

## **Supplemental Material**

# **The Antitumoral Effect of the S-Adenosylhomocysteine Hydrolase Inhibitor, 3-Deazaneplanocin A, is Independent of EZH2 but is Correlated with EGFR Downregulation in Chondrosarcomas**

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***Legends of supplementary figures***

**Suppl figure 1: Pretreatment with DZNep reduced CS implantation and growth in xenograft mice model**

CH2879 cells were treated with DZNep (1  $\mu$ M) for 5 days before subcutaneous grafting in *nude* mice.

(A) Tumors were measured regularly by a caliper and tumoral volume calculated.

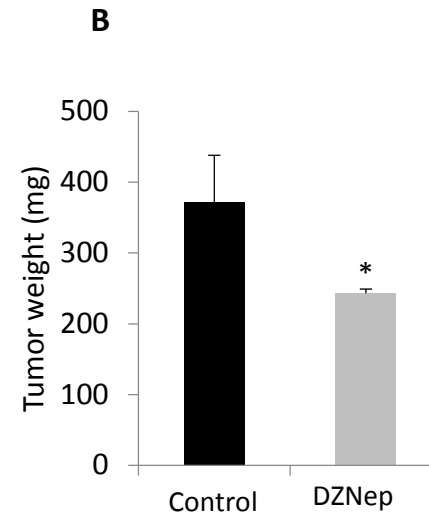
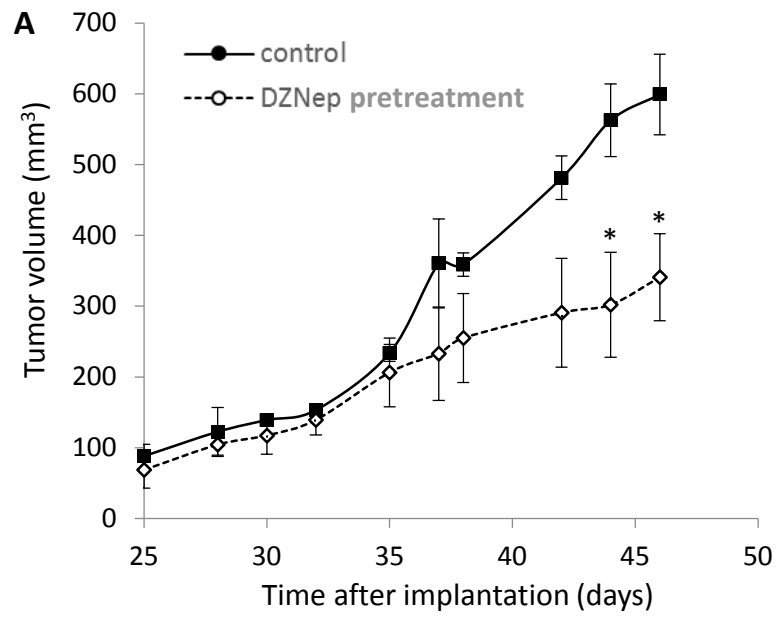
(B) 46 days after cell injection, tumors were weighted.

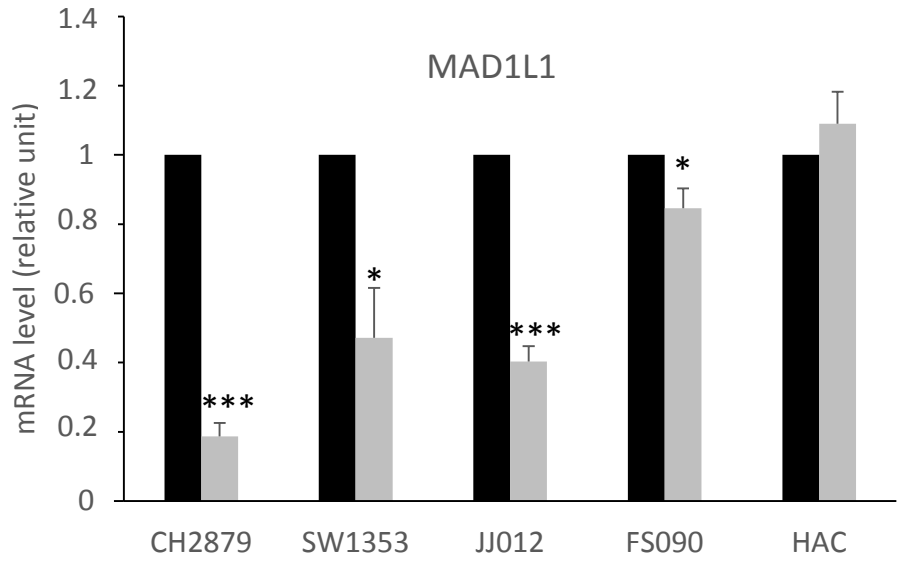
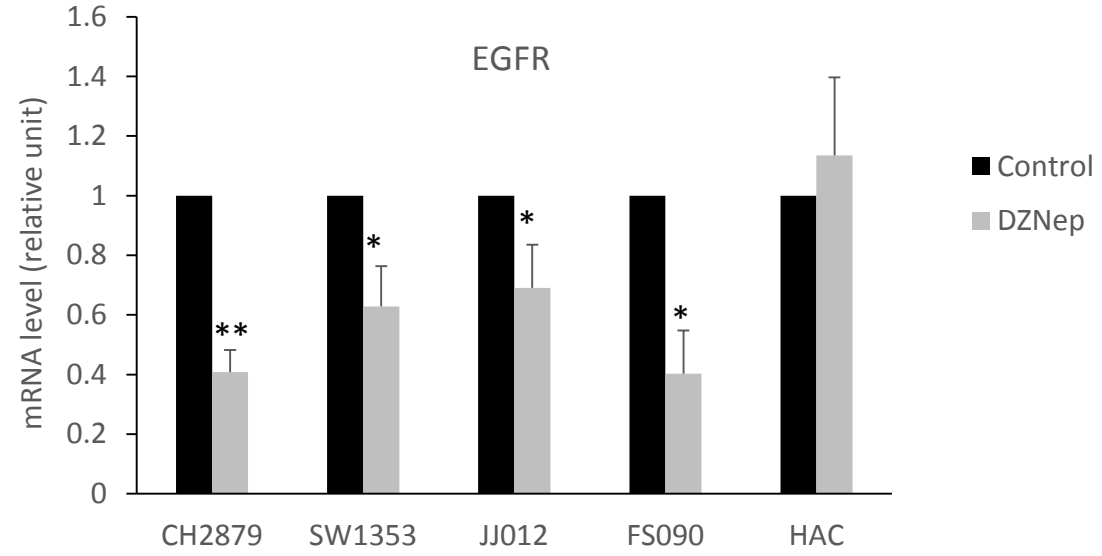
Data are expressed as means  $\pm$  SEM. A total of ten mice were used (five pre-treated and five controls).

**Suppl figure 2: Expression of mRNA of identified genes in DZNep-treated CS and chondrocytes**

*EGFR*, *MAD1L1* mRNA expression was analyzed by RT-PCR from chondrosarcomas and chondrocytes treated with 1  $\mu$ M DZNep for 24 h. Data are expressed as means  $\pm$  SEM (N=3-5).

\*: p-value  $\leq$  0.05.



**A**

**Table S1: Clinical characteristics of primary chondrosarcomas.**

	CS121030	CS141110	CS150409
Grade	1	2	2
Ages (years)	49	53	50
Sexe	Female	Female	Male
Localisation	Femur	Cervical vertebra	Knee

Table S2: Table S2: Genes significantly up-regulated in DZNep-treated versus untreated CH2879 chondrosarcomas in microarray analysis.

ProbeName	Fold change	Gene Symbol	Description
A_33_P3362991	10.55		
A_33_P3271121	10.38		
A_33_P3392250	8.91	FAM178A	Homo sapiens family with sequence similarity 178, member A (FAM178A), transcript variant 3, mRNA [NM_001243770]
A_23_P70448	8.38	HIST1H1A	Homo sapiens histone cluster 1, H1a (HIST1H1A), mRNA [NM_005325]
A_33_P3401397	7.99	C7orf65	Homo sapiens chromosome 7 open reading frame 65 (C7orf65), mRNA [NM_001123065]
A_33_P3212274	7.24	F2R	Homo sapiens coagulation factor II (thrombin) receptor, mRNA (cDNA clone IMAGE:4849569), with apparent retained intron, [BC016059]
A_23_P258483	6.84	ANKRD55	Homo sapiens ankyrin repeat domain 55 (ANKRD55), mRNA [NM_024669]
A_23_P37410	5.98	CYP19A1	Homo sapiens cytochrome P450, family 19, subfamily A, polypeptide 1 (CYP19A1), transcript variant 2, mRNA [NM_031226]
A_23_P321501	5.97	DHRS2	Homo sapiens dehydrogenase/reductase (SDR family) member 2 (DHRS2), transcript variant 1, mRNA [NM_182908]
A_23_P417383	5.58	ASPRV1	Homo sapiens aspartic peptidase, retroviral-like 1 (ASPRV1), mRNA [NM_152792]
A_24_P34155	5.51	RUNX1	Homo sapiens runt-related transcription factor 1 (RUNX1), transcript variant 3, mRNA [NM_001122607]
A_33_P3301876	5.26		
A_33_P3330911	5.18	BCAS1	Homo sapiens breast carcinoma amplified sequence 1 (BCAS1), mRNA [NM_003657]
A_33_P3494979	5.14	Inc-SART3-1	Homo sapiens mRNA; cDNA DKFZp686F0839 (from clone DKFZp686F0839), [BX648662]
A_23_P167983	5.11	HIST1H2AC	histone cluster 1, H2ac [Source:HGNC Symbol;Acc:HGNC:4733] [ENST00000314088]
A_23_P201636	5.00	LAMC2	Homo sapiens laminin, gamma 2 (LAMC2), transcript variant 1, mRNA [NM_005562]
A_24_P522864	4.96	MGC12916	Homo sapiens uncharacterized protein MGC12916 (MGC12916), long non-coding RNA [NR_026880]
A_33_P3800734	4.96	RYR3	Homo sapiens ryanodine receptor 3 (RYR3), transcript variant 1, mRNA [NM_001036]
A_33_P3255434	4.82	MEG3	Homo sapiens maternally expressed 3 (non-protein coding) (MEG3), transcript variant 1, long non-coding RNA [NR_002766]
A_33_P3325866	4.81	FBXL17	Homo sapiens F-box and leucine-rich repeat protein 17, mRNA (cDNA clone IMAGE:30341140), with apparent retained intron, [BC063316]
A_33_P3401402	4.72	C7orf65	Homo sapiens chromosome 7 open reading frame 65 (C7orf65), mRNA [NM_001123065]
A_23_P156826	4.56	ADTRP	Homo sapiens androgen-dependent TFPI-regulating protein (ADTRP), transcript variant 2, mRNA [NM_032744]
A_33_P3268974	4.55	RECQL5	Homo sapiens RecQ protein-like 5 (RECQL5), transcript variant 3, mRNA [NM_001003716]
A_23_P160968	4.49	LAMC2	Homo sapiens laminin, gamma 2 (LAMC2), transcript variant 2, mRNA [NM_018891]
A_33_P3301221	4.48	MORN1	Homo sapiens MORN repeat containing 1 (MORN1), transcript variant 3, non-coding RNA [NR_125361]
A_33_P3237674	4.46		T cell receptor alpha constant [Source:HGNC Symbol;Acc:HGNC:12029] [ENST00000613353]
A_24_P376129	4.36	DFNB31	deafness, autosomal recessive 31 [Source:HGNC Symbol;Acc:HGNC:16361] [ENST00000374057]
A_23_P102681	4.36	LOC79160	Homo sapiens uncharacterized LOC79160 (LOC79160), long non-coding RNA [NR_125359]
A_33_P3344277	4.34	HS1BP3	Homo sapiens HCLS1 binding protein 3, mRNA (cDNA clone IMAGE:5574764), with apparent retained intron, [BC057389]
A_23_P80295	4.25	SYN3	Homo sapiens synapsin III (SYN3), transcript variant IIIa, mRNA [NM_003490]
A_33_P3412900	4.24	CBLN3	Homo sapiens cerebellin 3 precursor (CBLN3), mRNA [NM_001039771]
A_32_P113812	4.17	Inc-EIF2D-1	Q9HBY7_HUMAN (Q9HBY7) Regulatory erythroid kinase long form (Dual-specificity tyrosine-phosphorylation regulated kinase 3 long isoform) (Dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3), partial (4%) [THC2689950]
A_33_P3376140	4.12	KCNJ15	Homo sapiens potassium channel, inwardly rectifying subfamily J, member 15 (KCNJ15), transcript variant 1, mRNA [NM_170736]
A_23_P320159	4.05	TCEANC	Homo sapiens transcription elongation factor A (SII) N-terminal and central domain containing (TCEANC), transcript variant 2, mRNA [NM_001297563]
A_23_P59410	4.01	KIF25	Homo sapiens kinesin family member 25 (KIF25), transcript variant 1, mRNA [NM_030615]
A_23_P78867	3.91	RYR1	Homo sapiens ryanodine receptor 1 (skeletal) (RYR1), transcript variant 1, mRNA [NM_000540]
A_33_P3303956	3.88	HOXA-AS3	Homo sapiens HOXA cluster antisense RNA 3 (HOXA-AS3), transcript variant 1, long non-coding RNA [NR_038831]
A_23_P216340	3.80	SLA	Homo sapiens Src-like-adaptor (SLA), transcript variant 1, mRNA [NM_001045556]
A_24_P332647	3.78	SSH1	Homo sapiens slingshot protein phosphatase 1 (SSH1), transcript variant 3, mRNA [NM_001161331]
A_33_P3272957	3.71	HOXA-AS3	Homo sapiens HOXA cluster antisense RNA 3 (HOXA-AS3), transcript variant 1, long non-coding RNA [NR_038831]
A_23_P65068	3.66	EID3	Homo sapiens EP300 interacting inhibitor of differentiation 3 (EID3), mRNA [NM_001008394]
A_23_P116743	3.65	LINC01089	Homo sapiens long intergenic non-protein coding RNA 1089 (LINC01089), long non-coding RNA [NR_002809]
A_23_P60599	3.65	UGT1A6	Homo sapiens UDP glucuronosyltransferase 1 family, polypeptide A6 (UGT1A6), transcript variant 1, mRNA [NM_001072]
A_33_P3351371	3.65	CYP19A1	Homo sapiens cytochrome P450, family 19, subfamily A, polypeptide 1 (CYP19A1), transcript variant 2, mRNA [NM_031226]
A_33_P3788355	3.63	NAV2-AS4	Homo sapiens NAV2 antisense RNA 4 (NAV2-AS4), long non-coding RNA [NR_033989]
A_33_P3265564	3.60		Q8IZ12_HUMAN (Q8IZ12) EPB41L5 protein, partial (19%) [THC2738856]

A_23_P155057	3.59	CYTH4	Homo sapiens cytohesin 4 (CYTH4), mRNA [NM_013385]
A_33_P3213029	3.56	RNF43	Homo sapiens ring finger protein 43 (RNF43), mRNA [NM_017763]
A_23_P169039	3.56	SNAI2	Homo sapiens snail family zinc finger 2 (SNAI2), mRNA [NM_003068]
A_23_P343398	3.56	CCR7	Homo sapiens chemokine (C-C motif) receptor 7 (CCR7), mRNA [NM_001838]
A_33_P3379061	3.55	C9orf47	Homo sapiens chromosome 9 open reading frame 47 (C9orf47), transcript variant 1, mRNA [NM_001001938]
A_23_P145238	3.50	HIST1H2BK	Homo sapiens histone cluster 1, H2bk (HIST1H2BK), mRNA [NM_080593]
A_33_P3334275	3.50	Inc-LIF-1	3596278H1 FIBPNOT01 Homo sapiens cDNA clone 3596278 5', mRNA sequence [BU584355]
A_33_P3232692	3.48	IL24	Homo sapiens interleukin 24 (IL24), transcript variant 3, mRNA [NM_001185156]
A_23_P17103	3.45	TSGA10	Homo sapiens testis specific, 10 (TSGA10), transcript variant 1, mRNA [NM_025244]
A_23_P66637	3.43	SGCA	Homo sapiens sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein) (SGCA), transcript variant 1, mRNA [NM_000023]
A_24_P148796	3.41	MST1	Homo sapiens macrophage stimulating 1 (hepatocyte growth factor-like) (MST1), mRNA [NM_020998]
A_33_P3235531	3.37	CD1D	Homo sapiens CD1d molecule (CD1D), mRNA [NM_001766]
A_33_P3253214	3.35		histone cluster 2, H2aa4 [Source:HGNC Symbol;Acc:HGNC:29668] [ENST00000607355]
A_23_P96158	3.29	KRT17	Homo sapiens keratin 17, type I (KRT17), mRNA [NM_000422]
A_23_P61149	3.29	INPP5D	Homo sapiens inositol polyphosphate-5-phosphatase, 145kDa (INPP5D), transcript variant 1, mRNA [NM_001017915]
A_23_P78037	3.27	CCL7	Homo sapiens chemokine (C-C motif) ligand 7 (CCL7), mRNA [NM_006273]
A_33_P3307500	3.25	STRA6	Homo sapiens stimulated by retinoic acid 6 (STRA6), transcript variant 5, mRNA [NM_001142620]
A_33_P3236392	3.24	PVRL4	Homo sapiens poliovirus receptor-related 4 (PVRL4), mRNA [NM_030916]
A_33_P3344282	3.21	HS1BP3	Homo sapiens HCLS1 binding protein 3, mRNA (cDNA clone IMAGE:6056200), with apparent retained intron, [BC038847]
A_33_P3283833	3.19	FOXS1	Homo sapiens forkhead box S1 (FOXS1), mRNA [NM_004118]
A_23_P402176	3.19	CCDC42	Homo sapiens coiled-coil domain containing 42 (CCDC42), transcript variant 1, mRNA [NM_144681]
A_33_P3219939	3.19	CUBN	Homo sapiens cubilin (intrinsic factor-cobalamin receptor) (CUBN), mRNA [NM_001081]
A_23_P116614	3.16	ME3	Homo sapiens malic enzyme 3, NADP(+)-dependent, mitochondrial (ME3), transcript variant 2, mRNA [NM_001014811]
A_33_P3240094	3.14	NGEF	neuronal guanine nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:7807] [ENST00000409079]
A_23_P161218	3.14	ANKRD1	Homo sapiens ankyrin repeat domain 1 (cardiac muscle) (ANKRD1), mRNA [NM_014391]
A_24_P101800	3.13	NOL4L	nucleolar protein 4-like [Source:HGNC Symbol;Acc:HGNC:16106] [ENST00000485364]
A_33_P3295333	3.12	CLEC1A	Homo sapiens C-type lectin domain family 1, member A (CLEC1A), transcript variant 4, mRNA [NM_001297750]
A_23_P217379	3.09	COL4A6	Homo sapiens collagen, type IV, alpha 6 (COL4A6), transcript variant B, mRNA [NM_033641]
A_24_P120251	3.08	TM4SF18	Homo sapiens transmembrane 4 L six family member 18 (TM4SF18), transcript variant 1, mRNA [NM_138786]
A_23_P24004	3.07	IFIT2	Homo sapiens interferon-induced protein with tetratricopeptide repeats 2 (IFIT2), mRNA [NM_001547]
A_23_P354908	3.06	NMNAT2	Homo sapiens nicotinamide nucleotide adenyltransferase 2 (NMNAT2), transcript variant 1, mRNA [NM_015039]
A_23_P420373	3.06	DNMT3A	Homo sapiens DNA (cytosine-5-)-methyltransferase 3 alpha (DNMT3A), transcript variant 4, mRNA [NM_175630]
A_33_P3411357	3.06	DGCR11	Homo sapiens DiGeorge syndrome critical region gene 11 (non-protein coding) (DGCR11), long non-coding RNA [NR_024157]
A_24_P129341	3.04	AKR1B10	Homo sapiens aldo-keto reductase family 1, member B10 (aldose reductase) (AKR1B10), mRNA [NM_020299]
A_23_P93641	3.02	AKR1B10	Homo sapiens aldo-keto reductase family 1, member B10 (aldose reductase) (AKR1B10), mRNA [NM_020299]
A_33_P3318668	3.02	CYSRT1	Homo sapiens cysteine-rich tail protein 1 (CYSRT1), mRNA [NM_199001]
A_33_P3397658	3.01	SYNPO	synaptopodin [Source:HGNC Symbol;Acc:HGNC:30672] [ENST00000394243]
A_33_P3395028	2.99	LOC152225	Homo sapiens uncharacterized LOC152225 (LOC152225), long non-coding RNA [NR_026934]
A_24_P943358	2.99	DBF4	Homo sapiens DBF4 zinc finger (DBF4), mRNA [NM_006716]
A_23_P105227	2.98	ME3	Homo sapiens malic enzyme 3, NADP(+)-dependent, mitochondrial (ME3), transcript variant 2, mRNA [NM_001014811]
A_33_P3232504	2.95	CYSRT1	Homo sapiens cysteine-rich tail protein 1 (CYSRT1), mRNA [NM_199001]
A_33_P3401782	2.95	C19orf54	Homo sapiens chromosome 19 open reading frame 54 (C19orf54), mRNA [NM_198476]
A_24_P148717	2.92	CCR1	Homo sapiens chemokine (C-C motif) receptor 1 (CCR1), mRNA [NM_001295]
A_23_P58328	2.92	ANXA10	Homo sapiens annexin A10 (ANXA10), mRNA [NM_007193]
A_23_P325562	2.92	SLC1A7	Homo sapiens solute carrier family 1 (glutamate transporter), member 7 (SLC1A7), transcript variant 4, mRNA [NM_006671]
A_33_P3371588	2.91	FUNDC2	Homo sapiens FUN14 domain containing 2 (FUNDC2), mRNA [NM_023934]
A_23_P207850	2.87	TNS4	Homo sapiens tensin 4 (TNS4), mRNA [NM_032865]
A_33_P3290780	2.87	IL24	Homo sapiens interleukin 24 (IL24), transcript variant 3, mRNA [NM_001185156]
A_33_P3292525	2.85	TMEM201	Homo sapiens transmembrane protein 201 (TMEM201), transcript variant 2, mRNA [NM_001010866]
A_33_P3382100	2.81	IGFN1	Homo sapiens immunoglobulin-like and fibronectin type III domain containing 1 (IGFN1), mRNA [NM_001164586]

A_33_P3310774	2.80	LOC101060498	Homo sapiens uncharacterized LOC101060498 (LOC101060498), transcript variant 1, long non-coding RNA [NR_121640]
A_33_P3666817	2.78	C10orf55	Homo sapiens chromosome 10 open reading frame 55 (C10orf55), mRNA [NM_001001791]
A_23_P160940	2.76	ABCA4	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 4 (ABCA4), mRNA [NM_000350]
A_33_P3330079	2.75	LOC100128242	PREDICTED: Homo sapiens uncharacterized LOC100128242 (LOC100128242), misc_RNA [XR_110532]
A_33_P3391603	2.75	LAMA4	Homo sapiens laminin, alpha 4 (LAMA4), transcript variant 5, mRNA [NM_001105209]
A_23_P143512	2.75	HSF2BP	Homo sapiens heat shock transcription factor 2 binding protein (HSF2BP), mRNA [NM_007031]
A_33_P3315134	2.74	DIRC3	Homo sapiens disrupted in renal carcinoma 3 (DIRC3), long non-coding RNA [NR_026597]
A_33_P3254727	2.74		
A_23_P382065	2.73	EMCN	Homo sapiens endomucin (EMCN), transcript variant 1, mRNA [NM_016242]
A_23_P356965	2.72	CCDC57	coiled-coil domain containing 57 [Source:HGNC Symbol;Acc:HGNC:27564] [ENST00000327026]
A_23_P121106	2.69	HESX1	Homo sapiens HESX homeobox 1 (HESX1), mRNA [NM_003865]
A_23_P52067	2.69	GRHL3	Homo sapiens grainyhead-like 3 (Drosophila) (GRHL3), transcript variant 2, mRNA [NM_198173]
A_33_P3368495	2.69		Homo sapiens cDNA FLJ32505 fis, clone SMINT1000039, [AK057067]
A_33_P3333960	2.69	LINC00426	Homo sapiens long intergenic non-protein coding RNA 426 (LINC00426), long non-coding RNA [NR_024464]
A_33_P3870906	2.68	LOC100507634	Homo sapiens uncharacterized LOC100507634 (LOC100507634), long non-coding RNA [NR_038320]
A_33_P3338121	2.68	LAMB3	Homo sapiens laminin, beta 3 (LAMB3), transcript variant 2, mRNA [NM_001017402]
A_23_P48740	2.67	DIO2	Homo sapiens deiodinase, iodothyronine, type II (DIO2), transcript variant 1, mRNA [NM_013989]
A_32_P211117	2.67	HOXD3	homeobox D3 [Source:HGNC Symbol;Acc:HGNC:5137] [ENST00000459979]
A_33_P3535523	2.66	LOC286068	Homo sapiens, clone IMAGE:3909165, mRNA, [BC015720]
A_23_P110791	2.66	CSF1R	Homo sapiens colony stimulating factor 1 receptor (CSF1R), transcript variant 1, mRNA [NM_005211]
A_23_P316460	2.65	ZBED6CL	Homo sapiens ZBED6 C-terminal like (ZBED6CL), mRNA [NM_138434]
A_33_P3380992	2.65	AKR1B15	Homo sapiens aldo-keto reductase family 1, member B15 (AKR1B15), mRNA [NM_001080538]
A_33_P3285639	2.64	TSGA10	Homo sapiens testis specific, 10 (TSGA10), transcript variant 1, mRNA [NM_025244]
A_23_P31945	2.64	IL33	Homo sapiens interleukin 33 (IL33), transcript variant 1, mRNA [NM_033439]
A_33_P3331916	2.63	LINC00545	Homo sapiens long intergenic non-protein coding RNA 545 (LINC00545), long non-coding RNA [NR_103813]
A_33_P3325978	2.63		AY247741 TRB2 protein [Bos taurus] (exp=-1; wgp=0; cg=0), partial (55%) [THC2607344]
A_33_P3242623	2.62	SLC7A11	Homo sapiens solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11 (SLC7A11), mRNA [NM_014331]
A_23_P360754	2.62	ADAMTS4	Homo sapiens ADAM metalloproteinase with thrombospondin type 1 motif, 4 (ADAMTS4), mRNA [NM_005099]
A_23_P99360	2.62	TRIM13	Homo sapiens tripartite motif containing 13 (TRIM13), transcript variant 3, mRNA [NM_213590]
A_33_P3527721	2.61	LOC284219	Homo sapiens cDNA FLJ37117 fis, clone BRACE202270, [AK094436]
A_23_P431268	2.60	PLEKHA6	Homo sapiens pleckstrin homology domain containing, family A member 6 (PLEKHA6), mRNA [NM_014935]
A_24_P331704	2.59	KRT80	Homo sapiens keratin 80, type II (KRT80), transcript variant 1, mRNA [NM_182507]
A_33_P3407985	2.58	TMEM99	Homo sapiens transmembrane protein 99 (TMEM99), transcript variant 1, mRNA [NM_001195386]
A_23_P301328	2.56	PDXK	pyridoxal (pyridoxine, vitamin B6) kinase [Source:HGNC Symbol;Acc:HGNC:8819] [ENST00000476313]
A_33_P3423121	2.55	RDX	Homo sapiens radixin (RDX), transcript variant 1, mRNA [NM_001260492]
A_23_P4082	2.55	CCT6B	Homo sapiens chaperonin containing TCP1, subunit 6B (zeta 2) (CCT6B), transcript variant 1, mRNA [NM_006584]
A_23_P118571	2.55	SOST	Homo sapiens sclerostin (SOST), mRNA [NM_025237]
A_33_P3361152	2.55	LINC01119	Homo sapiens long intergenic non-protein coding RNA 1119 (LINC01119), long non-coding RNA [NR_024452]
A_33_P3246448	2.55	KCNE4	Homo sapiens potassium channel, voltage gated subfamily E regulatory beta subunit 4 (KCNE4), mRNA [NM_080671]
A_23_P114084	2.55	PHEX	Homo sapiens phosphate regulating endopeptidase homolog, X-linked (PHEX), transcript variant 1, mRNA [NM_000444]
A_23_P133842	2.55	HIST1H1T	Homo sapiens histone cluster 1, H1t (HIST1H1T), mRNA [NM_005323]
A_33_P3321781	2.53		PREDICTED: Homo sapiens uncharacterized LOC645460 (FLJ44342), transcript variant X1, misc_RNA [XR_429999]
A_23_P393025	2.52	SPATA4	spermatogenesis associated 4 [Source:HGNC Symbol;Acc:HGNC:17333] [ENST00000280191]
A_23_P16953	2.52	HTR2B	Homo sapiens 5-hydroxytryptamine (serotonin) receptor 2B, G protein-coupled (HTR2B), mRNA [NM_000867]
A_33_P3261520	2.51		ATPase, H+ transporting, lysosomal accessory protein 1-like [Source:HGNC Symbol;Acc:HGNC:28091] [ENST00000508366]
A_33_P3792328	2.51	LSM3	LSM3 homolog, U6 small nuclear RNA associated (S, cerevisiae) [Source:HGNC Symbol;Acc:HGNC:17874] [ENST00000306024]
A_24_P341674	2.51	DIO2	Homo sapiens deiodinase, iodothyronine, type II (DIO2), transcript variant 1, mRNA [NM_013989]
A_23_P86195	2.50	SLC44A3	Homo sapiens solute carrier family 44, member 3 (SLC44A3), transcript variant 2, mRNA [NM_152369]
A_23_P123596	2.50	GLDC	Homo sapiens glycine dehydrogenase (decarboxylating) (GLDC), mRNA [NM_000170]
A_24_P263653	2.50	DOCK2	Homo sapiens dedicator of cytokinesis 2 (DOCK2), mRNA [NM_004946]



A_33_P3421243	2.49	AFP	Homo sapiens alpha-fetoprotein (AFP), mRNA [NM_001134]
A_23_P253350	2.49	C8orf4	Homo sapiens chromosome 8 open reading frame 4 (C8orf4), mRNA [NM_020130]
A_24_P408704	2.49	DOCK2	Homo sapiens dedicator of cytokinesis 2 (DOCK2), mRNA [NM_004946]
A_32_P8546	2.49	LINC00473	Homo sapiens long intergenic non-protein coding RNA 473 (LINC00473), transcript variant 1, long non-coding RNA [NR_026860]
A_33_P3728698	2.48		
A_24_P54390	2.48	RASGRP3	Homo sapiens RAS guanyl releasing protein 3 (calcium and DAG-regulated) (RASGRP3), transcript variant 2, mRNA [NM_170672]
A_24_P363408	2.48	HEY2	Homo sapiens hes-related family bHLH transcription factor with YRPW motif 2 (HEY2), mRNA [NM_012259]
A_23_P32454	2.48	TG	Homo sapiens thyroglobulin (TG), mRNA [NM_003235]
A_33_P3217609	2.47	TBC1D22A	Homo sapiens TBC1 domain family, member 22A (TBC1D22A), transcript variant 5, non-coding RNA [NR_104292]
A_23_P74290	2.47	GBP5	Homo sapiens guanylate binding protein 5 (GBP5), transcript variant 1, mRNA [NM_052942]
A_33_P3245243	2.46		Q9P1R7_HUMAN (Q9P1R7) HDCMB45P (Fragment), partial (19%) [THC2780703]
A_23_P365738	2.46	ARC	Homo sapiens activity-regulated cytoskeleton-associated protein (ARC), mRNA [NM_015193]
A_33_P3283480	2.46	CTSC	Homo sapiens cathepsin C (CTSC), transcript variant 2, mRNA [NM_148170]
A_32_P119248	2.46	FOXD4	Homo sapiens forkhead box D4 (FOXD4), mRNA [NM_207305]
A_23_P46690	2.44	TMEM81	Homo sapiens transmembrane protein 81 (TMEM81), mRNA [NM_203376]
A_33_P3242923	2.43	LINC00640	Homo sapiens long intergenic non-protein coding RNA 640 (LINC00640), long non-coding RNA [NR_038358]
A_33_P3220837	2.43	MAFB	Homo sapiens v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog B (MAFB), mRNA [NM_005461]
A_24_P382319	2.43	CEACAM1	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1), transcript variant 1, mRNA [NM_001712]
A_33_P3264528	2.42	HOXA11	Homo sapiens homeobox A11 (HOXA11), mRNA [NM_005523]
A_33_P3292660	2.42	GRIA3	Homo sapiens glutamate receptor, ionotropic, AMPA 3 (GRIA3), transcript variant 3, mRNA [NM_001256743]
A_23_P157136	2.42	SCIN	Homo sapiens scinderin (SCIN), transcript variant 2, mRNA [NM_033128]
A_23_P111583	2.42	CD36	Homo sapiens CD36 molecule (thrombospondin receptor) (CD36), transcript variant 2, mRNA [NM_001001547]
A_23_P335495	2.41	ANO7	Homo sapiens anoctamin 7 (ANO7), transcript variant NGEP-L, mRNA [NM_001001891]
A_23_P130149	2.41	ENO3	Homo sapiens enolase 3 (beta, muscle) (ENO3), transcript variant 1, mRNA [NM_001976]
A_33_P3404671	2.40	NFYC-AS1	Homo sapiens NFYC antisense RNA 1 (NFYC-AS1), long non-coding RNA [NR_024567]
A_33_P3741678	2.40		Q2IMJ3_ANADE (Q2IMJ3) LigA, partial (5%) [THC2492227]
A_23_P107432	2.40	FLJ35934	Homo sapiens FLJ35934 (FLJ35934), long non-coding RNA [NR_104343]
A_23_P17345	2.40	MAFB	Homo sapiens v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog B (MAFB), mRNA [NM_005461]
A_23_P44569	2.39	ABCC2	Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 2 (ABCC2), mRNA [NM_000392]
A_33_P3382489	2.38	LOC100506457	
A_24_P923251	2.38	TGM2	Homo sapiens transglutaminase 2 (TGM2), transcript variant 2, mRNA [NM_198951]
A_33_P3409746	2.37	C11orf91	Homo sapiens chromosome 11 open reading frame 91 (C11orf91), mRNA [NM_001166692]
A_23_P122443	2.37	HIST1H1C	Homo sapiens histone cluster 1, H1c (HIST1H1C), mRNA [NM_005319]
A_24_P229025	2.36	GRIA3	Homo sapiens glutamate receptor, ionotropic, AMPA 3 (GRIA3), transcript variant 3, mRNA [NM_001256743]
A_33_P3286422	2.35	FANCA	Homo sapiens Fanconi anemia, complementation group A (FANCA), transcript variant 2, mRNA [NM_001018112]
A_33_P3289406	2.35	LOC91450	Homo sapiens uncharacterized LOC91450 (LOC91450), long non-coding RNA [NR_026998]
A_23_P66798	2.35	KRT19	Homo sapiens keratin 19, type I (KRT19), mRNA [NM_002276]
A_23_P127584	2.35	NNMT	Homo sapiens nicotinamide N-methyltransferase (NNMT), mRNA [NM_006169]
A_23_P29257	2.34	H1FO	Homo sapiens H1 histone family, member 0 (H1FO), mRNA [NM_005318]
A_24_P807031	2.34	ATP6AP1L	Homo sapiens ATPase, H+ transporting, lysosomal accessory protein 1-like (ATP6AP1L), mRNA [NM_001017971]
A_33_P3267532	2.33	KCNJ15	Homo sapiens potassium channel, inwardly rectifying subfamily J, member 15 (KCNJ15), transcript variant 1, mRNA [NM_170736]
A_24_P376441	2.33	TAF5L	Homo sapiens TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa (TAF5L), transcript variant 2, mRNA [NM_001025247]
A_33_P3309626	2.32	ADAMTS17	ADAM metallopeptidase with thrombospondin type 1 motif, 17 [Source:HGNC Symbol;Acc:HGNC:17109] [ENST00000378898]
A_23_P214969	2.32	CITED2	Homo sapiens Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2 (CITED2), transcript variant 1, mRNA [NM_006079]
A_33_P3245449	2.32	LOC389834	Homo sapiens ankyrin repeat domain 57 pseudogene (LOC389834), non-coding RNA [NR_027420]
A_32_P191441	2.31	C10orf90	Homo sapiens chromosome 10 open reading frame 90 (C10orf90), mRNA [NM_001004298]
A_23_P19243	2.30		Homo sapiens PR02266 mRNA, complete cds, [AF119870]
A_24_P356601	2.29	HEXIM1	Homo sapiens hexamethylene bis-acetamide inducible 1 (HEXIM1), mRNA [NM_006460]
A_33_P3520693	2.29	LOC646903	Homo sapiens uncharacterized LOC646903 (LOC646903), long non-coding RNA [NR_036538]
A_23_P167017	2.29	POPDC2	Homo sapiens popeye domain containing 2 (POPDC2), mRNA [NM_022135]

