens GREB1 protein, mRNA (cDNA clone IMAGE:6729261), partial cds. [BC071853]	5.02	down	1813
A_21_P0006857	lnc-ANKRD30A-3	LNCipedia lincRNA (lnc-ANKRD30A-3), lincRNA [lnc-ANKRD30A-3:1]	2.66	down	1814
A_21_P0001481	lnc-C1orf201-3	LNCipedia lincRNA (lnc-C1orf201-3), lincRNA [lnc-C1orf201-3:2]	5.91	down	1815
A_23_P29124	GP1BB	Homo sapiens glycoprotein Ib (platelet), beta polypeptide (GP1BB), mRNA [NM_000407]	15.64	down	1816
A_19_P00808382	LINC00649	Homo sapiens long intergenic non-protein coding RNA 649 (LINC00649), long non-coding RNA [NR_038883]	3.46	down	1817
A_23_P45517	PPP2R3B	Homo sapiens protein phosphatase 2, regulatory subunit B", beta (PPP2R3B), mRNA [NM_013239]	7.19	down	1818
A_33_P3365002	TUBB2A	Homo sapiens tubulin, beta 2A class IIa (TUBB2A), mRNA [NM_001069]	2.97	down	1819
A_23_P96350	PRAF2	Homo sapiens PRA1 domain family, member 2 (PRAF2), mRNA [NM_007213]	3.87	down	1820
A_23_P393051	KDF1	Homo sapiens keratinocyte differentiation factor 1 (KDF1), mRNA [NM_152365]	10.47	down	1821
A_24_P929322	FLJ42393	Homo sapiens uncharacterized LOC401105 (FLJ42393), long non-coding RNA [NR_024413]	8.90	down	1822
A_24_P928969	PTPN3	Homo sapiens protein tyrosine phosphatase, non-receptor type 3 (PTPN3), transcript variant 3, mRNA [NM_001145369]	4.40	down	1823
A_21_P0007844	LOC100507616	PREDICTED: Homo sapiens uncharacterized LOC100507616 (LOC100507616), transcript variant X2, ncRNA [XR_424398]	4.19	down	1824
A_23_P76435	GATC	Homo sapiens glutamyl-tRNA(Gln) amidotransferase, subunit C (GATC), transcript variant 1, mRNA [NM_176818]	2.23	down	1825
A_23_P360874	LRWD1	Homo sapiens leucine-rich repeats and WD repeat domain containing 1 (LRWD1), mRNA [NM_152892]	2.31	down	1826
A_24_P626951		immunoglobulin kappa variable 1-16 [Source:HGNC Symbol;Acc:HGNC:5732] [ENST00000479981]	57.88	down	1827
A_23_P32253	NFIL3	Homo sapiens nuclear factor, interleukin 3 regulated (NFIL3), transcript variant 3, mRNA [NM_005384]	5.22	down	1828
A_23_P40880	CMTM8	Homo sapiens CKLF-like MARVEL transmembrane domain containing 8 (CMTM8), mRNA [NM_178868]	33.00	down	1829
A_23_P207299	RNFT1	Homo sapiens ring finger protein, transmembrane 1 (RNFT1), mRNA [NM_016125]	4.32	down	1830
A_33_P3418668	PWARSN	Homo sapiens Prader Willi/Angelman region RNA, SNRPN neighbor (PWARSN), long non-coding RNA [NR_022011]	3.05	down	1831
A_33_P3399090	DIXDC1	Homo sapiens DIX domain containing 1 (DIXDC1), transcript variant 1, mRNA [NM_001037954]	12.02	down	1832
A_23_P76983	CCDC176	Homo sapiens coiled-coil domain containing 176 (CCDC176), mRNA [NM_025057]	2.70	down	1833
A_33_P3420254	DNAAF5	Homo sapiens dynein, axonemal, assembly factor 5 (DNAAF5), transcript variant 1, mRNA [NM_017802]	2.53	down	1834
A_32_P182156	ZNF511	Homo sapiens zinc finger protein 511 (ZNF511), transcript variant 1, mRNA [NM_145806]	2.24	down	1835
A_23_P24922	LIPT2	Homo sapiens lipoyl(octanoyl) transferase 2 (putative) (LIPT2), mRNA [NM_001144869]	4.13	down	1836
A_23_P165891	TAF1B	Homo sapiens TATA box binding protein (TBP)-associated factor, RNA polymerase I, B, 63kDa (TAF1B), mRNA [NM_005680]	2.27	down	1837
A_33_P3271350	IKBKAP	Homo sapiens inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein (IKBKAP), mRNA [NM_003640]	2.10	down	1838
A_23_P401904	PHF19	Homo sapiens PHD finger protein 19 (PHF19), transcript variant 2, mRNA [NM_001009936]	2.31	down	1839
A_23_P83931	NET1	Homo sapiens neuroepithelial cell transforming 1 (NET1), transcript variant 1, mRNA [NM_001047160]	2.97	down	1840
A_23_P61810	BAIAP2	Homo sapiens BAI1-associated protein 2 (BAIAP2), transcript variant 1, mRNA [NM_017450]	5.41	down	1841
A_33_P3380652	ADAM28	ADAM metallopeptidase domain 28 [Source:HGNC Symbol;Acc:HGNC:206] [ENST00000437154]	4.87	down	1842
A_33_P3281435		immunoglobulin kappa variable 1D-8 [Source:HGNC Symbol;Acc:HGNC:5759] [ENST00000471857]	82.41	down	1843
A_23_P904	BEND5	Homo sapiens BEN domain containing 5 (BEND5), transcript variant 1, mRNA [NM_024603]	364.43	down	1844
A_23_P210675	SYCP2	Homo sapiens synaptonemal complex protein 2 (SYCP2), mRNA [NM_014258]	3.01	down	1845
A_32_P165113	WDR92	Homo sapiens WD repeat domain 92 (WDR92), transcript variant 1, mRNA [NM_138458]	2.11	down	1846
A_23_P419213	KIAA1407	Homo sapiens KIAA1407 (KIAA1407), mRNA [NM_020817]	10.16	down	1847
A_23_P150281	TP53I11	Homo sapiens tumor protein p53 inducible protein 11 (TP53I11), transcript variant 1, mRNA [NM_001258320]	26.56	down	1848
A_33_P3287078	GZF1	Homo sapiens GDNF-inducible zinc finger protein 1 (GZF1), mRNA [NM_022482]	2.24	down	1849
A_33_P3743508	LOC158435	Homo sapiens uncharacterized LOC158435 (LOC158435), long non-coding RNA [NR_033838]	2.06	down	1850
A_23_P257111	FBP1	Homo sapiens fructose-1,6-bisphosphatase 1 (FBP1), transcript variant 1, mRNA [NM_000507]	104.49	down	1851
A_19_P00323028	lnc-SNURF-1	LNCipedia lincRNA (lnc-SNURF-1), lincRNA [lnc-SNURF-1:3]	3.75	down	1852