A_33_P3399061	2.28	ADARB1	Homo sapiens adenosine deaminase, RNA-specific, B1 (ADARB1), transcript variant 4, non-coding RNA [NR_027673]
A_24_P50801	2.27	NRP2	Homo sapiens neuropilin 2 (NRP2), transcript variant 6, mRNA [NM_201264]
A_33_P3238148	2.27	LRRD1	leucine-rich repeats and death domain containing 1 [Source:HGNC Symbol;Acc:HGNC:34300] [ENST00000343318]
A_23_P64661	2.26	ARHGAP9	Homo sapiens Rho GTPase activating protein 9 (ARHGAP9), transcript variant 1, mRNA [NM_032496]
A_23_P35564	2.25	SEC31B	Homo sapiens SEC31 homolog B (S, cerevisiae) (SEC31B), mRNA [NM_015490]
A_23_P65208	2.25	ZMYM5	Homo sapiens zinc finger, MYM-type 5 (ZMYM5), transcript variant 1, mRNA [NM_001039650]
A_23_P34915	2.25	ATF3	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 4, mRNA [NM_001040619]
A_33_P3244424	2.24	SNRPE	Homo sapiens small nuclear ribonucleoprotein polypeptide E (SNRPE), mRNA [NM_003094]
A_23_P132738	2.24	CRYGS	Homo sapiens crystallin, gamma S (CRYGS), mRNA [NM_017541]
A_23_P60742	2.23	MYLPF	Homo sapiens myosin light chain, phosphorylatable, fast skeletal muscle (MYLPF), mRNA [NM_013292]
A_23_P39386	2.23	HCST	Homo sapiens hematopoietic cell signal transducer (HCST), transcript variant 1, mRNA [NM_014266]
A_33_P3395008	2.22	ACOXL	Homo sapiens acyl-CoA oxidase-like (ACOXL), mRNA [NM_001142807]
A_33_P3223116	2.21	HIPK2	homeodomain interacting protein kinase 2 [Source:HGNC Symbol;Acc:HGNC:14402] [ENST00000342645]
A_32_P232214	2.21	TRABD2B	Homo sapiens TraB domain containing 2B (TRABD2B), mRNA [NM_001194986]
A_23_P133739	2.20	HUS1B	Homo sapiens HUS1 checkpoint homolog b (S, pombe) (HUS1B), mRNA [NM_148959]
A_33_P3269069	2.20	HS2ST1	Homo sapiens heparan sulfate 2-O-sulfotransferase 1 (HS2ST1), transcript variant 2, mRNA [NM_001134492]
A_33_P3228305	2.20	ARHGAP26	Homo sapiens Rho GTPase activating protein 26 (ARHGAP26), transcript variant 1, mRNA [NM_015071]
A_23_P66682	2.20	HOXB6	Homo sapiens homeobox B6 (HOXB6), mRNA [NM_018952]
A_33_P3379106	2.20	LINC00922	Homo sapiens long intergenic non-protein coding RNA 922 (LINC00922), long non-coding RNA [NR_027755]
A_23_P364766	2.19	SLX4IP	Homo sapiens SLX4 interacting protein (SLX4IP), mRNA [NM_001009608]
A_23_P259901	2.19	TKTL1	Homo sapiens transketolase-like 1 (TKTL1), transcript variant 1, mRNA [NM_012253]
A_33_P3297415	2.19	NRP2	Homo sapiens neuropilin 2 (NRP2), transcript variant 6, mRNA [NM_201264]
A_23_P168828	2.18	KLF10	Homo sapiens Kruppel-like factor 10 (KLF10), transcript variant 1, mRNA [NM_005655]
A_33_P3350207	2.18	HCFC1R1	Homo sapiens host cell factor C1 regulator 1 (XPO1 dependent) (HCFC1R1), transcript variant 1, mRNA [NM_017885]
A_33_P3391796	2.17	NOG	Homo sapiens noggin (NOG), mRNA [NM_005450]
A_23_P104438	2.17	MYPN	Homo sapiens myopalladin (MYPN), transcript variant 1, mRNA [NM_032578]
A_33_P3302453	2.17	LINC00242	Homo sapiens long intergenic non-protein coding RNA 242 (LINC00242), long non-coding RNA [NR_026781]
A_33_P3245006	2.17	DAK	Homo sapiens dihydroxyacetone kinase 2 homolog (S, cerevisiae) (DAK), mRNA [NM_015533]
A_23_P166526	2.16	RIBC2	Homo sapiens RIB43A domain with coiled-coils 2 (RIBC2), mRNA [NM_015653]
A_23_P37994	2.16	TP53TG3	Homo sapiens TP53 target 3 (TP53TG3), transcript variant 1, mRNA [NM_016212]
A_23_P202345	2.16	ADO	Homo sapiens 2-aminoethanethiol (cysteamine) dioxygenase (ADO), mRNA [NM_032804]
A_33_P3214879	2.16	KPNA1	Homo sapiens karyopherin alpha 1 (importin alpha 5) (KPNA1), transcript variant 1, mRNA [NM_002264]
A_23_P215883	2.15	NCALD	Homo sapiens neurocalcin delta (NCALD), transcript variant 7, mRNA [NM_001040630]
A_33_P3753757	2.15	Inc-SUSD1-1	Homo sapiens cDNA FLJ38333 fis, clone FCBBF3025674, [AK095652]
A_33_P3213374	2.15	CITED2	Homo sapiens Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2 (CITED2), transcript variant 1, mRNA [NM_006079]
A_23_P300600	2.15	NEFH	Homo sapiens neurofilament, heavy polypeptide (NEFH), mRNA [NM_021076]
A_23_P97141	2.15	RGS1	Homo sapiens regulator of G-protein signaling 1 (RGS1), mRNA [NM_002922]
A_33_P3221119	2.14	GON4L	Homo sapiens gon-4-like (C, elegans) (GON4L), transcript variant 6, mRNA [NM_001282861]
A_33_P3365441	2.14	Q5VUE8_HUMAN	(Q5VUE8) LIM homeobox 9 (Fragment), complete [THC2626490]
A_33_P3452287	2.14	LINC00316	Homo sapiens long intergenic non-protein coding RNA 316 (LINC00316), long non-coding RNA [NR_103811]
A_33_P3368358	2.14	NEDD9	Homo sapiens neural precursor cell expressed, developmentally down-regulated 9 (NEDD9), transcript variant 2, mRNA [NM_182966]
A_23_P55749	2.14	COL5A3	Homo sapiens collagen, type V, alpha 3 (COL5A3), mRNA [NM_015719]
A_23_P15450	2.14	TMEM100	Homo sapiens transmembrane protein 100 (TMEM100), transcript variant 2, mRNA [NM_018286]
A_33_P3248953	2.14	C5orf63	Homo sapiens chromosome 5 open reading frame 63 (C5orf63), transcript variant 2, mRNA [NM_001164478]
A_23_P164814	2.13	C19orf57	Homo sapiens chromosome 19 open reading frame 57 (C19orf57), mRNA [NM_024323]
A_23_P115785	2.13	FANK1	Homo sapiens fibronectin type III and ankyrin repeat domains 1 (FANK1), mRNA [NM_145235]
A_23_P114061	2.13	TRPM3	Homo sapiens transient receptor potential cation channel, subfamily M, member 3 (TRPM3), transcript variant 9, mRNA [NM_001007471]
A_23_P309381	2.13	HIST2H2AA4	Homo sapiens histone cluster 2, H2aa4 (HIST2H2AA4), mRNA [NM_001040874]
A_23_P217845	2.13	RGS16	Homo sapiens regulator of G-protein signaling 16 (RGS16), mRNA [NM_002928]
A_33_P3422888	2.12	CLEC16A	Homo sapiens C-type lectin domain family 16, member A (CLEC16A), transcript variant 2, mRNA [NM_001243403]

A_23_P105562	2.12	VWF	Homo sapiens von Willebrand factor (VWF), mRNA [NM_000552]
A_23_P111112	2.12	VARS2	Homo sapiens valyl-tRNA synthetase 2, mitochondrial (VARS2), transcript variant 2, mRNA [NM_020442]
A_24_P256404	2.11	LOC100133616	Homo sapiens cDNA FLJ35883 fis, clone TESTI2008929, [AK093202]
A_33_P3400057	2.11	TCEANC	Homo sapiens transcription elongation factor A (SII) N-terminal and central domain containing (TCEANC), transcript variant 2, mRNA [NM_001297563]
A_33_P3226080	2.11	SCIMP	Homo sapiens SLP adaptor and CSK interacting membrane protein (SCIMP), transcript variant 1, mRNA [NM_207103]
A_23_P8571	2.11	SSC4D	Homo sapiens scavenger receptor cysteine rich family, 4 domains (SSC4D), mRNA [NM_080744]
A_23_P377664	2.10	ALS2	Homo sapiens amyotrophic lateral sclerosis 2 (juvenile) (ALS2), transcript variant 2, mRNA [NM_001135745]
A_23_P5002	2.10	MAP4K1	Homo sapiens mitogen-activated protein kinase kinase kinase 1 (MAP4K1), transcript variant 1, mRNA [NM_001042600]
A_24_P11506	2.10	KYNU	Homo sapiens kynureninase (KYNU), transcript variant 2, mRNA [NM_001032998]
A_33_P3323298	2.10	JUN	Homo sapiens jun proto-oncogene (JUN), mRNA [NM_002228]
A_33_P3243023	2.10	ADRA1D	Homo sapiens adrenoceptor alpha 1D (ADRA1D), mRNA [NM_000678]
A_33_P3367077	2.10	Inc-COL9A1-1	PREDICTED: Homo sapiens uncharacterized LOC100507172 (LOC100507172), mRNA [XM_003118552]
A_23_P137856	2.10	MUC1	Homo sapiens mucin 1, cell surface associated (MUC1), transcript variant 1, mRNA [NM_002456]
A_24_P630490	2.09	DFNB59	Homo sapiens deafness, autosomal recessive 59 (DFNB59), mRNA [NM_001042702]
A_33_P3387971	2.09	FLJ42351	uncharacterized LOC400999 [Source:EntrezGene;Acc:400999] [ENST00000457336]
A_24_P402825	2.09	CACNA2D3	Homo sapiens calcium channel, voltage-dependent, alpha 2/delta subunit 3 (CACNA2D3), mRNA [NM_018398]
A_33_P3392537	2.09	TK2	Homo sapiens thymidine kinase 2, mitochondrial (TK2), transcript variant 1, mRNA [NM_004614]
A_33_P3232173	2.09	PSPC1	paraspeckle component 1 [Source:HGNC Symbol;Acc:HGNC:20320] [ENST00000338910]
A_32_P192970	2.08	ALDH4A1	Homo sapiens aldehyde dehydrogenase 4 family, member A1 (ALDH4A1), transcript variant P5CDhS, mRNA [NM_170726]
A_23_P104073	2.08	S100A3	Homo sapiens S100 calcium binding protein A3 (S100A3), mRNA [NM_002960]
A_33_P3258472	2.08	SPTBN1	Homo sapiens spectrin, beta, non-erythrocytic 1 (SPTBN1), transcript variant 1, mRNA [NM_003128]
A_23_P160159	2.07	SLC2A5	Homo sapiens solute carrier family 2 (facilitated glucose/fructose transporter), member 5 (SLC2A5), transcript variant 1, mRNA [NM_003039]
A_33_P3246022	2.07		SLIT-ROBO Rho GTPase activating protein 2 [Source:HGNC Symbol;Acc:HGNC:19751] [ENST00000624686]
A_23_P76078	2.07	IL23A	Homo sapiens interleukin 23, alpha subunit p19 (IL23A), mRNA [NM_016584]
A_23_P57534	2.07	DDX17	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box helicase 17 (DDX17), transcript variant 1, mRNA [NM_006386]
A_33_P3255229	2.07	SETD7	Homo sapiens cDNA clone IMAGE:5312439, [BC066361]
A_23_P213699	2.06	NRG2	Homo sapiens neuregulin 2 (NRG2), transcript variant 3, mRNA [NM_013982]
A_33_P3308686	2.06	CC2D2A	Homo sapiens coiled-coil and C2 domain containing 2A (CC2D2A), transcript variant 2, mRNA [NM_020785]
A_33_P3341722	2.06		Synthetic construct Homo sapiens gateway clone IMAGE:100021085 5' read COL23A1 mRNA, [CU692082]
A_24_P376120	2.06	MYPN	Homo sapiens myopalladin (MYPN), transcript variant 1, mRNA [NM_032578]
A_32_P305888	2.06	SH3TC2	Homo sapiens SH3 domain and tetratricopeptide repeats 2 (SH3TC2), mRNA [NM_024577]
A_32_P203528	2.05	SYCE2	Homo sapiens synaptonemal complex central element protein 2 (SYCE2), mRNA [NM_001105578]
A_24_P125283	2.05	HDAC5	Homo sapiens histone deacetylase 5 (HDAC5), transcript variant 3, mRNA [NM_001015053]
A_23_P61508	2.05	CHRNA9	Homo sapiens cholinergic receptor, nicotinic, alpha 9 (neuronal) (CHRNA9), mRNA [NM_017581]
A_33_P3374504	2.05	TXNRD2	Homo sapiens thioredoxin reductase 2 (TXNRD2), transcript variant 2, mRNA [NM_001282512]
A_33_P3423551	2.04	IER3	Homo sapiens immediate early response 3 (IER3), mRNA [NM_003897]
A_23_P96087	2.04	H1FX	Homo sapiens H1 histone family, member X (H1FX), mRNA [NM_006026]
A_23_P42257	2.04	IER3	Homo sapiens immediate early response 3 (IER3), mRNA [NM_003897]
A_23_P326844	2.04	NOP9	Homo sapiens NOP9 nucleolar protein (NOP9), transcript variant 1, mRNA [NM_174913]
A_23_P85726	2.03	METTL18	Homo sapiens methyltransferase like 18 (METTL18), mRNA [NM_033418]
A_24_P778836	2.02	RSL1D1	Homo sapiens ribosomal L1 domain containing 1 (RSL1D1), mRNA [NM_015659]
A_33_P3305855	2.02		PREDICTED: Homo sapiens uncharacterized LOC645967 (LOC645967), misc_RNA [XR_245616]
A_33_P3397801	2.02	FLJ45743	
A_33_P3219279	2.02	JPH4	Homo sapiens junctophilin 4 (JPH4), transcript variant 1, mRNA [NM_032452]
A_33_P3304908	2.02	WASH5P	WAS protein family homolog 5 pseudogene [Source:HGNC Symbol;Acc:HGNC:33884] [ENST00000607872]
A_33_P3280040	2.01		ankyrin repeat domain 11 [Source:HGNC Symbol;Acc:HGNC:21316] [ENST00000566858]
A_33_P3851788	2.01	CIRBP-AS1	Homo sapiens CIRBP antisense RNA 1 (CIRBP-AS1), long non-coding RNA [NR_027271]
A_33_P3411145	2.01	FAM200B	Homo sapiens family with sequence similarity 200, member B (FAM200B), mRNA [NM_001145191]
A_23_P209625	2.01	CYP1B1	Homo sapiens cytochrome P450, family 1, subfamily B, polypeptide 1 (CYP1B1), mRNA [NM_000104]
A_33_P3304369	2.01		

A_23_P52986	2.00	VWCE	Homo sapiens von Willebrand factor C and EGF domains (VWCE), mRNA [NM_152718]
A_32_P226078	2.00	OAZ3	Homo sapiens ornithine decarboxylase antyzyme 3 (OAZ3), transcript variant 1, mRNA [NM_016178]
A_23_P320578	2.00	RGS16	Homo sapiens regulator of G-protein signaling 16 (RGS16), mRNA [NM_002928]
A_33_P3214625	1.99	INPP4B	Homo sapiens inositol polyphosphate-4-phosphatase, type II, 105kDa (INPP4B), transcript variant 1, mRNA [NM_003866]
A_33_P3255304	1.99	GGT5	Homo sapiens gamma-glutamyltransferase 5 (GGT5), transcript variant 1, mRNA [NM_001099781]
A_33_P3433388	1.99	TSL	Homo sapiens testis-expressed, seven-twelve, leukemia (TSL), transcript variant 1, long non-coding RNA [NR_122122]
A_23_P403955	1.98	TARDBP	Homo sapiens TAR DNA binding protein (TARDBP), mRNA [NM_007375]
A_33_P3364989	1.98	ACTL10	Homo sapiens actin-like 10 (ACTL10), mRNA [NM_001024675]
A_23_P217899	1.98	CCNL2	Homo sapiens cyclin L2 (CCNL2), transcript variant 1, mRNA [NM_030937]
A_23_P213319	1.98	ADAMTS6	Homo sapiens ADAM metalloproteinase with thrombospondin type 1 motif, 6 (ADAMTS6), mRNA [NM_197941]
A_32_P7316	1.98	BDNF	Homo sapiens brain-derived neurotrophic factor (BDNF), transcript variant 1, mRNA [NM_170735]
A_33_P3369436	1.97	Inc-GOLGA8J-3	Homo sapiens, clone IMAGE:5221398, mRNA, [BC043570]
A_33_P3316786	1.97	DACH1	Homo sapiens dachshund family transcription factor 1 (DACH1), transcript variant 1, mRNA [NM_080759]
A_24_P329795	1.97	C10orf10	Homo sapiens chromosome 10 open reading frame 10 (C10orf10), mRNA [NM_007021]
A_23_P125383	1.97	TMEFF2	Homo sapiens transmembrane protein with EGF-like and two follistatin-like domains 2 (TMEFF2), mRNA [NM_016192]
A_32_P78491	1.97	ETV1	Homo sapiens ets variant 1 (ETV1), transcript variant 1, mRNA [NM_004956]
A_23_P114883	1.97	FMOD	Homo sapiens fibromodulin (FMOD), transcript variant 1, mRNA [NM_002023]
A_33_P3407636	1.97	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon [Source:HGNC Symbol;Acc:HGNC:12851] [ENST00000576854]
A_23_P217570	1.96	CAPN6	Homo sapiens calpain 6 (CAPN6), mRNA [NM_014289]
A_24_P321634	1.96	ZMYM5	Homo sapiens zinc finger, MYM-type 5 (ZMYM5), transcript variant 1, mRNA [NM_001039650]
A_33_P3334102	1.96	ARHGAP27	Homo sapiens Rho GTPase activating protein 27 (ARHGAP27), transcript variant 3, mRNA [NM_174919]
A_23_P214080	1.96	EGR1	Homo sapiens early growth response 1 (EGR1), mRNA [NM_001964]
A_24_P398092	1.96	RAD23B	Homo sapiens RAD23 homolog B (S. cerevisiae) (RAD23B), transcript variant 1, mRNA [NM_002874]
A_33_P3285260	1.96		chromosome 21 open reading frame 33 [Source:HGNC Symbol;Acc:HGNC:1273] [ENST00000493883]
A_23_P19723	1.96	BMP5	Homo sapiens bone morphogenetic protein 5 (BMP5), mRNA [NM_021073]
A_23_P416305	1.96	RPL27A	Homo sapiens ribosomal protein L27a (RPL27A), mRNA [NM_000990]
A_33_P3218951	1.96	RPA1	Homo sapiens replication protein A1, 70kDa (RPA1), mRNA [NM_002945]
A_23_P58770	1.96	HAND1	Homo sapiens heart and neural crest derivatives expressed 1 (HAND1), mRNA [NM_004821]
A_24_P257416	1.96	CXCL2	Homo sapiens chemokine (C-X-C motif) ligand 2 (CXCL2), mRNA [NM_002089]
A_23_P303548	1.95	NOL4L	Homo sapiens nucleolar protein 4-like (NOL4L), transcript variant 1, mRNA [NM_001256798]
A_23_P28246	1.95	SLC23A3	Homo sapiens solute carrier family 23, member 3 (SLC23A3), transcript variant 1, mRNA [NM_144712]
A_23_P131676	1.95	ACKR3	Homo sapiens atypical chemokine receptor 3 (ACKR3), mRNA [NM_020311]
A_33_P3276718	1.95	HGF	Homo sapiens hepatocyte growth factor (hepapoietin A; scatter factor) (HGF), transcript variant 5, mRNA [NM_001010934]
A_23_P55281	1.95	HOXB7	Homo sapiens homeobox B7 (HOXB7), mRNA [NM_004502]
A_24_P282416	1.94	ABL1	Homo sapiens ABL proto-oncogene 1, non-receptor tyrosine kinase (ABL1), transcript variant b, mRNA [NM_007313]
A_33_P3279629	1.94	UCN2	Homo sapiens urocortin 2 (UCN2), mRNA [NM_033199]
A_23_P102000	1.94	CXCR4	Homo sapiens chemokine (C-X-C motif) receptor 4 (CXCR4), transcript variant 1, mRNA [NM_001008540]
A_23_P69497	1.94	CLEC3B	Homo sapiens C-type lectin domain family 3, member B (CLEC3B), mRNA [NM_003278]
A_33_P3329043	1.94	Inc-GMDS-2	Homo sapiens cDNA clone IMAGE:6086903, partial cds, [BC073826]
A_33_P3413845	1.94	TIMM13	Homo sapiens translocase of inner mitochondrial membrane 13 homolog (yeast) (TIMM13), mRNA [NM_012458]
A_23_P320862	1.94	C9orf43	Homo sapiens chromosome 9 open reading frame 43 (C9orf43), transcript variant 1, mRNA [NM_152786]
A_32_P101699	1.93	LOC729887	PREDICTED: Homo sapiens uncharacterized LOC729887 (LOC729887), misc_RNA [XR_243500]
A_23_P302568	1.93	SLC30A3	Homo sapiens solute carrier family 30 (zinc transporter), member 3 (SLC30A3), mRNA [NM_003459]
A_23_P304511	1.93	ZNF397	Homo sapiens zinc finger protein 397 (ZNF397), transcript variant 2, mRNA [NM_032347]
A_24_P925664	1.93	MDM2	Homo sapiens MDM2 proto-oncogene, E3 ubiquitin protein ligase (MDM2), transcript variant 1, mRNA [NM_002392]
A_33_P3385436	1.93	PLAC8L1	Homo sapiens PLAC8-like 1 (PLAC8L1), mRNA [NM_001029869]
A_24_P328524	1.92	KALRN	Homo sapiens kalirin, RhoGEF kinase (KALRN), transcript variant 2, mRNA [NM_003947]
A_24_P784765	1.92	CD59	Homo sapiens CD59 molecule, complement regulatory protein (CD59), transcript variant 1, mRNA [NM_203330]
A_33_P3377529	1.92	HOXA4	Homo sapiens homeobox A4 (HOXA4), mRNA [NM_002141]
A_23_P201551	1.92	VAV3	Homo sapiens vav 3 guanine nucleotide exchange factor (VAV3), transcript variant 1, mRNA [NM_006113]

A_33_P3213747	1.92	ZNHIT2	Homo sapiens zinc finger, HIT-type containing 2 (ZNHIT2), mRNA [NM_014205]
A_33_P3307955	1.92	ABCD3	Homo sapiens ATP-binding cassette, sub-family D (ALD), member 3 (ABCD3), transcript variant 2, mRNA [NM_001122674]
A_23_P433188	1.91	GZF1	Homo sapiens GDNF-inducible zinc finger protein 1 (GZF1), mRNA [NM_022482]
A_23_P369479	1.91	MSI2	Homo sapiens musashi RNA-binding protein 2 (MSI2), transcript variant 2, mRNA [NM_170721]
A_23_P85716	1.91	FCGR2A	Homo sapiens Fc fragment of IgG, low affinity IIa, receptor (CD32) (FCGR2A), transcript variant 2, mRNA [NM_021642]
A_33_P3316587	1.91	SLC22A18AS	Homo sapiens solute carrier family 22 (organic cation transporter), member 18 antisense (SLC22A18AS), transcript variant 1, mRNA [NM_007105]
A_33_P3245454	1.91	LOC389834	Homo sapiens ankyrin repeat domain 57 pseudogene (LOC389834), non-coding RNA [NR_027420]
A_23_P422071	1.91	B3GALT4	Homo sapiens UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4 (B3GALT4), mRNA [NM_003782]
A_33_P3229171	1.90	FLJ44635	Homo sapiens TPT1-like protein (FLJ44635), mRNA [NM_207422]
A_24_P390060	1.90	IQCD	Homo sapiens IQ motif containing D (IQCD), mRNA [NM_138451]
A_32_P87568	1.90	ENAH	Homo sapiens enabled homolog (Drosophila) (ENAH), transcript variant 1, mRNA [NM_001008493]
A_33_P3377364	1.89	ITGB4	Homo sapiens integrin, beta 4 (ITGB4), transcript variant 1, mRNA [NM_000213]
A_23_P134204	1.89	FAM71F1	Homo sapiens family with sequence similarity 71, member F1 (FAM71F1), transcript variant 1, mRNA [NM_032599]
A_23_P398530	1.89	WHSC1	Homo sapiens Wolf-Hirschhorn syndrome candidate 1 (WHSC1), transcript variant 7, mRNA [NM_133334]
A_33_P3276693	1.89	PGF	Homo sapiens placental growth factor (PGF), transcript variant 1, mRNA [NM_002632]
A_33_P3699445	1.89		Homo sapiens hypothetical protein LOC644613, mRNA (cDNA clone IMAGE:4177475), partial cds, [BC025792]
A_23_P51745	1.89	PROK1	Homo sapiens prokineticin 1 (PROK1), mRNA [NM_032414]
A_33_P3269109	1.89	GUCY1A3	guanylate cyclase 1, soluble, alpha 3 [Source:HGNC Symbol;Acc:HGNC:4685] [ENST00000512983]
A_33_P3423631	1.89	WHSC1	Homo sapiens Wolf-Hirschhorn syndrome candidate 1 (WHSC1), transcript variant 8, mRNA [NM_007331]
A_23_P250212	1.88	SGK223	Homo sapiens homolog of rat pragra of Rnd2 (SGK223), mRNA [NM_001080826]
A_24_P497186	1.88	IRF2BP2	Homo sapiens interferon regulatory factor 2 binding protein 2 (IRF2BP2), transcript variant 1, mRNA [NM_182972]
A_32_P78681	1.88	GLP2R	Homo sapiens glucagon-like peptide 2 receptor (GLP2R), mRNA [NM_004246]
A_33_P3405424	1.88	IL4I1	Homo sapiens interleukin 4 induced 1 (IL4I1), transcript variant 1, mRNA [NM_152899]
A_23_P133923	1.88	GPANK1	Homo sapiens G patch domain and ankyrin repeats 1 (GPANK1), transcript variant 2, mRNA [NM_033177]
A_32_P131050	1.88	ZNF148	Homo sapiens zinc finger protein 148 (ZNF148), mRNA [NM_021964]
A_23_P307328	1.88	WHSC1	Homo sapiens Wolf-Hirschhorn syndrome candidate 1 (WHSC1), transcript variant 8, mRNA [NM_007331]
A_33_P3380783	1.87	LOC100128184	Homo sapiens cDNA FLJ46151 fis, clone TEST14000957, [AK128032]
A_23_P40295	1.87	LAMP5	Homo sapiens lysosomal-associated membrane protein family, member 5 (LAMP5), transcript variant 1, mRNA [NM_012261]
A_24_P31003	1.87	GFER	Homo sapiens growth factor, augmenter of liver regeneration (GFER), mRNA [NM_005262]
A_23_P395426	1.87	DIDO1	Homo sapiens death inducer-obliterator 1 (DIDO1), transcript variant 1, mRNA [NM_022105]
A_33_P3398862	1.87	RHOB	ras homolog family member B [Source:HGNC Symbol;Acc:HGNC:668] [ENST00000272233]
A_33_P3240053	1.87	UFSP1	Homo sapiens UFM1-specific peptidase 1 (non-functional) (UFSP1), mRNA [NM_001015072]
A_33_P3263432	1.86	ITGA10	Homo sapiens integrin, alpha 10 (ITGA10), transcript variant 1, mRNA [NM_003637]
A_33_P3375613	1.86	C8orf44-SGK3	Homo sapiens C8orf44-SGK3 readthrough (C8orf44-SGK3), mRNA [NM_001204173]
A_33_P3236813	1.86	GPR19	Homo sapiens G protein-coupled receptor 19 (GPR19), mRNA [NM_006143]
A_33_P3326151	1.86		
A_33_P3268793	1.86	ADAT3	Homo sapiens adenosine deaminase, tRNA-specific 3 (ADAT3), mRNA [NM_138422]
A_33_P3402329	1.86	MIR503HG	Homo sapiens MIR503 host gene (non-protein coding) (MIR503HG), long non-coding RNA [NR_024607]
A_33_P3839897	1.86	RNU4ATAC	HHAGE001732 Human liver regeneration after partial hepatectomy Homo sapiens cDNA, mRNA sequence [DW419002]
A_23_P80974	1.86	TDO2	Homo sapiens tryptophan 2,3-dioxygenase (TDO2), mRNA [NM_005651]
A_33_P3304511	1.86	SULT1C4	Homo sapiens sulfotransferase family, cytosolic, 1C, member 4 (SULT1C4), mRNA [NM_006588]
A_33_P3309804	1.86	EID1	Homo sapiens EP300 interacting inhibitor of differentiation 1 (EID1), mRNA [NM_014335]
A_24_P157926	1.86	TNFAIP3	Homo sapiens tumor necrosis factor, alpha-induced protein 3 (TNFAIP3), transcript variant 3, mRNA [NM_006290]
A_32_P379467	1.86	ISLR2	Homo sapiens immunoglobulin superfamily containing leucine-rich repeat 2 (ISLR2), transcript variant 2, mRNA [NM_020851]
A_33_P3613516	1.85	GATA2-AS1	Homo sapiens cDNA: FLJ21000 fis, clone CAE03359, [AK024653]
A_24_P307580	1.85	HTATIP2	Homo sapiens HIV-1 Tat interactive protein 2, 30kDa (HTATIP2), transcript variant 5, mRNA [NM_001098523]
A_33_P3323448	1.85	HM13	Homo sapiens histocompatibility (minor) 13 (HM13), transcript variant 4, mRNA [NM_178582]
A_33_P3389286	1.85	SFN	Homo sapiens stratifin (SFN), mRNA [NM_006142]
A_24_P926507	1.85	SLC14A1	Homo sapiens solute carrier family 14 (urea transporter), member 1 (Kidd blood group) (SLC14A1), transcript variant 4, mRNA [NM_001146037]
A_24_P795594	1.84	ALG9	Homo sapiens ALG9, alpha-1,2-mannosyltransferase (ALG9), transcript variant 3, mRNA [NM_001077691]

A_23_P169978	1.84	ZNF608	Homo sapiens zinc finger protein 608 (ZNF608), mRNA [NM_020747]
A_23_P70719	1.84	LAMA2	Homo sapiens laminin, alpha 2 (LAMA2), transcript variant 1, mRNA [NM_000426]
A_33_P3376249	1.84	S100A2	Homo sapiens S100 calcium binding protein A2 (S100A2), mRNA [NM_005978]
A_33_P3308432	1.84		Q8WW30_HUMAN (Q8WW30) MORN1 protein, partial (44%) [THC2519762]
A_23_P62901	1.84	BTG2	Homo sapiens BTG family, member 2 (BTG2), mRNA [NM_006763]
A_32_P523096	1.84	FOXD2-AS1	Homo sapiens FOXD2 antisense RNA 1 (head to head) (FOXD2-AS1), long non-coding RNA [NR_026878]
A_33_P3224705	1.83	PCNXL4	pecanex-like 4 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:20349] [ENST00000391611]
A_23_P305877	1.83	TMEM261	Homo sapiens transmembrane protein 261 (TMEM261), mRNA [NM_033428]
A_23_P79360	1.83	NOSTRIN	Homo sapiens nitric oxide synthase trafficking (NOSTRIN), transcript variant 1, mRNA [NM_052946]
A_24_P155791	1.83	ASB7	Homo sapiens ankyrin repeat and SOCS box containing 7 (ASB7), transcript variant 1, mRNA [NM_024708]
A_33_P3305458	1.83	ATF6B	Homo sapiens activating transcription factor 6 beta (ATF6B), transcript variant 1, mRNA [NM_004381]
A_33_P3229467	1.83	STK17A	Homo sapiens serine/threonine kinase 17a (STK17A), mRNA [NM_004760]
A_23_P58579	1.83	TRIM52	Homo sapiens tripartite motif containing 52 (TRIM52), mRNA [NM_032765]
A_23_P258912	1.83	MYOM2	Homo sapiens myomesin 2 (MYOM2), mRNA [NM_003970]
A_33_P3360675	1.83	PRKAR1B	Homo sapiens protein kinase, cAMP-dependent, regulatory, type I, beta (PRKAR1B), transcript variant 1, mRNA [NM_001164761]
A_23_P8281	1.83	IFNGR1	Homo sapiens interferon gamma receptor 1 (IFNGR1), mRNA [NM_000416]
A_33_P3248384	1.83	XLOC_014422	BROAD Institute lincRNA (XLOC_014422), lincRNA [TCONS_00029938]
A_33_P3293247	1.82	GPSM1	Homo sapiens G-protein signaling modulator 1 (GPSM1), transcript variant 2, mRNA [NM_015597]
A_23_P53126	1.82	LMO2	Homo sapiens LIM domain only 2 (rhombotin-like 1) (LMO2), transcript variant 1, mRNA [NM_005574]
A_33_P3353343	1.82	SRRM2	Homo sapiens serine/arginine repetitive matrix 2 (SRRM2), mRNA [NM_016333]
A_33_P3343428	1.82	TRAF3IP2	Homo sapiens TRAF3 interacting protein 2 (TRAF3IP2), transcript variant 2, mRNA [NM_147686]
A_23_P251647	1.82	RFESD	Homo sapiens Rieske (Fe-S) domain containing (RFESD), transcript variant 2, mRNA [NM_173362]
A_23_P24535	1.82	TTC12	Homo sapiens tetratricopeptide repeat domain 12 (TTC12), mRNA [NM_017868]
A_33_P3326568	1.82	GLIS3	GLIS family zinc finger 3 [Source:HGNC Symbol;Acc:HGNC:28510] [ENST00000467497]
A_33_P3610768	1.81		Homo sapiens cDNA FLJ42271 fis, clone TKIDN2015788, [AK124265]
A_23_P39766	1.81	GLS	Homo sapiens glutaminase (GLS), transcript variant 1, mRNA [NM_014905]
A_24_P66001	1.81	UQCR10	Homo sapiens ubiquinol-cytochrome c reductase, complex III subunit X (UQCR10), transcript variant 2, mRNA [NM_001003684]
A_33_P3398111	1.81	ZC3H18-AS1	Homo sapiens cDNA FLJ45530 fis, clone BRTHA2028297, [AK127438]
A_23_P502750	1.81	MDM2	Homo sapiens MDM2 proto-oncogene, E3 ubiquitin protein ligase (MDM2), transcript variant 1, mRNA [NM_002392]
A_33_P3216292	1.80	TBC1D2	Homo sapiens TBC1 domain family, member 2 (TBC1D2), transcript variant 1, mRNA [NM_001267571]
A_33_P3393684	1.80	VSIG8	Homo sapiens V-set and immunoglobulin domain containing 8 (VSIG8), mRNA [NM_001013661]
A_33_P3383866	1.80	TREX1	Homo sapiens three prime repair exonuclease 1 (TREX1), transcript variant 1, mRNA [NM_016381]
A_23_P125809	1.80	ZCCHC12	Homo sapiens zinc finger, CCHC domain containing 12 (ZCCHC12), mRNA [NM_173798]
A_33_P3323945	1.80	CEND1	Homo sapiens cell cycle exit and neuronal differentiation 1 (CEND1), mRNA [NM_016564]
A_33_P3330952	1.80	ATP8A1	Homo sapiens ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1 (ATP8A1), transcript variant 1, mRNA [NM_006095]
A_24_P33895	1.80	ATF3	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 4, mRNA [NM_001040619]
A_23_P52610	1.80	DDB2	Homo sapiens damage-specific DNA binding protein 2, 48kDa (DDB2), mRNA [NM_000107]
A_23_P53891	1.80	KLF5	Homo sapiens Kruppel-like factor 5 (intestinal) (KLF5), transcript variant 1, mRNA [NM_001730]
A_23_P15619	1.80	PRAC1	Homo sapiens prostate cancer susceptibility candidate 1 (PRAC1), mRNA [NM_032391]
A_33_P3214105	1.79	ATF3	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 1, mRNA [NM_001674]
A_33_P3374190	1.79	INPP5A	Homo sapiens inositol polyphosphate-5-phosphatase, 40kDa (INPP5A), mRNA [NM_005539]
A_33_P3695899	1.79	FLJ31104	Homo sapiens uncharacterized LOC441072 (FLJ31104), long non-coding RNA [NR_102755]
A_23_P9603	1.79	PRKDC	Homo sapiens protein kinase, DNA-activated, catalytic polypeptide (PRKDC), transcript variant 1, mRNA [NM_006904]
A_24_P472455	1.79	ARF6	Homo sapiens ADP-ribosylation factor 6 (ARF6), mRNA [NM_001663]
A_23_P382775	1.79	BBC3	Homo sapiens BCL2 binding component 3 (BBC3), transcript variant 4, mRNA [NM_014417]
A_24_P415624	1.79	MLXIP	Homo sapiens MLX interacting protein (MLXIP), mRNA [NM_014938]
A_23_P135381	1.79	SP5	Homo sapiens Sp5 transcription factor (SP5), mRNA [NM_001003845]
A_23_P415021	1.79	METTL7A	Homo sapiens methyltransferase like 7A (METTL7A), mRNA [NM_014033]
A_33_P3419865	1.79	Inc-C5orf42-2	Homo sapiens cDNA FLJ10039 fis, clone HEMBA1000975, [AK000901]
A_23_P345460	1.79	PLEKHG4	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 4 (PLEKHG4), transcript variant 3, mRNA [NM_001129728]

A_24_P359191	1.79	SLC6A6	Homo sapiens solute carrier family 6 (neurotransmitter transporter), member 6 (SLC6A6), transcript variant 1, mRNA [NM_003043]
A_33_P3422404	1.78	ACSS1	Homo sapiens acyl-CoA synthetase short-chain family member 1 (ACSS1), transcript variant 4, mRNA [NM_001252677]
A_33_P3241511	1.78	SERPIND1	Homo sapiens serpin peptidase inhibitor, clade D (heparin cofactor), member 1 (SERPIND1), mRNA [NM_000185]
A_33_P3341424	1.78	MYO10	Homo sapiens myosin X (MYO10), mRNA [NM_012334]
A_23_P369666	1.78	ZMYND8	zinc finger, MYND-type containing 8 [Source:HGNC Symbol;Acc:HGNC:9397] [ENST00000468376]
A_24_P313334	1.78	SERF2	Homo sapiens small EDRK-rich factor 2 (SERF2), transcript variant 4, mRNA [NM_001199877]
A_33_P3626709	1.77	LOC100129280	Homo sapiens cDNA FLJ44650 fis, clone BRACE2039607, [AK126613]
A_23_P214798	1.77	SYNCRIP	Homo sapiens synaptotagmin binding, cytoplasmic RNA interacting protein (SYNCRIP), transcript variant 1, mRNA [NM_006372]
A_33_P3367316	1.77	SCAND2P	Homo sapiens SCAN domain containing 2 pseudogene (SCAND2P), transcript variant 1, non-coding RNA [NR_004859]
A_33_P3280385	1.77	COL6A3	Homo sapiens collagen, type VI, alpha 3 (COL6A3), transcript variant 3, mRNA [NM_057165]
A_32_P82475	1.77	SNHG10	Homo sapiens small nucleolar RNA host gene 10 (non-protein coding) (SNHG10), transcript variant 1, long non-coding RNA [NR_003138]
A_23_P325040	1.77	TMPO	Homo sapiens thymopoietin (TMPO), transcript variant 1, mRNA [NM_003276]
A_23_P55616	1.77	SLC14A1	Homo sapiens solute carrier family 14 (urea transporter), member 1 (Kidd blood group) (SLC14A1), transcript variant 4, mRNA [NM_001146037]
A_23_P110445	1.77	APBB3	Homo sapiens amyloid beta (A4) precursor protein-binding, family B, member 3 (APBB3), transcript variant 4, mRNA [NM_006051]
A_24_P365515	1.77	FOXA2	Homo sapiens forkhead box A2 (FOXA2), transcript variant 1, mRNA [NM_021784]
A_23_P160025	1.76	IFI16	Homo sapiens interferon, gamma-inducible protein 16 (IFI16), transcript variant 2, mRNA [NM_005531]
A_23_P126613	1.76	AQP10	Homo sapiens aquaporin 10 (AQP10), mRNA [NM_080429]
A_23_P64808	1.76	HOXC13	Homo sapiens homeobox C13 (HOXC13), mRNA [NM_017410]
A_33_P3315733	1.76	TRAPPC10	Homo sapiens trafficking protein particle complex 10, mRNA (cDNA clone IMAGE:5929666), complete cds, [BC046241]
A_24_P35537	1.76	RIC3	Homo sapiens RIC3 acetylcholine receptor chaperone (RIC3), transcript variant 1, mRNA [NM_024557]
A_23_P137016	1.76	SAT1	Homo sapiens spermidine/spermine N1-acetyltransferase 1 (SAT1), transcript variant 1, mRNA [NM_002970]
A_23_P428184	1.76	HIST1H2AD	Homo sapiens histone cluster 1, H2ad (HIST1H2AD), mRNA [NM_021065]
A_33_P3247540	1.76	LOC389834	Homo sapiens ankyrin repeat domain 57 pseudogene (LOC389834), non-coding RNA [NR_027420]
A_33_P3286953	1.76	ADAMTS6	Homo sapiens ADAM metalloproteinase with thrombospondin type 1 motif, 6 (ADAMTS6), mRNA [NM_197941]
A_33_P3317580	1.75	GFRA2	Homo sapiens GDNF family receptor alpha 2 (GFRA2), transcript variant 1, mRNA [NM_001495]
A_33_P3389363	1.75	C19orf54	chromosome 19 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:24758] [ENST00000597507]
A_33_P3327500	1.75	UFSP1	Homo sapiens UFM1-specific peptidase 1 (non-functional) (UFSP1), mRNA [NM_001015072]
A_24_P182494	1.75	DUSP10	Homo sapiens dual specificity phosphatase 10 (DUSP10), transcript variant 1, mRNA [NM_007207]
A_24_P244410	1.75	ANAPC15	Homo sapiens anaphase promoting complex subunit 15 (ANAPC15), transcript variant 3, mRNA [NM_014042]
A_24_P235783	1.75	SF1	splicing factor 1 [Source:HGNC Symbol;Acc:HGNC:12950] [ENST00000463343]
A_23_P129856	1.75	HIC1	Homo sapiens hypermethylated in cancer 1 (HIC1), transcript variant 1, mRNA [NM_006497]
A_23_P108437	1.75	FZD5	Homo sapiens frizzled class receptor 5 (FZD5), mRNA [NM_003468]
A_33_P3368771	1.75	H1FX-AS1	Homo sapiens H1FX antisense RNA 1 (H1FX-AS1), long non-coding RNA [NR_026991]
A_33_P3419339	1.75	GNAI3	Homo sapiens guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 (GNAI3), mRNA [NM_006496]
A_32_P72394	1.74	PRKAR1B	Homo sapiens protein kinase, cAMP-dependent, regulatory, type I, beta (PRKAR1B), transcript variant 2, mRNA [NM_002735]
A_23_P215956	1.74	MYC	Homo sapiens v-myc avian myelocytomatosis viral oncogene homolog (MYC), mRNA [NM_002467]
A_33_P3242743	1.74	ARFRP1	Homo sapiens ADP-ribosylation factor related protein 1 (ARFRP1), transcript variant 8, mRNA [NM_001267549]
A_33_P3229239	1.74	HIST2H2BF	histone cluster 2, H2bf [Source:HGNC Symbol;Acc:HGNC:24700] [ENST00000369167]
A_23_P348121	1.74	FOSL2	Homo sapiens FOS-like antigen 2 (FOSL2), mRNA [NM_005253]
A_33_P3383955	1.74	DDB2	Homo sapiens damage-specific DNA binding protein 2, 48kDa (DDB2), transcript variant D1, mRNA [NM_001300734]
A_33_P3306762	1.74	Q5VZL8_HUMAN (Q5VZL8)	Olfactomedin 1, complete [THC2682558]
A_32_P110872	1.74	GGACT	Homo sapiens gamma-glutamylamine cyclotransferase (GGACT), transcript variant 1, mRNA [NM_033110]
A_23_P404162	1.74	HDAC9	Homo sapiens histone deacetylase 9 (HDAC9), transcript variant 3, mRNA [NM_014707]
A_23_P365086	1.74	ANKF1	ankyrin repeat and EF-hand domain containing 1 [Source:HGNC Symbol;Acc:HGNC:15803] [ENST00000378392]
A_23_P64617	1.74	FZD4	Homo sapiens frizzled class receptor 4 (FZD4), mRNA [NM_012193]
A_33_P3276100	1.74	URAHF	Homo sapiens urate (hydroxyiso-) hydrolase, pseudogene (URAHF), transcript variant 1, non-coding RNA [NR_027336]
A_23_P118536	1.74	SLFN12	Homo sapiens schlafen family member 12 (SLFN12), transcript variant 1, mRNA [NM_018042]
A_23_P99226	1.73	SIRT4	Homo sapiens sirtuin 4 (SIRT4), mRNA [NM_012240]
A_24_P48791	1.73	EIF2S2	Homo sapiens eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa (EIF2S2), mRNA [NM_003908]
A_33_P3299025	1.73	LOC389834	Homo sapiens ankyrin repeat domain 57 pseudogene (LOC389834), non-coding RNA [NR_027420]

A_33_P3371270	1.73	TUG1	Homo sapiens taurine up-regulated 1 (non-protein coding) (TUG1), transcript variant 1, long non-coding RNA [NR_110492]
A_33_P3299254	1.73	VPREB3	Homo sapiens pre-B lymphocyte 3 (VPREB3), mRNA [NM_013378]
A_32_P223777	1.73	IL6ST	Homo sapiens interleukin 6 signal transducer (IL6ST), transcript variant 1, mRNA [NM_002184]
A_24_P120537	1.73	SH3RF2	Homo sapiens SH3 domain containing ring finger 2 (SH3RF2), mRNA [NM_152550]
A_23_P363769	1.73	KRT86	Homo sapiens keratin 86, type II (KRT86), mRNA [NM_002284]
A_33_P3338733	1.73	MITF	Homo sapiens microphthalmia-associated transcription factor (MITF), transcript variant 1, mRNA [NM_198159]
A_33_P3362296	1.73	KCNG1	PREDICTED: Homo sapiens potassium voltage-gated channel, subfamily G, member 1 (KCNG1), transcript variant X2, mRNA [XM_006723786]
A_33_P3314176	1.73	FAM46C	Homo sapiens family with sequence similarity 46, member C (FAM46C), mRNA [NM_017709]
A_23_P307392	1.72	LOC102725171	PREDICTED: Homo sapiens uncharacterized LOC102725171 (LOC102725171), ncRNA [XR_432995]
A_23_P323272	1.72	OSR1	Homo sapiens odd-skipped related transcription factor 1 (OSR1), mRNA [NM_145260]
A_33_P3237150	1.72	BMP2	Homo sapiens bone morphogenetic protein 2 (BMP2), mRNA [NM_001200]
A_24_P380679	1.72	LSMEM1	Homo sapiens leucine-rich single-pass membrane protein 1 (LSMEM1), transcript variant 1, mRNA [NM_182597]
A_33_P3330264	1.72	CXCL1	Homo sapiens chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) (CXCL1), transcript variant 1, mRNA [NM_001511]
A_33_P3369939	1.72	DNAJC21	Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 21 (DNAJC21), transcript variant 1, mRNA [NM_194283]
A_23_P411296	1.72	CEBPB	Homo sapiens CCAAT/enhancer binding protein (C/EBP), beta (CEBPB), transcript variant 1, mRNA [NM_005194]
A_23_P331908	1.72	LOC101060179	PREDICTED: Homo sapiens uncharacterized LOC101060179 (LOC101060179), mRNA [XM_003959932]
A_23_P65262	1.72	N4BP2L2	Homo sapiens NEDD4 binding protein 2-like 2 (N4BP2L2), transcript variant 3, mRNA [NM_001278432]
A_33_P3335740	1.72	FLJ10038	Homo sapiens uncharacterized protein FLJ10038 (FLJ10038), long non-coding RNA [NR_026891]
A_23_P100220	1.71	ESRP2	Homo sapiens epithelial splicing regulatory protein 2 (ESRP2), mRNA [NM_024939]
A_24_P98411	1.71	HSPA5	Homo sapiens heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) (HSPA5), mRNA [NM_005347]
A_23_P371266	1.71	DNM3	Homo sapiens dynamin 3 (DNM3), transcript variant 1, mRNA [NM_015569]
A_33_P3423185	1.71	LOC102725171	PREDICTED: Homo sapiens uncharacterized LOC102725171 (LOC102725171), ncRNA [XR_432995]
A_23_P200096	1.71	SPSB1	Homo sapiens <i>splA</i> /ryanodine receptor domain and SOCS box containing 1 (SPSB1), mRNA [NM_025106]
A_33_P3258191	1.71	C16orf91	Homo sapiens chromosome 16 open reading frame 91 (C16orf91), mRNA [NM_001272051]
A_33_P3371718	1.70	SAT1	Homo sapiens spermidine/spermine N1-acetyltransferase 1 (SAT1), transcript variant 1, mRNA [NM_002970]
A_23_P16058	1.70	ZNF296	Homo sapiens zinc finger protein 296 (ZNF296), mRNA [NM_145288]
A_32_P168442	1.70	HOTAIR	Homo sapiens HOX transcript antisense RNA (HOTAIR), transcript variant 3, long non-coding RNA [NR_047518]
A_23_P84230	1.70	OTP	Homo sapiens orthopedia homeobox (OTP), mRNA [NM_032109]
A_23_P150255	1.70	RBM14	Homo sapiens RNA binding motif protein 14 (RBM14), transcript variant 1, mRNA [NM_006328]
A_32_P130788	1.70	SAMD13	Homo sapiens sterile alpha motif domain containing 13 (SAMD13), transcript variant 1, mRNA [NM_001010971]
A_32_P222460	1.70	LOC100130700	Homo sapiens uncharacterized LOC100130700 (LOC100130700), transcript variant 1, long non-coding RNA [NR_034018]
A_23_P131825	1.70	TNNC2	Homo sapiens troponin C type 2 (fast) (TNNC2), mRNA [NM_003279]
A_23_P129903	1.70	TRIM16L	Homo sapiens tripartite motif containing 16-like (TRIM16L), mRNA [NM_001037330]
A_23_P144348	1.69	SLIT2	Homo sapiens slit homolog 2 (Drosophila) (SLIT2), transcript variant 1, mRNA [NM_004787]
A_33_P3210399	1.69	SLC14A1	Homo sapiens solute carrier family 14 (urea transporter), member 1 (Kidd blood group) (SLC14A1), transcript variant 4, mRNA [NM_001146037]
A_33_P3339376	1.69	WIPF1	Homo sapiens WAS/WASL interacting protein family, member 1, mRNA (cDNA clone MGC:111041 IMAGE:5184105), complete cds, [BC110288]
A_24_P282751	1.69	SUPT7L	Homo sapiens suppressor of Ty 7 ( <i>S. cerevisiae</i> )-like (SUPT7L), transcript variant 1, mRNA [NM_014860]
A_24_P111134	1.69	POMT2	Homo sapiens protein-O-mannosyltransferase 2 (POMT2), mRNA [NM_013382]
A_24_P229531	1.69	NABP1	Homo sapiens nucleic acid binding protein 1 (NABP1), transcript variant 1, mRNA [NM_001031716]
A_33_P3326904	1.69	LOC441268	Homo sapiens cDNA FLJ43176 fis, clone FCBBF3008944, [AK125166]
A_24_P506977	1.69	SNHG15	Homo sapiens small nucleolar RNA host gene 15 (non-protein coding) (SNHG15), long non-coding RNA [NR_003697]
A_33_P3295358	1.69	ANGPTL4	Homo sapiens angiopoietin-like 4 (ANGPTL4), transcript variant 1, mRNA [NM_139314]
A_23_P204751	1.69	ASIC1	Homo sapiens acid sensing (proton gated) ion channel 1 (ASIC1), transcript variant 1, mRNA [NM_020039]
A_33_P3369761	1.69	PDP1	Homo sapiens pyruvate dehydrogenase phosphatase catalytic subunit 1 (PDP1), transcript variant 2, mRNA [NM_001161779]
A_33_P3257170	1.69	PRR3	proline rich 3 [Source:HGNC Symbol;Acc:HGNC:21149] [ENST00000461523]
A_24_P411749	1.68	GPR126	Homo sapiens G protein-coupled receptor 126 (GPR126), transcript variant a1, mRNA [NM_020455]
A_23_P384748	1.68	PLEKHH2	Homo sapiens pleckstrin homology domain containing, family H (with MyTH4 domain) member 2 (PLEKHH2), mRNA [NM_172069]
A_24_P355967	1.68	HTR2A	Homo sapiens 5-hydroxytryptamine (serotonin) receptor 2A, G protein-coupled (HTR2A), transcript variant 1, mRNA [NM_000621]
A_33_P3297050	1.68	ALG2	Homo sapiens ALG2, alpha-1,3/1,6-mannosyltransferase (ALG2), transcript variant 1, mRNA [NM_033087]
A_23_P58132	1.68	RHOH	Homo sapiens ras homolog family member H (RHOH), transcript variant 6, mRNA [NM_004310]



A_33_P3399778	1.68		
A_32_P119197	1.68	TPM3	Homo sapiens tropomyosin 3 (TPM3), transcript variant Tpm3,7, mRNA [NM_001043352]
A_24_P475864	1.68	RRN3P2	Homo sapiens RNA polymerase I transcription factor homolog (S, cerevisiae) pseudogene 2 (RRN3P2), non-coding RNA [NR_003369]
A_23_P396867	1.68	HM13	Homo sapiens histocompatibility (minor) 13 (HM13), transcript variant 4, mRNA [NM_178582]
A_33_P3295870	1.68	FAM166A	Homo sapiens family with sequence similarity 166, member A (FAM166A), mRNA [NM_001001710]
A_23_P4551	1.68	SETBP1	Homo sapiens SET binding protein 1 (SETBP1), transcript variant 1, mRNA [NM_015559]
A_33_P3413098	1.68	LOC100129550	Homo sapiens uncharacterized LOC100129550 (LOC100129550), long non-coding RNA [NR_024618]
A_23_P44264	1.68	EMX2	Homo sapiens empty spiracles homeobox 2 (EMX2), transcript variant 1, mRNA [NM_004098]
A_23_P98310	1.68	CSTF3	Homo sapiens cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kDa (CSTF3), transcript variant 1, mRNA [NM_001326]
A_23_P406350	1.68	MFSD3	Homo sapiens major facilitator superfamily domain containing 3 (MFSD3), transcript variant 1, mRNA [NM_138431]
A_33_P3253812	1.67		
A_23_P76969	1.67	SIPA1L1	Homo sapiens signal-induced proliferation-associated 1 like 1 (SIPA1L1), transcript variant 1, mRNA [NM_015556]
A_23_P88184	1.67	BTBD7	Homo sapiens BTB (POZ) domain containing 7 (BTBD7), transcript variant 2, mRNA [NM_018167]
A_33_P3369133	1.67	LOC102723367	PREDICTED: Homo sapiens uncharacterized LOC102723367 (LOC102723367), mRNA [XM_006711705]
A_33_P3227269	1.67	GATA3-AS1	Homo sapiens GATA3 antisense RNA 1 (GATA3-AS1), transcript variant 2, long non-coding RNA [NR_024256]
A_23_P79518	1.67	IL1B	Homo sapiens interleukin 1, beta (IL1B), mRNA [NM_000576]
A_33_P3228642	1.67		zinc finger protein 584 [Source:HGNC Symbol;Acc:HGNC:27318] [ENST00000594993]
A_23_P3379	1.67	RASGRF1	Homo sapiens Ras protein-specific guanine nucleotide-releasing factor 1 (RASGRF1), transcript variant 1, mRNA [NM_002891]
A_33_P3226955	1.67		Q5JWQ5_HUMAN (Q5JWQ5) Neuropilin 1 (Fragment), partial (93%) [THC2768644]
A_33_P3387365	1.67	PXMP4	Homo sapiens peroxisomal membrane protein 4, 24kDa (PXMP4), transcript variant 1, mRNA [NM_007238]
A_23_P163143	1.67	ACYP1	Homo sapiens acylphosphatase 1, erythrocyte (common) type (ACYP1), transcript variant 4, mRNA [NM_001302617]
A_23_P429581	1.67	TMEM67	Homo sapiens transmembrane protein 67 (TMEM67), transcript variant 1, mRNA [NM_153704]
A_33_P3337599	1.67	PRKDC	Homo sapiens protein kinase, DNA-activated, catalytic polypeptide (PRKDC), transcript variant 1, mRNA [NM_006904]
A_23_P64873	1.67	DCN	Homo sapiens decorin (DCN), transcript variant A1, mRNA [NM_001920]
A_33_P3353027	1.67		chimerin 2 [Source:HGNC Symbol;Acc:HGNC:1944] [ENST00000461824]
A_33_P3402171	1.67	EIF2S1	Homo sapiens eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa (EIF2S1), mRNA [NM_004094]
A_23_P308305	1.66	TTC39C	Homo sapiens tetratricopeptide repeat domain 39C (TTC39C), transcript variant 3, mRNA [NM_001243425]
A_23_P99540	1.66	ZFP36L1	Homo sapiens ZFP36 ring finger protein-like 1 (ZFP36L1), transcript variant 1, mRNA [NM_004926]
A_33_P3268035	1.66	LYZL1	Homo sapiens lysozyme-like 1 (LYZL1), mRNA [NM_032517]
A_24_P416411	1.66	PEX12	Homo sapiens peroxisomal biogenesis factor 12 (PEX12), mRNA [NM_000286]
A_23_P256047	1.66	ANKEF1	ankyrin repeat and EF-hand domain containing 1 [Source:HGNC Symbol;Acc:HGNC:15803] [ENST00000378380]
A_24_P218006	1.66	DNAJC30	Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 30 (DNAJC30), mRNA [NM_032317]
A_23_P126605	1.66	TMOD4	Homo sapiens tropomodulin 4 (muscle) (TMOD4), mRNA [NM_013353]
A_24_P89843	1.66	CYHR1	Homo sapiens cysteine/histidine-rich 1 (CYHR1), transcript variant 2, mRNA [NM_032687]
A_23_P58266	1.66	S100P	Homo sapiens S100 calcium binding protein P (S100P), mRNA [NM_005980]
A_32_P83845	1.66	HEY1	Homo sapiens hes-related family bHLH transcription factor with YRPW motif 1 (HEY1), transcript variant 2, mRNA [NM_001040708]
A_23_P46936	1.66	EGR2	Homo sapiens early growth response 2 (EGR2), transcript variant 1, mRNA [NM_000399]
A_23_P129075	1.65	WDR76	Homo sapiens WD repeat domain 76 (WDR76), transcript variant 1, mRNA [NM_024908]
A_23_P132763	1.65	VGLL3	Homo sapiens vestigial-like family member 3 (VGLL3), mRNA [NM_016206]
A_33_P3400273	1.65	SELL	Homo sapiens selectin L (SELL), transcript variant 1, mRNA [NM_000655]
A_23_P30736	1.65	HLA-DOB	Homo sapiens major histocompatibility complex, class II, DO beta (HLA-DOB), mRNA [NM_002120]
A_24_P588897	1.65	SLCO3A1	Homo sapiens solute carrier organic anion transporter family, member 3A1 (SLCO3A1), transcript variant 1, mRNA [NM_013272]
A_33_P3276207	1.65	NXPE3	Homo sapiens neurexophilin and PC-esterase domain family, member 3 (NXPE3), transcript variant 1, mRNA [NM_001134456]
A_23_P169470	1.65	CDK9	Homo sapiens cyclin-dependent kinase 9 (CDK9), mRNA [NM_001261]
A_23_P372096	1.65	NOL4L	nucleolar protein 4-like [Source:HGNC Symbol;Acc:HGNC:16106] [ENST00000326071]
A_33_P3351851	1.65	HIST1H4L	Homo sapiens histone cluster 1, H4l (HIST1H4L), mRNA [NM_003546]
A_33_P3279730	1.65		D-dopachrome tautomerase [Source:HGNC Symbol;Acc:HGNC:2732] [ENST00000444947]
A_33_P3302957	1.65	PLEKHG4	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 4 (PLEKHG4), transcript variant 3, mRNA [NM_001129728]
A_32_P179746	1.64	LOC101929687	PREDICTED: Homo sapiens uncharacterized LOC101929687 (LOC101929687), transcript variant X2, ncRNA [XR_427741]
A_23_P217637	1.64	TIMM8A	Homo sapiens translocase of inner mitochondrial membrane 8 homolog A (yeast) (TIMM8A), transcript variant 1, mRNA [NM_004085]

A_33_P3322804	1.64	NTRK2	Homo sapiens neurotrophic tyrosine kinase, receptor, type 2 (NTRK2), transcript variant f, mRNA [NM_001291937]
A_24_P49199	1.64	GLDN	Homo sapiens gliomedin (GLDN), mRNA [NM_181789]
A_24_P333567	1.64	MAN1B1-AS1	Homo sapiens MAN1B1 antisense RNA 1 (head to head) (MAN1B1-AS1), long non-coding RNA [NR_027447]
A_23_P2942	1.64	NPAS3	Homo sapiens neuronal PAS domain protein 3 (NPAS3), transcript variant 2, mRNA [NM_022123]
A_23_P88559	1.64	LIPC	Homo sapiens lipase, hepatic (LIPC), mRNA [NM_000236]
A_33_P3211260	1.64	DBNL	Homo sapiens mRNA for Drebrin-like protein variant protein, [AB209486]
A_23_P61371	1.64	TMEM173	Homo sapiens transmembrane protein 173 (TMEM173), transcript variant 1, mRNA [NM_198282]
A_23_P323166	1.64	SRRM2	Homo sapiens serine/arginine repetitive matrix 2 (SRRM2), mRNA [NM_016333]
A_33_P3229122	1.63	HIST1H2BF	Homo sapiens histone cluster 1, H2bf (HIST1H2BF), mRNA [NM_003522]
A_33_P3389153	1.63	STK10	Homo sapiens serine/threonine kinase 10 (STK10), mRNA [NM_005990]
A_23_P328074	1.63	SALL1	Homo sapiens spalt-like transcription factor 1 (SALL1), transcript variant 1, mRNA [NM_002968]
A_33_P3237927	1.63	ARHGAP4	Homo sapiens Rho GTPase activating protein 4 (ARHGAP4), transcript variant 1, mRNA [NM_001164741]
A_23_P29029	1.63	URB1-AS1	Homo sapiens URB1 antisense RNA 1 (head to head) (URB1-AS1), long non-coding RNA [NR_026845]
A_33_P3220643	1.63	PTRH1	Homo sapiens peptidyl-tRNA hydrolase 1 homolog (S, cerevisiae) (PTRH1), mRNA [NM_001002913]
A_32_P162374	1.63	C18orf54	Homo sapiens chromosome 18 open reading frame 54 (C18orf54), transcript variant 3, mRNA [NM_173529]
A_23_P381746	1.63	ASXL3	Homo sapiens additional sex combs like transcriptional regulator 3 (ASXL3), mRNA [NM_030632]
A_33_P3404749	1.63	FMN1	Homo sapiens formin 1 (FMN1), transcript variant 1, mRNA [NM_001277313]
A_32_P164246	1.63	FOXQ1	Homo sapiens forkhead box Q1 (FOXQ1), mRNA [NM_033260]
A_24_P73075	1.63	TTC12	Homo sapiens tetratricopeptide repeat domain 12 (TTC12), mRNA [NM_017868]
A_33_P3323384	1.63	RRM2B	Homo sapiens ribonucleotide reductase M2 B (TP53 inducible) (RRM2B), transcript variant 1, mRNA [NM_015713]
A_33_P3799692	1.63		Homo sapiens hypothetical protein LOC338620, mRNA (cDNA clone IMAGE:6023208), partial cds, [BC043009]
A_33_P3342628	1.63	HES4	Homo sapiens hes family bHLH transcription factor 4 (HES4), transcript variant 2, mRNA [NM_021170]
A_23_P110957	1.62	FOXF2	Homo sapiens forkhead box F2 (FOXF2), mRNA [NM_001452]
A_33_P3383656	1.62	DUSP28	Homo sapiens dual specificity phosphatase 28 (DUSP28), mRNA [NM_001033575]
A_23_P150249	1.62	CCDC85B	Homo sapiens coiled-coil domain containing 85B (CCDC85B), mRNA [NM_006848]
A_23_P112026	1.62	IDO1	Homo sapiens indoleamine 2,3-dioxygenase 1 (IDO1), mRNA [NM_002164]
A_33_P3272508	1.62	MRPL57	Homo sapiens mitochondrial ribosomal protein L57 (MRPL57), mRNA [NM_024026]
A_33_P3269110	1.62	GUCY1A3	Homo sapiens guanylate cyclase 1, soluble, alpha 3 (GUCY1A3), transcript variant 7, mRNA [NM_001130687]
A_32_P130577	1.62		Homo sapiens cDNA clone IMAGE:5267335, [BC066989]
A_24_P416370	1.62	HOXB4	Homo sapiens homeobox B4 (HOXB4), mRNA [NM_024015]
A_33_P3244585	1.62	FHAD1	Homo sapiens forkhead-associated (FHA) phosphopeptide binding domain 1 (FHAD1), mRNA [NM_052929]
A_32_P96692	1.62	POLH	Homo sapiens polymerase (DNA directed), eta (POLH), transcript variant 1, mRNA [NM_006502]
A_33_P3441060	1.62	TMEM242	Homo sapiens transmembrane protein 242 (TMEM242), mRNA [NM_018452]
A_23_P416774	1.62	CLIC5	Homo sapiens chloride intracellular channel 5 (CLIC5), transcript variant 2, mRNA [NM_016929]
A_23_P22444	1.62	CFP	Homo sapiens complement factor properdin (CFP), transcript variant 1, mRNA [NM_002621]
A_23_P103756	1.62	OVGP1	Homo sapiens oviductal glycoprotein 1, 120kDa (OVGP1), mRNA [NM_002557]
A_33_P3357535	1.62	CYB5B	Homo sapiens cytochrome b5 type B (outer mitochondrial membrane) (CYB5B), mRNA [NM_030579]
A_23_P395374	1.61	HIST1H4D	Homo sapiens histone cluster 1, H4d (HIST1H4D), mRNA [NM_003539]
A_23_P17522	1.61	NKX2-2	Homo sapiens NK2 homeobox 2 (NKX2-2), mRNA [NM_002509]
A_32_P28939	1.61	ALKBH2	Homo sapiens alkB, alkylation repair homolog 2 (E. coli) (ALKBH2), transcript variant 2, mRNA [NM_001001655]
A_23_P112554	1.61	COL15A1	Homo sapiens collagen, type XV, alpha 1 (COL15A1), mRNA [NM_001855]
A_23_P118392	1.61	RASD1	Homo sapiens RAS, dexamethasone-induced 1 (RASD1), transcript variant 1, mRNA [NM_016084]
A_23_P103511	1.61	C1orf226	Homo sapiens chromosome 1 open reading frame 226 (C1orf226), transcript variant 2, mRNA [NM_001085375]
A_23_P358944	1.61	PML	Homo sapiens promyelocytic leukemia (PML), transcript variant 5, mRNA [NM_033244]
A_23_P200396	1.61	TMEM234	Homo sapiens transmembrane protein 234 (TMEM234), mRNA [NM_019118]
A_32_P79483	1.61	FGF14-AS2	Homo sapiens FGF14 antisense RNA 2 (FGF14-AS2), long non-coding RNA [NR_036487]
A_32_P66364	1.61	PPP1R1C	Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 1C (PPP1R1C), transcript variant 3, mRNA [NM_001080545]
A_32_P174083	1.61	CYCS	Homo sapiens cytochrome c, somatic (CYCS), mRNA [NM_018947]
A_23_P419795	1.61	SBF2	Homo sapiens SET binding factor 2 (SBF2), mRNA [NM_030962]
A_23_P342709	1.60	FBXO15	Homo sapiens F-box protein 15 (FBXO15), transcript variant 1, mRNA [NM_152676]