A_33_P3672756	LOC284561	PREDICTED: Homo sapiens uncharacterized LOC284561 (LOC284561), misc_RNA [XR_110828]	24.71	down	1853
A_23_P380881	ANKRD13B	Homo sapiens ankyrin repeat domain 13B (ANKRD13B), mRNA [NM_152345]	4.44	down	1854
A_33_P3265359	HES6	Homo sapiens hes family bHLH transcription factor 6 (HES6), transcript variant 1, mRNA [NM_018645]	17.07	down	1855
A_23_P131202	HES6	Homo sapiens hes family bHLH transcription factor 6 (HES6), transcript variant 1, mRNA [NM_018645]	10.76	down	1856
A_23_P77401	CPPED1	Homo sapiens calcineurin-like phosphoesterase domain containing 1 (CPPED1), transcript variant 1, mRNA [NM_018340]	2.37	down	1857
A_21_P0008816	lnc-SNURF-1	LNCipedia lincRNA (lnc-SNURF-1), lincRNA [lnc-SNURF-1:5]	4.48	down	1858
A_23_P106024	JAG2	Homo sapiens jagged 2 (JAG2), transcript variant 1, mRNA [NM_002226]	19.54	down	1859
A_23_P362183	ANKS6	Homo sapiens ankyrin repeat and sterile alpha motif domain containing 6 (ANKS6), mRNA [NM_173551]	3.28	down	1860
A_24_P902052	DANCR	Homo sapiens differentiation antagonizing non-protein coding RNA (DANCR), long non-coding RNA [NR_024031]	4.20	down	1861
A_33_P3257993	RNF125	Homo sapiens ring finger protein 125, E3 ubiquitin protein ligase (RNF125), mRNA [NM_017831]	15.22	down	1862
A_21_P0000653	SBF2-AS1	Homo sapiens SBF2 antisense RNA 1 (SBF2-AS1), long non-coding RNA [NR_036485]	6.96	down	1863
A_21_P0011108	ZNF891	Homo sapiens zinc finger protein 891 (ZNF891), mRNA [NM_001277291]	3.18	down	1864
A_21_P0002511	lnc-ZEB2-1	LNCipedia lincRNA (lnc-ZEB2-1), lincRNA [lnc-ZEB2-1:2]	7.89	down	1865
A_23_P2582	HDAC7	Homo sapiens histone deacetylase 7 (HDAC7), transcript variant 1, mRNA [NM_015401]	12.25	down	1866
A_21_P0006609	LINC00264	Homo sapiens long intergenic non-protein coding RNA 264 (LINC00264), long non-coding RNA [NR_026793]	3.88	down	1867
A_24_P71244	PIK3CD	Homo sapiens phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta (PIK3CD), mRNA [NM_005026]	3.12	down	1868
A_23_P329768	GREB1	Homo sapiens growth regulation by estrogen in breast cancer 1 (GREB1), transcript variant a, mRNA [NM_014668]	5.14	down	1869
A_33_P3379775	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila) [Source:HGNC Symbol;Acc:HGNC:11837] [ENST00000376463]	69.43	down	1870

A_24_P69538	TLR4	Homo sapiens toll-like receptor 4 (TLR4), transcript variant 1, mRNA [NM_138554]	33.55	down	1871
A_23_P345799	FAM129C	Homo sapiens family with sequence similarity 129, member C (FAM129C), transcript variant 1, mRNA [NM_173544]	19.01	down	1872
A_33_P3250128	SNX18	Homo sapiens sorting nexin 18 (SNX18), transcript variant 2, mRNA [NM_052870]	7.62	down	1873
A_19_P00804020	TLE1	Homo sapiens transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila) (TLE1), transcript variant 3, mRNA [NM_001303104]	18.03	down	1874
A_33_P3269779	ZNF3	Homo sapiens zinc finger protein 3 (ZNF3), transcript variant 1, mRNA [NM_017715]	2.36	down	1875
A_23_P98763	LRTOMT	Homo sapiens leucine rich transmembrane and O-methyltransferase domain containing (LRTOMT), transcript variant 1, mRNA [NM_145309]	2.33	down	1876
A_33_P3263359	DGKA	diacylglycerol kinase, alpha 80kDa [Source:HGNC Symbol;Acc:HGNC:2849] [ENST00000546995]	2.45	down	1877
A_23_P47682	NRIP3	Homo sapiens nuclear receptor interacting protein 3 (NRIP3), mRNA [NM_020645]	2.17	down	1878
A_33_P3285156	BAIAP2-AS1	Homo sapiens BAIAP2 antisense RNA 1 (head to head) (BAIAP2-AS1), long non-coding RNA [NR_026857]	5.19	down	1879
A_23_P16078	PAFAH1B3	Homo sapiens platelet-activating factor acetylhydrolase 1b, catalytic subunit 3 (29kDa) (PAFAH1B3), transcript variant 2, mRNA [NM_002573]	3.39	down	1880
A_33_P3237874	TROAP	Homo sapiens trophinin associated protein (TROAP), transcript variant 2, mRNA [NM_001100620]	3.53	down	1881
A_33_P3408529			3.22	down	1882
A_33_P3781228	CEBPB-AS1	Homo sapiens CEBPB antisense RNA 1 (CEBPB-AS1), long non-coding RNA [NR_125739]	3.30	down	1883
A_23_P3963	CDR2L	Homo sapiens cerebellar degeneration-related protein 2-like (CDR2L), mRNA [NM_014603]	2.22	down	1884
A_33_P3212754	NUTM2F	Homo sapiens NUT family member 2F (NUTM2F), mRNA [NM_017561]	2.17	down	1885
A_21_P0008064		deleted in lymphocytic leukemia 1 (non-protein coding) [Source:HGNC Symbol;Acc:HGNC:13747] [ENST00000461527]	25.35	down	1886
A_33_P3223088	MRPL19	mitochondrial ribosomal protein L19 [Source:HGNC Symbol;Acc:HGNC:14052] [ENST00000409374]	2.01	down	1887
A_23_P433188	GZF1	Homo sapiens GDNF-inducible zinc finger protein 1 (GZF1), mRNA [NM_022482]	2.28	down	1888
A_33_P3337485	CD248	Homo sapiens CD248 molecule, endosialin (CD248), mRNA [NM_020404]	5.44	down	1889
A_24_P386323	RABEPK	Homo sapiens Rab9 effector protein with kelch motifs (RABEPK), transcript variant 1, mRNA [NM_005833]	2.05	down	1890
A_23_P136571	SHCBP1L	Homo sapiens SHC SH2-domain binding protein 1-like (SHCBP1L), mRNA [NM_030933]	6.87	down	1891