A_23_P80594	1.60	PLCL2	Homo sapiens phospholipase C-like 2 (PLCL2), transcript variant 2, mRNA [NM_015184]
A_23_P254254	1.60	SGSH	Homo sapiens N-sulfoglucosamine sulfohydrolase (SGSH), mRNA [NM_000199]
A_32_P217655	1.60	LOC645166	Homo sapiens lymphocyte-specific protein 1 pseudogene (LOC645166), transcript variant 2, non-coding RNA [NR_027355]
A_23_P46378	1.60	PIGV	Homo sapiens phosphatidylinositol glycan anchor biosynthesis, class V (PIGV), transcript variant 2, mRNA [NM_017837]
A_33_P3338166	1.60	NUAK2	Homo sapiens NUA family, SNF1-like kinase, 2 (NUAK2), mRNA [NM_030952]
A_33_P3355503	1.60	FOXL1	Homo sapiens forkhead box L1 (FOXL1), mRNA [NM_005250]
A_33_P3288189	1.60	RHOBTB3	Homo sapiens Rho-related BTB domain containing 3 (RHOBTB3), mRNA [NM_014899]
A_33_P3410019	1.60		
A_24_P150466	1.60	SMOC1	Homo sapiens SPARC related modular calcium binding 1 (SMOC1), transcript variant 1, mRNA [NM_001034852]
A_23_P43557	1.60	DENND1A	Homo sapiens DENN/MADD domain containing 1A (DENND1A), transcript variant 2, mRNA [NM_024820]
A_32_P221748	1.59		BX350880 Homo sapiens NEUROBLASTOMA COT 25-NORMALIZED Homo sapiens cDNA clone CS0DC005YN21 3-PRIME, mRNA sequence [BX350880]
A_24_P268993	1.59	LEAP2	Homo sapiens liver expressed antimicrobial peptide 2 (LEAP2), mRNA [NM_052971]
A_33_P3403107	1.59	PRR19	Homo sapiens proline rich 19 (PRR19), mRNA [NM_199285]
A_23_P434944	1.59	ILF3	Homo sapiens interleukin enhancer binding factor 3, 90kDa (ILF3), transcript variant 2, mRNA [NM_004516]
A_23_P116387	1.59	INCENP	Homo sapiens inner centromere protein antigens 135/155kDa (INCENP), transcript variant 1, mRNA [NM_001040694]
A_33_P3288614	1.59	LOC101927322	Homo sapiens uncharacterized LOC101927322 (LOC101927322), mRNA [NM_001289967]
A_23_P58763	1.59	PELO	Homo sapiens pelota homolog (Drosophila) (PELO), mRNA [NM_015946]
A_23_P10385	1.59	DTL	Homo sapiens denticleless E3 ubiquitin protein ligase homolog (Drosophila) (DTL), transcript variant 1, mRNA [NM_016448]
A_33_P3315021	1.59	RPL23AP7	ribosomal protein L23a pseudogene 7 [Source:HGNC Symbol;Acc:HGNC:17336] [ENST00000416673]
A_33_P3230254	1.59	NCAPG	Homo sapiens non-SMC condensin I complex, subunit G (NCAPG), transcript variant 1, mRNA [NM_022346]
A_32_P161762	1.59	RUNX2	Homo sapiens runt-related transcription factor 2 (RUNX2), transcript variant 1, mRNA [NM_001024630]
A_33_P3380056	1.59	MSANTD3	Homo sapiens Myb/SANT-like DNA-binding domain containing 3 (MSANTD3), transcript variant 4, mRNA [NM_001198807]
A_23_P161624	1.59	FOSL1	Homo sapiens FOS-like antigen 1 (FOSL1), transcript variant 1, mRNA [NM_005438]
A_23_P138253	1.59	CHTOP	Homo sapiens chromatin target of PRMT1 (CHTOP), transcript variant 1, mRNA [NM_015607]
A_23_P207387	1.59	GHDC	Homo sapiens GH3 domain containing (GHDC), transcript variant 1, mRNA [NM_032484]
A_33_P3246268	1.59	HOXD13	Homo sapiens homeobox D13 (HOXD13), mRNA [NM_000523]
A_23_P11685	1.58	PLA2G4A	Homo sapiens phospholipase A2, group IVA (cytosolic, calcium-dependent) (PLA2G4A), mRNA [NM_024420]
A_23_P218131	1.58	INF2	Homo sapiens inverted formin, FH2 and WH2 domain containing (INF2), transcript variant 3, mRNA [NM_032714]
A_33_P3344733	1.58	NUBPL	Homo sapiens nucleotide binding protein-like (NUBPL), transcript variant 1, mRNA [NM_025152]
A_33_P3300867	1.58	Inc-PAICS-1	Homo sapiens cDNA FLJ42646 fis, clone BRACE3026075, [AK124637]
A_33_P3245011	1.58	DAK	Homo sapiens dihydroxyacetone kinase 2 homolog (S, cerevisiae) (DAK), mRNA [NM_015533]
A_24_P19810	1.58	PPCS	Homo sapiens phosphopantothenoylecysteine synthetase (PPCS), transcript variant 1, mRNA [NM_024664]
A_23_P141447	1.58	RDM1	Homo sapiens RAD52 motif containing 1 (RDM1), transcript variant 2, mRNA [NM_001034836]
A_33_P3251547	1.58	Inc-C7orf11-1	PREDICTED: Homo sapiens elastin-like (LOC101929264), mRNA [XM_005249927]
A_33_P3264364	1.58	DNM3	Homo sapiens dynamin 3 (DNM3), transcript variant 3, mRNA [NM_001278252]
A_33_P3417865	1.58	ZFP36L1	Homo sapiens ZFP36 ring finger protein-like 1 (ZFP36L1), transcript variant 1, mRNA [NM_004926]
A_33_P3236661	1.58	PCDH9	Homo sapiens protocadherin 9, mRNA (cDNA clone MGC:167030 IMAGE:8860363), complete cds, [BC150296]
A_23_P202448	1.57	CXCL12	Homo sapiens chemokine (C-X-C motif) ligand 12 (CXCL12), transcript variant 1, mRNA [NM_199168]
A_33_P3813128	1.57	SEMA3F	Homo sapiens sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F (SEMA3F), mRNA [NM_004186]
A_33_P3225843	1.57	CCDC149	Homo sapiens coiled-coil domain containing 149 (CCDC149), transcript variant 1, mRNA [NM_173463]
A_33_P3387771	1.57	USP9X	Homo sapiens ubiquitin specific peptidase 9, X-linked (USP9X), transcript variant 3, mRNA [NM_001039590]
A_33_P3240263	1.57	POMP	Homo sapiens proteasome maturation protein (POMP), mRNA [NM_015932]
A_24_P360078	1.57	LRBA	Homo sapiens LPS-responsive vesicle trafficking, beach and anchor containing (LRBA), transcript variant 2, mRNA [NM_006726]
A_23_P125505	1.57	PPEF1	Homo sapiens protein phosphatase, EF-hand calcium binding domain 1 (PPEF1), transcript variant 1, mRNA [NM_006240]
A_24_P337419	1.57	TIGD6	Homo sapiens tigger transposable element derived 6 (TIGD6), transcript variant 1, mRNA [NM_030953]
A_23_P51884	1.57	PUSL1	Homo sapiens pseudouridylylase synthase-like 1 (PUSL1), mRNA [NM_153339]
A_24_P133488	1.57	CDCA4	Homo sapiens cell division cycle associated 4 (CDCA4), transcript variant 1, mRNA [NM_017955]
A_23_P83838	1.57	CA8	Homo sapiens carbonic anhydrase VIII (CA8), mRNA [NM_004056]
A_33_P3384462	1.57	THSD4	Homo sapiens thrombospondin, type I, domain containing 4 (THSD4), transcript variant 1, mRNA [NM_024817]
A_24_P843020	1.57		

A_32_P182439	1.57	POLD3	Homo sapiens polymerase (DNA-directed), delta 3, accessory subunit (POLD3), transcript variant 1, mRNA [NM_006591]
A_33_P3788772	1.56	LOC200609	Homo sapiens mRNA; cDNA DKFZp434E2221 (from clone DKFZp434E2221) [AL137458]
A_33_P3329255	1.56	NDST2	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2 [Source:HGNC Symbol;Acc:HGNC:7681] [ENST00000398701]
A_23_P90790	1.56	METAP1D	Homo sapiens methionyl aminopeptidase type 1D (mitochondrial) (METAP1D), mRNA [NM_199227]
A_23_P98350	1.56	BIRC3	Homo sapiens baculoviral IAP repeat containing 3 (BIRC3), transcript variant 1, mRNA [NM_0011165]
A_23_P167997	1.56	HIST1H2BG	Homo sapiens histone cluster 1, H2bg (HIST1H2BG), mRNA [NM_003518]
A_33_P3354021	1.56	RPL23AP53	Homo sapiens ribosomal protein L23a pseudogene 53 (RPL23AP53), non-coding RNA [NR_003572]
A_33_P3398526	1.56	BCL2L11	Homo sapiens BCL2-like 11 (apoptosis facilitator) (BCL2L11), transcript variant 9, mRNA [NM_207002]
A_24_P854913	1.56	METTL21A	Homo sapiens methyltransferase like 21A (METTL21A), transcript variant 2, mRNA [NM_001127395]
A_33_P3420841	1.56	EIF3D	eukaryotic translation initiation factor 3, subunit D [Source:HGNC Symbol;Acc:HGNC:3278] [ENST00000402116]
A_24_P217848	1.56	HIST1H2AK	Homo sapiens histone cluster 1, H2ak (HIST1H2AK), mRNA [NM_003510]
A_23_P123732	1.56	IDNK	Homo sapiens idnK, gluconokinase homolog (E. coli) (IDNK), transcript variant 1, mRNA [NM_001001551]
A_32_P60065	1.56	F2RL2	Homo sapiens coagulation factor II (thrombin) receptor-like 2 (F2RL2), transcript variant 1, mRNA [NM_004101]
A_24_P223384	1.55	HIST1H2AB	Homo sapiens histone cluster 1, H2ab (HIST1H2AB), mRNA [NM_003513]
A_24_P96234	1.55	QTRT1	Homo sapiens queuine tRNA-ribosyltransferase 1 (QTRT1), mRNA [NM_031209]
A_33_P3305775	1.55	lnc-HDDC3-4	LNCipedia lincRNA (lnc-HDDC3-4), lincRNA [lnc-HDDC3-4:2]
A_23_P139260	1.55	SLC22A18	Homo sapiens solute carrier family 22, member 18 (SLC22A18), transcript variant 2, mRNA [NM_183233]
A_24_P91991	1.55	NAT8L	Homo sapiens N-acetyltransferase 8-like (GCN5-related, putative) (NAT8L), mRNA [NM_178557]
A_24_P333857	1.55	SGIP1	Homo sapiens SH3-domain GRB2-like (endophilin) interacting protein 1 (SGIP1), mRNA [NM_032291]
A_23_P89431	1.55	CCL2	Homo sapiens chemokine (C-C motif) ligand 2 (CCL2), mRNA [NM_002982]
A_24_P381555	1.55	SAP18	Homo sapiens Sin3A-associated protein, 18kDa (SAP18), mRNA [NM_005870]
A_23_P398566	1.55	NR4A3	Homo sapiens nuclear receptor subfamily 4, group A, member 3 (NR4A3), transcript variant 3, mRNA [NM_173200]
A_23_P104741	1.55	KIRREL3	Homo sapiens kin of IRRE like 3 (Drosophila) (KIRREL3), transcript variant 1, mRNA [NM_032531]
A_33_P3314643	1.55	SPEF1	Homo sapiens sperm flagellar 1 (SPEF1), mRNA [NM_015417]
A_33_P3415207	1.54	MPV17	MpV17 mitochondrial inner membrane protein [Source:HGNC Symbol;Acc:HGNC:7224] [ENST00000616707]
A_33_P3268472	1.54	CTSC	Homo sapiens cathepsin C (CTSC), transcript variant 3, mRNA [NM_001114173]
A_23_P61466	1.54	CD163L1	Homo sapiens CD163 molecule-like 1 (CD163L1), transcript variant 2, mRNA [NM_174941]
A_33_P3288694	1.54	LOC101929243	PREDICTED: Homo sapiens uncharacterized LOC101929243 (LOC101929243), ncRNA [XR_249973]
A_23_P113613	1.54	CDCP1	Homo sapiens CUB domain containing protein 1 (CDCP1), transcript variant 1, mRNA [NM_022842]
A_33_P3405957	1.54	BCL9L	Homo sapiens B-cell CLL/lymphoma 9-like (BCL9L), mRNA [NM_182557]
A_23_P163402	1.53	CYP1A1	Homo sapiens cytochrome P450, family 1, subfamily A, polypeptide 1 (CYP1A1), mRNA [NM_000499]
A_23_P7313	1.53	SPP1	Homo sapiens secreted phosphoprotein 1 (SPP1), transcript variant 1, mRNA [NM_001040058]
A_33_P3352632	1.53	LOC728147	Homo sapiens cDNA FLJ38943 fis, clone NT2NE2017480, [AK096262]
A_33_P3421365	1.53	ZNF169	Homo sapiens zinc finger protein 169 (ZNF169), transcript variant 3, mRNA [NM_001301275]
A_33_P3350413	1.53	SVIL	Homo sapiens cDNA, FLJ17314, [AK310272]
A_24_P226970	1.53	ZNF365	Homo sapiens zinc finger protein 365 (ZNF365), transcript variant A, mRNA [NM_014951]
A_23_P212196	1.53	OGG1	Homo sapiens 8-oxoguanine DNA glycosylase (OGG1), transcript variant 2d, mRNA [NM_016828]
A_23_P218579	1.53	GLB1L	Homo sapiens galactosidase, beta 1-like (GLB1L), transcript variant 2, mRNA [NM_024506]
A_32_P150735	1.53		
A_33_P3357753	1.53	NUTM2A-AS1	Homo sapiens NUTM2A antisense RNA 1 (NUTM2A-AS1), long non-coding RNA [NR_024397]
A_23_P59069	1.52	HIST1H2BO	Homo sapiens histone cluster 1, H2bo (HIST1H2BO), mRNA [NM_003527]
A_23_P93180	1.52	HIST1H2BC	Homo sapiens histone cluster 1, H2bc (HIST1H2BC), mRNA [NM_003526]
A_23_P62081	1.52	SCG5	Homo sapiens secretogranin V (7B2 protein) (SCG5), transcript variant 2, mRNA [NM_003020]
A_23_P201808	1.52	PPAP2B	Homo sapiens phosphatidic acid phosphatase type 2B (PPAP2B), mRNA [NM_003713]
A_32_P32413	1.52	SETBP1	Homo sapiens SET binding protein 1 (SETBP1), transcript variant 1, mRNA [NM_015559]
A_23_P202737	1.52	JRKL	Homo sapiens JRK-like (JRKL), transcript variant 1, mRNA [NM_003772]
A_33_P3279831	1.52	PNRC1	Homo sapiens proline-rich nuclear receptor coactivator 1 (PNRC1), mRNA [NM_006813]
A_23_P103864	1.52	TTC13	Homo sapiens tetratricopeptide repeat domain 13 (TTC13), transcript variant 1, mRNA [NM_024525]
A_23_P331479	1.51	PPP1R18	Homo sapiens protein phosphatase 1, regulatory subunit 18 (PPP1R18), transcript variant 1, mRNA [NM_133471]
A_24_P296254	1.51	ARHGAP11A	Homo sapiens Rho GTPase activating protein 11A (ARHGAP11A), transcript variant 1, mRNA [NM_014783]

A_24_P364236	1.51	NDUFC2	Homo sapiens NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14,5kDa (NDUFC2), transcript variant 1, mRNA [NM_004549]
A_23_P345118	1.51	PIM1	Homo sapiens Pim-1 proto-oncogene, serine/threonine kinase (PIM1), transcript variant 1, mRNA [NM_002648]
A_23_P151870	1.51	GLCE	Homo sapiens glucuronic acid epimerase (GLCE), mRNA [NM_015554]
A_24_P134319	1.51	ADNP	Homo sapiens activity-dependent neuroprotector homeobox (ADNP), transcript variant 3, mRNA [NM_001282531]
A_23_P93360	1.51	AGER	Homo sapiens advanced glycosylation end product-specific receptor (AGER), transcript variant 1, mRNA [NM_001136]
A_32_P94722	1.51	BTBD9	Homo sapiens BTB (POZ) domain containing 9 (BTBD9), transcript variant 1, mRNA [NM_052893]
A_23_P118203	1.51	ZG16B	Homo sapiens zymogen granule protein 16B (ZG16B), mRNA [NM_145252]
A_23_P310350	1.51	SHPK	Homo sapiens sedoheptulokinase (SHPK), mRNA [NM_013276]
A_23_P363316	1.51	HOXB5	Homo sapiens homeobox B5 (HOXB5), mRNA [NM_002147]
A_23_P393099	1.50	TFF3	Homo sapiens trefoil factor 3 (intestinal) (TFF3), mRNA [NM_003226]
A_33_P3328637	1.50	PRRG1	Homo sapiens proline rich Gla (G-carboxyglutamic acid) 1 (PRRG1), transcript variant 5, mRNA [NM_001173486]
A_33_P3523501	1.50	LOC374890	PREDICTED: Homo sapiens uncharacterized LOC374890 (LOC374890), misc_RNA [XR_109585]
A_33_P3226407	1.50	LOC649305	PREDICTED: Homo sapiens uncharacterized LOC649305 (LOC649305), misc_RNA [XR_432303]
A_33_P3378925	1.50	RBM14	Homo sapiens RNA binding motif protein 14 (RBM14), transcript variant 1, mRNA [NM_006328]

Table S3: Genes significantly down-regulated in DZNep-treated versus untreated CH2879 chondrosarcomas in microarray analysis.

ProbeName	Fold change	Gene Symbol	Description
A_23_P17593	6.36	CDH4	Homo sapiens cadherin 4, type 1, R-cadherin (retinal) (CDH4), transcript variant 1, mRNA [NM_001794]
A_23_P300150	5.84	NFATC1	Homo sapiens nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1 (NFATC1), transcript variant 3, mRNA [NM_172387]
A_33_P3354847	5.46	C9orf171	Homo sapiens chromosome 9 open reading frame 171 (C9orf171), transcript variant 1, mRNA [NM_207417]
A_23_P140725	5.28	IFT140	Homo sapiens intraflagellar transport 140 (IFT140), mRNA [NM_014714]
A_33_P3569068	5.04	MAD1L1	Homo sapiens MAD1 mitotic arrest deficient-like 1 (yeast) (MAD1L1), transcript variant 1, mRNA [NM_003550]
A_23_P210835	4.39	MYT1	Homo sapiens myelin transcription factor 1 (MYT1), mRNA [NM_004535]
A_23_P21363	4.27	AHNAK	Homo sapiens AHNAK nucleoprotein (AHNAK), transcript variant 2, mRNA [NM_024060]
A_23_P427760	4.04	PIWIL4	Homo sapiens piwi-like RNA-mediated gene silencing 4 (PIWIL4), mRNA [NM_152431]
A_23_P250122	3.96	FAM20C	Homo sapiens family with sequence similarity 20, member C (FAM20C), mRNA [NM_020223]
A_33_P3224362	3.96	PCBP3	Homo sapiens poly(rC) binding protein 3 (PCBP3), transcript variant 1, mRNA [NM_020528]
A_24_P26897	3.94	INPP5A	Homo sapiens inositol polyphosphate-5-phosphatase, 40kDa (INPP5A), mRNA [NM_005539]
A_33_P3315554	3.91	ANKMY1	Homo sapiens ankyrin repeat and MYND domain containing 1 (ANKMY1), transcript variant 3, mRNA [NM_001282771]
A_24_P804667	3.66	METTL12	Homo sapiens methyltransferase like 12 (METTL12), mRNA [NM_001043229]
A_33_P3454679	3.56		PREDICTED: Homo sapiens glutenin, high molecular weight subunit DX5-like (LOC100996433), mRNA [XM_006710179]
A_32_P75661	3.52	PDIA6	PREDICTED: Homo sapiens protein disulfide isomerase family A, member 6 (PDIA6), transcript variant X4, mRNA [XM_006711856]
A_24_P802145	3.51	IRS1	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]
A_23_P147255	3.40	PCBP3	Homo sapiens poly(rC) binding protein 3 (PCBP3), transcript variant 1, mRNA [NM_020528]
A_33_P3288219	3.34		Homo sapiens cDNA FLJ45684 fis, clone FCBBF3005160, [AK127589]
A_33_P3266674	3.33	ZBTB46	Homo sapiens zinc finger and BTB domain containing 46 (ZBTB46), mRNA [NM_025224]
A_23_P74391	3.26	OPN3	Homo sapiens opsin 3 (OPN3), mRNA [NM_014322]
A_23_P29096	3.19	PDE9A	Homo sapiens phosphodiesterase 9A (PDE9A), transcript variant 1, mRNA [NM_002606]
A_33_P3409139	3.15	lnc-VTI1A-2	PREDICTED: Homo sapiens vesicle transport through interaction with t-SNAREs 1A (VTI1A), transcript variant X8, mRNA [XM_006717637]
A_33_P3243600	3.11		
A_33_P3344204	3.09	ZDHHC11	Homo sapiens zinc finger, DHHC-type containing 11 (ZDHHC11), mRNA [NM_024786]
A_24_P184769	3.07	WDR20	Homo sapiens WD repeat domain 20 (WDR20), transcript variant 1, mRNA [NM_181291]
A_24_P23625	3.06	HS3ST3B1	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1 (HS3ST3B1), transcript variant 1, mRNA [NM_006041]
A_32_P75902	2.95	MEIOB	Homo sapiens meiosis specific with OB domains (MEIOB), transcript variant 2, mRNA [NM_152764]
A_33_P3243887	2.91	IL11	Homo sapiens interleukin 11 (IL11), transcript variant 1, mRNA [NM_000641]
A_33_P3390823	2.86		
A_24_P926960	2.86	MEGF6	Homo sapiens multiple EGF-like-domains 6 (MEGF6), mRNA [NM_001409]
A_24_P300777	2.85	ADAM8	Homo sapiens ADAM metallopeptidase domain 8 (ADAM8), transcript variant 1, mRNA [NM_001109]
A_24_P589266	2.83	SH3RF3	Homo sapiens SH3 domain containing ring finger 3 (SH3RF3), mRNA [NM_001099289]
A_33_P3280927	2.82	SNHG7	Homo sapiens small nucleolar RNA host gene 7 (non-protein coding) (SNHG7), transcript variant 2, long non-coding RNA [NR_024542]
A_23_P24083	2.80	PNLIPRP2	Homo sapiens pancreatic lipase-related protein 2 (PNLIPRP2), transcript variant 1, mRNA [NM_005396]
A_33_P3345643	2.79		zinc finger, DHHC-type containing 11B [Source:HGNC Symbol;Acc:HGNC:32962] [ENST00000522356]
A_23_P109593	2.79	TBC1D22A	Homo sapiens TBC1 domain family, member 22A (TBC1D22A), transcript variant 1, mRNA [NM_014346]
A_23_P94819	2.78	RPH3AL	Homo sapiens rabphilin 3A-like (without C2 domains) (RPH3AL), transcript variant 1, mRNA [NM_006987]
A_24_P113572	2.77	PHF21B	Homo sapiens PHD finger protein 21B (PHF21B), transcript variant 1, mRNA [NM_138415]
A_23_P303317	2.75	ZXDC	Homo sapiens ZXD family zinc finger C (ZXDC), transcript variant 1, mRNA [NM_025112]
A_23_P21324	2.71	TWIST2	Homo sapiens twist family bHLH transcription factor 2 (TWIST2), transcript variant 1, mRNA [NM_001271893]
A_24_P153456	2.71	ZDHHC11	Homo sapiens zinc finger, DHHC-type containing 11 (ZDHHC11), mRNA [NM_024786]
A_33_P3313830	2.70	LINC01184	Homo sapiens long intergenic non-protein coding RNA 1184 (LINC01184), long non-coding RNA [NR_015360]
A_23_P500741	2.70	CBFA2T3	Homo sapiens core-binding factor, runt domain, alpha subunit 2; translocated to, 3 (CBFA2T3), transcript variant 1, mRNA [NM_005187]
A_23_P74581	2.69	SNHG12	Homo sapiens small nucleolar RNA host gene 12 (non-protein coding) (SNHG12), long non-coding RNA [NR_024127]
A_23_P10542	2.68	HTRA3	Homo sapiens HtrA serine peptidase 3 (HTRA3), transcript variant 1, mRNA [NM_053044]
A_23_P88099	2.67	MCF2L	Homo sapiens MCF2 cell line derived transforming sequence-like (MCF2L), transcript variant 2, mRNA [NM_024979]
A_24_P342829	2.67	SLC16A14	Homo sapiens solute carrier family 16, member 14 (SLC16A14), mRNA [NM_152527]
A_23_P59616	2.65	GTF2IRD2	Homo sapiens GTF2I repeat domain containing 2 (GTF2IRD2), transcript variant 1, mRNA [NM_173537]

Table S4: Enrichment analysis from up-regulated genes in DZNep-treated versus untreated CH2879 cells. Analysis considering the biological processes option in DAVID (GOTERM\_BP\_FAT), the cellular compartment option (GOTERM\_CC\_FAT) or the molecular function option (GOTERM\_MF\_FAT) as indicated in the first column.

Category	Term	Count	%	Benjamini	Genes
GOTERM_CC_FAT	GO:0032993~protein-DNA complex	17	2.94	3.0E-07	HIST1H2AB, H1F0, HIST1H2AC, HIST1H2BC, HIST1H4L, HIST2H2AAA4, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, RPA1, HIST1H2BO, POLD3, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_CC_FAT	GO:0000786~nucleosome	15	2.59	3.9E-07	HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0031497~chromatin assembly	15	2.59	1.7E-04	HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0006334~nucleosome assembly	15	2.59	2.1E-04	HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0065004~protein-DNA complex assembly	15	2.59	2.2E-04	HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0034728~nucleosome organization	15	2.59	2.3E-04	HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0001568~blood vessel development	25	4.32	5.3E-04	NRP2, EMCN, HTATIP2, LMO2, PGF, CXCL12, CITED2, ZFP36L1, HAND1, HEY1, CXCR4, HEY2, TGM2, IL1B, RHOB, PPAP2B, CEACAM1, ANGPTL4, KLF5, COL15A1, SLIT2, LAMA4, PROK1, JUN, NTRK2
GOTERM_BP_FAT	GO:0006323~DNA packaging	16	2.76	5.8E-04	HIST1H2AB, H1F0, HIST1H2AC, HIST1H2BC, HIST1H4L, HIST2H2AAA4, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, NCAPG, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0001944~vasculature development	25	4.32	5.8E-04	NRP2, EMCN, HTATIP2, LMO2, PGF, CXCL12, CITED2, ZFP36L1, HAND1, HEY1, CXCR4, HEY2, TGM2, IL1B, RHOB, PPAP2B, CEACAM1, ANGPTL4, KLF5, COL15A1, SLIT2, LAMA4, PROK1, JUN, NTRK2
GOTERM_CC_FAT	GO:0000785~chromatin	20	3.45	6.7E-04	HIST1H2AB, H1F0, DNMT3A, HIST1H2AC, HIST1H2BC, HIST1H4L, HIST2H2AAA4, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H2AD, HIST1H1A, H1FX, CITED2, HIST1H2BO, HIST1H1T, HIST1H2BK, JUN, INCENP, HIST2H2BF, HIST1H2AK, HIST1H4D, TMPO
GOTERM_BP_FAT	GO:0048514~blood vessel morphogenesis	22	3.80	1.2E-03	KLF5, NRP2, EMCN, HTATIP2, PGF, COL15A1, CXCL12, SLIT2, CITED2, ZFP36L1, HAND1, HEY1, CXCR4, PROK1, JUN, NTRK2, HEY2, TGM2, HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0006333~chromatin assembly or disassembly	15	2.59	6.1E-03	HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0048568~embryonic organ development	18	3.11	8.6E-03	NOG, CEBPB, LMO2, MAFB, NR4A3, CITED2, HESX1, HOXB4, CHRNA9, HOXA4, HAND1, HOXB7, CLIC5, HOXD3, HOXB5, FOXF2, HOXB6, HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0007389~pattern specification process	23	3.97	9.6E-03	NOG, ARC, EGR2, FOXA2, MAFB, HOXA11, EMX2, PRKDC, HOXD13, GRHL3, CXCL12, CITED2, HOXB4, HOXA4, HOXB7, BTG2, CXCR4, HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0001656~metanephros development	9	1.55	1.3E-02	BDNF, NOG, BMP2, OSR1, PGF, SALL1, HOXA11, SLIT2, GZF1
GOTERM_BP_FAT	GO:0001525~angiogenesis	16	2.76	1.4E-02	KLF5, NRP2, EMCN, HTATIP2, PGF, COL15A1, CXCL12, SLIT2, HAND1, CXCR4, PROK1, JUN, IL1B, RHOB, CEACAM1, ANGPTL4
GOTERM_CC_FAT	GO:0044427~chromosomal part	26	4.49	1.5E-02	HIST1H2AB, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2AD, H1FX, CITED2, RPA1, HIST1H2BO, HIST1H2BK, NCAPG, INCENP, HIST1H4D, TIGD6, H1F0, DNMT3A, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, JRKL, SYCE2, POLD3, HIST1H1T, JUN, BDNF, NOG, BMP2, PGF, SALL1, HOXA11, SLIT2, GZF1
GOTERM_BP_FAT	GO:0001657~ureteric bud development	8	1.38	1.7E-02	BDNF, NOG, BMP2, PGF, SALL1, HOXA11, SLIT2, GZF1
GOTERM_BP_FAT	GO:0009952~anterior/posterior pattern formation	15	2.59	2.2E-02	ARC, FOXA2, HOXA11, EMX2, PRKDC, HOXD13, HOXB4, HOXA4, BTG2, HOXB7, HOXC13, HOXD3, HOXB5, HIPK2, HOXB6
GOTERM_BP_FAT	GO:0003002~regionalization	18	3.11	2.3E-02	ARC, NOG, EGR2, FOXA2, MAFB, HOXA11, EMX2, PRKDC, HOXD13, HOXB4, HOXA4, HOXB7, BTG2, HOXC13, HOXD3, HOXB5, HIPK2, ALS2, IER3, FOSL2, HTATIP2, NUAQ2, PML, PRKDC, ARF6, SFN, STK17A, DIDO1, PLEKHG4, ARHGAP4, TMEM173, CXCR4, TARDBP, TGM2, C8ORF4, RHOB, IL1B, NEFH, SPATA4, INPP5D, MYC, NGEF, VAV3, CYCS, TREX1, IL24, BIRC3, YWHAE, BCL2L11, TRAF3IP2, TNS4, BBC3, HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0008219~cell death	42	7.25	2.3E-02	ALS2, IER3, FOSL2, HTATIP2, NUAQ2, PML, PRKDC, ARF6, SFN, STK17A, DIDO1, PLEKHG4, ARHGAP4, TMEM173, CXCR4, TARDBP, TGM2, C8ORF4, RHOB, IL1B, NEFH, SPATA4, INPP5D, MYC, NGEF, VAV3, CYCS, TREX1, IL24, BIRC3, YWHAE, BCL2L11, TRAF3IP2, TNS4, BBC3, HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0016265~death	42	7.25	2.4E-02	ALS2, IER3, FOSL2, HTATIP2, NUAQ2, PML, PRKDC, ARF6, SFN, STK17A, DIDO1, PLEKHG4, ARHGAP4, TMEM173, CXCR4, TARDBP, TGM2, C8ORF4, RHOB, IL1B, NEFH, SPATA4, INPP5D, MYC, NGEF, VAV3, CYCS, TREX1, IL24, BIRC3, YWHAE, BCL2L11, TRAF3IP2, TNS4, BBC3, HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2BG, HIST1H1A, HIST1H2AD, H1FX, HIST1H2BO, HIST1H1T, HIST1H2BK, HIST2H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0042330~taxis	16	2.76	2.4E-02	CXCL1, NRP2, CCL2, CCR1, CXCL2, CXCL12, SLIT2, CCL7, CCN12, DOCK2, CCR7, CXCR4, SEMA3F, IL1B, SERPIND1, FOSL1
GOTERM_BP_FAT	GO:0006935~chemotaxis	16	2.76	2.4E-02	CXCL1, NRP2, CCL2, CCR1, CXCL2, CXCL12, SLIT2, CCL7, CCN12, DOCK2, CCR7, CXCR4, SEMA3F, IL1B, SERPIND1, FOSL1
GOTERM_BP_FAT	GO:0051094~positive regulation of developmental process	22	3.80	2.8E-02	BMP2, FOXA2, IL6ST, KLF10, HOXA11, SLIT2, OTP, BDNF, PLA2G4A, CD36, JUN, HOXD3, SCIN, HEY2, RHOB, IL1B, INPP5D, RUNX1, HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2AD, HIST1H2BG, HIST1H2BK, HIST1H2BF, HIST1H2AK, HIST1H4D
KEGG_PATHWAY	hsa04512:ECM-receptor interaction	12	2.07	2.9E-02	LAMA2, VWF, LAMA4, LAMB3, CD36, COL6A3, ITGB4, ITGA10, LAMC2, COL5A3, COL4A6, SPP1
KEGG_PATHWAY	hsa05322:Systemic lupus erythematosus	12	2.07	3.2E-02	HIST1H2AB, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2AD, HIST1H2BG, HIST1H2BK, HIST1H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0042981~regulation of apoptosis	45	7.77	3.3E-02	IER3, HTATIP2, CCL2, NUAQ2, MITF, PML, PRKDC, RRM2B, SFN, STK17A, CITED2, ARHGAP4, BDNF, TGM2, IL1B, HSPA5, INPP5D, FOSL1, MYC, ANGPTL4, NGEF, CEBPB, VAV3, KLF10, CYCS, PIM1, ADNP, HGF, IDO1, IFI16, BIRC3, YWHAE, BCL2L11, DHRS2, PLA2G4A, BTG2, HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2AD, HIST1H2BG, HIST1H2BK, HIST1H2BF, HIST1H2AK, HIST1H4D
KEGG_PATHWAY	hsa04510:Focal adhesion	18	3.11	3.9E-02	VAV3, PGF, ITGB4, MYLPP, ITGA10, HGF, COL5A3, BIRC3, COL4A6, LAMA2, VWF, LAMB3, LAMA4, RASGRF1, JUN, COL6A3, LAMC2, SPP1, HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2AD, HIST1H2BG, HIST1H2BK, HIST1H2BF, HIST1H2AK, HIST1H4D
GOTERM_BP_FAT	GO:0043067~regulation of programmed cell death	45	7.77	3.9E-02	IER3, HTATIP2, CCL2, NUAQ2, MITF, PML, PRKDC, RRM2B, SFN, STK17A, CITED2, ARHGAP4, BDNF, TGM2, IL1B, HSPA5, INPP5D, FOSL1, MYC, ANGPTL4, NGEF, CEBPB, VAV3, KLF10, CYCS, PIM1, ADNP, HGF, IDO1, IFI16, BIRC3, YWHAE, BCL2L11, DHRS2, PLA2G4A, BTG2, HIST1H2AB, H1F0, HIST1H2AC, HIST1H4L, HIST2H2AAA4, HIST1H2BC, HIST1H1C, HIST1H2BF, HIST1H2AD, HIST1H2BG, HIST1H2BK, HIST1H2BF, HIST1H2AK, HIST1H4D

GOTERM_BP_FAT	GO:0010941~regulation of cell death	45	7.77	4.0E-02	IER3, HTATIP2, CCL2, NUAK2, MITF, PML, PRKDC, RRM2B, SFN, STK17A, CITED2, ARHGAP4, BDNF, TGM2, IL1B, HSPA5, INPP5D, FOSL1, MYC, ANGPTL4, NGEF, CEBPB, VAV3, KLF10, CYCS, PIM1, ADNP, HGF, IDO1, IFI16, BIRC3, YWHAE, BCL2L11, DHRS2, PLA2G4A, BTG2,
GOTERM_BP_FAT	GO:0007610~behavior	30	5.18	4.8E-02	CXCL1, ALS2, NRP2, CCL2, CCR1, CXCL2, CXCL12, CCL7, DOCK2, BDNF, NPAS3, CXCR4, SEMA3F, IL1B, FOSL1, EGR1, EGR2, S100P, IDO1, NR4A3, SLIT2, CCNL2, CCR7, RASGRF1, JUN, PRKAR1B, HIPK2, NTRK2, SERPIND1, HTR2A



Table S5: Enrichment analysis from down-regulated genes in DZNep-treated versus untreated CH2879 cells. Analysis considering the biological processes option in DAVID (GOTERM\_BP\_FAT), the cellular compartment option

Category	Term	Count	%	Benjamini	Genes
GOTERM_MF_FAT	GO:0043169~cation binding	167	30.76	0.004	SLC8A3, ADCY1, STK38, GBGT1, THOP1, PDLIM4, SNCA, FAM20C, JAG2, ZXDC, ZNF638, GTF2IRD2B, ZNF251, AGAP5, PTGIS, PLOD1, ZNF300, PRIM2, ZNF442, ELTD1, ASPH, ADAM8, CYHR1, ZNF595, PDXK, SCUBE1, GTF2IRD2, ZNF8, SPIRE2, NFU1, PITPNM3, CATSPER2, MIB2, TRIM32, ZNF383, PRDM2, XRN2, ADD2, TNFRSF6B, PPP2R3B, TSHZ2, ZNF79, NEK3, ZNF133, ZNF76, ZSCAN5A, ZNF619, MYT1, ZC3H6, DIDO1, RABGGTB, ZNF616, IRAK4, GALNS, CASZ1, IDH2, EFCAB2, IDH1, TRAF7, DNAJA3, COL18A1, TRPC1, ZNF623, ZBTB46, C11ORF54, ANKMY1, WHSC1, CELSR1, AFG3L2, LACTB2, GAS6, HDAC4, EBF3, ZIC5, RHOT1, CACNA1H, CACNA1C, PHF7, ZMAT1, PPARA, IMPA2, ARSD, SPG7, SLC5A4, ZNF81, TRPV1, ZMAT4, FOXK2, ZNF200, ZNF10, CBFA2T3, GLI2, ZKSCAN3, KCNJ14, MMP24, PDCD2, NT5M, TRPV4, LOXL4, MICAL1, NOS2, AGAP1, CTBS, KCNG1, IMPDH2, PHC2, SYNRG, PEPD, ZNF280D, GEN1, CACNG6, TMEM38A, RPH3AL, ZNF337, ZDHHC14, EML1, NPTXR, ZDHHC11, PDE9A, SGCE, CHFR, ZNF485, ZNF555, ING5, ABLIM2, PRKCZ, ZNF469, NKD2, NANOS1, BRSK2, RAG1, CABP7, RSAD2, CDH4, ZNF174, ZNF30, SMOCC2, ZSCAN20, BCL11A, TGM2, LIMD2, ZNF561, GALNT11, ZNF562, USP32, ZNF266, ACSL6, INSM1, SLC8A2, ADARB1, FADS1, ZNF160, FADS2, PHF11, ZNF26, NADK, PCK2, ZNF358, CABYR, MSRB2, PHF21B, NINL, SH3RF3, MEGF6, ZNF766, USP44, RNF41
GOTERM_MF_FAT	GO:0043167~ion binding	168	30.94	0.004	SLC8A3, ADCY1, STK38, GBGT1, THOP1, PDLIM4, SNCA, FAM20C, JAG2, ZXDC, ZNF638, GTF2IRD2B, ZNF251, AGAP5, PTGIS, PLOD1, ZNF300, PRIM2, ZNF442, ELTD1, ASPH, ADAM8, CYHR1, ZNF595, PDXK, SCUBE1, GTF2IRD2, ZNF8, SPIRE2, NFU1, PITPNM3, CATSPER2, MIB2, TRIM32, ZNF383, PRDM2, XRN2, ADD2, TNFRSF6B, PPP2R3B, TSHZ2, ZNF79, NEK3, ZNF133, ZNF76, ZSCAN5A, ZNF619, MYT1, ZC3H6, DIDO1, RABGGTB, ZNF616, IRAK4, GALNS, CASZ1, IDH2, EFCAB2, IDH1, TRAF7, DNAJA3, COL18A1, TRPC1, ZNF623, ZBTB46, C11ORF54, ANKMY1, WHSC1, CELSR1, AFG3L2, LACTB2, GAS6, HDAC4, EBF3, ZIC5, RHOT1, CACNA1H, CACNA1C, PHF7, ZMAT1, PPARA, IMPA2, ARSD, SPG7, SLC5A4, ZNF81, TRPV1, ZMAT4, FOXK2, ZNF200, ZNF10, CBFA2T3, GLI2, ZKSCAN3, KCNJ14, MMP24, PDCD2, NT5M, TRPV4, LOXL4, MICAL1, NOS2, AGAP1, CTBS, KCNG1, IMPDH2, PHC2, SYNRG, PEPD, ZNF280D, GEN1, CACNG6, TMEM38A, RPH3AL, ZNF337, ZDHHC14, EML1, NPTXR, ZDHHC11, PDE9A, SGCE, CHFR, ZNF485, ZNF555, ING5, ABLIM2, PRKCZ, ZNF469, NKD2, NANOS1, BRSK2, RAG1, CABP7, RSAD2, CDH4, ZNF174, ZNF30, SMOCC2, ZSCAN20, BCL11A, TGM2, LIMD2, ZNF561, GALNT11, ZNF562, USP32, ZNF266, ACSL6, INSM1, SLC8A2, ADARB1, FADS1, ZNF160, FADS2, PHF11, ZNF26, NADK, NPR3, PCK2, ZNF358, CABYR, MSRB2, PHF21B, NINL, SH3RF3, MEGF6, ZNF766, USP44, RNF41
GOTERM_MF_FAT	GO:0046872~metal ion binding	166	30.57	0.007	SLC8A3, ADCY1, STK38, GBGT1, THOP1, PDLIM4, SNCA, FAM20C, JAG2, ZXDC, ZNF638, GTF2IRD2B, ZNF251, AGAP5, PTGIS, PLOD1, ZNF300, PRIM2, ZNF442, ELTD1, ASPH, ADAM8, CYHR1, ZNF595, PDXK, SCUBE1, GTF2IRD2, ZNF8, SPIRE2, NFU1, PITPNM3, CATSPER2, MIB2, TRIM32, ZNF383, PRDM2, XRN2, ADD2, TNFRSF6B, PPP2R3B, TSHZ2, ZNF79, NEK3, ZNF133, ZNF76, ZSCAN5A, ZNF619, MYT1, ZC3H6, DIDO1, RABGGTB, ZNF616, IRAK4, GALNS, CASZ1, IDH2, EFCAB2, IDH1, TRAF7, DNAJA3, COL18A1, TRPC1, ZNF623, ZBTB46, C11ORF54, ANKMY1, WHSC1, CELSR1, AFG3L2, LACTB2, GAS6, HDAC4, EBF3, ZIC5, RHOT1, CACNA1H, CACNA1C, PHF7, ZMAT1, PPARA, IMPA2, ARSD, SPG7, SLC5A4, ZNF81, TRPV1, ZMAT4, FOXK2, ZNF200, ZNF10, CBFA2T3, GLI2, ZKSCAN3, KCNJ14, MMP24, PDCD2, NT5M, TRPV4, LOXL4, MICAL1, NOS2, AGAP1, CTBS, KCNG1, IMPDH2, PHC2, SYNRG, PEPD, ZNF280D, GEN1, CACNG6, TMEM38A, RPH3AL, ZNF337, ZDHHC14, EML1, NPTXR, ZDHHC11, PDE9A, SGCE, CHFR, ZNF485, ZNF555, ING5, ABLIM2, PRKCZ, ZNF469, NKD2, NANOS1, BRSK2, RAG1, CABP7, RSAD2, CDH4, ZNF174, ZNF30, SMOCC2, ZSCAN20, BCL11A, TGM2, LIMD2, ZNF561, GALNT11, ZNF562, USP32, ZNF266, ACSL6, INSM1, SLC8A2, ADARB1, FADS1, ZNF160, FADS2, PHF11, ZNF26, NADK, PCK2, ZNF358, CABYR, MSRB2, PHF21B, NINL, SH3RF3, MEGF6, ZNF766, USP44, RNF41
GOTERM_MF_FAT	GO:0046914~transition metal ion binding	115	21.18	0.026	GBGT1, THOP1, SNCA, PDLIM4, ZXDC, ZNF638, ZNF251, GTF2IRD2B, AGAP5, PTGIS, PLOD1, ZNF300, PRIM2, ZNF442, ASPH, ADAM8, CYHR1, ZNF595, PDXK, GTF2IRD2, ZNF8, SPIRE2, NFU1, MIB2, TRIM32, ZNF383, PRDM2, XRN2, TNFRSF6B, TSHZ2, ZNF79, ZNF133, ZNF76, ZSCAN5A, ZNF619, MYT1, ZC3H6, DIDO1, RABGGTB, ZNF616, CASZ1, IDH2, IDH1, TRAF7, DNAJA3, COL18A1, ZNF623, ZBTB46, C11ORF54, ANKMY1, WHSC1, AFG3L2, LACTB2, HDAC4, EBF3, ZIC5, PHF7, ZMAT1, PPARA, SPG7, ZNF81, ZMAT4, ZNF200, ZNF10, ZKSCAN3, GLI2, CBFA2T3, MMP24, PDCD2, MICAL1, LOXL4, NOS2, AGAP1, PHC2, PEPD, ZNF280D, RPH3AL, ZNF337, ZDHHC14, ZDHHC11, PDE9A, CHFR, ZNF485, ZNF555, ING5, ABLIM2, PRKCZ, ZNF469, NANOS1, RAG1, RSAD2, ZNF174, ZNF30, ZSCAN20, BCL11A, LIMD2, ZNF561, GALNT11, ZNF562, ZNF266, INSM1, ADARB1, FADS1, ZNF160, FADS2, ZNF26, PHF11, PCK2, ZNF358, MSRB2, PHF21B, SH3RF3, ZNF766, RNF41, USP44

GOTERM_MF_FAT	GO:0008270~zinc ion binding	98	18.05	0.029	THOP1, SNCA, PDLIM4, ZXDC, ZNF638, ZNF251, GTF2IRD2B, AGAP5, ZNF300, ZNF442, ADAM8, CYHR1, ZNF595, PDXK, GTF2IRD2, ZNF8, SPIRE2, MIB2, TRIM32, ZNF383, PRDM2, XRN2, TSHZ2, ZNF79, ZNF133, ZNF76, ZSCAN5A, ZNF619, MYT1, DIDO1, ZC3H6, RABGGTB, ZNF616, CASZ1, TRAF7, DNAJA3, COL18A1, ZNF623, C11ORF54, ZBTB46, ANKMY1, WHSC1, AFG3L2, LACTB2, HDAC4, EBF3, ZIC5, PHF7, ZMAT1, PPARA, SPG7, ZNF81, ZMAT4, ZNF200, ZNF10, GLI2, ZKSCAN3, CBFA2T3, PDCD2, MMP24, MICAL1, NOS2, AGAP1, PHC2, ZNF280D, ZNF337, RPH3AL, ZDHHC14, ZDHHC11, CHFR, ZNF485, ING5, ZNF555, PRKCZ, ABLIM2, ZNF469, NANOS1, RAG1, ZNF174, ZNF30, ZSCAN20, BCL11A, LIMD2, ZNF561, ZNF562, ZNF266, INSM1, ADARB1, ZNF160, ZNF26, PHF11, ZNF358, MSRB2, SH3RF3, PHF21B, ZNF766, RNF41, USP44
GOTERM_BP_FAT	GO:0010970~microtubule-based transport	8	1.47	0.040	PRKCZ, SPG7, NDE1, KIF1A, NDEL1, MAP2K1, KLC1, RHOT1

Table S6: Genes significantly regulated by DZNep (fold change > 1.5) in both CH2879 cells and chondrocytes.

ProbeName	Regulation	GeneSymbol	Description
A_23_P103511	up	C1orf226	Homo sapiens chromosome 1 open reading frame 226 (C1orf226), transcript variant 2, mRNA [NM_001085375]
A_23_P212196	up	OGG1	Homo sapiens 8-oxoguanine DNA glycosylase (OGG1), transcript variant 2d, mRNA [NM_016828]
A_33_P3398111	up	ZC3H18-AS1	Homo sapiens cDNA FLJ45530 fis, clone BRTHA2028297. [AK127438]
A_24_P19810	up	PPCS	Homo sapiens phosphopantothenoylcysteine synthetase (PPCS), transcript variant 1, mRNA [NM_024664]
A_23_P112026	up	IDO1	Homo sapiens indoleamine 2,3-dioxygenase 1 (IDO1), mRNA [NM_002164]
A_23_P107432	up	FLJ35934	Homo sapiens FLJ35934 (FLJ35934), long non-coding RNA [NR_104343]
A_23_P30736	up	HLA-DOB	Homo sapiens major histocompatibility complex, class II, DO beta (HLA-DOB), mRNA [NM_002120]
A_24_P398092	up	RAD23B	Homo sapiens RAD23 homolog B (S. cerevisiae) (RAD23B), transcript variant 1, mRNA [NM_002874]
A_23_P310350	up	SHPK	Homo sapiens sedoheptulokinase (SHPK), mRNA [NM_013276]
A_23_P169470	up	CDK9	Homo sapiens cyclin-dependent kinase 9 (CDK9), mRNA [NM_001261]
A_23_P74290	up	GBP5	Homo sapiens guanylate binding protein 5 (GBP5), transcript variant 1, mRNA [NM_052942]
A_23_P403955	up	TARDBP	Homo sapiens TAR DNA binding protein (TARDBP), mRNA [NM_007375]
A_23_P118571	up	SOST	Homo sapiens sclerostin (SOST), mRNA [NM_025237]
A_24_P926507	up	SLC14A1	Homo sapiens solute carrier family 14 (urea transporter), member 1 (Kidd blood group) (SLC14A1), transcript variant 4, mRNA [NM_001146037]
A_24_P364236	up	NDUFC2	Homo sapiens NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa (NDUFC2), transcript variant 1, mRNA [NM_004549]
A_23_P34915	up	ATF3	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 4, mRNA [NM_001040619]
A_33_P3238148	up	LRRD1	leucine-rich repeats and death domain containing 1 [Source:HGNC Symbol;Acc:HGNC:34300] [ENST00000343318]
A_23_P58132	up	RHOH	Homo sapiens ras homolog family member H (RHOH), transcript variant 6, mRNA [NM_004310]
A_23_P141447	up	RDM1	Homo sapiens RAD52 motif containing 1 (RDM1), transcript variant 2, mRNA [NM_001034836]
A_33_P3276207	up	NXPE3	Homo sapiens neurexophilin and PC-esterase domain family, member 3 (NXPE3), transcript variant 1, mRNA [NM_001134456]
A_23_P115785	up	FANK1	Homo sapiens fibronectin type III and ankyrin repeat domains 1 (FANK1), mRNA [NM_145235]
A_23_P104438	up	MYPN	Homo sapiens myopalladin (MYPN), transcript variant 1, mRNA [NM_032578]
A_33_P3351371	up	CYP19A1	Homo sapiens cytochrome P450, family 19, subfamily A, polypeptide 1 (CYP19A1), transcript variant 2, mRNA [NM_031226]
A_23_P83838	up	CA8	Homo sapiens carbonic anhydrase VIII (CA8), mRNA [NM_004056]
A_33_P3241511	up	SERPIND1	Homo sapiens serpin peptidase inhibitor, clade D (heparin cofactor), member 1 (SERPIND1), mRNA [NM_000185]
A_24_P376129	up	DFNB31	deafness, autosomal recessive 31 [Source:HGNC Symbol;Acc:HGNC:16361] [ENST00000374057]
A_23_P11685	up	PLA2G4A	Homo sapiens phospholipase A2, group IVA (cytosolic, calcium-dependent) (PLA2G4A), mRNA [NM_024420]
A_23_P133923	up	GPANK1	Homo sapiens G patch domain and ankyrin repeats 1 (GPANK1), transcript variant 2, mRNA [NM_033177]
A_33_P3295333	up	CLEC1A	Homo sapiens C-type lectin domain family 1, member A (CLEC1A), transcript variant 4, mRNA [NM_001297750]
A_23_P372096	up	NOL4L	nucleolar protein 4-like [Source:HGNC Symbol;Acc:HGNC:16106] [ENST00000326071]
A_23_P411296	up	CEBPB	Homo sapiens CCAAT/enhancer binding protein (C/EBP), beta (CEBPB), transcript variant 1, mRNA [NM_005194]
A_23_P429581	up	TMEM67	Homo sapiens transmembrane protein 67 (TMEM67), transcript variant 1, mRNA [NM_153704]
A_23_P133842	up	HIST1H1T	Homo sapiens histone cluster 1, H1t (HIST1H1T), mRNA [NM_005323]
A_33_P3695899	up	FLJ31104	Homo sapiens uncharacterized LOC441072 (FLJ31104), long non-coding RNA [NR_102755]
A_33_P3383955	up	DDB2	Homo sapiens damage-specific DNA binding protein 2, 48kDa (DDB2), transcript variant D1, mRNA [NM_001300734]
A_24_P11506	up	KYNU	Homo sapiens kynureninase (KYNU), transcript variant 2, mRNA [NM_001032998]
A_23_P79518	up	IL1B	Homo sapiens interleukin 1, beta (IL1B), mRNA [NM_000576]
A_33_P3788772	up	LOC200609	Homo sapiens mRNA; cDNA DKFZp434E2221 (from clone DKFZp434E2221) [AL137458]
A_33_P3839897	up	RNU4ATAC	HHAGE001732 Human liver regeneration after partial hepatectomy Homo sapiens cDNA, mRNA sequence [DW419002]
A_23_P7313	up	SPP1	Homo sapiens secreted phosphoprotein 1 (SPP1), transcript variant 1, mRNA [NM_001040058]

A_33_P3423551	up	IER3	Homo sapiens immediate early response 3 (IER3), mRNA [NM_003897]
A_23_P114061	up	TRPM3	Homo sapiens transient receptor potential cation channel, subfamily M, member 3 (TRPM3), transcript variant 9, mRNA [NM_001007471]
A_23_P108437	up	FZD5	Homo sapiens frizzled class receptor 5 (FZD5), mRNA [NM_003468]
A_33_P3364989	up	ACTL10	Homo sapiens actin-like 10 (ACTL10), mRNA [NM_001024675]
A_23_P204751	up	ASIC1	Homo sapiens acid sensing (proton gated) ion channel 1 (ASIC1), transcript variant 1, mRNA [NM_020039]
A_32_P130577	up		Homo sapiens cDNA clone IMAGE:5267335. [BC066989]
A_33_P3613516	up	GATA2-AS1	Homo sapiens cDNA: FLJ21000 fis, clone CAE03359. [AK024653]
A_23_P116387	up	INCENP	Homo sapiens inner centromere protein antigens 135/155kDa (INCENP), transcript variant 1, mRNA [NM_001040694]
A_33_P3367077	up	Inc-COL9A1-1	PREDICTED: Homo sapiens uncharacterized LOC100507172 (LOC100507172), mRNA [XM_003118552]
A_33_P3243023	up	ADRA1D	Homo sapiens adrenoceptor alpha 1D (ADRA1D), mRNA [NM_000678]
A_23_P213699	up	NRG2	Homo sapiens neuregulin 2 (NRG2), transcript variant 3, mRNA [NM_013982]
A_24_P66001	up	UQCR10	Homo sapiens ubiquinol-cytochrome c reductase, complex III subunit X (UQCR10), transcript variant 2, mRNA [NM_001003684]
A_33_P3245454	up	LOC389834	Homo sapiens ankyrin repeat domain 57 pseudogene (LOC389834), non-coding RNA [NR_027420]
A_23_P89431	up	CCL2	Homo sapiens chemokine (C-C motif) ligand 2 (CCL2), mRNA [NM_002982]
A_23_P156826	up	ADTRP	Homo sapiens androgen-dependent TFPI-regulating protein (ADTRP), transcript variant 2, mRNA [NM_032744]
A_23_P250212	up	SGK223	Homo sapiens homolog of rat pragma of Rnd2 (SGK223), mRNA [NM_001080826]
A_33_P3308432	up		Q8WW30_HUMAN (Q8WW30) MORN1 protein, partial (44%) [THC2519762]
A_33_P3369133	up	LOC102723367	PREDICTED: Homo sapiens uncharacterized LOC102723367 (LOC102723367), mRNA [XM_006711705]
A_23_P215956	up	MYC	Homo sapiens v-myc avian myelocytomatosis viral oncogene homolog (MYC), mRNA [NM_002467]
A_33_P3254727	up		
A_23_P105227	up	ME3	Homo sapiens malic enzyme 3, NADP(+)-dependent, mitochondrial (ME3), transcript variant 2, mRNA [NM_001014811]
A_23_P112554	up	COL15A1	Homo sapiens collagen, type XV, alpha 1 (COL15A1), mRNA [NM_001855]
A_23_P96087	up	H1FX	Homo sapiens H1 histone family, member X (H1FX), mRNA [NM_006026]
A_23_P123732	up	IDNK	Homo sapiens idnK, gluconokinase homolog (E. coli) (IDNK), transcript variant 1, mRNA [NM_001001551]
A_24_P256404	up	LOC100133616	Homo sapiens cDNA FLJ35883 fis, clone TESTI2008929. [AK093202]
A_23_P202448	up	CXCL12	Homo sapiens chemokine (C-X-C motif) ligand 12 (CXCL12), transcript variant 1, mRNA [NM_199168]
A_24_P329795	up	C10orf10	Homo sapiens chromosome 10 open reading frame 10 (C10orf10), mRNA [NM_007021]
A_32_P182439	up	POLD3	Homo sapiens polymerase (DNA-directed), delta 3, accessory subunit (POLD3), transcript variant 1, mRNA [NM_006591]
A_23_P55749	up	COL5A3	Homo sapiens collagen, type V, alpha 3 (COL5A3), mRNA [NM_015719]
A_33_P3307955	up	ABCD3	Homo sapiens ATP-binding cassette, sub-family D (ALD), member 3 (ABCD3), transcript variant 2, mRNA [NM_001122674]
A_33_P3357753	up	NUTM2A-AS1	Homo sapiens NUTM2A antisense RNA 1 (NUTM2A-AS1), long non-coding RNA [NR_024397]
A_33_P3227269	up	GATA3-AS1	Homo sapiens GATA3 antisense RNA 1 (GATA3-AS1), transcript variant 2, long non-coding RNA [NR_024256]
A_33_P3397801	up	FLJ45743	
A_23_P84230	up	OTP	Homo sapiens orthopedia homeobox (OTP), mRNA [NM_032109]
A_23_P502750	up	MDM2	Homo sapiens MDM2 proto-oncogene, E3 ubiquitin protein ligase (MDM2), transcript variant 1, mRNA [NM_002392]
A_23_P65262	up	N4BP2L2	Homo sapiens NEDD4 binding protein 2-like 2 (N4BP2L2), transcript variant 3, mRNA [NM_001278432]
A_23_P29257	up	H1FO	Homo sapiens H1 histone family, member 0 (H1FO), mRNA [NM_005318]
A_24_P282416	up	ABL1	Homo sapiens ABL proto-oncogene 1, non-receptor tyrosine kinase (ABL1), transcript variant b, mRNA [NM_007313]
A_33_P3212274	up	F2R	Homo sapiens coagulation factor II (thrombin) receptor, mRNA (cDNA clone IMAGE:4849569), with apparent retained intron. [BC016059]
A_23_P127584	up	NNMT	Homo sapiens nicotinamide N-methyltransferase (NNMT), mRNA [NM_006169]
A_23_P323166	up	SRRM2	Homo sapiens serine/arginine repetitive matrix 2 (SRRM2), mRNA [NM_016333]
A_23_P166526	up	RIBC2	Homo sapiens RIB43A domain with coiled-coils 2 (RIBC2), mRNA [NM_015653]
A_33_P3327500	up	UFSP1	Homo sapiens UFM1-specific peptidase 1 (non-functional) (UFSP1), mRNA [NM_001015072]

A_33_P3214105	up	ATF3	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 1, mRNA [NM_001674]
A_33_P3399061	up	ADARB1	Homo sapiens adenosine deaminase, RNA-specific, B1 (ADARB1), transcript variant 4, non-coding RNA [NR_027673]
A_33_P3398526	up	BCL2L11	Homo sapiens BCL2-like 11 (apoptosis facilitator) (BCL2L11), transcript variant 9, mRNA [NM_207002]
A_33_P3421365	up	ZNF169	Homo sapiens zinc finger protein 169 (ZNF169), transcript variant 3, mRNA [NM_001301275]
A_23_P53126	up	LMO2	Homo sapiens LIM domain only 2 (rhombotin-like 1) (LMO2), transcript variant 1, mRNA [NM_005574]
A_33_P3317580	up	GFRA2	Homo sapiens GDNF family receptor alpha 2 (GFRA2), transcript variant 1, mRNA [NM_001495]
A_33_P3229122	up	HIST1H2BF	Homo sapiens histone cluster 1, H2bf (HIST1H2BF), mRNA [NM_003522]
A_33_P3245011	up	DAK	Homo sapiens dihydroxyacetone kinase 2 homolog ( <i>S. cerevisiae</i> ) (DAK), mRNA [NM_015533]
A_23_P102681	up	LOC79160	Homo sapiens uncharacterized LOC79160 (LOC79160), long non-coding RNA [NR_125359]
A_24_P475864	up	RRN3P2	Homo sapiens RNA polymerase I transcription factor homolog ( <i>S. cerevisiae</i> ) pseudogene 2 (RRN3P2), non-coding RNA [NR_003369]
A_32_P119197	up	TPM3	Homo sapiens tropomyosin 3 (TPM3), transcript variant Tpm3.7, mRNA [NM_001043352]
A_24_P244410	up	ANAPC15	Homo sapiens anaphase promoting complex subunit 15 (ANAPC15), transcript variant 3, mRNA [NM_014042]
A_23_P116614	up	ME3	Homo sapiens malic enzyme 3, NADP(+)-dependent, mitochondrial (ME3), transcript variant 2, mRNA [NM_001014811]
A_23_P104741	up	KIRREL3	Homo sapiens kin of IRRE like 3 ( <i>Drosophila</i> ) (KIRREL3), transcript variant 1, mRNA [NM_032531]
A_33_P3305458	up	ATF6B	Homo sapiens activating transcription factor 6 beta (ATF6B), transcript variant 1, mRNA [NM_004381]
A_23_P15450	up	TMEM100	Homo sapiens transmembrane protein 100 (TMEM100), transcript variant 2, mRNA [NM_018286]
A_33_P3272957	up	HOXA-AS3	Homo sapiens HOXA cluster antisense RNA 3 (HOXA-AS3), transcript variant 1, long non-coding RNA [NR_038831]
A_33_P3267532	up	KCNJ15	Homo sapiens potassium channel, inwardly rectifying subfamily J, member 15 (KCNJ15), transcript variant 1, mRNA [NM_170736]
A_23_P53891	up	KLF5	Homo sapiens Kruppel-like factor 5 (intestinal) (KLF5), transcript variant 1, mRNA [NM_001730]
A_23_P213319	up	ADAMTS6	Homo sapiens ADAM metalloproteinase with thrombospondin type 1 motif, 6 (ADAMTS6), mRNA [NM_197941]
A_33_P3218951	up	RPA1	Homo sapiens replication protein A1, 70kDa (RPA1), mRNA [NM_002945]
A_32_P168442	up	HOTAIR	Homo sapiens HOX transcript antisense RNA (HOTAIR), transcript variant 3, long non-coding RNA [NR_047518]
A_33_P3246268	up	HOXD13	Homo sapiens homeobox D13 (HOXD13), mRNA [NM_000523]
A_32_P119248	up	FOXD4	Homo sapiens forkhead box D4 (FOXD4), mRNA [NM_207305]
A_23_P110791	up	CSF1R	Homo sapiens colony stimulating factor 1 receptor (CSF1R), transcript variant 1, mRNA [NM_005211]
A_33_P3699445	up		Homo sapiens hypothetical protein LOC644613, mRNA (cDNA clone IMAGE:4177475), partial cds. [BC025792]
A_33_P3248384	up	XLOC_014422	BROAD Institute lincRNA (XLOC_014422), lincRNA [TCONS_00029938]
A_23_P29029	up	URB1-AS1	Homo sapiens URB1 antisense RNA 1 (head to head) (URB1-AS1), long non-coding RNA [NR_026845]
A_33_P3261520	up		ATPase, H+ transporting, lysosomal accessory protein 1-like [Source:HGNC Symbol;Acc:HGNC:28091] [ENST00000508366]
A_23_P125383	up	TMEFF2	Homo sapiens transmembrane protein with EGF-like and two follistatin-like domains 2 (TMEFF2), mRNA [NM_016192]
A_23_P114084	up	PHEX	Homo sapiens phosphate regulating endopeptidase homolog, X-linked (PHEX), transcript variant 1, mRNA [NM_000444]
A_23_P65068	up	EID3	Homo sapiens EP300 interacting inhibitor of differentiation 3 (EID3), mRNA [NM_001008394]
A_23_P98310	up	CSTF3	Homo sapiens cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kDa (CSTF3), transcript variant 1, mRNA [NM_001326]
A_23_P104073	up	S100A3	Homo sapiens S100 calcium binding protein A3 (S100A3), mRNA [NM_002960]
A_33_P3391796	up	NOG	Homo sapiens noggin (NOG), mRNA [NM_005450]
A_24_P49199	up	GLDN	Homo sapiens gliomedin (GLDN), mRNA [NM_181789]
A_23_P70719	up	LAMA2	Homo sapiens laminin, alpha 2 (LAMA2), transcript variant 1, mRNA [NM_000426]
A_24_P331704	up	KRT80	Homo sapiens keratin 80, type II (KRT80), transcript variant 1, mRNA [NM_182507]
A_23_P139260	up	SLC22A18	Homo sapiens solute carrier family 22, member 18 (SLC22A18), transcript variant 2, mRNA [NM_183233]
A_33_P3279831	up	PNRC1	Homo sapiens proline-rich nuclear receptor coactivator 1 (PNRC1), mRNA [NM_006813]
A_33_P3520693	up	LOC646903	Homo sapiens uncharacterized LOC646903 (LOC646903), long non-coding RNA [NR_036538]
A_32_P78491	up	ETV1	Homo sapiens ets variant 1 (ETV1), transcript variant 1, mRNA [NM_004956]
A_33_P3305775	up	lnc-HDDC3-4	LNCipedia lincRNA (lnc-HDDC3-4), lincRNA [lnc-HDDC3-4:2]

A_23_P42257	up	IER3	Homo sapiens immediate early response 3 (IER3), mRNA [NM_003897]
A_33_P3404749	up	FMN1	Homo sapiens formin 1 (FMN1), transcript variant 1, mRNA [NM_001277313]
A_33_P3626709	up	LOC100129280	Homo sapiens cDNA FLJ44650 fis, clone BRACE2039607. [AK126613]
A_33_P3253214	up		histone cluster 2, H2aa4 [Source:HGNC Symbol;Acc:HGNC:29668] [ENST00000607355]
A_23_P218579	up	GLB1L	Homo sapiens galactosidase, beta 1-like (GLB1L), transcript variant 2, mRNA [NM_024506]
A_33_P3316587	up	SLC22A18AS	Homo sapiens solute carrier family 22 (organic cation transporter), member 18 antisense (SLC22A18AS), transcript variant 1, mRNA [NM_007105]
A_33_P3309626	up	ADAMTS17	ADAM metalloproteinase with thrombospondin type 1 motif, 17 [Source:HGNC Symbol;Acc:HGNC:17109] [ENST00000378898]
A_33_P3251547	up	Inc-C7orf11-1	PREDICTED: Homo sapiens elastin-like (LOC101929264), mRNA [XM_005249927]
A_33_P3403107	up	PRR19	Homo sapiens proline rich 19 (PRR19), mRNA [NM_199285]
A_23_P59410	up	KIF25	Homo sapiens kinesin family member 25 (KIF25), transcript variant 1, mRNA [NM_030615]
A_33_P3334275	up	Inc-LIF-1	3596278H1 FIBPNOT01 Homo sapiens cDNA clone 3596278 5', mRNA sequence [BU584355]
A_23_P3379	up	RASGRF1	Homo sapiens Ras protein-specific guanine nucleotide-releasing factor 1 (RASGRF1), transcript variant 1, mRNA [NM_002891]
A_32_P203528	up	SYCE2	Homo sapiens synaptonemal complex central element protein 2 (SYCE2), mRNA [NM_001105578]
A_24_P129341	up	AKR1B10	Homo sapiens aldo-keto reductase family 1, member B10 (aldose reductase) (AKR1B10), mRNA [NM_020299]
A_32_P96692	up	POLH	Homo sapiens polymerase (DNA directed), eta (POLH), transcript variant 1, mRNA [NM_006502]
A_33_P3387365	up	PXMP4	Homo sapiens peroxisomal membrane protein 4, 24kDa (PXMP4), transcript variant 1, mRNA [NM_007238]
A_23_P110957	up	FOXF2	Homo sapiens forkhead box F2 (FOXF2), mRNA [NM_001452]
A_24_P282751	up	SUPT7L	Homo sapiens suppressor of Ty 7 ( <i>S. cerevisiae</i> )-like (SUPT7L), transcript variant 1, mRNA [NM_014860]
A_23_P201636	up	LAMC2	Homo sapiens laminin, gamma 2 (LAMC2), transcript variant 1, mRNA [NM_005562]
A_23_P31945	up	IL33	Homo sapiens interleukin 33 (IL33), transcript variant 1, mRNA [NM_033439]
A_33_P3407636	up	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon [Source:HGNC Symbol;Acc:HGNC:12851] [ENST00000576854]
A_33_P3423631	up	WHSC1	Homo sapiens Wolf-Hirschhorn syndrome candidate 1 (WHSC1), transcript variant 8, mRNA [NM_007331]
A_33_P3307500	up	STRA6	Homo sapiens stimulated by retinoic acid 6 (STRA6), transcript variant 5, mRNA [NM_001142620]
A_32_P28939	up	ALKBH2	Homo sapiens alkB, alkylation repair homolog 2 ( <i>E. coli</i> ) (ALKBH2), transcript variant 2, mRNA [NM_001001655]
A_33_P3360675	up	PRKAR1B	Homo sapiens protein kinase, cAMP-dependent, regulatory, type I, beta (PRKAR1B), transcript variant 1, mRNA [NM_001164761]
A_32_P72394	up	PRKAR1B	Homo sapiens protein kinase, cAMP-dependent, regulatory, type I, beta (PRKAR1B), transcript variant 2, mRNA [NM_002735]
A_33_P3401397	up	C7orf65	Homo sapiens chromosome 7 open reading frame 65 (C7orf65), mRNA [NM_001123065]
A_23_P369479	up	MSI2	Homo sapiens musashi RNA-binding protein 2 (MSI2), transcript variant 2, mRNA [NM_170721]
A_33_P3280385	up	COL6A3	Homo sapiens collagen, type VI, alpha 3 (COL6A3), transcript variant 3, mRNA [NM_057165]
A_23_P300600	up	NEFH	Homo sapiens neurofilament, heavy polypeptide (NEFH), mRNA [NM_021076]
A_23_P55281	up	HOXB7	Homo sapiens homeobox B7 (HOXB7), mRNA [NM_004502]
A_23_P103864	up	TTC13	Homo sapiens tetratricopeptide repeat domain 13 (TTC13), transcript variant 1, mRNA [NM_024525]
A_23_P209625	up	CYP1B1	Homo sapiens cytochrome P450, family 1, subfamily B, polypeptide 1 (CYP1B1), mRNA [NM_000104]
A_33_P3246448	up	KCNE4	Homo sapiens potassium channel, voltage gated subfamily E regulatory beta subunit 4 (KCNE4), mRNA [NM_080671]
A_24_P376120	up	MYPN	Homo sapiens myopalladin (MYPN), transcript variant 1, mRNA [NM_032578]
A_33_P3229467	up	STK17A	Homo sapiens serine/threonine kinase 17a (STK17A), mRNA [NM_004760]
A_33_P3343428	up	TRAF3IP2	Homo sapiens TRAF3 interacting protein 2 (TRAF3IP2), transcript variant 2, mRNA [NM_147686]
A_23_P321501	up	DHRS2	Homo sapiens dehydrogenase/reductase (SDR family) member 2 (DHRS2), transcript variant 1, mRNA [NM_182908]
A_23_P28246	up	SLC23A3	Homo sapiens solute carrier family 23, member 3 (SLC23A3), transcript variant 1, mRNA [NM_144712]
A_23_P126605	up	TMOD4	Homo sapiens tropomodulin 4 (muscle) (TMOD4), mRNA [NM_013353]
A_33_P3258472	up	SPTBN1	Homo sapiens spectrin, beta, non-erythrocytic 1 (SPTBN1), transcript variant 1, mRNA [NM_003128]
A_23_P39386	up	HCST	Homo sapiens hematopoietic cell signal transducer (HCST), transcript variant 1, mRNA [NM_014266]