A_21_P0007910	DLEU1	Homo sapiens deleted in lymphocytic leukemia 1 (non-protein coding) (DLEU1), transcript variant 3, long non-coding RNA [NR_109974]	6.27	down	1892
A_23_P318284	GPD1L	Homo sapiens glycerol-3-phosphate dehydrogenase 1-like (GPD1L), mRNA [NM_015141]	3.46	down	1893
A_33_P3343690	FDX1	Homo sapiens ferredoxin 1 (FDX1), mRNA [NM_004109]	2.99	down	1894
A_21_P0004917	lnc-QRSL1-1	LNCipedia lincRNA (lnc-QRSL1-1), lincRNA [lnc-QRSL1-1:2]	4.26	down	1895
A_33_P3352283	C1orf195	Homo sapiens chromosome 1 open reading frame 195 (C1orf195), transcript variant 1, mRNA [NM_001278501]	2.57	down	1896
A_23_P143981	FBLN2	Homo sapiens fibulin 2 (FBLN2), transcript variant 1, mRNA [NM_001004019]	5.39	down	1897
A_23_P142606	CRYGC	Homo sapiens crystallin, gamma C (CRYGC), mRNA [NM_020989]	2.21	down	1898
A_23_P383915	BTBD16	Homo sapiens BTB (POZ) domain containing 16 (BTBD16), mRNA [NM_144587]	4.73	down	1899
A_19_P00808774	BAIAP2-AS1	Homo sapiens BAIAP2 antisense RNA 1 (head to head) (BAIAP2-AS1), long non-coding RNA [NR_026857]	3.10	down	1900
A_23_P161918	CCDC86	Homo sapiens coiled-coil domain containing 86 (CCDC86), mRNA [NM_024098]	2.31	down	1901
A_24_P358321		immunoglobulin kappa variable 2D-29 [Source:HGNC Symbol;Acc:HGNC:5800] [ENST00000491977]	2.24	down	1902
A_32_P34920	FOXD1	Homo sapiens forkhead box D1 (FOXD1), mRNA [NM_004472]	237.21	down	1903
A_21_P0001876	lnc-ARHGAP25-1	LNCipedia lincRNA (lnc-ARHGAP25-1), lincRNA [lnc-ARHGAP25-1:1]	18.48	down	1904
A_21_P0010918	PLD5	Homo sapiens phospholipase D family, member 5 (PLD5), transcript variant 1, mRNA [NM_152666]	15.56	down	1905
A_24_P691826	WFDC21P	WAP four-disulfide core domain 21, pseudogene [Source:HGNC Symbol;Acc:HGNC:50357] [ENST00000587298]	1197.90	down	1906
A_21_P0009341	WFDC21P	Homo sapiens WAP four-disulfide core domain 21, pseudogene (WFDC21P), non-coding RNA [NR_030732]	219.06	down	1907
A_23_P149368	FCRL1	Homo sapiens Fc receptor-like 1 (FCRL1), transcript variant 1, mRNA [NM_052938]	41.57	down	1908
A_33_P3327539	TBC1D9	Homo sapiens TBC1 domain family, member 9 (with GRAM domain) (TBC1D9), mRNA [NM_015130]	2.18	down	1909
A_32_P104518	LINC00476	Homo sapiens long intergenic non-protein coding RNA 476 (LINC00476), transcript variant 2, long non-coding RNA [NR_023389]	2.28	down	1910
A_23_P66481	RTN4RL1	Homo sapiens reticulon 4 receptor-like 1 (RTN4RL1), mRNA [NM_178568]	11.84	down	1911
A_33_P3260106			2.43	down	1912
A_24_P368735	ARL10	Homo sapiens ADP-ribosylation factor-like 10 (ARL10), mRNA [NM_173664]	5.18	down	1913
A_21_P0008276	LOC101927702	PREDICTED: Homo sapiens uncharacterized LOC101927702 (LOC101927702), ncRNA [XR_245766]	2.19	down	1914
A_23_P47709	FOLR2	Homo sapiens folate receptor 2 (fetal) (FOLR2), transcript variant 1, mRNA [NM_000803]	5.39	down	1915
A_24_P541831	LINC00264	Homo sapiens long intergenic non-protein coding RNA 264 (LINC00264), long non-coding RNA [NR_026793]	3.83	down	1916
A_23_P14083	AMIGO2	Homo sapiens adhesion molecule with Ig-like domain 2 (AMIGO2), transcript variant 2, mRNA [NM_181847]	44.03	down	1917
A_23_P83266	ENDOG	Homo sapiens endonuclease G (ENDOG), mRNA [NM_004435]	2.23	down	1918
A_21_P0011309	HERC2P10	hect domain and RLD 2 pseudogene 10 [Source:HGNC Symbol;Acc:HGNC:39056] [ENST00000570209]	2.68	down	1919
A_21_P0009891	LINC01431	long intergenic non-protein coding RNA 1431 [Source:HGNC Symbol;Acc:HGNC:50744] [ENST00000452395]	6.01	down	1920
A_23_P1998	APBB1	Homo sapiens amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65) (APBB1), transcript variant 1, mRNA [NM_001164]	2.53	down	1921
A_21_P0009342	WFDC21P	Homo sapiens WAP four-disulfide core domain 21, pseudogene (WFDC21P), non-coding RNA [NR_030732]	1936.29	down	1922
A_24_P91991	NAT8L	Homo sapiens N-acetyltransferase 8-like (GCN5-related, putative) (NAT8L), mRNA [NM_178557]	184.06	down	1923
A_23_P352799	NPW	Homo sapiens neuropeptide W (NPW), mRNA [NM_001099456]	99.13	down	1924
A_33_P3357620	PAGR1	Homo sapiens PAXIP1 associated glutamate-rich protein 1 (PAGR1), mRNA [NM_024516]	2.41	down	1925
A_23_P22660	CYSLTR1	Homo sapiens cysteinyl leukotriene receptor 1 (CYSLTR1), transcript variant 3, mRNA [NM_006639]	3.13	down	1926
A_23_P10870	DOLK	Homo sapiens dolichol kinase (DOLK), mRNA [NM_014908]	2.13	down	1927
A_23_P47777	MARCH9	Homo sapiens membrane-associated ring finger (C3HC4) 9 (MARCH9), mRNA [NM_138396]	2.22	down	1928
A_32_P154053	ATG9B	Homo sapiens autophagy related 9B (ATG9B), transcript variant 1, mRNA [NM_173681]	12.02	down	1929
A_23_P201939	PPM1J	Homo sapiens protein phosphatase, Mg2+/Mn2+ dependent, 1J (PPM1J), mRNA [NM_005167]	5.38	down	1930
A_23_P170636	KCNH8	Homo sapiens potassium channel, voltage gated eag related subfamily H, member 8 (KCNH8), mRNA [NM_144633]	5.98	down	1931
A_33_P3320953	CTXN1	Homo sapiens cortixin 1 (CTXN1), mRNA [NM_206833]	2.13	down	1932