A_33_P3279730	up		D-dopachrome tautomerase [Source:HGNC Symbol;Acc:HGNC:2732] [ENST00000444947]
A_33_P3232504	up	CYSRT1	Homo sapiens cysteine-rich tail protein 1 (CYSRT1), mRNA [NM_199001]
A_23_P62901	up	BTG2	Homo sapiens BTG family, member 2 (BTG2), mRNA [NM_006763]
A_33_P3330079	up	LOC100128242	PREDICTED: Homo sapiens uncharacterized LOC100128242 (LOC100128242), misc_RNA [XR_110532]
A_33_P3666817	up	C10orf55	Homo sapiens chromosome 10 open reading frame 55 (C10orf55), mRNA [NM_001001791]
A_33_P3352632	up	LOC728147	Homo sapiens cDNA FLJ38943 fis, clone NT2NE2017480. [AK096262]
A_32_P174083	up	CYCS	Homo sapiens cytochrome c, somatic (CYCS), mRNA [NM_018947]
A_33_P3240053	up	UFSP1	Homo sapiens UFM1-specific peptidase 1 (non-functional) (UFSP1), mRNA [NM_001015072]
A_33_P3342628	up	HES4	Homo sapiens hes family bHLH transcription factor 4 (HES4), transcript variant 2, mRNA [NM_021170]
A_23_P111583	up	CD36	Homo sapiens CD36 molecule (thrombospondin receptor) (CD36), transcript variant 2, mRNA [NM_001001547]
A_23_P100220	up	ESRP2	Homo sapiens epithelial splicing regulatory protein 2 (ESRP2), mRNA [NM_024939]
A_33_P3245006	up	DAK	Homo sapiens dihydroxyacetone kinase 2 homolog (S. cerevisiae) (DAK), mRNA [NM_015533]
A_23_P133739	up	HUS1B	Homo sapiens HUS1 checkpoint homolog b (S. pombe) (HUS1B), mRNA [NM_148959]
A_33_P3494979	up	lnc-SART3-1	Homo sapiens mRNA; cDNA DKFZp686F0839 (from clone DKFZp686F0839). [BX648662]
A_33_P3380056	up	MSANTD3	Homo sapiens Myb/SANT-like DNA-binding domain containing 3 (MSANTD3), transcript variant 4, mRNA [NM_001198807]
A_23_P46936	up	EGR2	Homo sapiens early growth response 2 (EGR2), transcript variant 1, mRNA [NM_000399]
A_23_P323272	up	OSR1	Homo sapiens odd-skipped related transcription factor 1 (OSR1), mRNA [NM_145260]
A_24_P182494	up	DUSP10	Homo sapiens dual specificity phosphatase 10 (DUSP10), transcript variant 1, mRNA [NM_007207]
A_23_P365086	up	ANKEF1	ankyrin repeat and EF-hand domain containing 1 [Source:HGNC Symbol;Acc:HGNC:15803] [ENST00000378392]
A_33_P3351851	up	HIST1H4L	Homo sapiens histone cluster 1, H4l (HIST1H4L), mRNA [NM_003546]
A_23_P121106	up	HESX1	Homo sapiens HESX homeobox 1 (HESX1), mRNA [NM_003865]
A_32_P130788	up	SAMD13	Homo sapiens sterile alpha motif domain containing 13 (SAMD13), transcript variant 1, mRNA [NM_001010971]
A_33_P3452287	up	LINC00316	Homo sapiens long intergenic non-protein coding RNA 316 (LINC00316), long non-coding RNA [NR_103811]
A_23_P110445	up	APBB3	Homo sapiens amyloid beta (A4) precursor protein-binding, family B, member 3 (APBB3), transcript variant 4, mRNA [NM_006051]
A_33_P3441060	up	TMEM242	Homo sapiens transmembrane protein 242 (TMEM242), mRNA [NM_018452]
A_23_P16058	up	ZNF296	Homo sapiens zinc finger protein 296 (ZNF296), mRNA [NM_145288]
A_24_P333567	up	MAN1B1-AS1	Homo sapiens MAN1B1 antisense RNA 1 (head to head) (MAN1B1-AS1), long non-coding RNA [NR_027447]
A_32_P60065	up	F2RL2	Homo sapiens coagulation factor II (thrombin) receptor-like 2 (F2RL2), transcript variant 1, mRNA [NM_004101]
A_23_P4551	up	SETBP1	Homo sapiens SET binding protein 1 (SETBP1), transcript variant 1, mRNA [NM_015559]
A_24_P415624	up	MLXIP	Homo sapiens MLX interacting protein (MLXIP), mRNA [NM_014938]
A_23_P93641	up	AKR1B10	Homo sapiens aldo-keto reductase family 1, member B10 (aldose reductase) (AKR1B10), mRNA [NM_020299]
A_33_P3368771	up	H1FX-AS1	Homo sapiens H1FX antisense RNA 1 (H1FX-AS1), long non-coding RNA [NR_026991]
A_33_P3389286	up	SFN	Homo sapiens stratifin (SFN), mRNA [NM_006142]
A_33_P3395028	up	LOC152225	Homo sapiens uncharacterized LOC152225 (LOC152225), long non-coding RNA [NR_026934]
A_23_P161624	up	FOSL1	Homo sapiens FOS-like antigen 1 (FOSL1), transcript variant 1, mRNA [NM_005438]
A_23_P143512	up	HSF2BP	Homo sapiens heat shock transcription factor 2 binding protein (HSF2BP), mRNA [NM_007031]
A_32_P83845	up	HEY1	Homo sapiens hes-related family bHLH transcription factor with YRPW motif 1 (HEY1), transcript variant 2, mRNA [NM_001040708]
A_24_P31003	up	GFER	Homo sapiens growth factor, augments liver regeneration (GFER), mRNA [NM_005262]
A_24_P360078	up	LRBA	Homo sapiens LPS-responsive vesicle trafficking, beach and anchor containing (LRBA), transcript variant 2, mRNA [NM_006726]
A_24_P134319	up	ADNP	Homo sapiens activity-dependent neuroprotector homeobox (ADNP), transcript variant 3, mRNA [NM_001282531]
A_23_P114883	up	FMOD	Homo sapiens fibromodulin (FMOD), transcript variant 1, mRNA [NM_002023]
A_33_P3382100	up	IGFN1	Homo sapiens immunoglobulin-like and fibronectin type III domain containing 1 (IGFN1), mRNA [NM_001164586]
A_33_P3276100	up	URAHF	Homo sapiens urate (hydroxyiso-) hydrolase, pseudogene (URAHF), transcript variant 1, non-coding RNA [NR_027336]

A_33_P3728698	up		
A_24_P416370	up	HOXB4	Homo sapiens homeobox B4 (HOXB4), mRNA [NM_024015]
A_33_P3369436	up	Inc-GOLGA8J-3	Homo sapiens, clone IMAGE:5221398, mRNA. [BC043570]
A_33_P3303956	up	HOXA-AS3	Homo sapiens HOXA cluster antisense RNA 3 (HOXA-AS3), transcript variant 1, long non-coding RNA [NR_038831]
A_33_P3219279	up	JPH4	Homo sapiens junctophilin 4 (JPH4), transcript variant 1, mRNA [NM_032452]
A_33_P3362991	up		
A_33_P3357535	up	CYB5B	Homo sapiens cytochrome b5 type B (outer mitochondrial membrane) (CYB5B), mRNA [NM_030579]
A_33_P3248953	up	C5orf63	Homo sapiens chromosome 5 open reading frame 63 (C5orf63), transcript variant 2, mRNA [NM_001164478]
A_23_P215883	up	NCALD	Homo sapiens neurocalcin delta (NCALD), transcript variant 7, mRNA [NM_001040630]
A_33_P3322804	up	NTRK2	Homo sapiens neurotrophic tyrosine kinase, receptor, type 2 (NTRK2), transcript variant f, mRNA [NM_001291937]
A_24_P35537	up	RIC3	Homo sapiens RIC3 acetylcholine receptor chaperone (RIC3), transcript variant 1, mRNA [NM_024557]
A_23_P69497	up	CLEC3B	Homo sapiens C-type lectin domain family 3, member B (CLEC3B), mRNA [NM_003278]
A_33_P3365441	up		Q5VUE8_HUMAN (Q5VUE8) LIM homeobox 9 (Fragment), complete [THC2626490]
A_33_P3323448	up	HM13	Homo sapiens histocompatibility (minor) 13 (HM13), transcript variant 4, mRNA [NM_178582]
A_24_P120537	up	SH3RF2	Homo sapiens SH3 domain containing ring finger 2 (SH3RF2), mRNA [NM_152550]
A_24_P133488	up	CDCA4	Homo sapiens cell division cycle associated 4 (CDCA4), transcript variant 1, mRNA [NM_017955]
A_23_P382065	up	EMCN	Homo sapiens endomucin (EMCN), transcript variant 1, mRNA [NM_016242]
A_23_P17103	up	TSGA10	Homo sapiens testis specific, 10 (TSGA10), transcript variant 1, mRNA [NM_025244]
A_23_P61466	up	CD163L1	Homo sapiens CD163 molecule-like 1 (CD163L1), transcript variant 2, mRNA [NM_174941]
A_23_P44569	up	ABCC2	Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 2 (ABCC2), mRNA [NM_000392]
A_23_P307392	up	LOC102725171	PREDICTED: Homo sapiens uncharacterized LOC102725171 (LOC102725171), ncRNA [XR_432995]
A_23_P303548	up	NOL4L	Homo sapiens nucleolar protein 4-like (NOL4L), transcript variant 1, mRNA [NM_001256798]
A_33_P3217609	up	TBC1D22A	Homo sapiens TBC1 domain family, member 22A (TBC1D22A), transcript variant 5, non-coding RNA [NR_104292]
A_23_P393099	up	TFF3	Homo sapiens trefoil factor 3 (intestinal) (TFF3), mRNA [NM_003226]
A_33_P3308686	up	CC2D2A	Homo sapiens coiled-coil and C2 domain containing 2A (CC2D2A), transcript variant 2, mRNA [NM_020785]
A_33_P3210399	up	SLC14A1	Homo sapiens solute carrier family 14 (urea transporter), member 1 (Kidd blood group) (SLC14A1), transcript variant 4, mRNA [NM_001146037]
A_32_P211117	up	HOXD3	homeobox D3 [Source:HGNC Symbol;Acc:HGNC:5137] [ENST00000459979]
A_23_P44264	up	EMX2	Homo sapiens empty spiracles homeobox 2 (EMX2), transcript variant 1, mRNA [NM_004098]
A_23_P157136	up	SCIN	Homo sapiens scinderin (SCIN), transcript variant 2, mRNA [NM_033128]
A_33_P3226080	up	SCIMP	Homo sapiens SLP adaptor and CSK interacting membrane protein (SCIMP), transcript variant 1, mRNA [NM_207103]
A_23_P325040	up	TMPO	Homo sapiens thymopoietin (TMPO), transcript variant 1, mRNA [NM_003276]
A_33_P3326904	up	LOC441268	Homo sapiens cDNA FLJ43176 fis, clone FCBBF3008944. [AK125166]
A_33_P3338166	up	NUAK2	Homo sapiens NUAK family, SNF1-like kinase, 2 (NUAK2), mRNA [NM_030952]
A_23_P395426	up	DIDO1	Homo sapiens death inducer-obliterator 1 (DIDO1), transcript variant 1, mRNA [NM_022105]
A_23_P384748	up	PLEKHH2	Homo sapiens pleckstrin homology domain containing, family H (with MyTH4 domain) member 2 (PLEKHH2), mRNA [NM_172069]
A_33_P3268035	up	LYZL1	Homo sapiens lysozyme-like 1 (LYZL1), mRNA [NM_032517]
A_33_P3413845	up	TIMM13	Homo sapiens translocase of inner mitochondrial membrane 13 homolog (yeast) (TIMM13), mRNA [NM_012458]
A_23_P200396	up	TMEM234	Homo sapiens transmembrane protein 234 (TMEM234), mRNA [NM_019118]
A_23_P64808	up	HOXC13	Homo sapiens homeobox C13 (HOXC13), mRNA [NM_017410]
A_33_P3333960	up	LINC00426	Homo sapiens long intergenic non-protein coding RNA 426 (LINC00426), long non-coding RNA [NR_024464]
A_23_P61149	up	INPP5D	Homo sapiens inositol polyphosphate-5-phosphatase, 145kDa (INPP5D), transcript variant 1, mRNA [NM_001017915]
A_33_P3367316	up	SCAND2P	Homo sapiens SCAN domain containing 2 pseudogene (SCAND2P), transcript variant 1, non-coding RNA [NR_004859]
A_33_P3389153	up	STK10	Homo sapiens serine/threonine kinase 10 (STK10), mRNA [NM_005990]



A_33_P3392250	up	FAM178A	Homo sapiens family with sequence similarity 178, member A (FAM178A), transcript variant 3, mRNA [NM_001243770]
A_33_P3292525	up	TMEM201	Homo sapiens transmembrane protein 201 (TMEM201), transcript variant 2, mRNA [NM_001010866]
A_33_P3383656	up	DUSP28	Homo sapiens dual specificity phosphatase 28 (DUSP28), mRNA [NM_001033575]
A_32_P161762	up	RUNX2	Homo sapiens runt-related transcription factor 2 (RUNX2), transcript variant 1, mRNA [NM_001024630]
A_23_P428184	up	HIST1H2AD	Homo sapiens histone cluster 1, H2ad (HIST1H2AD), mRNA [NM_021065]
A_33_P3353027	up		chimerin 2 [Source:HGNC Symbol;Acc:HGNC:1944] [ENST00000461824]
A_32_P222460	up	LOC100130700	Homo sapiens uncharacterized LOC100130700 (LOC100130700), transcript variant 1, long non-coding RNA [NR_034018]
A_23_P161218	up	ANKRD1	Homo sapiens ankyrin repeat domain 1 (cardiac muscle) (ANKRD1), mRNA [NM_014391]
A_32_P523096	up	FOXD2-AS1	Homo sapiens FOXD2 antisense RNA 1 (head to head) (FOXD2-AS1), long non-coding RNA [NR_026878]
A_33_P3813128	up	SEMA3F	Homo sapiens sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F (SEMA3F), mRNA [NM_004186]
A_33_P3338121	up	LAMB3	Homo sapiens laminin, beta 3 (LAMB3), transcript variant 2, mRNA [NM_001017402]
A_23_P131676	up	ACKR3	Homo sapiens atypical chemokine receptor 3 (ACKR3), mRNA [NM_020311]
A_33_P3242923	up	LINC00640	Homo sapiens long intergenic non-protein coding RNA 640 (LINC00640), long non-coding RNA [NR_038358]
A_32_P82475	up	SNHG10	Homo sapiens small nucleolar RNA host gene 10 (non-protein coding) (SNHG10), transcript variant 1, long non-coding RNA [NR_003138]
A_23_P163143	up	ACYP1	Homo sapiens acylphosphatase 1, erythrocyte (common) type (ACYP1), transcript variant 4, mRNA [NM_001302617]
A_33_P3399778	up		
A_33_P3301221	up	MORN1	Homo sapiens MORN repeat containing 1 (MORN1), transcript variant 3, non-coding RNA [NR_125361]
A_33_P3420841	up	EIF3D	eukaryotic translation initiation factor 3, subunit D [Source:HGNC Symbol;Acc:HGNC:3278] [ENST00000402116]
A_32_P305888	up	SH3TC2	Homo sapiens SH3 domain and tetratricopeptide repeats 2 (SH3TC2), mRNA [NM_024577]
A_23_P364766	up	SLX4IP	Homo sapiens SLX4 interacting protein (SLX4IP), mRNA [NM_001009608]
A_23_P217570	up	CAPN6	Homo sapiens calpain 6 (CAPN6), mRNA [NM_014289]
A_33_P3232173	up	PSPC1	paraspeckle component 1 [Source:HGNC Symbol;Acc:HGNC:20320] [ENST00000338910]
A_23_P345118	up	PIM1	Homo sapiens Pim-1 proto-oncogene, serine/threonine kinase (PIM1), transcript variant 1, mRNA [NM_002648]
A_24_P363408	up	HEY2	Homo sapiens hes-related family bHLH transcription factor with YRPW motif 2 (HEY2), mRNA [NM_012259]
A_24_P522864	up	MGC12916	Homo sapiens uncharacterized protein MGC12916 (MGC12916), long non-coding RNA [NR_026880]
A_33_P3255434	up	MEG3	Homo sapiens maternally expressed 3 (non-protein coding) (MEG3), transcript variant 1, long non-coding RNA [NR_002766]
A_23_P17522	up	NKX2-2	Homo sapiens NK2 homeobox 2 (NKX2-2), mRNA [NM_002509]
A_24_P784765	up	CD59	Homo sapiens CD59 molecule, complement regulatory protein (CD59), transcript variant 1, mRNA [NM_203330]
A_23_P201551	up	VAV3	Homo sapiens vav 3 guanine nucleotide exchange factor (VAV3), transcript variant 1, mRNA [NM_006113]
A_33_P3214625	up	INPP4B	Homo sapiens inositol polyphosphate-4-phosphatase, type II, 105kDa (INPP4B), transcript variant 1, mRNA [NM_003866]
A_33_P3315021	up	RPL23AP7	ribosomal protein L23a pseudogene 7 [Source:HGNC Symbol;Acc:HGNC:17336] [ENST00000416673]
A_23_P76969	up	SIPA1L1	Homo sapiens signal-induced proliferation-associated 1 like 1 (SIPA1L1), transcript variant 1, mRNA [NM_015556]
A_23_P431268	up	PLEKHA6	Homo sapiens pleckstrin homology domain containing, family A member 6 (PLEKHA6), mRNA [NM_014935]
A_33_P3410019	up		
A_33_P3328637	up	PRRG1	Homo sapiens proline rich Gla (G-carboxylglutamic acid) 1 (PRRG1), transcript variant 5, mRNA [NM_001173486]
A_23_P118203	up	ZG16B	Homo sapiens zymogen granule protein 16B (ZG16B), mRNA [NM_145252]
A_24_P472455	up	ARF6	Homo sapiens ADP-ribosylation factor 6 (ARF6), mRNA [NM_001663]
A_33_P3304511	up	SULT1C4	Homo sapiens sulfotransferase family, cytosolic, 1C, member 4 (SULT1C4), mRNA [NM_006588]
A_33_P3354021	up	RPL23AP53	Homo sapiens ribosomal protein L23a pseudogene 53 (RPL23AP53), non-coding RNA [NR_003572]
A_24_P120251	up	TM4SF18	Homo sapiens transmembrane 4 L six family member 18 (TM4SF18), transcript variant 1, mRNA [NM_138786]
A_23_P62081	up	SCG5	Homo sapiens secretogranin V (7B2 protein) (SCG5), transcript variant 2, mRNA [NM_003020]
A_24_P333857	up	SGIP1	Homo sapiens SH3-domain GRB2-like (endophilin) interacting protein 1 (SGIP1), mRNA [NM_032291]
A_23_P80974	up	TDO2	Homo sapiens tryptophan 2,3-dioxygenase (TDO2), mRNA [NM_005651]

A_24_P321634	up	ZMYM5	Homo sapiens zinc finger, MYM-type 5 (ZMYM5), transcript variant 1, mRNA [NM_001039650]
A_24_P376441	up	TAF5L	Homo sapiens TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa (TAF5L), transcript variant 2, mRNA [NM_001025247]
A_33_P3380992	up	AKR1B15	Homo sapiens aldo-keto reductase family 1, member B15 (AKR1B15), mRNA [NM_001080538]
A_23_P308305	up	TTC39C	Homo sapiens tetratricopeptide repeat domain 39C (TTC39C), transcript variant 3, mRNA [NM_001243425]
A_24_P355967	up	HTR2A	Homo sapiens 5-hydroxytryptamine (serotonin) receptor 2A, G protein-coupled (HTR2A), transcript variant 1, mRNA [NM_000621]
A_32_P150735	up		
A_33_P3788355	up	NAV2-AS4	Homo sapiens NAV2 antisense RNA 4 (NAV2-AS4), long non-coding RNA [NR_033989]
A_23_P88184	up	BTBD7	Homo sapiens BTB (POZ) domain containing 7 (BTBD7), transcript variant 2, mRNA [NM_018167]
A_23_P57534	up	DDX17	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box helicase 17 (DDX17), transcript variant 1, mRNA [NM_006386]
A_24_P380679	up	LSMEM1	Homo sapiens leucine-rich single-pass membrane protein 1 (LSMEM1), transcript variant 1, mRNA [NM_182597]
A_33_P3304908	up	WASH5P	WAS protein family homolog 5 pseudogene [Source:HGNC Symbol;Acc:HGNC:33884] [ENST00000607872]
A_32_P113812	up	lnc-EIF2D-1	Q9HBY7_HUMAN (Q9HBY7) Regulatory erythroid kinase long form (Dual-specificity tyrosine-phosphorylation regulated kinase 3 long isoform) (Dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3), partial (4%) [THC2689950]
A_33_P3398862	up	RHOB	ras homolog family member B [Source:HGNC Symbol;Acc:HGNC:668] [ENST00000272233]
A_33_P3220837	up	MAFB	Homo sapiens v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog B (MAFB), mRNA [NM_005461]
A_33_P3350413	up	SVIL	Homo sapiens cDNA, FLJ17314. [AK310272]
A_24_P48791	up	EIF2S2	Homo sapiens eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa (EIF2S2), mRNA [NM_003908]
A_23_P37994	up	TP53TG3	Homo sapiens TP53 target 3 (TP53TG3), transcript variant 1, mRNA [NM_016212]
A_33_P3283480	up	CTSC	Homo sapiens cathepsin C (CTSC), transcript variant 2, mRNA [NM_148170]
A_33_P3330911	up	BCAS1	Homo sapiens breast carcinoma amplified sequence 1 (BCAS1), mRNA [NM_003657]
A_33_P3377364	up	ITGB4	Homo sapiens integrin, beta 4 (ITGB4), transcript variant 1, mRNA [NM_000213]
A_33_P3535523	up	LOC286068	Homo sapiens, clone IMAGE:3909165, mRNA. [BC015720]
A_33_P3306762	up		Q5VZL8_HUMAN (Q5VZL8) Olfactomedin 1, complete [THC2682558]
A_32_P66364	up	PPP1R1C	Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 1C (PPP1R1C), transcript variant 3, mRNA [NM_001080545]
A_33_P3225843	up	CCDC149	Homo sapiens coiled-coil domain containing 149 (CCDC149), transcript variant 1, mRNA [NM_173463]
A_33_P3290780	up	IL24	Homo sapiens interleukin 24 (IL24), transcript variant 3, mRNA [NM_001185156]
A_33_P3415207	up	MPV17	MpV17 mitochondrial inner membrane protein [Source:HGNC Symbol;Acc:HGNC:7224] [ENST00000616707]
A_23_P434944	up	ILF3	Homo sapiens interleukin enhancer binding factor 3, 90kDa (ILF3), transcript variant 2, mRNA [NM_004516]
A_23_P415021	up	METTL7A	Homo sapiens methyltransferase like 7A (METTL7A), mRNA [NM_014033]
A_33_P3395008	up	ACOXL	Homo sapiens acyl-CoA oxidase-like (ACOXL), mRNA [NM_001142807]
A_33_P3335740	up	FLJ10038	Homo sapiens uncharacterized protein FLJ10038 (FLJ10038), long non-coding RNA [NR_026891]
A_33_P3376140	up	KCNJ15	Homo sapiens potassium channel, inwardly rectifying subfamily J, member 15 (KCNJ15), transcript variant 1, mRNA [NM_170736]
A_23_P398530	up	WHSC1	Homo sapiens Wolf-Hirschhorn syndrome candidate 1 (WHSC1), transcript variant 7, mRNA [NM_133334]
A_23_P150255	up	RBM14	Homo sapiens RNA binding motif protein 14 (RBM14), transcript variant 1, mRNA [NM_006328]
A_23_P129903	up	TRIM16L	Homo sapiens tripartite motif containing 16-like (TRIM16L), mRNA [NM_001037330]
A_23_P93360	up	AGER	Homo sapiens advanced glycosylation end product-specific receptor (AGER), transcript variant 1, mRNA [NM_001136]
A_23_P19723	up	BMP5	Homo sapiens bone morphogenetic protein 5 (BMP5), mRNA [NM_021073]
A_23_P58266	up	S100P	Homo sapiens S100 calcium binding protein P (S100P), mRNA [NM_005980]
A_23_P201808	up	PPAP2B	Homo sapiens phosphatidic acid phosphatase type 2B (PPAP2B), mRNA [NM_003713]
A_32_P379467	up	ISLR2	Homo sapiens immunoglobulin superfamily containing leucine-rich repeat 2 (ISLR2), transcript variant 2, mRNA [NM_020851]
A_24_P382319	up	CEACAM1	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1), transcript variant 1, mRNA [NM_001712]
A_33_P3276693	up	PGF	Homo sapiens placental growth factor (PGF), transcript variant 1, mRNA [NM_002632]

A_32_P221748	up		BX350880 Homo sapiens NEUROBLASTOMA COT 25-NORMALIZED Homo sapiens cDNA clone CS0DC005YN21 3-PRIME, mRNA sequence [BX350880]
A_33_P3741678	up		Q2IMJ3_ANADE (Q2IMJ3) LigA, partial (5%) [THC2492227]
A_33_P3409746	up	C11orf91	Homo sapiens chromosome 11 open reading frame 91 (C11orf91), mRNA [NM_001166692]
A_23_P402176	up	CCDC42	Homo sapiens coiled-coil domain containing 42 (CCDC42), transcript variant 1, mRNA [NM_144681]
A_33_P3236661	up	PCDH9	Homo sapiens protocadherin 9, mRNA (cDNA clone MGC:167030 IMAGE:8860363), complete cds. [BC150296]
A_33_P3288614	up	LOC101927322	Homo sapiens uncharacterized LOC101927322 (LOC101927322), mRNA [NM_001289967]
A_23_P416774	up	CLIC5	Homo sapiens chloride intracellular channel 5 (CLIC5), transcript variant 2, mRNA [NM_016929]
A_24_P416411	up	PEX12	Homo sapiens peroxisomal biogenesis factor 12 (PEX12), mRNA [NM_000286]
A_24_P843020	up		
A_33_P3301876	up		
A_23_P76078	up	IL23A	Homo sapiens interleukin 23, alpha subunit p19 (IL23A), mRNA [NM_016584]
A_24_P365515	up	FOXA2	Homo sapiens forkhead box A2 (FOXA2), transcript variant 1, mRNA [NM_021784]
A_33_P3265564	up		Q8IZ12_HUMAN (Q8IZ12) EPB41L5 protein, partial (19%) [THC2738856]
A_23_P251647	up	RFESD	Homo sapiens Rieske (Fe-S) domain containing (RFESD), transcript variant 2, mRNA [NM_173362]
A_23_P43557	up	DENND1A	Homo sapiens DENN/MADD domain containing 1A (DENND1A), transcript variant 2, mRNA [NM_024820]
A_23_P377664	up	ALS2	Homo sapiens amyotrophic lateral sclerosis 2 (juvenile) (ALS2), transcript variant 2, mRNA [NM_001135745]
A_33_P3269109	up	GUCY1A3	guanylate cyclase 1, soluble, alpha 3 [Source:HGNC Symbol;Acc:HGNC:4685] [ENST00000512983]
A_33_P3305855	up		PREDICTED: Homo sapiens uncharacterized LOC645967 (LOC645967), misc_RNA [XR_245616]
A_33_P3405424	up	IL4I1	Homo sapiens interleukin 4 induced 1 (IL4I1), transcript variant 1, mRNA [NM_152899]
A_33_P3283833	up	FOXS1	Homo sapiens forkhead box S1 (FOXS1), mRNA [NM_004118]
A_33_P3374190	up	INPP5A	Homo sapiens inositol polyphosphate-5-phosphatase, 40kDa (INPP5A), mRNA [NM_005539]
A_24_P223384	up	HIST1H2AB	Homo sapiens histone cluster 1, H2ab (HIST1H2AB), mRNA [NM_003513]
A_33_P3433388	up	TSL	Homo sapiens testis-expressed, seven-twelve, leukemia (TSL), transcript variant 1, long non-coding RNA [NR_122122]
A_23_P80295	up	SYN3	Homo sapiens synapsin III (SYN3), transcript variant IIIa, mRNA [NM_003490]
A_23_P85726	up	METTL18	Homo sapiens methyltransferase like 18 (METTL18), mRNA [NM_033418]
A_32_P101699	up	LOC729887	PREDICTED: Homo sapiens uncharacterized LOC729887 (LOC729887), misc_RNA [XR_243500]
A_23_P217845	up	RGS16	Homo sapiens regulator of G-protein signaling 16 (RGS16), mRNA [NM_002928]
A_33_P3353343	up	SRRM2	Homo sapiens serine/arginine repetitive matrix 2 (SRRM2), mRNA [NM_016333]
A_33_P3371270	up	TUG1	Homo sapiens taurine up-regulated 1 (non-protein coding) (TUG1), transcript variant 1, long non-coding RNA [NR_110492]
A_24_P91991	up	NAT8L	Homo sapiens N-acetyltransferase 8-like (GCN5-related, putative) (NAT8L), mRNA [NM_178557]
A_23_P130149	up	ENO3	Homo sapiens enolase 3 (beta, muscle) (ENO3), transcript variant 1, mRNA [NM_001976]
A_33_P3314643	up	SPEF1	Homo sapiens sperm flagellar 1 (SPEF1), mRNA [NM_015417]
A_33_P3299254	up	VPREB3	Homo sapiens pre-B lymphocyte 3 (VPREB3), mRNA [NM_013378]
A_33_P3237674	up		T cell receptor alpha constant [Source:HGNC Symbol;Acc:HGNC:12029] [ENST00000613353]
A_33_P3229239	up	HIST2H2BF	histone cluster 2, H2bf [Source:HGNC Symbol;Acc:HGNC:24700] [ENST00000369167]
A_33_P3423185	up	LOC102725171	PREDICTED: Homo sapiens uncharacterized LOC102725171 (LOC102725171), ncRNA [XR_432995]
A_33_P3380783	up	LOC100128184	Homo sapiens cDNA FLJ46151 fis, clone TESTI4000957. [AK128032]
A_33_P3216292	up	TBC1D2	Homo sapiens TBC1 domain family, member 2 (TBC1D2), transcript variant 1, mRNA [NM_001267571]
A_33_P3316786	up	DACH1	Homo sapiens dachshund family transcription factor 1 (DACH1), transcript variant 1, mRNA [NM_080759]
A_23_P61508	up	CHRNA9	Homo sapiens cholinergic receptor, nicotinic, alpha 9 (neuronal) (CHRNA9), mRNA [NM_017581]
A_23_P328074	up	SALL1	Homo sapiens spalt-like transcription factor 1 (SALL1), transcript variant 1, mRNA [NM_002968]
A_33_P3244424	up	SNRPE	Homo sapiens small nuclear ribonucleoprotein polypeptide E (SNRPE), mRNA [NM_003094]
A_23_P58579	up	TRIM52	Homo sapiens tripartite motif containing 52 (TRIM52), mRNA [NM_032765]

A_33_P3610768	up		Homo sapiens cDNA FLJ42271 fis, clone TKIDN2015788. [AK124265]
A_23_P164814	up	C19orf57	Homo sapiens chromosome 19 open reading frame 57 (C19orf57), mRNA [NM_024323]
A_33_P3870906	up	LOC100507634	Homo sapiens uncharacterized LOC100507634 (LOC100507634), long non-coding RNA [NR_038320]
A_33_P3362296	up	KCNG1	PREDICTED: Homo sapiens potassium voltage-gated channel, subfamily G, member 1 (KCNG1), transcript variant X2, mRNA [XM_006723786]
A_24_P296254	up	ARHGAP11A	Homo sapiens Rho GTPase activating protein 11A (ARHGAP11A), transcript variant 1, mRNA [NM_014783]
A_33_P3361152	up	LINC01119	Homo sapiens long intergenic non-protein coding RNA 1119 (LINC01119), long non-coding RNA [NR_024452]
A_24_P101800	up	NOL4L	nucleolar protein 4-like [Source:HGNC Symbol;Acc:HGNC:16106] [ENST00000485364]
A_23_P52986	up	VWCE	Homo sapiens von Willebrand factor C and EGF domains (VWCE), mRNA [NM_152718]
A_33_P3279629	up	UCN2	Homo sapiens urocortin 2 (UCN2), mRNA [NM_033199]
A_23_P160968	up	LAMC2	Homo sapiens laminin, gamma 2 (LAMC2), transcript variant 2, mRNA [NM_018891]
A_33_P3246022	up		SLIT-ROBO Rho GTPase activating protein 2 [Source:HGNC Symbol;Acc:HGNC:19751] [ENST00000624686]
A_33_P3402171	up	EIF2S1	Homo sapiens eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa (EIF2S1), mRNA [NM_004094]
A_33_P3378925	up	RBM14	Homo sapiens RNA binding motif protein 14 (RBM14), transcript variant 1, mRNA [NM_006328]
A_23_P331908	up	LOC101060179	PREDICTED: Homo sapiens uncharacterized LOC101060179 (LOC101060179), mRNA [XM_003959932]
A_23_P168828	up	KLF10	Homo sapiens Kruppel-like factor 10 (KLF10), transcript variant 1, mRNA [NM_005655]
A_23_P98350	up	BIRC3	Homo sapiens baculoviral IAP repeat containing 3 (BIRC3), transcript variant 1, mRNA [NM_001165]
A_33_P3237927	up	ARHGAP4	Homo sapiens Rho GTPase activating protein 4 (ARHGAP4), transcript variant 1, mRNA [NM_001164741]
A_33_P3339376	up	WIPF1	Homo sapiens WAS/WASL interacting protein family, member 1, mRNA (cDNA clone MGC:111041 IMAGE:5184105), complete cds. [BC110288]
A_23_P309381	up	HIST2H2AA4	Homo sapiens histone cluster 2, H2aa4 (HIST2H2AA4), mRNA [NM_001040874]
A_33_P3263432	up	ITGA10	Homo sapiens integrin, alpha 10 (ITGA10), transcript variant 1, mRNA [NM_003637]
A_23_P86195	up	SLC44A3	Homo sapiens solute carrier family 44, member 3 (SLC44A3), transcript variant 2, mRNA [NM_152369]
A_33_P3369761	up	PDP1	Homo sapiens pyruvate dehydrogenase phosphatase catalytic subunit 1 (PDP1), transcript variant 2, mRNA [NM_001161779]
A_33_P3422888	up	CLEC16A	Homo sapiens C-type lectin domain family 16, member A (CLEC16A), transcript variant 2, mRNA [NM_001243403]
A_23_P52610	up	DDB2	Homo sapiens damage-specific DNA binding protein 2, 48kDa (DDB2), mRNA [NM_000107]
A_23_P217637	up	TIMM8A	Homo sapiens translocase of inner mitochondrial membrane 8 homolog A (yeast) (TIMM8A), transcript variant 1, mRNA [NM_004085]
A_33_P3338733	up	MITF	Homo sapiens microphthalmia-associated transcription factor (MITF), transcript variant 1, mRNA [NM_198159]
A_23_P66682	up	HOXB6	Homo sapiens homeobox B6 (HOXB6), mRNA [NM_018952]
A_24_P229025	up	GRIA3	Homo sapiens glutamate receptor, ionotropic, AMPA 3 (GRIA3), transcript variant 3, mRNA [NM_001256743]
A_33_P3300867	up	Inc-PAICS-1	Homo sapiens cDNA FLJ42646 fis, clone BRACE3026075. [AK124637]
A_33_P3379061	up	C9orf47	Homo sapiens chromosome 9 open reading frame 47 (C9orf47), transcript variant 1, mRNA [NM_001001938]
A_24_P33895	up	ATF3	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 4, mRNA [NM_001040619]
A_32_P94722	up	BTBD9	Homo sapiens BTB (POZ) domain containing 9 (BTBD9), transcript variant 1, mRNA [NM_052893]
A_23_P79360	up	NOSTRIN	Homo sapiens nitric oxide synthase trafficking (NOSTRIN), transcript variant 1, mRNA [NM_052946]
A_24_P943358	up	DBF4	Homo sapiens DBF4 zinc finger (DBF4), mRNA [NM_006716]
A_24_P73075	up	TTC12	Homo sapiens tetratricopeptide repeat domain 12 (TTC12), mRNA [NM_017868]
A_33_P3289406	up	LOC91450	Homo sapiens uncharacterized LOC91450 (LOC91450), long non-coding RNA [NR_026998]
A_23_P393025	up	SPATA4	spermatogenesis associated 4 [Source:HGNC Symbol;Acc:HGNC:17333] [ENST00000280191]
A_33_P3800734	up	RYR3	Homo sapiens ryanodine receptor 3 (RYR3), transcript variant 1, mRNA [NM_001036]
A_23_P88559	up	LIPC	Homo sapiens lipase, hepatic (LIPC), mRNA [NM_000236]
A_33_P3226407	up	LOC649305	PREDICTED: Homo sapiens uncharacterized LOC649305 (LOC649305), misc_RNA [XR_432303]
A_33_P3226955	up		Q5JWQ5_HUMAN (Q5JWQ5) Neuropilin 1 (Fragment), partial (93%) [THC2768644]
A_33_P3383866	up	TREX1	Homo sapiens three prime repair exonuclease 1 (TREX1), transcript variant 1, mRNA [NM_016381]