A_23_P66637	SGCA	Homo sapiens sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein) (SGCA), transcript variant 1, mRNA [NM_000023]	2.43	down	1933

A_23_P95640	C1orf186	Homo sapiens chromosome 1 open reading frame 186 (C1orf186), mRNA [NM_001007544]	10.85	down	1934
A_21_P0006503	ZC3H12B	zinc finger CCCH-type containing 12B [Source:HGNC Symbol;Acc:HGNC:17407] [ENST00000617377]	32.87	down	1935
A_23_P143173	SLA2	Homo sapiens Src-like-adaptor 2 (SLA2), transcript variant 1, mRNA [NM_032214]	7.32	down	1936
A_21_P0011544		PREDICTED: Homo sapiens uncharacterized LOC102724183 (LOC102724183), mRNA [XM_006710033]	9.78	down	1937
A_33_P3224735	ZC3H12B	Homo sapiens zinc finger CCCH-type containing 12B (ZC3H12B), mRNA [NM_001010888]	82.79	down	1938
A_23_P41476	SHISA3	Homo sapiens shisa family member 3 (SHISA3), mRNA [NM_001080505]	167.77	down	1939
A_23_P79259	SH3BP4	Homo sapiens SH3-domain binding protein 4 (SH3BP4), mRNA [NM_014521]	28.21	down	1940
A_33_P3495234	ORF1	Homo sapiens partial mRNA for hypothetical protein (ORF1), clone pT-Adv JuaX22. [AJ276510]	12.57	down	1941
A_21_P0002910		AGENCOURT_10197749 NIH_MGC_126 Homo sapiens cDNA clone IMAGE:6559929 5', mRNA sequence [BU533525]	7.40	down	1942
A_33_P3231833			2.97	down	1943
A_23_P330788	IQSEC2	Homo sapiens IQ motif and Sec7 domain 2 (IQSEC2), transcript variant 2, mRNA [NM_015075]	5.20	down	1944
A_23_P414519	NRN1	Homo sapiens neuritin 1 (NRN1), transcript variant 1, mRNA [NM_016588]	7.57	down	1945
A_23_P418015	MAPRE2	Homo sapiens microtubule-associated protein, RP/EB family, member 2 (MAPRE2), transcript variant 1, mRNA [NM_014268]	2.53	down	1946
A_23_P90357	TBXA2R	Homo sapiens thromboxane A2 receptor (TBXA2R), transcript variant a, mRNA [NM_001060]	9.09	down	1947
A_24_P258846	NFATC1	Homo sapiens nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1 (NFATC1), transcript variant 1, mRNA [NM_172390]	4.49	down	1948
A_19_P00809076	KANSL1-AS1	Homo sapiens KANSL1 antisense RNA 1 (KANSL1-AS1), long non-coding RNA [NR_034172]	4.90	down	1949
A_21_P0009839	Inc-FAM182A-2	RST14851 Athersys RAGE Library Homo sapiens cDNA, mRNA sequence [BG195658]	7.51	down	1950
A_24_P930756	SCML4	sex comb on midleg-like 4 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:21397] [ENST00000459992]	5.75	down	1951
A_21_P0004347	Inc-CCDC127-2	LNCipedia lincRNA (Inc-CCDC127-2), lincRNA [Inc-CCDC127-2:1]	32.72	down	1952
A_33_P3226995	CD7	Homo sapiens CD7 molecule (CD7), mRNA [NM_006137]	5.67	down	1953
A_24_P308229	AIM1L	Homo sapiens absent in melanoma 1-like (AIM1L), mRNA [NM_001039775]	4.29	down	1954
A_23_P502035	GALT	Homo sapiens galactose-1-phosphate uridylyltransferase (GALT), transcript variant 1, mRNA [NM_000155]	2.66	down	1955
A_33_P3339575		Homo sapiens cDNA FLJ44880 fis, clone BRAMY2035801. [AK126828]	2.31	down	1956
A_23_P111865	ZSCAN21	Homo sapiens zinc finger and SCAN domain containing 21 (ZSCAN21), mRNA [NM_145914]	2.66	down	1957
A_23_P6818	SEMA3G	Homo sapiens sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3G (SEMA3G), mRNA [NM_020163]	5.63	down	1958
A_33_P3261246	RPL37	Homo sapiens ribosomal protein L37 (RPL37), mRNA [NM_000997]	2.18	down	1959
A_23_P68700	DNAJC28	Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 28 (DNAJC28), transcript variant 1, mRNA [NM_017833]	5.67	down	1960
A_24_P64329	STK32C	Homo sapiens serine/threonine kinase 32C (STK32C), mRNA [NM_173575]	11.32	down	1961
A_23_P101905	APC2	Homo sapiens adenomatosis polyposis coli 2 (APC2), mRNA [NM_005883]	28.59	down	1962
A_32_P799227	NUTM2B	Homo sapiens NUT family member 2B (NUTM2B), mRNA [NM_001278495]	2.38	down	1963
A_23_P87323	COMMD9	Homo sapiens COMM domain containing 9 (COMMD9), transcript variant 1, mRNA [NM_014186]	2.46	down	1964
A_19_P00315868		deleted in lymphocytic leukemia 1 (non-protein coding) [Source:HGNC Symbol;Acc:HGNC:13747] [ENST00000483169]	8.73	down	1965
A_23_P209449	FZD7	Homo sapiens frizzled class receptor 7 (FZD7), mRNA [NM_003507]	5.13	down	1966
A_24_P336853	PNO1	Homo sapiens partner of NOB1 homolog (S. cerevisiae) (PNO1), mRNA [NM_020143]	2.08	down	1967
A_33_P3310754			2.54	down	1968
A_23_P91015	SMYD5	Homo sapiens SMYD family member 5 (SMYD5), mRNA [NM_006062]	2.10	down	1969
A_21_P0000946	LOC102724539	Homo sapiens uncharacterized LOC102724539 (LOC102724539), long non-coding RNA [NR_125998]	3.94	down	1970
A_33_P3367356		Homo sapiens chromosome 15 open reading frame 45, mRNA (cDNA clone MGC:168991 IMAGE:9021368), complete cds. [BC137370]	3.39	down	1971
A_23_P166566	EFCC1	Homo sapiens EF-hand and coiled-coil domain containing 1 (EFCC1), mRNA [NM_024768]	2.53	down	1972
A_33_P3387991	CEBPE	Homo sapiens CCAAT/enhancer binding protein (CEBP), epsilon (CEBPE), mRNA [NM_001805]	9.24	down	1973
A_33_P3289701	OR2T12	Homo sapiens olfactory receptor, family 2, subfamily T, member 12 (OR2T12), mRNA [NM_001004692]	2.47	down	1974
A_33_P3333762	LRR1Q4	Homo sapiens leucine-rich repeats and IQ motif containing 4 (LRR1Q4), mRNA [NM_001080460]	2.81	down	1975
A_33_P3309561	PTPRJ	Homo sapiens protein tyrosine phosphatase, receptor type, J (PTPRJ), transcript variant 2, mRNA [NM_001098503]	3.37	down	1976
A_23_P30020	PLA2G12A	Homo sapiens phospholipase A2, group X1A (PLA2G12A), mRNA [NM_030821]	2.14	down	1977
A_23_P121374	SEMA5B	Homo sapiens sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B (SEMA5B), transcript variant 1, mRNA [NM_001031702]	2.91	down	1978
A_23_P119344	TEAD2	Homo sapiens TEA domain family member 2 (TEAD2), transcript variant 5, mRNA [NM_003598]	4.31	down	1979
A_23_P143414	ROMO1	Homo sapiens reactive oxygen species modulator 1 (ROMO1), mRNA [NM_080748]	2.11	down	1980
A_33_P3213797	KCNK7	Homo sapiens potassium channel, two pore domain subfamily K, member 7 (KCNK7), transcript variant C, mRNA [NM_005714]	6.25	down	1981
A_24_P921321	PTPRJ	Homo sapiens protein tyrosine phosphatase, receptor type, J (PTPRJ), transcript variant 1, mRNA [NM_002843]	9.68	down	1982
A_32_P180958	PCYOX1	Homo sapiens prenylcysteine oxidase 1 (PCYOX1), mRNA [NM_016297]	2.61	down	1983
A_21_P0013169	XLOC_i2_013267	BROAD Institute lincRNA (XLOC_i2_013267), lincRNA [TCONS_i2_00025628]	3.01	down	1984
A_33_P3357858	ZNF815P	Homo sapiens zinc finger protein 815, pseudogene (ZNF815P), non-coding RNA [NR_023382]	2.99	down	1985
A_33_P3316661	C12orf42	Homo sapiens chromosome 12 open reading frame 42 (C12orf42), transcript variant 5, non-coding RNA [NR_103526]	7.01	down	1986
A_21_P0004231	Inc-FAM105B-3	LNCipedia lincRNA (Inc-FAM105B-3), lincRNA [Inc-FAM105B-3:2]	2.01	down	1987
A_32_P75357	KLHL14	kelch-like family member 14 [Source:HGNC Symbol;Acc:HGNC:29266] [ENST00000358095]	5.61	down	1988
A_23_P216340	SLA	Homo sapiens Src-like-adaptor (SLA), transcript variant 1, mRNA [NM_001045556]	209.56	down	1989
A_33_P3227793	CGREF1	Homo sapiens cell growth regulator with EF-hand domain 1 (CGREF1), transcript variant 1, mRNA [NM_006569]	42.95	down	1990
A_23_P370830	KLHL14	Homo sapiens kelch-like family member 14 (KLHL14), mRNA [NM_020805]	190.98	down	1991
A_21_P0000728	RASSF8-AS1	Homo sapiens RASSF8 antisense RNA 1 (RASSF8-AS1), transcript variant 1, long non-coding RNA [NR_038227]	18.36	down	1992
A_21_P0006502	Inc-ZC3H12B-2	LNCipedia lincRNA (Inc-ZC3H12B-2), lincRNA [Inc-ZC3H12B-2:2]	141.10	down	1993
A_33_P3310567		BCL2/adenovirus E1B 19kDa interacting protein 3 pseudogene 41 [Source:HGNC Symbol;Acc:HGNC:49721] [ENST00000616656]	1504.80	down	1994
A_33_P3387691	SCML4	Homo sapiens sex comb on midleg-like 4 (Drosophila) (SCML4), transcript variant 1, mRNA [NM_198081]	71.21	down	1995



A_32_P107029	NAPSA	Homo sapiens napsin A aspartic peptidase (NAPSA), mRNA [NM_004851]	4.00	down	1996
A_33_P3229552	LRFN1	Homo sapiens leucine rich repeat and fibronectin type III domain containing 1 (LRFN1), mRNA [NM_020862]	2.72	down	1997
A_23_P142407	ZNF101	Homo sapiens zinc finger protein 101 (ZNF101), transcript variant 1, mRNA [NM_033204]	2.06	down	1998
A_21_P0000674	LOC100289473	Homo sapiens cytoskeleton associated protein 2-like pseudogene (LOC100289473), non-coding RNA [NR_037142]	6.96	down	1999
A_33_P3229246	HIST2H2BE	Homo sapiens histone cluster 2, H2be (HIST2H2BE), mRNA [NM_003528]	2.24	down	2000
A_33_P3404697	PSTK	Homo sapiens phosphoseryl-tRNA kinase (PSTK), mRNA [NM_153336]	3.60	down	2001
A_23_P12866	PSTK	Homo sapiens phosphoseryl-tRNA kinase (PSTK), mRNA [NM_153336]	3.83	down	2002
A_24_P298360	LTBP3	Homo sapiens latent transforming growth factor beta binding protein 3 (LTBP3), transcript variant 2, mRNA [NM_021070]	4.17	down	2003
A_21_P0008632	lnc-MAPK6-10	LNCipedia lincRNA (lnc-MAPK6-10), lincRNA [lnc-MAPK6-10:3]	2.36	down	2004
A_21_P0003033	lnc-TRH-2	LNCipedia lincRNA (lnc-TRH-2), lincRNA [lnc-TRH-2:1]	4.30	down	2005
A_33_P3225567	TRMT2B	Homo sapiens tRNA methyltransferase 2 homolog B (S. cerevisiae) (TRMT2B), transcript variant 1, mRNA [NM_024917]	2.55	down	2006
A_33_P3249976	JAM2	Homo sapiens junctional adhesion molecule 2 (JAM2), transcript variant 1, mRNA [NM_021219]	8.28	down	2007
A_33_P3400334	LOC100130372	Homo sapiens cDNA FLJ45625 fis, clone BRTHA3028505. [AK127532]	11.53	down	2008
A_24_P403303	PHF20L1	Homo sapiens PHD finger protein 20-like 1 (PHF20L1), transcript variant 3, mRNA [NM_198513]	3.22	down	2009
A_23_P119835	NLR4	Homo sapiens NLR family, CARD domain containing 4 (NLR4), transcript variant 1, mRNA [NM_021209]	15.81	down	2010
A_21_P0013727	LOC101928413	PREDICTED: Homo sapiens uncharacterized LOC101928413 (LOC101928413), ncRNA [XR_252552]	8.58	down	2011
A_33_P3283044	MTCL1	Homo sapiens microtubule crosslinking factor 1 (MTCL1), mRNA [NM_015210]	16.82	down	2012
A_33_P3366336	SBK1	Homo sapiens SH3 domain binding kinase 1 (SBK1), mRNA [NM_001024401]	13.32	down	2013