A_33_P3523501	up	LOC374890	PREDICTED: Homo sapiens uncharacterized LOC374890 (LOC374890), misc_RNA [XR_109585]
A_24_P125283	up	HDAC5	Homo sapiens histone deacetylase 5 (HDAC5), transcript variant 3, mRNA [NM_001015053]
A_24_P854913	up	METTL21A	Homo sapiens methyltransferase like 21A (METTL21A), transcript variant 2, mRNA [NM_001127395]
A_33_P3323945	up	CEND1	Homo sapiens cell cycle exit and neuronal differentiation 1 (CEND1), mRNA [NM_016564]
A_33_P3223116	up	HIPK2	homeodomain interacting protein kinase 2 [Source:HGNC Symbol;Acc:HGNC:14402] [ENST00000342645]
A_33_P3258191	up	C16orf91	Homo sapiens chromosome 16 open reading frame 91 (C16orf91), mRNA [NM_001272051]
A_23_P169978	up	ZNF608	Homo sapiens zinc finger protein 608 (ZNF608), mRNA [NM_020747]
A_32_P191441	up	C10orf90	Homo sapiens chromosome 10 open reading frame 90 (C10orf90), mRNA [NM_001004298]
A_33_P3228305	up	ARHGAP26	Homo sapiens Rho GTPase activating protein 26 (ARHGAP26), transcript variant 1, mRNA [NM_015071]
A_24_P268993	up	LEAP2	Homo sapiens liver expressed antimicrobial peptide 2 (LEAP2), mRNA [NM_052971]
A_24_P307580	up	HTATIP2	Homo sapiens HIV-1 Tat interactive protein 2, 30kDa (HTATIP2), transcript variant 5, mRNA [NM_001098523]
A_33_P3329043	up	Inc-GMDS-2	Homo sapiens cDNA clone IMAGE:6086903, partial cds. [BC073826]
A_23_P348121	up	FOSL2	Homo sapiens FOS-like antigen 2 (FOSL2), mRNA [NM_005253]
A_24_P111134	up	POMT2	Homo sapiens protein-O-mannosyltransferase 2 (POMT2), mRNA [NM_013382]
A_23_P301328	up	PDXK	pyridoxal (pyridoxine, vitamin B6) kinase [Source:HGNC Symbol;Acc:HGNC:8819] [ENST00000476313]
A_23_P131825	up	TNNC2	Homo sapiens troponin C type 2 (fast) (TNNC2), mRNA [NM_003279]
A_32_P226078	up	OAZ3	Homo sapiens ornithine decarboxylase antizyme 3 (OAZ3), transcript variant 1, mRNA [NM_016178]
A_33_P3286422	up	FANCA	Homo sapiens Fanconi anemia, complementation group A (FANCA), transcript variant 2, mRNA [NM_001018112]
A_33_P3211260	up	DBNL	Homo sapiens mRNA for Drebrin-like protein variant protein. [AB209486]
A_33_P3331916	up	LINC00545	Homo sapiens long intergenic non-protein coding RNA 545 (LINC00545), long non-coding RNA [NR_103813]
A_33_P3368358	up	NEDD9	Homo sapiens neural precursor cell expressed, developmentally down-regulated 9 (NEDD9), transcript variant 2, mRNA [NM_182966]
A_23_P51884	up	PUSL1	Homo sapiens pseudouridylate synthase-like 1 (PUSL1), mRNA [NM_153339]
A_33_P3375613	up	C8orf44-SGK3	Homo sapiens C8orf44-SGK3 readthrough (C8orf44-SGK3), mRNA [NM_001204173]
A_23_P125809	up	ZCCHC12	Homo sapiens zinc finger, CCHC domain containing 12 (ZCCHC12), mRNA [NM_173798]
A_33_P3310774	up	LOC101060498	Homo sapiens uncharacterized LOC101060498 (LOC101060498), transcript variant 1, long non-coding RNA [NR_121640]
A_23_P307328	up	WHSC1	Homo sapiens Wolf-Hirschhorn syndrome candidate 1 (WHSC1), transcript variant 8, mRNA [NM_007331]
A_33_P3244585	up	FHAD1	Homo sapiens forkhead-associated (FHA) phosphopeptide binding domain 1 (FHAD1), mRNA [NM_052929]
A_24_P96234	up	QTRT1	Homo sapiens queuine tRNA-ribosyltransferase 1 (QTRT1), mRNA [NM_031209]
A_24_P50801	up	NRP2	Homo sapiens neuropilin 2 (NRP2), transcript variant 6, mRNA [NM_201264]
A_23_P58328	up	ANXA10	Homo sapiens annexin A10 (ANXA10), mRNA [NM_007193]
A_23_P395374	up	HIST1H4D	Homo sapiens histone cluster 1, H4d (HIST1H4D), mRNA [NM_003539]
A_24_P778836	up	RSL1D1	Homo sapiens ribosomal L1 domain containing 1 (RSL1D1), mRNA [NM_015659]
A_23_P39766	up	GLS	Homo sapiens glutaminase (GLS), transcript variant 1, mRNA [NM_014905]
A_33_P3285639	up	TSGA10	Homo sapiens testis specific, 10 (TSGA10), transcript variant 1, mRNA [NM_025244]
A_23_P416305	up	RPL27A	Homo sapiens ribosomal protein L27a (RPL27A), mRNA [NM_000990]
A_33_P3295358	up	ANGPTL4	Homo sapiens angiopoietin-like 4 (ANGPTL4), transcript variant 1, mRNA [NM_139314]
A_33_P3422404	up	ACSS1	Homo sapiens acyl-CoA synthetase short-chain family member 1 (ACSS1), transcript variant 4, mRNA [NM_001252677]
A_23_P320159	up	TCEANC	Homo sapiens transcription elongation factor A (SII) N-terminal and central domain containing (TCEANC), transcript variant 2, mRNA [NM_001297563]
A_24_P381555	up	SAP18	Homo sapiens Sin3A-associated protein, 18kDa (SAP18), mRNA [NM_005870]
A_24_P390060	up	IQCD	Homo sapiens IQ motif containing D (IQCD), mRNA [NM_138451]
A_24_P807031	up	ATP6AP1L	Homo sapiens ATPase, H+ transporting, lysosomal accessory protein 1-like (ATP6AP1L), mRNA [NM_001017971]
A_32_P32413	up	SETBP1	Homo sapiens SET binding protein 1 (SETBP1), transcript variant 1, mRNA [NM_015559]
A_23_P335495	up	ANO7	Homo sapiens anoctamin 7 (ANO7), transcript variant NGEP-L, mRNA [NM_001001891]

A_23_P358944	up	PML	Homo sapiens promyelocytic leukemia (PML), transcript variant 5, mRNA [NM_033244]
A_33_P3377529	up	HOXA4	Homo sapiens homeobox A4 (HOXA4), mRNA [NM_002141]
A_33_P3350207	up	HCFC1R1	Homo sapiens host cell factor C1 regulator 1 (XPO1 dependent) (HCFC1R1), transcript variant 1, mRNA [NM_017885]
A_23_P160940	up	ABCA4	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 4 (ABCA4), mRNA [NM_000350]
A_33_P3405957	up	BCL9L	Homo sapiens B-cell CLL/lymphoma 9-like (BCL9L), mRNA [NM_182557]
A_23_P320578	up	RGS16	Homo sapiens regulator of G-protein signaling 16 (RGS16), mRNA [NM_002928]
A_24_P313334	up	SERF2	Homo sapiens small EDRK-rich factor 2 (SERF2), transcript variant 4, mRNA [NM_001199877]
A_33_P3232692	up	IL24	Homo sapiens interleukin 24 (IL24), transcript variant 3, mRNA [NM_001185156]
A_24_P257416	up	CXCL2	Homo sapiens chemokine (C-X-C motif) ligand 2 (CXCL2), mRNA [NM_002089]
A_23_P96158	up	KRT17	Homo sapiens keratin 17, type I (KRT17), mRNA [NM_000422]
A_33_P3376249	up	S100A2	Homo sapiens S100 calcium binding protein A2 (S100A2), mRNA [NM_005978]
A_24_P155791	up	ASB7	Homo sapiens ankyrin repeat and SOCS box containing 7 (ASB7), transcript variant 1, mRNA [NM_024708]
A_23_P200096	up	SPSB1	Homo sapiens sPLA/ryanodine receptor domain and SOCS box containing 1 (SPSB1), mRNA [NM_025106]
A_23_P135381	up	SP5	Homo sapiens Sp5 transcription factor (SP5), mRNA [NM_001003845]
A_33_P3253812	up		
A_23_P305877	up	TMEM261	Homo sapiens transmembrane protein 261 (TMEM261), mRNA [NM_033428]
A_23_P129075	up	WDR76	Homo sapiens WD repeat domain 76 (WDR76), transcript variant 1, mRNA [NM_024908]
A_23_P202345	up	ADO	Homo sapiens 2-aminoethanethiol (cysteamine) dioxygenase (ADO), mRNA [NM_032804]
A_23_P9603	up	PRKDC	Homo sapiens protein kinase, DNA-activated, catalytic polypeptide (PRKDC), transcript variant 1, mRNA [NM_006904]
A_33_P3344733	up	NUBPL	Homo sapiens nucleotide binding protein-like (NUBPL), transcript variant 1, mRNA [NM_025152]
A_24_P328524	up	KALRN	Homo sapiens kalirin, RhoGEF kinase (KALRN), transcript variant 2, mRNA [NM_003947]
A_24_P263653	up	DOCK2	Homo sapiens dedicator of cytokinesis 2 (DOCK2), mRNA [NM_004946]
A_24_P588897	up	SLCO3A1	Homo sapiens solute carrier organic anion transporter family, member 3A1 (SLCO3A1), transcript variant 1, mRNA [NM_013272]
A_23_P60742	up	MYLPF	Homo sapiens myosin light chain, phosphorylatable, fast skeletal muscle (MYLPF), mRNA [NM_013292]
A_33_P3384462	up	THSD4	Homo sapiens thrombospondin, type I, domain containing 4 (THSD4), transcript variant 1, mRNA [NM_024817]
A_33_P3753757	up	Inc-SUSD1-1	Homo sapiens cDNA FLJ38333 fis, clone FCBBF3025674. [AK095652]
A_32_P78681	up	GLP2R	Homo sapiens glucagon-like peptide 2 receptor (GLP2R), mRNA [NM_004246]
A_23_P202737	up	JRKL	Homo sapiens JRK-like (JRKL), transcript variant 1, mRNA [NM_003772]
A_33_P3221119	up	GON4L	Homo sapiens gon-4-like (C. elegans) (GON4L), transcript variant 6, mRNA [NM_001282861]
A_24_P226970	up	ZNF365	Homo sapiens zinc finger protein 365 (ZNF365), transcript variant A, mRNA [NM_014951]
A_33_P3851788	up	CIRBP-AS1	Homo sapiens CIRBP antisense RNA 1 (CIRBP-AS1), long non-coding RNA [NR_027271]
A_23_P253350	up	C8orf4	Homo sapiens chromosome 8 open reading frame 4 (C8orf4), mRNA [NM_020130]
A_24_P148717	up	CCR1	Homo sapiens chemokine (C-C motif) receptor 1 (CCR1), mRNA [NM_001295]
A_23_P167997	up	HIST1H2BG	Homo sapiens histone cluster 1, H2bg (HIST1H2BG), mRNA [NM_003518]
A_23_P129856	up	HIC1	Homo sapiens hypermethylated in cancer 1 (HIC1), transcript variant 1, mRNA [NM_006497]
A_33_P3401782	up	C19orf54	Homo sapiens chromosome 19 open reading frame 54 (C19orf54), mRNA [NM_198476]
A_23_P99226	up	SIRT4	Homo sapiens sirtuin 4 (SIRT4), mRNA [NM_012240]
A_23_P302568	up	SLC30A3	Homo sapiens solute carrier family 30 (zinc transporter), member 3 (SLC30A3), mRNA [NM_003459]
A_23_P134204	up	FAM71F1	Homo sapiens family with sequence similarity 71, member F1 (FAM71F1), transcript variant 1, mRNA [NM_032599]
A_33_P3397658	up	SYNPO	synaptopodin [Source:HGNC Symbol;Acc:HGNC:30672] [ENST00000394243]
A_23_P216340	up	SLA	Homo sapiens Src-like-adaptor (SLA), transcript variant 1, mRNA [NM_001045556]
A_23_P60599	up	UGT1A6	Homo sapiens UDP glucuronosyltransferase 1 family, polypeptide A6 (UGT1A6), transcript variant 1, mRNA [NM_001072]
A_33_P3401402	up	C7orf65	Homo sapiens chromosome 7 open reading frame 65 (C7orf65), mRNA [NM_001123065]

A_23_P256047	up	ANKEF1	ankyrin repeat and EF-hand domain containing 1 [Source:HGNC Symbol;Acc:HGNC:15803] [ENST00000378380]
A_33_P3302453	up	LINC00242	Homo sapiens long intergenic non-protein coding RNA 242 (LINC00242), long non-coding RNA [NR_026781]
A_33_P3299025	up	LOC389834	Homo sapiens ankyrin repeat domain 57 pseudogene (LOC389834), non-coding RNA [NR_027420]
A_23_P24535	up	TTC12	Homo sapiens tetratricopeptide repeat domain 12 (TTC12), mRNA [NM_017868]
A_33_P3369939	up	DNAJC21	Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 21 (DNAJC21), transcript variant 1, mRNA [NM_194283]
A_23_P163402	up	CYP1A1	Homo sapiens cytochrome P450, family 1, subfamily A, polypeptide 1 (CYP1A1), mRNA [NM_000499]
A_24_P408704	up	DOCK2	Homo sapiens dedicator of cytokinesis 2 (DOCK2), mRNA [NM_004946]
A_33_P3387971	up	FLJ42351	uncharacterized LOC400999 [Source:EntrezGene;Acc:400999] [ENST00000457336]
A_23_P151870	up	GLCE	Homo sapiens glucuronic acid epimerase (GLCE), mRNA [NM_015554]
A_23_P144348	up	SLIT2	Homo sapiens slit homolog 2 (Drosophila) (SLIT2), transcript variant 1, mRNA [NM_004787]
A_32_P8546	up	LINC00473	Homo sapiens long intergenic non-protein coding RNA 473 (LINC00473), transcript variant 1, long non-coding RNA [NR_026860]
A_32_P162374	up	C18orf54	Homo sapiens chromosome 18 open reading frame 54 (C18orf54), transcript variant 3, mRNA [NM_173529]
A_33_P3272508	up	MRPL57	Homo sapiens mitochondrial ribosomal protein L57 (MRPL57), mRNA [NM_024026]
A_33_P3276718	up	HGF	Homo sapiens hepatocyte growth factor (hepapoietin A; scatter factor) (HGF), transcript variant 5, mRNA [NM_001010934]
A_23_P55616	up	SLC14A1	Homo sapiens solute carrier family 14 (urea transporter), member 1 (Kidd blood group) (SLC14A1), transcript variant 4, mRNA [NM_001146037]
A_33_P3382489	up	LOC100506457	
A_23_P125505	up	PPEF1	Homo sapiens protein phosphatase, EF-hand calcium binding domain 1 (PPEF1), transcript variant 1, mRNA [NM_006240]
A_33_P3371718	up	SAT1	Homo sapiens spermidine/spermine N1-acetyltransferase 1 (SAT1), transcript variant 1, mRNA [NM_002970]
A_33_P3236392	up	PVRL4	Homo sapiens poliovirus receptor-related 4 (PVRL4), mRNA [NM_030916]
A_33_P3229171	up	FLJ44635	Homo sapiens TPT1-like protein (FLJ44635), mRNA [NM_207422]
A_33_P3337599	up	PRKDC	Homo sapiens protein kinase, DNA-activated, catalytic polypeptide (PRKDC), transcript variant 1, mRNA [NM_006904]
A_24_P925664	up	MDM2	Homo sapiens MDM2 proto-oncogene, E3 ubiquitin protein ligase (MDM2), transcript variant 1, mRNA [NM_002392]
A_33_P3213029	up	RNF43	Homo sapiens ring finger protein 43 (RNF43), mRNA [NM_017763]
A_23_P51745	up	PROK1	Homo sapiens prokineticin 1 (PROK1), mRNA [NM_032414]
A_23_P343398	up	CCR7	Homo sapiens chemokine (C-C motif) receptor 7 (CCR7), mRNA [NM_001838]
A_33_P3228642	up		zinc finger protein 584 [Source:HGNC Symbol;Acc:HGNC:27318] [ENST00000594993]
A_24_P337419	up	TIGD6	Homo sapiens tigger transposable element derived 6 (TIGD6), transcript variant 1, mRNA [NM_030953]
A_33_P3288189	up	RHOBTB3	Homo sapiens Rho-related BTB domain containing 3 (RHOBTB3), mRNA [NM_014899]
A_33_P3385436	up	PLAC8L1	Homo sapiens PLAC8-like 1 (PLAC8L1), mRNA [NM_001029869]
A_24_P54390	up	RASGRP3	Homo sapiens RAS guanyl releasing protein 3 (calcium and DAG-regulated) (RASGRP3), transcript variant 2, mRNA [NM_170672]
A_33_P3379106	up	LINC00922	Homo sapiens long intergenic non-protein coding RNA 922 (LINC00922), long non-coding RNA [NR_027755]
A_33_P3304369	up		
A_33_P3326151	up		
A_33_P3247540	up	LOC389834	Homo sapiens ankyrin repeat domain 57 pseudogene (LOC389834), non-coding RNA [NR_027420]
A_23_P207387	up	GHDC	Homo sapiens GH3 domain containing (GHDC), transcript variant 1, mRNA [NM_032484]
A_33_P3219939	up	CUBN	Homo sapiens cubilin (intrinsic factor-cobalamin receptor) (CUBN), mRNA [NM_001081]
A_33_P3413098	up	LOC100129550	Homo sapiens uncharacterized LOC100129550 (LOC100129550), long non-coding RNA [NR_024618]
A_32_P223777	up	IL6ST	Homo sapiens interleukin 6 signal transducer (IL6ST), transcript variant 1, mRNA [NM_002184]
A_23_P304511	up	ZNF397	Homo sapiens zinc finger protein 397 (ZNF397), transcript variant 2, mRNA [NM_032347]
A_23_P404162	up	HDAC9	Homo sapiens histone deacetylase 9 (HDAC9), transcript variant 3, mRNA [NM_014707]
A_23_P145238	up	HIST1H2BK	Homo sapiens histone cluster 1, H2bk (HIST1H2BK), mRNA [NM_080593]
A_23_P396867	up	HM13	Homo sapiens histocompatibility (minor) 13 (HM13), transcript variant 4, mRNA [NM_178582]

A_23_P122443	up	HIST1H1C	Homo sapiens histone cluster 1, H1c (HIST1H1C), mRNA [NM_005319]
A_23_P137016	up	SAT1	Homo sapiens spermidine/spermine N1-acetyltransferase 1 (SAT1), transcript variant 1, mRNA [NM_002970]
A_23_P331479	up	PPP1R18	Homo sapiens protein phosphatase 1, regulatory subunit 18 (PPP1R18), transcript variant 1, mRNA [NM_133471]
A_23_P137856	up	MUC1	Homo sapiens mucin 1, cell surface associated (MUC1), transcript variant 1, mRNA [NM_002456]
A_23_P2942	up	NPAS3	Homo sapiens neuronal PAS domain protein 3 (NPAS3), transcript variant 2, mRNA [NM_022123]
A_32_P7316	up	BDNF	Homo sapiens brain-derived neurotrophic factor (BDNF), transcript variant 1, mRNA [NM_170735]
A_23_P382775	up	BBC3	Homo sapiens BCL2 binding component 3 (BBC3), transcript variant 4, mRNA [NM_014417]
A_23_P58770	up	HAND1	Homo sapiens heart and neural crest derivatives expressed 1 (HAND1), mRNA [NM_004821]
A_23_P37410	up	CYP19A1	Homo sapiens cytochrome P450, family 19, subfamily A, polypeptide 1 (CYP19A1), transcript variant 2, mRNA [NM_031226]
A_23_P398566	up	NR4A3	Homo sapiens nuclear receptor subfamily 4, group A, member 3 (NR4A3), transcript variant 3, mRNA [NM_173200]
A_32_P110872	up	GGACT	Homo sapiens gamma-glutamylamine cyclotransferase (GGACT), transcript variant 1, mRNA [NM_033110]
A_23_P58763	up	PELO	Homo sapiens pelota homolog (Drosophila) (PELO), mRNA [NM_015946]
A_23_P85716	up	FCGR2A	Homo sapiens Fc fragment of IgG, low affinity IIa, receptor (CD32) (FCGR2A), transcript variant 2, mRNA [NM_021642]
A_33_P3792328	up	LSM3	LSM3 homolog, U6 small nuclear RNA associated (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:17874] [ENST00000306024]
A_32_P79483	up	FGF14-AS2	Homo sapiens FGF14 antisense RNA 2 (FGF14-AS2), long non-coding RNA [NR_036487]
A_23_P160025	up	IFI16	Homo sapiens interferon, gamma-inducible protein 16 (IFI16), transcript variant 2, mRNA [NM_005531]
A_23_P64661	up	ARHGAP9	Homo sapiens Rho GTPase activating protein 9 (ARHGAP9), transcript variant 1, mRNA [NM_032496]
A_33_P3402329	up	MIR503HG	Homo sapiens MIR503 host gene (non-protein coding) (MIR503HG), long non-coding RNA [NR_024607]
A_24_P157926	up	TNFAIP3	Homo sapiens tumor necrosis factor, alpha-induced protein 3 (TNFAIP3), transcript variant 3, mRNA [NM_006290]
A_33_P3268472	up	CTSC	Homo sapiens cathepsin C (CTSC), transcript variant 3, mRNA [NM_001114173]
A_33_P3411145	up	FAM200B	Homo sapiens family with sequence similarity 200, member B (FAM200B), mRNA [NM_001145191]
A_24_P795594	up	ALG9	Homo sapiens ALG9, alpha-1,2-mannosyltransferase (ALG9), transcript variant 3, mRNA [NM_001077691]
A_23_P320862	up	C9orf43	Homo sapiens chromosome 9 open reading frame 43 (C9orf43), transcript variant 1, mRNA [NM_152786]
A_23_P66637	up	SGCA	Homo sapiens sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein) (SGCA), transcript variant 1, mRNA [NM_000023]
A_33_P3323384	up	RRM2B	Homo sapiens ribonucleotide reductase M2 B (TP53 inducible) (RRM2B), transcript variant 1, mRNA [NM_015713]
A_24_P402825	up	CACNA2D3	Homo sapiens calcium channel, voltage-dependent, alpha 2/delta subunit 3 (CACNA2D3), mRNA [NM_018398]
A_33_P3295870	up	FAM166A	Homo sapiens family with sequence similarity 166, member A (FAM166A), mRNA [NM_001001710]
A_33_P3389363	up	C19orf54	chromosome 19 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:24758] [ENST00000597507]
A_33_P3404671	up	NFYC-AS1	Homo sapiens NFYC antisense RNA 1 (NFYC-AS1), long non-coding RNA [NR_024567]
A_23_P354908	up	NMNAT2	Homo sapiens nicotinamide nucleotide adenyltransferase 2 (NMNAT2), transcript variant 1, mRNA [NM_015039]
A_23_P254254	up	SGSH	Homo sapiens N-sulfoglucosamine sulfohydrolase (SGSH), mRNA [NM_000199]
A_23_P8571	up	SSC4D	Homo sapiens scavenger receptor cysteine rich family, 4 domains (SSC4D), mRNA [NM_080744]
A_23_P40295	up	LAMP5	Homo sapiens lysosomal-associated membrane protein family, member 5 (LAMP5), transcript variant 1, mRNA [NM_012261]
A_33_P3237150	up	BMP2	Homo sapiens bone morphogenetic protein 2 (BMP2), mRNA [NM_001200]
A_23_P360754	up	ADAMTS4	Homo sapiens ADAM metalloproteinase with thrombospondin type 1 motif, 4 (ADAMTS4), mRNA [NM_005099]
A_33_P3255229	up	SETD7	Homo sapiens cDNA clone IMAGE:5312439. [BC066361]
A_23_P126613	up	AQP10	Homo sapiens aquaporin 10 (AQP10), mRNA [NM_080429]
A_33_P3220643	up	PTRH1	Homo sapiens peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae) (PTRH1), mRNA [NM_001002913]
A_33_P3341722	up		Synthetic construct Homo sapiens gateway clone IMAGE:100021085 5' read COL23A1 mRNA. [CU692082]
A_33_P3315134	up	DIRC3	Homo sapiens disrupted in renal carcinoma 3 (DIRC3), long non-coding RNA [NR_026597]
A_33_P3400057	up	TCEANC	Homo sapiens transcription elongation factor A (SII) N-terminal and central domain containing (TCEANC), transcript variant 2, mRNA [NM_001297563]
A_33_P3393684	up	VSIG8	Homo sapiens V-set and immunoglobulin domain containing 8 (VSIG8), mRNA [NM_001013661]



A_23_P15619	up	PRAC1	Homo sapiens prostate cancer susceptibility candidate 1 (PRAC1), mRNA [NM_032391]
A_23_P66798	up	KRT19	Homo sapiens keratin 19, type I (KRT19), mRNA [NM_002276]
A_33_P3315733	up	TRAPPCC10	Homo sapiens trafficking protein particle complex 10, mRNA (cDNA clone IMAGE:5929666), complete cds. [BC046241]
A_23_P363316	up	HOXB5	Homo sapiens homeobox B5 (HOXB5), mRNA [NM_002147]
A_23_P155057	up	CYTH4	Homo sapiens cytohesin 4 (CYTH4), mRNA [NM_013385]
A_24_P506977	up	SNHG15	Homo sapiens small nucleolar RNA host gene 15 (non-protein coding) (SNHG15), long non-coding RNA [NR_003697]
A_33_P3280040	up		ankyrin repeat domain 11 [Source:HGNC Symbol;Acc:HGNC:21316] [ENST00000566858]
A_23_P381746	up	ASXL3	Homo sapiens additional sex combs like transcriptional regulator 3 (ASXL3), mRNA [NM_030632]
A_23_P363769	up	KRT86	Homo sapiens keratin 86, type II (KRT86), mRNA [NM_002284]
A_33_P3213747	up	ZNHIT2	Homo sapiens zinc finger, HIT-type containing 2 (ZNHIT2), mRNA [NM_014205]
A_23_P258483	up	ANKRD55	Homo sapiens ankyrin repeat domain 55 (ANKRD55), mRNA [NM_024669]
A_23_P167983	up	HIST1H2AC	histone cluster 1, H2ac [Source:HGNC Symbol;Acc:HGNC:4733] [ENST00000314088]
A_23_P103756	up	OVGP1	Homo sapiens oviductal glycoprotein 1, 120kDa (OVGP1), mRNA [NM_002557]
A_33_P3269110	up	GUCY1A3	Homo sapiens guanylate cyclase 1, soluble, alpha 3 (GUCY1A3), transcript variant 7, mRNA [NM_001130687]
A_23_P369666	up	ZMYND8	zinc finger, MYND-type containing 8 [Source:HGNC Symbol;Acc:HGNC:9397] [ENST00000468376]
A_24_P359191	up	SLC6A6	Homo sapiens solute carrier family 6 (neurotransmitter transporter), member 6 (SLC6A6), transcript variant 1, mRNA [NM_003043]
A_32_P232214	up	TRABD2B	Homo sapiens TraB domain containing 2B (TRABD2B), mRNA [NM_001194986]
A_33_P3799692	up		Homo sapiens hypothetical protein LOC338620, mRNA (cDNA clone IMAGE:6023208), partial cds. [BC043009]
A_24_P411749	up	GPR126	Homo sapiens G protein-coupled receptor 126 (GPR126), transcript variant a1, mRNA [NM_020455]
A_33_P3240263	up	POMP	Homo sapiens proteasome maturation protein (POMP), mRNA [NM_015932]
A_24_P150466	up	SMOC1	Homo sapiens SPARC related modular calcium binding 1 (SMOC1), transcript variant 1, mRNA [NM_001034852]
A_33_P3419865	up	lnc-C5orf42-2	Homo sapiens cDNA FLJ10039 fis, clone HEMBA1000975. [AK000901]
A_23_P217379	up	COL4A6	Homo sapiens collagen, type IV, alpha 6 (COL4A6), transcript variant B, mRNA [NM_033641]
A_33_P3240094	up	NGEF	neuronal guanine nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:7807] [ENST00000409079]
A_33_P3292660	up	GRIA3	Homo sapiens glutamate receptor, ionotropic, AMPA 3 (GRIA3), transcript variant 3, mRNA [NM_001256743]
A_23_P259901	up	TKTL1	Homo sapiens transketolase-like 1 (TKTL1), transcript variant 1, mRNA [NM_012253]
A_33_P3392537	up	TK2	Homo sapiens thymidine kinase 2, mitochondrial (TK2), transcript variant 1, mRNA [NM_004614]
A_24_P89843	up	CYHR1	Homo sapiens cysteine/histidine-rich 1 (CYHR1), transcript variant 2, mRNA [NM_032687]
A_33_P3400273	up	SELL	Homo sapiens selectin L (SELL), transcript variant 1, mRNA [NM_000655]
A_23_P80594	up	PLCL2	Homo sapiens phospholipase C-like 2 (PLCL2), transcript variant 2, mRNA [NM_015184]
A_33_P3329255	up	NDST2	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2 [Source:HGNC Symbol;Acc:HGNC:7681] [ENST00000398701]
A_33_P3245449	up	LOC389834	Homo sapiens ankyrin repeat domain 57 pseudogene (LOC389834), non-coding RNA [NR_027420]
A_23_P160159	up	SLC2A5	Homo sapiens solute carrier family 2 (facilitated glucose/fructose transporter), member 5 (SLC2A5), transcript variant 1, mRNA [NM_003039]
A_33_P3235531	up	CD1D	Homo sapiens CD1d molecule (CD1D), mRNA [NM_001766]
A_23_P59069	up	HIST1H2BO	Homo sapiens histone cluster 1, H2bo (HIST1H2BO), mRNA [NM_003527]
A_33_P3288694	up	LOC101929243	PREDICTED: Homo sapiens uncharacterized LOC101929243 (LOC101929243), ncRNA [XR_249973]
A_23_P150249	up	CCDC85B	Homo sapiens coiled-coil domain containing 85B (CCDC85B), mRNA [NM_006848]
A_23_P207850	up	TNS4	Homo sapiens tensin 4 (TNS4), mRNA [NM_032865]
A_23_P5002	up	MAP4K1	Homo sapiens mitogen-activated protein kinase kinase kinase 1 (MAP4K1), transcript variant 1, mRNA [NM_001042600]
A_23_P4082	up	CCT6B	Homo sapiens chaperonin containing TCP1, subunit 6B (zeta 2) (CCT6B), transcript variant 1, mRNA [NM_006584]
A_33_P3255304	up	GGT5	Homo sapiens gamma-glutamyltransferase 5 (GGT5), transcript variant 1, mRNA [NM_001099781]
A_33_P3326568	up	GLIS3	GLIS family zinc finger 3 [Source:HGNC Symbol;Acc:HGNC:28510] [ENST00000467497]
A_23_P93180	up	HIST1H2BC	Homo sapiens histone cluster 1, H2bc (HIST1H2BC), mRNA [NM_003526]

A_23_P419795	up	SBF2	Homo sapiens SET binding factor 2 (SBF2), mRNA [NM_030962]
A_33_P3264364	up	DNM3	Homo sapiens dynamin 3 (DNM3), transcript variant 3, mRNA [NM_001278252]
A_23_P406350	up	MFSD3	Homo sapiens major facilitator superfamily domain containing 3 (MFSD3), transcript variant 1, mRNA [NM_138431]
A_23_P326844	up	NOP9	Homo sapiens NOP9 nucleolar protein (NOP9), transcript variant 1, mRNA [NM_174913]
A_33_P3242623	up	SLC7A11	Homo sapiens solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11 (SLC7A11), mRNA [NM_014331]
A_23_P78867	up	RYR1	Homo sapiens ryanodine receptor 1 (skeletal) (RYR1), transcript variant 1, mRNA [NM_000540]
A_23_P52067	up	GRHL3	Homo sapiens grainyhead-like 3 (Drosophila) (GRHL3), transcript variant 2, mRNA [NM_198173]
A_23_P46378	up	PIGV	Homo sapiens phosphatidylinositol glycan anchor biosynthesis, class V (PIGV), transcript variant 2, mRNA [NM_017837]
A_23_P371266	up	DNM3	Homo sapiens dynamin 3 (DNM3), transcript variant 1, mRNA [NM_015569]
A_23_P113613	up	CDCP1	Homo sapiens CUB domain containing protein 1 (CDCP1), transcript variant 1, mRNA [NM_022842]
A_23_P10385	up	DTL	Homo sapiens denticleless E3 ubiquitin protein ligase homolog (Drosophila) (DTL), transcript variant 1, mRNA [NM_016448]
A_23_P70448	up	HIST1H1A	Homo sapiens histone cluster 1, H1a (HIST1H1A), mRNA [NM_005325]
A_24_P217848	up	HIST1H2AK	Homo sapiens histone cluster 1, H2ak (HIST1H2AK), mRNA [NM_003510]
A_33_P3230254	up	NCAPG	Homo sapiens non-SMC condensin I complex, subunit G (NCAPG), transcript variant 1, mRNA [NM_022346]
A_33_P3236813	up	GPR19	Homo sapiens G protein-coupled receptor 19 (GPR19), mRNA [NM_006143]
A_23_P64873	up	DCN	Homo sapiens decorin (DCN), transcript variant A1, mRNA [NM_001920]
A_33_P3421243	up	AFP	Homo sapiens alpha-fetoprotein (AFP), mRNA [NM_001134]
A_23_P2873	down	KLC1	Homo sapiens kinesin light chain 1 (KLC1), transcript variant 2, mRNA [NM_182923]
A_23_P110266	down	NDNF	Homo sapiens neuron-derived neurotrophic factor (NDNF), mRNA [NM_024574]
A_23_P103104	down	MFNG	Homo sapiens MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (MFNG), transcript variant 1, mRNA [NM_002405]
A_23_P20876	down	PTPDC1	Homo sapiens protein tyrosine phosphatase domain containing 1 (PTPDC1), transcript variant 2, mRNA [NM_177995]
A_23_P8416	down	GALNT11	Homo sapiens polypeptide N-acetylgalactosaminyltransferase 11 (GALNT11), mRNA [NM_022087]
A_24_P48723	down	PTGIS	Homo sapiens prostaglandin I2 (prostacyclin) synthase (PTGIS), mRNA [NM_000961]
A_23_P112289	down	TMOD1	Homo sapiens tropomodulin 1 (TMOD1), transcript variant 1, mRNA [NM_003275]
A_23_P112634	down	SMIM14	Homo sapiens small integral membrane protein 14 (SMIM14), mRNA [NM_174921]
A_23_P112311	down	TRIM32	Homo sapiens tripartite motif containing 32 (TRIM32), transcript variant 1, mRNA [NM_012210]
A_24_P282237	down	PRIM2	Homo sapiens primase, DNA, polypeptide 2 (58kDa) (PRIM2), transcript variant 1, mRNA [NM_000947]
A_23_P110851	down	TERT	Homo sapiens telomerase reverse transcriptase (TERT), transcript variant 1, mRNA [NM_198253]
A_33_P3273173	down	USP11	Homo sapiens ubiquitin specific peptidase 11 (USP11), mRNA [NM_004651]
A_32_P176594	down	KIAA1614	Homo sapiens KIAA1614 (KIAA1614), mRNA [NM_020950]
A_23_P218597	down	NPAS2	Homo sapiens neuronal PAS domain protein 2 (NPAS2), mRNA [NM_002518]
A_23_P109593	down	TBC1D22A	Homo sapiens TBC1 domain family, member 22A (TBC1D22A), transcript variant 1, mRNA [NM_014346]
A_33_P3746549	down	PLEKHG4B	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 4B (PLEKHG4B), mRNA [NM_052909]
A_23_P250122	down	FAM20C	Homo sapiens family with sequence similarity 20, member C (FAM20C), mRNA [NM_020223]
A_33_P3381666	down	ABLIM2	Homo sapiens actin binding LIM protein family, member 2 (ABLIM2), transcript variant 7, mRNA [NM_001130088]
A_23_P106835	down	BBS2	Homo sapiens Bardet-Biedl syndrome 2 (BBS2), mRNA [NM_031885]
A_33_P3361584	down	LOC100130930	Homo sapiens cDNA FLJ44616 fis, clone BRACE2012936. [AK126579]
A_23_P29939	down	SNCA	Homo sapiens synuclein, alpha (non A4 component of amyloid precursor) (SNCA), transcript variant 4, mRNA [NM_007308]
A_23_P319626	down	ELAVL3	Homo sapiens ELAV like neuron-specific RNA binding protein 3 (ELAVL3), transcript variant 1, mRNA [NM_001420]
A_23_P90233	down	ZSCAN5A	Homo sapiens zinc finger and SCAN domain containing 5A (ZSCAN5A), mRNA [NM_024303]
A_23_P49539	down	BAHCC1	Homo sapiens BAH domain and coiled-coil containing 1 (BAHCC1), mRNA [NM_001291324]
A_23_P206901	down	NDE1	Homo sapiens nudE neurodevelopment protein 1 (NDE1), transcript variant 2, mRNA [NM_017668]
A_24_P177604	down	PPP1R3F	Homo sapiens protein phosphatase 1, regulatory subunit 3F (PPP1R3F), transcript variant 1, mRNA [NM_033215]