A_33_P3252539	HIGD1C	Homo sapiens HIG1 hypoxia inducible domain family, member 1C (HIGD1C), mRNA [NM_001109619]	4.18	down	2014
A_24_P105933	VIPR1	Homo sapiens vasoactive intestinal peptide receptor 1 (VIPR1), transcript variant 1, mRNA [NM_004624]	8.67	down	2015
A_23_P39718	FEZ2	Homo sapiens fasciculation and elongation protein zeta 2 (zygin II) (FEZ2), transcript variant 2, mRNA [NM_001042548]	2.82	down	2016
A_21_P0011937	XLOC_I2_008140	BROAD Institute lincRNA (XLOC_I2_008140), lincRNA [TCONS_I2_00014712]	2.46	down	2017
A_33_P3653912	FAHD2A	fumarylacetoacetate hydrolase domain containing 2A [Source:HGNC Symbol;Acc:HGNC:24252] [ENST00000233379]	2.61	down	2018
A_23_P86855	MACROD1	Homo sapiens MACRO domain containing 1 (MACROD1), mRNA [NM_014067]	2.45	down	2019
A_21_P0004527	lnc-TCF7-3	LNCipedia lincRNA (lnc-TCF7-3), lincRNA [lnc-TCF7-3:1]	4.54	down	2020
A_23_P253586	DOPEY2	Homo sapiens dopey family member 2 (DOPEY2), mRNA [NM_005128]	3.01	down	2021
A_23_P348063	SYNGR1	Homo sapiens synaptogyrin 1 (SYNGR1), transcript variant 1a, mRNA [NM_004711]	2.34	down	2022
A_21_P0010093	lnc-NCOA3-9	LNCipedia lincRNA (lnc-NCOA3-9), lincRNA [lnc-NCOA3-9:4]	2.81	down	2023
A_23_P55936	FCGRT	Homo sapiens Fc fragment of IgG, receptor, transporter, alpha (FCGRT), transcript variant 2, mRNA [NM_004107]	2.78	down	2024
A_19_P00323454	KANSL1-AS1	Homo sapiens KANSL1 antisense RNA 1 (KANSL1-AS1), long non-coding RNA [NR_034172]	7.07	down	2025
A_33_P3211956	RGS19	Homo sapiens regulator of G-protein signaling 19 (RGS19), transcript variant 1, mRNA [NM_005873]	4.63	down	2026
A_21_P0002854		BX097419 Soares_testis_NHT Homo sapiens cDNA clone IMAGp998O191785, mRNA sequence [BX097419]	3.03	down	2027
A_23_P145935	EPHB6	Homo sapiens EPH receptor B6 (EPHB6), transcript variant 1, mRNA [NM_004445]	7.68	down	2028
A_32_P475513	MYO15B	Homo sapiens myosin XVb pseudogene (MYO15B), non-coding RNA [NR_003587]	2.96	down	2029
A_21_P0003461	lnc-ATP8A1-1	LNCipedia lincRNA (lnc-ATP8A1-1), lincRNA [lnc-ATP8A1-1:1]	10.04	down	2030
A_23_P165952	ACTR5	Homo sapiens ARP5 actin-related protein 5 homolog (yeast) (ACTR5), mRNA [NM_024855]	2.67	down	2031
A_33_P3302881	KLHL31	Homo sapiens kelch-like family member 31 (KLHL31), mRNA [NM_001003760]	11.40	down	2032
A_23_P167509	CYFIP2	Homo sapiens cytoplasmic FMR1 interacting protein 2 (CYFIP2), transcript variant 3, mRNA [NM_014376]	2.84	down	2033
A_23_P348524	LKAAEAR1	Homo sapiens LKAAEAR motif containing 1 (LKAAEAR1), mRNA [NM_001007125]	12.45	down	2034
A_33_P3309526	PTPRC	Homo sapiens protein tyrosine phosphatase, receptor type, C (PTPRC), transcript variant 1, mRNA [NM_002838]	5.47	down	2035
A_23_P45475	GLA	Homo sapiens galactosidase, alpha (GLA), mRNA [NM_000169]	2.66	down	2036
A_23_P97394	BCAR3	Homo sapiens breast cancer anti-estrogen resistance 3 (BCAR3), transcript variant 2, mRNA [NM_003567]	5.52	down	2037
A_33_P3258824	NOTCH2	Homo sapiens notch 2 (NOTCH2), transcript variant 2, mRNA [NM_001200001]	11.78	down	2038
A_33_P3349469	ATAD3A	Homo sapiens ATPase family, AAA domain containing 3A (ATAD3A), transcript variant 1, mRNA [NM_018188]	2.27	down	2039
A_23_P70991	AIMP2	Homo sapiens aminoacyl tRNA synthetase complex-interacting multifunctional protein 2 (AIMP2), mRNA [NM_006303]	2.57	down	2040
A_24_P734953	TRNP1	Homo sapiens TMF1-regulated nuclear protein 1 (TRNP1), mRNA [NM_001013642]	9.57	down	2041
A_24_P944040	RRP1B	Homo sapiens ribosomal RNA processing 1B (RRP1B), mRNA [NM_015056]	2.38	down	2042
A_24_P224727	CEBPA	Homo sapiens CCAAT/enhancer binding protein (CEBP), alpha (CEBPA), transcript variant 1, mRNA [NM_004364]	60.72	down	2043
A_21_P0011891	XLOC_I2_007834	BROAD Institute lincRNA (XLOC_I2_007834), lincRNA [TCONS_I2_00014337]	4.25	down	2044
A_33_P3275510	C20orf196	chromosome 20 open reading frame 196 [Source:HGNC Symbol;Acc:HGNC:26318] [ENST00000303142]	2.49	down	2045
A_23_P2317	DDN	Homo sapiens dendrin (DDN), mRNA [NM_015086]	2.36	down	2046
A_32_P12610	E2F6	Homo sapiens E2F transcription factor 6 (E2F6), transcript variant a, mRNA [NM_198256]	2.03	down	2047
A_23_P139500	BHLHE41	Homo sapiens basic helix-loop-helix family, member e41 (BHLHE41), mRNA [NM_030762]	283.45	down	2048
A_21_P0009803		PREDICTED: Homo sapiens uncharacterized LOC102723540 (LOC102723540), ncRNA [XR_424978]	6.85	down	2049
A_23_P29096	PDE9A	Homo sapiens phosphodiesterase 9A (PDE9A), transcript variant 1, mRNA [NM_002606]	45.98	down	2050
A_23_P401709	C20orf196	chromosome 20 open reading frame 196 [Source:HGNC Symbol;Acc:HGNC:26318] [ENST00000445603]	2.50	down	2051
A_24_P238543	PHKA1	Homo sapiens phosphorylase kinase, alpha 1 (muscle) (PHKA1), transcript variant 1, mRNA [NM_002637]	10.04	down	2052
A_23_P208182	SIGLEC10	Homo sapiens sialic acid binding Ig-like lectin 10 (SIGLEC10), transcript variant 1, mRNA [NM_033130]	10.04	down	2053
A_23_P24960	NARS2	Homo sapiens asparaginyl-tRNA synthetase 2, mitochondrial (putative) (NARS2), transcript variant 1, mRNA [NM_024678]	2.26	down	2054
A_23_P160751	FCRL2	Homo sapiens Fc receptor-like 2 (FCRL2), transcript variant 1, mRNA [NM_030764]	275.00	down	2055
A_23_P402319	GAPT	GRB2-binding adaptor protein, transmembrane [Source:HGNC Symbol;Acc:HGNC:26588] [ENST00000318469]	15.45	down	2056
A_23_P207632	ATP2A3	Homo sapiens ATPase, Ca++ transporting, ubiquitous (ATP2A3), transcript variant 5, mRNA [NM_174953]	3.65	down	2057
A_24_P160969	TP53I11	Homo sapiens tumor protein p53 inducible protein 11 (TP53I11), transcript variant 1, mRNA [NM_001258320]	8.28	down	2058

A_33_P3404814	GNAO1	Homo sapiens guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O (GNAO1), transcript variant 1, mRNA [NM_020988]	11.49	down	2059
A_33_P3217719	TLE1	Homo sapiens transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila) (TLE1), transcript variant 1, mRNA [NM_001303103]	2.03	down	2060
A_23_P125809	ZCCHC12	Homo sapiens zinc finger, CCHC domain containing 12 (ZCCHC12), mRNA [NM_173798]	8.36	down	2061
A_23_P41487	TBC1D9	Homo sapiens TBC1 domain family, member 9 (with GRAM domain) (TBC1D9), mRNA [NM_015130]	3.89	down	2062
A_23_P396724	LRRC43	Homo sapiens leucine rich repeat containing 43 (LRRC43), transcript variant 2, mRNA [NM_152759]	5.11	down	2063
A_23_P321354	TMEM71	Homo sapiens transmembrane protein 71 (TMEM71), transcript variant 1, mRNA [NM_144649]	36.27	down	2064
A_33_P3245110		nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 52 [Source:HGNC Symbol;Acc:HGNC:45231] [ENST00000518264]	8.18	down	2065
A_24_P319647	FCRL2	Homo sapiens Fc receptor-like 2 (FCRL2), transcript variant 1, mRNA [NM_030764]	39.59	down	2066
A_23_P42882	CAMK2B	Homo sapiens calcium/calmodulin-dependent protein kinase II beta (CAMK2B), transcript variant 6, mRNA [NM_172082]	10.38	down	2067
A_23_P331049	DPYSL4	Homo sapiens dihydropyrimidinase-like 4 (DPYSL4), mRNA [NM_006426]	36.07	down	2068
A_21_P0010640	XLOC_I2_001037	BROAD Institute lincRNA (XLOC_I2_001037), lincRNA [TCONS_I2_00001430]	3.37	down	2069
A_23_P52298	NPM3	Homo sapiens nucleophosmin/nucleoplamin 3 (NPM3), mRNA [NM_006993]	2.63	down	2070
A_23_P27400	HAS1	Homo sapiens hyaluronan synthase 1 (HAS1), transcript variant 1, mRNA [NM_001523]	3.69	down	2071
A_33_P3416301	E2F6	Homo sapiens E2F transcription factor 6 (E2F6), transcript variant f, mRNA [NM_212540]	2.02	down	2072
A_24_P120109	DHX57	Homo sapiens DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57 (DHX57), mRNA [NM_198963]	2.39	down	2073
A_19_P00811348	lnc-SNURF-1	LNCipedia lincRNA (lnc-SNURF-1), lincRNA [lnc-SNURF-1:3]	3.82	down	2074
A_21_P0003748	LOC101928864	PREDICTED: Homo sapiens uncharacterized LOC101928864 (LOC101928864), ncRNA [XR_244659]	3.67	down	2075
A_23_P414913	GLIPR2	Homo sapiens GLI pathogenesis-related 2 (GLIPR2), transcript variant 1, mRNA [NM_022343]	14.80	down	2076
A_24_P168416	PRDX2	Homo sapiens peroxiredoxin 2 (PRDX2), mRNA [NM_005809]	2.15	down	2077
A_33_P3369760	GLIPR2	Homo sapiens GLI pathogenesis-related 2 (GLIPR2), transcript variant 3, mRNA [NM_001287011]	8.70	down	2078
A_23_P131825	TNNC2	Homo sapiens troponin C type 2 (fast) (TNNC2), mRNA [NM_003279]	12.12	down	2079
A_23_P50946	RAMP1	Homo sapiens receptor (G protein-coupled) activity modifying protein 1 (RAMP1), mRNA [NM_005855]	86.96	down	2080
A_23_P19182	REEP2	Homo sapiens receptor accessory protein 2 (REEP2), transcript variant 2, mRNA [NM_016606]	5.72	down	2081
A_23_P113656	TUBB4A	Homo sapiens tubulin, beta 4A class IVa (TUBB4A), transcript variant 3, mRNA [NM_006087]	3.05	down	2082
A_23_P336513	GEMIN5	Homo sapiens gem (nuclear organelle) associated protein 5 (GEMIN5), transcript variant 1, mRNA [NM_015465]	2.31	down	2083
A_21_P0014472		ALU1_HUMAN (P39188) Alu subfamily J sequence contamination warning entry, partial (13%) [THC2757892]	3.12	down	2084
A_23_P80162	TMPRSS3	Homo sapiens transmembrane protease, serine 3 (TMPRSS3), transcript variant D, mRNA [NM_032405]	28.04	down	2085
A_24_P270999	SCN4A	Homo sapiens sodium channel, voltage gated, type IV alpha subunit (SCN4A), mRNA [NM_000334]	7.33	down	2086
A_21_P0009825	LOC101929371	Homo sapiens uncharacterized LOC101929371 (LOC101929371), long non-coding RNA [NR_109861]	4.81	down	2087
A_33_P3246863	PRMT7	protein arginine methyltransferase 7 [Source:HGNC Symbol;Acc:HGNC:25557] [ENST00000565356]	4.53	down	2088
A_23_P122852	SMARCD3	Homo sapiens SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 (SMARCD3), transcript variant 2, mRNA [NM_003078]	6.51	down	2089
A_33_P3254708	ARHGAP40	Homo sapiens Rho GTPase activating protein 40 (ARHGAP40), mRNA [NM_001164431]	2.31	down	2090
A_33_P3494748	TMEM65	Homo sapiens transmembrane protein 65 (TMEM65), mRNA [NM_194291]	29.54	down	2091
A_24_P416257	GGA2	Homo sapiens golgi-associated, gamma adaptin ear containing, ARF binding protein 2 (GGA2), mRNA [NM_015044]	2.33	down	2092
A_21_P0000661	SNHG4	Homo sapiens small nucleolar RNA host gene 4 (non-protein coding) (SNHG4), transcript variant 2, long non-coding RNA [NR_036536]	3.17	down	2093
A_23_P84344	SIGIRR	Homo sapiens single immunoglobulin and toll-interleukin 1 receptor (TIR) domain (SIGIRR), transcript variant 3, mRNA [NM_021805]	3.35	down	2094
A_23_P164100	C17orf64	Homo sapiens chromosome 17 open reading frame 64 (C17orf64), mRNA [NM_181707]	2.72	down	2095
A_33_P3359084	TAS1R3	taste receptor, type 1, member 3 [Source:HGNC Symbol;Acc:HGNC:15661] [ENST00000339381]	12.44	down	2096
A_19_P00318860	lnc-SNURF-1	LNCipedia lincRNA (lnc-SNURF-1), lincRNA [lnc-SNURF-1:3]	3.40	down	2097
A_19_P00809417	ATF7IP2	activating transcription factor 7 interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:20397] [ENST00000570163]	2.56	down	2098
A_19_P00805833	ATF7IP2	activating transcription factor 7 interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:20397] [ENST00000570163]	2.68	down	2099
A_33_P3223577		Q2J851_FRASC (Q2J851) ATPases involved in chromosome partitioning-like, partial (5%) [THC2515563]	2.85	down	2100
A_24_P34545	ING5	Homo sapiens inhibitor of growth family, member 5 (ING5), mRNA [NM_032329]	2.13	down	2101
A_21_P0010286	lnc-PRDM15-1	LNCipedia lincRNA (lnc-PRDM15-1), lincRNA [lnc-PRDM15-1:1]	5.12	down	2102
A_19_P00319540	lnc-SNURF-1	LNCipedia lincRNA (lnc-SNURF-1), lincRNA [lnc-SNURF-1:3]	4.03	down	2103
A_32_P172141	CDON	Homo sapiens cell adhesion associated, oncogene regulated (CDON), transcript variant 2, mRNA [NM_016952]	5.66	down	2104
A_33_P3220352	CNPY1	Homo sapiens canopy FGF signaling regulator 1 (CNPY1), mRNA [NM_001103176]	16.20	down	2105
A_23_P137139	BTK	Homo sapiens Bruton agammaglobulinemia tyrosine kinase (BTK), transcript variant 1, mRNA [NM_000061]	4.52	down	2106
A_23_P13914	DHX37	Homo sapiens DEAH (Asp-Glu-Ala-His) box polypeptide 37 (DHX37), mRNA [NM_032656]	2.02	down	2107
A_23_P71146	POLD2	Homo sapiens polymerase (DNA directed), delta 2, accessory subunit (POLD2), transcript variant 2, mRNA [NM_006230]	2.28	down	2108
A_21_P0002218	EML6	echinoderm microtubule associated protein like 6 [Source:HGNC Symbol;Acc:HGNC:35412] [ENST00000496970]	5.09	down	2109
A_32_P50223	PLK5	Homo sapiens polo-like kinase 5 (PLK5), mRNA [NM_001243079]	5.96	down	2110
A_33_P3263614	ASAP3	Homo sapiens ArfGAP with SH3 domain, ankyrin repeat and PH domain 3 (ASAP3), transcript variant 2, mRNA [NM_001143778]	2.23	down	2111
A_33_P3322864	HES6	Homo sapiens hes family bHLH transcription factor 6 (HES6), transcript variant 1, mRNA [NM_018645]	3.24	down	2112
A_23_P255672	ABLIM2	Homo sapiens actin binding LIM protein family, member 2 (ABLIM2), transcript variant 6, mRNA [NM_032432]	23.72	down	2113
A_33_P3259203	TMEM255B	transmembrane protein 255B [Source:HGNC Symbol;Acc:HGNC:28297] [ENST00000375353]	6.57	down	2114
A_24_P787897	XYLT1	Homo sapiens xylosyltransferase I (XYLT1), mRNA [NM_022166]	13.83	down	2115
A_23_P403745	MTSS1L	Homo sapiens metastasis suppressor 1-like (MTSS1L), mRNA [NM_138383]	46.73	down	2116
A_23_P159907	MAGED4B	Homo sapiens melanoma antigen family D, 4B (MAGED4B), transcript variant 1, mRNA [NM_030801]	53.18	down	2117
A_33_P3421480	LOC100133145	Homo sapiens cDNA FLJ42570 fis, clone BRACE3007767. [AK124561]	2.27	down	2118
A_23_P346900	CACNA2D2	Homo sapiens calcium channel, voltage-dependent, alpha 2/delta subunit 2 (CACNA2D2), transcript variant 1, mRNA [NM_001005505]	19.14	down	2119

A_33_P3280945	SNHG3	Homo sapiens small nucleolar RNA host gene 3 (non-protein coding) (SNHG3), transcript variant 1, long non-coding RNA [NR_036473]	3.23	down	2120
A_33_P3331588	ATAD3B	Homo sapiens ATPase family, AAA domain containing 3B (ATAD3B), mRNA [NM_031921]	2.23	down	2121
A_24_P195669	MYO15B	myosin XVB pseudogene [Source:HGNC Symbol;Acc:HGNC:14083] [ENST00000581866]	9.24	down	2122
A_24_P396753	TRIB2	Homo sapiens tribbles pseudokinase 2 (TRIB2), transcript variant 1, mRNA [NM_021643]	7.56	down	2123
A_32_P46840	LOC729680	Homo sapiens cDNA FLJ33345 fis, clone BRACE2003713. [AK090664]	10.10	down	2124
A_23_P345692	IL17D	Homo sapiens interleukin 17D (IL17D), mRNA [NM_138284]	12.15	down	2125
A_32_P194264	CHAC2	Homo sapiens ChaC, cation transport regulator homolog 2 (E. coli) (CHAC2), mRNA [NM_001008708]	2.24	down	2126
A_21_P0007694	lnc-BHLHE41-2	LNCipedia lincRNA (lnc-BHLHE41-2), lincRNA [lnc-BHLHE41-2:12]	109.15	down	2127

**Table S2. TP53 mutational status in MCL cell line models**

<b>Cell line</b>	<b>BCR category</b>	<b>TP53 mutational status</b>	<b>Variant Allele Frequency</b>
<b>Jeko-1</b>	High	c.173del,p.P58Qfs*65	96%
<b>Rec-1</b>	High	c.734G>A,p.G245D; c.949C>T,p.Q397X	48%; 56%
<b>Mino</b>	High	c.440T>G,p.V147G	100%
<b>Granta-519</b>	Low	wt	
<b>JVM-2</b>	Low	c.659A>G,p.Y220C	15%
<b>Z-138</b>	Low	wt	