A_23_P394836	down	INF2	Homo sapiens inverted formin, FH2 and WH2 domain containing (INF2), transcript variant 1, mRNA [NM_022489]
A_33_P3280927	down	SNHG7	Homo sapiens small nucleolar RNA host gene 7 (non-protein coding) (SNHG7), transcript variant 2, long non-coding RNA [NR_024542]
A_24_P940135	down	CTBS	Homo sapiens chitinase, di-N-acetyl- (CTBS), mRNA [NM_004388]
A_23_P118306	down	DNAJA3	Homo sapiens DnaJ (Hsp40) homolog, subfamily A, member 3 (DNAJA3), transcript variant 1, mRNA [NM_005147]
A_23_P56213	down	GRAMD1A	Homo sapiens GRAM domain containing 1A (GRAMD1A), transcript variant 1, mRNA [NM_020895]
A_24_P128312	down	ZNF79	Homo sapiens zinc finger protein 79 (ZNF79), transcript variant 1, mRNA [NM_007135]
A_23_P101392	down	TMEM38A	Homo sapiens transmembrane protein 38A (TMEM38A), mRNA [NM_024074]
A_23_P115597	down	ANKRD26	Homo sapiens ankyrin repeat domain 26 (ANKRD26), transcript variant 1, mRNA [NM_014915]
A_32_P128391	down	LINC01137	Homo sapiens long intergenic non-protein coding RNA 1137 (LINC01137), long non-coding RNA [NR_038842]
A_23_P352266	down	BCL2	Homo sapiens B-cell CLL/lymphoma 2 (BCL2), transcript variant alpha, mRNA [NM_000633]
A_23_P110699	down	ZNF300	Homo sapiens zinc finger protein 300 (ZNF300), transcript variant 2, mRNA [NM_052860]
A_23_P75299	down	LHPP	Homo sapiens phospholysine phosphohistidine inorganic pyrophosphate phosphatase (LHPP), transcript variant 1, mRNA [NM_022126]
A_23_P31721	down	E2F5	Homo sapiens E2F transcription factor 5, p130-binding (E2F5), transcript variant 1, mRNA [NM_001951]
A_23_P420326	down	FNDC5	Homo sapiens fibronectin type III domain containing 5 (FNDC5), transcript variant 2, mRNA [NM_153756]
A_23_P435657	down	ALMS1P	Homo sapiens Alstrom syndrome 1 pseudogene (ALMS1P), non-coding RNA [NR_003683]
A_23_P149813	down	RSU1	Homo sapiens Ras suppressor protein 1 (RSU1), transcript variant 1, mRNA [NM_012425]
A_33_P3344204	down	ZDHHC11	Homo sapiens zinc finger, DHHC-type containing 11 (ZDHHC11), mRNA [NM_024786]
A_24_P13381	down	TRPV4	Homo sapiens transient receptor potential cation channel, subfamily V, member 4 (TRPV4), transcript variant 2, mRNA [NM_147204]
A_23_P1331	down	COL13A1	Homo sapiens collagen, type XIII, alpha 1 (COL13A1), transcript variant 5, mRNA [NM_080801]
A_33_P3239084	down	EEF2KMT	Homo sapiens eukaryotic elongation factor 2 lysine methyltransferase (EEF2KMT), transcript variant 1, mRNA [NM_201400]
A_33_P3218694	down	PNN	Homo sapiens pinin, desmosome associated protein (PNN), mRNA [NM_002687]
A_23_P125643	down	ASB9	Homo sapiens ankyrin repeat and SOCS box containing 9 (ASB9), transcript variant 1, mRNA [NM_001031739]
A_33_P3315554	down	ANKMY1	Homo sapiens ankyrin repeat and MYND domain containing 1 (ANKMY1), transcript variant 3, mRNA [NM_001282771]
A_23_P3849	down	TRAP1	Homo sapiens TNF receptor-associated protein 1 (TRAP1), transcript variant 1, mRNA [NM_016292]
A_23_P119789	down	TMEM185B	Homo sapiens transmembrane protein 185B (TMEM185B), mRNA [NM_024121]
A_23_P50678	down	MATK	Homo sapiens megakaryocyte-associated tyrosine kinase (MATK), transcript variant 1, mRNA [NM_139355]
A_23_P56703	down	TRABD2A	Homo sapiens TraB domain containing 2A (TRABD2A), transcript variant 1, mRNA [NM_001277053]
A_33_P3344603	down	ZNF280D	Homo sapiens zinc finger protein 280D (ZNF280D), transcript variant 5, mRNA [NM_001288589]
A_23_P108404	down	AGAP1	Homo sapiens ArfGAP with GTPase domain, ankyrin repeat and PH domain 1 (AGAP1), transcript variant 1, mRNA [NM_001037131]
A_33_P3256920	down	WNT7B	Homo sapiens wingless-type MMTV integration site family, member 7B (WNT7B), mRNA [NM_058238]
A_23_P210835	down	MYT1	Homo sapiens myelin transcription factor 1 (MYT1), mRNA [NM_004535]
A_23_P250102	down	CAND2	Homo sapiens cullin-associated and neddylation-dissociated 2 (putative) (CAND2), transcript variant 2, mRNA [NM_012298]
A_23_P253221	down	ARHGEF4	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 4 (ARHGEF4), transcript variant 2, mRNA [NM_032995]
A_33_P3308903	down	MIB2	Homo sapiens mindbomb E3 ubiquitin protein ligase 2 (MIB2), transcript variant 1, mRNA [NM_080875]
A_23_P407206	down	CLN8	Homo sapiens ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation) (CLN8), mRNA [NM_018941]
A_23_P115861	down	ZNF485	Homo sapiens zinc finger protein 485 (ZNF485), mRNA [NM_145312]
A_23_P129801	down	RAB40B	Homo sapiens RAB40B, member RAS oncogene family (RAB40B), mRNA [NM_006822]
A_23_P336565	down	FAM185A	Homo sapiens family with sequence similarity 185, member A (FAM185A), transcript variant 1, mRNA [NM_001145268]
A_33_P3362611	down	ELTD1	Homo sapiens EGF, latrophilin and seven transmembrane domain containing 1 (ELTD1), mRNA [NM_022159]
A_23_P351837	down	KLHL35	Homo sapiens kelch-like family member 35 (KLHL35), mRNA [NM_001039548]
A_32_P846696	down	LINC00965	Homo sapiens long intergenic non-protein coding RNA 965 (LINC00965), long non-coding RNA [NR_027000]
A_33_P3238295	down	FAM66C	Homo sapiens family with sequence similarity 66, member C (FAM66C), long non-coding RNA [NR_026788]
A_33_P3414312	down	USP32	Homo sapiens ubiquitin specific peptidase 32 (USP32), mRNA [NM_032582]

A_23_P17914	down	PNPLA3	Homo sapiens patatin-like phospholipase domain containing 3 (PNPLA3), mRNA [NM_025225]
A_23_P70148	down	NNT	Homo sapiens nicotinamide nucleotide transhydrogenase (NNT), transcript variant 2, mRNA [NM_182977]
A_23_P65174	down	PHF11	Homo sapiens PHD finger protein 11 (PHF11), transcript variant 1, mRNA [NM_001040443]
A_23_P101476	down	ZNF442	Homo sapiens zinc finger protein 442 (ZNF442), mRNA [NM_030824]
A_23_P109184	down	INSM1	Homo sapiens insulinoma-associated 1 (INSM1), mRNA [NM_002196]
A_23_P106720	down	TBL3	Homo sapiens transducin (beta)-like 3 (TBL3), mRNA [NM_006453]
A_23_P201079	down	PRDM2	Homo sapiens PR domain containing 2, with ZNF domain (PRDM2), transcript variant 1, mRNA [NM_012231]
A_24_P3415	down	PPP2R2C	Homo sapiens protein phosphatase 2, regulatory subunit B, gamma (PPP2R2C), transcript variant 1, mRNA [NM_020416]
A_23_P129064	down	GATM	Homo sapiens glycine amidinotransferase (L-arginine:glycine amidinotransferase) (GATM), mRNA [NM_001482]
A_23_P313828	down	CENPV	Homo sapiens centromere protein V (CENPV), mRNA [NM_181716]
A_23_P61569	down	VAMP4	Homo sapiens vesicle-associated membrane protein 4 (VAMP4), transcript variant 1, mRNA [NM_003762]
A_23_P29422	down	GYG1	Homo sapiens glycogenin 1 (GYG1), transcript variant 1, mRNA [NM_004130]
A_23_P68730	down	PDXK	Homo sapiens pyridoxal (pyridoxine, vitamin B6) kinase (PDXK), mRNA [NM_003681]
A_23_P253464	down	FAM175A	Homo sapiens family with sequence similarity 175, member A (FAM175A), mRNA [NM_139076]
A_23_P65983	down	CCDC102A	Homo sapiens coiled-coil domain containing 102A (CCDC102A), mRNA [NM_033212]
A_23_P131375	down	PQLC3	Homo sapiens PQ loop repeat containing 3 (PQLC3), transcript variant 1, mRNA [NM_152391]
A_23_P395172	down	ABHD2	Homo sapiens abhydrolase domain containing 2 (ABHD2), transcript variant 1, mRNA [NM_007011]
A_23_P151297	down	TNS2	Homo sapiens tensin 2 (TNS2), transcript variant 1, mRNA [NM_015319]
A_33_P3265270	down	SLC17A5	Homo sapiens solute carrier family 17 (acidic sugar transporter), member 5 (SLC17A5), mRNA [NM_012434]
A_23_P35609	down	UROS	Homo sapiens uroporphyrinogen III synthase (UROS), mRNA [NM_000375]
A_23_P218646	down	TNFRSF6B	Homo sapiens tumor necrosis factor receptor superfamily, member 6b, decoy (TNFRSF6B), mRNA [NM_003823]
A_23_P16652	down	ZNF555	Homo sapiens zinc finger protein 555 (ZNF555), transcript variant 1, mRNA [NM_152791]
A_24_P261383	down	TAF1D	Homo sapiens TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa (TAF1D), mRNA [NM_024116]
A_23_P101246	down	VSIG10L	Homo sapiens V-set and immunoglobulin domain containing 10 like (VSIG10L), mRNA [NM_001163922]
A_23_P142688	down	FAM134A	Homo sapiens family with sequence similarity 134, member A (FAM134A), mRNA [NM_024293]
A_23_P62634	down	RHCE	Homo sapiens Rh blood group, CcEe antigens (RHCE), transcript variant 1, mRNA [NM_020485]
A_32_P45009	down	IDH1	Homo sapiens isocitrate dehydrogenase 1 (NADP+), soluble (IDH1), transcript variant 1, mRNA [NM_005896]
A_33_P3683076	down	MAGED2	Homo sapiens cDNA FLJ33684 fis, clone BRAWH2002630, highly similar to Human hepatocellular carcinoma associated protein (JCL-1) mRNA. [AK091003]
A_23_P422212	down	SLC35F3	Homo sapiens solute carrier family 35, member F3 (SLC35F3), transcript variant 1, mRNA [NM_173508]
A_23_P130466	down	ZNF8	Homo sapiens zinc finger protein 8 (ZNF8), mRNA [NM_021089]
A_23_P501933	down	CACNG6	Homo sapiens calcium channel, voltage-dependent, gamma subunit 6 (CACNG6), transcript variant 1, mRNA [NM_145814]
A_33_P3348061	down	CABP7	Homo sapiens calcium binding protein 7 (CABP7), mRNA [NM_182527]
A_23_P211207	down	ADARB1	Homo sapiens adenosine deaminase, RNA-specific, B1 (ADARB1), transcript variant 1, mRNA [NM_001112]
A_33_P3272117	down	ASPSCR1	Homo sapiens alveolar soft part sarcoma chromosome region, candidate 1 (ASPSCR1), transcript variant 1, mRNA [NM_024083]
A_24_P49106	down	TCEAL7	Homo sapiens transcription elongation factor A (SII)-like 7 (TCEAL7), mRNA [NM_152278]
A_23_P146284	down	SQLE	Homo sapiens squalene epoxidase (SQLE), mRNA [NM_003129]
A_33_P3304888	down	USP32	Homo sapiens ubiquitin specific peptidase 32 (USP32), mRNA [NM_032582]
A_32_P26969	down	ERICH1	Homo sapiens glutamate-rich 1 (ERICH1), transcript variant 1, mRNA [NM_207332]
A_23_P85004	down	DIAPH2	Homo sapiens diaphanous-related formin 2 (DIAPH2), transcript variant 12C, mRNA [NM_007309]
A_33_P3245439	down	CD40	Homo sapiens CD40 molecule, TNF receptor superfamily member 5 (CD40), transcript variant 1, mRNA [NM_001250]
A_23_P137765	down	PAFAH2	Homo sapiens platelet-activating factor acetylhydrolase 2, 40kDa (PAFAH2), mRNA [NM_000437]
A_32_P113114	down	ZNF561	Homo sapiens zinc finger protein 561 (ZNF561), mRNA [NM_152289]

A_23_P214727	down	GPR63	Homo sapiens G protein-coupled receptor 63 (GPR63), transcript variant 2, mRNA [NM_030784]
A_24_P26897	down	INPP5A	Homo sapiens inositol polyphosphate-5-phosphatase, 40kDa (INPP5A), mRNA [NM_005539]
A_23_P365412	down	MFSD4	Homo sapiens major facilitator superfamily domain containing 4 (MFSD4), mRNA [NM_181644]
A_23_P83818	down	COL5A1	Homo sapiens collagen, type V, alpha 1 (COL5A1), transcript variant 1, mRNA [NM_000093]
A_23_P5903	down	SLCO4A1	Homo sapiens solute carrier organic anion transporter family, member 4A1 (SLCO4A1), mRNA [NM_016354]
A_23_P10305	down	CTPS2	Homo sapiens CTP synthase 2 (CTPS2), transcript variant 2, mRNA [NM_175859]
A_33_P3421490	down	KIAA1024	Homo sapiens KIAA1024 (KIAA1024), mRNA [NM_015206]
A_23_P209246	down	GLI2	Homo sapiens GLI family zinc finger 2 (GLI2), mRNA [NM_005270]
A_33_P3346688	down		heat shock 70kDa protein 8 [Source:HGNC Symbol;Acc:HGNC:5241] [ENST00000527983]
A_33_P3209030	down	ZNF623	Homo sapiens zinc finger protein 623 (ZNF623), transcript variant 2, mRNA [NM_001082480]
A_23_P17134	down	MAL	Homo sapiens mal, T-cell differentiation protein (MAL), transcript variant a, mRNA [NM_002371]
A_23_P502464	down	NOS2	Homo sapiens nitric oxide synthase 2, inducible (NOS2), mRNA [NM_000625]
A_33_P3218960	down	CACNA1H	Homo sapiens calcium channel, voltage-dependent, T type, alpha 1H subunit (CACNA1H), transcript variant 1, mRNA [NM_021098]
A_32_P121085	down	DOK3	Homo sapiens docking protein 3 (DOK3), transcript variant 2, mRNA [NM_001144875]
A_33_P3234939	down	ZNF266	Homo sapiens zinc finger protein 266 (ZNF266), transcript variant 1, mRNA [NM_006631]
A_24_P28977	down	TRPC1	Homo sapiens transient receptor potential cation channel, subfamily C, member 1 (TRPC1), transcript variant 2, mRNA [NM_003304]
A_23_P106024	down	JAG2	Homo sapiens jagged 2 (JAG2), transcript variant 1, mRNA [NM_002226]
A_33_P3291349	down	RPRD1A	Homo sapiens regulation of nuclear pre-mRNA domain containing 1A (RPRD1A), transcript variant 4, mRNA [NM_001303413]
A_23_P101671	down	ATCAY	Homo sapiens ataxia, cerebellar, Cayman type (ATCAY), mRNA [NM_033064]
A_23_P58862	down	FAM135A	Homo sapiens family with sequence similarity 135, member A (FAM135A), transcript variant 2, mRNA [NM_020819]
A_23_P215790	down	EGFR	Homo sapiens epidermal growth factor receptor (EGFR), transcript variant 1, mRNA [NM_005228]
A_24_P228875	down	ARHGEF6	Homo sapiens Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6 (ARHGEF6), mRNA [NM_004840]
A_33_P3403270	down	lnc-CCDC33-1	LNCipedia lincRNA (lnc-CCDC33-1), lincRNA [lnc-CCDC33-1:4]
A_23_P259611	down	NME8	Homo sapiens NME/NM23 family member 8 (NME8), mRNA [NM_016616]
A_23_P94819	down	RPH3AL	Homo sapiens rabphilin 3A-like (without C2 domains) (RPH3AL), transcript variant 1, mRNA [NM_006987]
A_23_P344037	down	CHFR	Homo sapiens checkpoint with forkhead and ring finger domains, E3 ubiquitin protein ligase (CHFR), transcript variant 4, mRNA [NM_018223]
A_23_P218817	down	CPT1B	Homo sapiens carnitine palmitoyltransferase 1B (muscle) (CPT1B), transcript variant 3, mRNA [NM_152246]
A_23_P307544	down	PLXNA2	Homo sapiens plexin A2 (PLXNA2), mRNA [NM_025179]
A_32_P86763	down	TGM2	Homo sapiens transglutaminase 2 (TGM2), transcript variant 1, mRNA [NM_004613]
A_33_P3266780	down	PODXL2	Homo sapiens podocalyxin-like 2 (PODXL2), mRNA [NM_015720]
A_23_P211212	down	COL18A1	Homo sapiens collagen, type XVIII, alpha 1 (COL18A1), transcript variant 1, mRNA [NM_030582]
A_23_P58529	down	DIMT1	Homo sapiens DIM1 dimethyladenosine transferase 1 homolog (S. cerevisiae) (DIMT1), mRNA [NM_014473]
A_23_P101829	down	LPAR2	Homo sapiens lysophosphatidic acid receptor 2 (LPAR2), mRNA [NM_004720]
A_23_P70307	down	SMOC2	Homo sapiens SPARC related modular calcium binding 2 (SMOC2), transcript variant 1, mRNA [NM_022138]
A_23_P146922	down	GAS6	Homo sapiens growth arrest-specific 6 (GAS6), mRNA [NM_000820]
A_23_P29282	down	NPTXR	Homo sapiens neuronal pentraxin receptor (NPTXR), mRNA [NM_014293]
A_23_P17593	down	CDH4	Homo sapiens cadherin 4, type 1, R-cadherin (retinal) (CDH4), transcript variant 1, mRNA [NM_001794]
A_33_P3351175	down	WNK2	Homo sapiens WNK lysine deficient protein kinase 2 (WNK2), transcript variant 2, mRNA [NM_006648]
A_33_P3239455	down	GTF2IRD2B	Homo sapiens GTF2I repeat domain containing 2B (GTF2IRD2B), mRNA [NM_001003795]
A_33_P3403392	down	AACS	Homo sapiens acetoacetyl-CoA synthetase (AACS), mRNA [NM_023928]
A_33_P3280721	down	WLS	Homo sapiens wntless Wnt ligand secretion mediator (WLS), transcript variant 2, mRNA [NM_001002292]
A_33_P3329991	down		
A_33_P3399560	down	IFT27	Homo sapiens intraflagellar transport 27 (IFT27), transcript variant 1, mRNA [NM_001177701]

A_33_P3249574	down	SCAMP1	Homo sapiens secretory carrier membrane protein 1 (SCAMP1), transcript variant 1, mRNA [NM_004866]
A_23_P125748	down	ZMAT1	Homo sapiens zinc finger, matrin-type 1 (ZMAT1), transcript variant 2, mRNA [NM_001282400]
A_23_P16166	down	PNPLA6	Homo sapiens patatin-like phospholipase domain containing 6 (PNPLA6), transcript variant 2, mRNA [NM_006702]
A_23_P102988	down	TXNRD2	Homo sapiens thioredoxin reductase 2 (TXNRD2), transcript variant 1, mRNA [NM_006440]
A_23_P129209	down	IDH2	Homo sapiens isocitrate dehydrogenase 2 (NADP+), mitochondrial (IDH2), transcript variant 1, mRNA [NM_002168]
A_33_P3210139	down	PCF11	Homo sapiens PCF11 cleavage and polyadenylation factor subunit (PCF11), mRNA [NM_015885]
A_23_P416965	down	FAM149A	Homo sapiens family with sequence similarity 149, member A (FAM149A), transcript variant 1, mRNA [NM_015398]
A_33_P3791552	down	LOC284950	Homo sapiens uncharacterized LOC284950 (LOC284950), long non-coding RNA [NR_038888]
A_23_P318581	down	CFAP97	Homo sapiens cilia and flagella associated protein 97 (CFAP97), transcript variant 1, mRNA [NM_020827]
A_33_P3373298	down	STAG3L4	Homo sapiens stromal antigen 3-like 4 (pseudogene) (STAG3L4), transcript variant 1, non-coding RNA [NR_040585]
A_33_P3254555	down	MCM9	Homo sapiens minichromosome maintenance complex component 9 (MCM9), transcript variant 1, mRNA [NM_017696]
A_23_P116037	down	TM7SF2	Homo sapiens transmembrane 7 superfamily member 2 (TM7SF2), transcript variant 1, mRNA [NM_003273]
A_23_P150903	down	FAR2	Homo sapiens fatty acyl CoA reductase 2 (FAR2), transcript variant 2, mRNA [NM_018099]
A_33_P3263193	down	RHNO1	Homo sapiens RAD9-HUS1-RAD1 interacting nuclear orphan 1 (RHNO1), transcript variant 4, mRNA [NM_001257097]
A_33_P3285540	down	CLDN5	Homo sapiens claudin 5 (CLDN5), transcript variant 1, mRNA [NM_001130861]
A_23_P83436	down	PEPD	Homo sapiens peptidase D (PEPD), transcript variant 1, mRNA [NM_000285]
A_23_P500998	down	HOXA9	Homo sapiens homeobox A9 (HOXA9), mRNA [NM_152739]
A_32_P205624	down	SHC2	Homo sapiens SHC (Src homology 2 domain containing) transforming protein 2 (SHC2), mRNA [NM_012435]
A_23_P215419	down	ICA1	Homo sapiens islet cell autoantigen 1, 69kDa (ICA1), transcript variant 2, mRNA [NM_004968]
A_33_P3368895	down	lnc-UXS1-4	LNCipedia lincRNA (lnc-UXS1-4), lincRNA [lnc-UXS1-4:1]
A_23_P390704	down	STK38	Homo sapiens serine/threonine kinase 38 (STK38), mRNA [NM_007271]
A_33_P3219840	down	ZNRD1-AS1	Homo sapiens ZNRD1 antisense RNA 1 (ZNRD1-AS1), long non-coding RNA [NR_026751]
A_23_P62741	down	ELTD1	Homo sapiens EGF, latrophilin and seven transmembrane domain containing 1 (ELTD1), mRNA [NM_022159]
A_23_P19657	down	LRP11	Homo sapiens low density lipoprotein receptor-related protein 11 (LRP11), mRNA [NM_032832]
A_33_P3316639	down	CHMP3	Homo sapiens charged multivesicular body protein 3 (CHMP3), transcript variant 3, mRNA [NM_001193517]
A_23_P30630	down	MCM9	Homo sapiens minichromosome maintenance complex component 9 (MCM9), transcript variant 1, mRNA [NM_017696]
A_33_P3305731	down	NINL	Homo sapiens ninein-like (NINL), mRNA [NM_025176]
A_23_P210581	down	KCNG1	Homo sapiens potassium channel, voltage gated modifier subfamily G, member 1 (KCNG1), mRNA [NM_002237]
A_32_P60223	down	ING5	Homo sapiens inhibitor of growth family, member 5 (ING5), mRNA [NM_032329]
A_23_P149121	down	DIRAS3	Homo sapiens DIRAS family, GTP-binding RAS-like 3 (DIRAS3), mRNA [NM_004675]
A_24_P288685	down	IL13RA1	Homo sapiens interleukin 13 receptor, alpha 1 (IL13RA1), mRNA [NM_001560]
A_23_P311020	down	MITD1	Homo sapiens MIT, microtubule interacting and transport, domain containing 1 (MITD1), mRNA [NM_138798]
A_24_P116242	down	KLHDC2	Homo sapiens kelch domain containing 2 (KLHDC2), mRNA [NM_014315]
A_24_P167654	down	SLC8A3	Homo sapiens solute carrier family 8 (sodium/calcium exchanger), member 3 (SLC8A3), transcript variant c, mRNA [NM_183002]
A_33_P3311917	down		Q6JHZ7_HUMAN (Q6JHZ7) HCV-NS5ATP5 binding protein 1, partial (29%) [THC2537043]
A_23_P24044	down	CNNM2	Homo sapiens cyclin and CBS domain divalent metal cation transport mediator 2 (CNNM2), transcript variant 1, mRNA [NM_017649]
A_23_P24083	down	PNLIPRP2	Homo sapiens pancreatic lipase-related protein 2 (PNLIPRP2), transcript variant 1, mRNA [NM_005396]
A_23_P147296	down	NFU1	Homo sapiens NFU1 iron-sulfur cluster scaffold (NFU1), transcript variant 1, mRNA [NM_015700]
A_23_P207811	down	PAIP1	Homo sapiens poly(A) binding protein interacting protein 1 (PAIP1), transcript variant 1, mRNA [NM_006451]
A_23_P116942	down	LAG3	Homo sapiens lymphocyte-activation gene 3 (LAG3), mRNA [NM_002286]
A_23_P63289	down	SSU72	Homo sapiens SSU72 RNA polymerase II CTD phosphatase homolog (S. cerevisiae) (SSU72), mRNA [NM_014188]
A_23_P356646	down	TEKT4P2	Homo sapiens tektin 4 pseudogene 2 (TEKT4P2), transcript variant 1, non-coding RNA [NR_038327]
A_23_P303317	down	ZXDC	Homo sapiens ZXD family zinc finger C (ZXDC), transcript variant 1, mRNA [NM_025112]

A_23_P60079	down	ANGPT2	Homo sapiens angiotensinogen 2 (ANGPT2), transcript variant 1, mRNA [NM_001147]
A_23_P259797	down	ACSF3	Homo sapiens acyl-CoA synthetase family member 3 (ACSF3), transcript variant 1, mRNA [NM_174917]
A_23_P159907	down	MAGED4B	Homo sapiens melanoma antigen family D, 4B (MAGED4B), transcript variant 1, mRNA [NM_030801]
A_32_P75902	down	MEIOB	Homo sapiens meiosis specific with OB domains (MEIOB), transcript variant 2, mRNA [NM_152764]
A_23_P391396	down	EBF3	Homo sapiens early B-cell factor 3 (EBF3), mRNA [NM_001005463]
A_23_P422981	down	FBXO36	Homo sapiens F-box protein 36 (FBXO36), mRNA [NM_174899]
A_32_P41526	down	AGAP5	Homo sapiens ArfGAP with GTPase domain, ankyrin repeat and PH domain 5 (AGAP5), mRNA [NM_001144000]
A_23_P72770	down	USP44	Homo sapiens ubiquitin specific peptidase 44 (USP44), transcript variant 1, mRNA [NM_032147]
A_23_P14769	down	FES	Homo sapiens FES proto-oncogene, tyrosine kinase (FES), transcript variant 1, mRNA [NM_002005]
A_24_P74070	down	PARD6G	Homo sapiens par-6 family cell polarity regulator gamma (PARD6G), mRNA [NM_032510]
A_32_P203430	down	ZNF30	Homo sapiens zinc finger protein 30 (ZNF30), transcript variant 3, mRNA [NM_194325]
A_32_P40744	down	LOC101927085	PREDICTED: Homo sapiens uncharacterized LOC101927085 (LOC101927085), mRNA [XM_005276020]
A_23_P209360	down	KLHL29	Homo sapiens kelch-like family member 29 (KLHL29), mRNA [NM_052920]
A_33_P3223544	down	TMBIM4	Homo sapiens transmembrane BAX inhibitor motif containing 4 (TMBIM4), transcript variant 1, mRNA [NM_001282606]
A_23_P351275	down	UPP1	Homo sapiens uridine phosphorylase 1 (UPP1), transcript variant 3, mRNA [NM_001287426]
A_23_P28834	down	PHACTR3	Homo sapiens phosphatase and actin regulator 3 (PHACTR3), transcript variant 1, mRNA [NM_080672]
A_23_P130764	down	KCNJ14	Homo sapiens potassium channel, inwardly rectifying subfamily J, member 14 (KCNJ14), mRNA [NM_013348]
A_23_P133075	down	TBCK	Homo sapiens TBCK1 domain containing kinase (TBCK), transcript variant 4, mRNA [NM_033115]
A_33_P3283828	down	CCDC154	Homo sapiens coiled-coil domain containing 154 (CCDC154), mRNA [NM_001143980]
A_24_P49517	down	ZNF251	Homo sapiens zinc finger protein 251 (ZNF251), mRNA [NM_138367]
A_23_P24157	down	PYROXD2	Homo sapiens pyridine nucleotide-disulphide oxidoreductase domain 2 (PYROXD2), mRNA [NM_032709]
A_33_P3387272	down	EEF1A1	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1), mRNA [NM_001402]
A_24_P775249	down	LINC00909	Homo sapiens long intergenic non-protein coding RNA 909 (LINC00909), long non-coding RNA [NR_024484]
A_23_P375281	down	TRPV1	Homo sapiens transient receptor potential cation channel, subfamily V, member 1 (TRPV1), transcript variant 3, mRNA [NM_080706]
A_32_P185317	down	MNX1-AS1	Homo sapiens MNX1 antisense RNA 1 (head to head) (MNX1-AS1), long non-coding RNA [NR_038835]
A_23_P345887	down	GFPT1	Homo sapiens glutamine--fructose-6-phosphate transaminase 1 (GFPT1), transcript variant 1, mRNA [NM_001244710]
A_33_P3323463	down		heat shock 70kDa protein 8 [Source:HGNC Symbol;Acc:HGNC:5241] [ENST00000532091]
A_23_P29118	down	DGCR5	Homo sapiens DiGeorge syndrome critical region gene 5 (non-protein coding) (DGCR5), transcript variant 1, non-coding RNA [NR_002733]
A_24_P393864	down	PHTF1	Homo sapiens putative homeodomain transcription factor 1 (PHTF1), mRNA [NM_006608]
A_23_P68121	down	PSD4	Homo sapiens pleckstrin and Sec7 domain containing 4 (PSD4), mRNA [NM_012455]
A_23_P205959	down	ALDH1A3	Homo sapiens aldehyde dehydrogenase 1 family, member A3 (ALDH1A3), transcript variant 1, mRNA [NM_000693]
A_33_P3358731	down	PCSK5	Homo sapiens proprotein convertase subtilisin/kexin type 5 (PCSK5), transcript variant 2, mRNA [NM_006200]
A_24_P42681	down	PSMD2	Homo sapiens proteasome (prosome, macropain) 26S subunit, non-ATPase, 2 (PSMD2), transcript variant 1, mRNA [NM_002808]
A_24_P371281	down	SLC35G2	Homo sapiens solute carrier family 35, member G2 (SLC35G2), transcript variant 1, mRNA [NM_025246]
A_23_P155103	down	ADSL	Homo sapiens adenylosuccinate lyase (ADSL), transcript variant 1, mRNA [NM_000026]
A_23_P101905	down	APC2	Homo sapiens adenomatous polyposis coli 2 (APC2), mRNA [NM_005883]
A_33_P3238290	down	FAM65C	Homo sapiens family with sequence similarity 65, member C (FAM65C), transcript variant 2, mRNA [NM_001290268]
A_23_P21324	down	TWIST2	Homo sapiens twist family bHLH transcription factor 2 (TWIST2), transcript variant 1, mRNA [NM_001271893]
A_23_P45517	down	PPP2R3B	Homo sapiens protein phosphatase 2, regulatory subunit B'', beta (PPP2R3B), mRNA [NM_013239]
A_23_P7562	down	ACSL6	Homo sapiens acyl-CoA synthetase long-chain family member 6 (ACSL6), transcript variant 2, mRNA [NM_001009185]
A_24_P153456	down	ZDHHC11	Homo sapiens zinc finger, DHHC-type containing 11 (ZDHHC11), mRNA [NM_024786]
A_24_P370471	down	ATG10	Homo sapiens autophagy related 10 (ATG10), transcript variant 2, mRNA [NM_031482]
A_33_P3415430	down	HSPA1B	Homo sapiens heat shock 70kDa protein 1B (HSPA1B), mRNA [NM_005346]

A_23_P33326	down	ADRA1B	Homo sapiens adrenoceptor alpha 1B (ADRA1B), mRNA [NM_000679]
A_24_P302802	down	PCCB	Homo sapiens propionyl CoA carboxylase, beta polypeptide (PCCB), transcript variant 1, mRNA [NM_000532]
A_24_P273253	down	AHNAK2	Homo sapiens AHNAK nucleoprotein 2 (AHNAK2), mRNA [NM_138420]
A_23_P255896	down	TRABD2A	Homo sapiens TraB domain containing 2A (TRABD2A), transcript variant 2, mRNA [NM_001080824]
A_24_P342829	down	SLC16A14	Homo sapiens solute carrier family 16, member 14 (SLC16A14), mRNA [NM_152527]
A_33_P3390823	down		
A_23_P54340	down	MEGF11	Homo sapiens multiple EGF-like-domains 11 (MEGF11), mRNA [NM_032445]
A_23_P75310	down	ARHGAP22	Homo sapiens Rho GTPase activating protein 22 (ARHGAP22), transcript variant 3, mRNA [NM_021226]
A_23_P79803	down	VSTM2L	Homo sapiens V-set and transmembrane domain containing 2 like (VSTM2L), mRNA [NM_080607]
A_23_P8139	down	ZNF76	Homo sapiens zinc finger protein 76 (ZNF76), transcript variant 1, mRNA [NM_003427]
A_23_P211244	down	PRMT2	Homo sapiens protein arginine methyltransferase 2 (PRMT2), transcript variant 1, mRNA [NM_206962]
A_24_P570049	down	PPARA	Homo sapiens peroxisome proliferator-activated receptor alpha (PPARA), transcript variant 5, mRNA [NM_005036]
A_23_P333705	down	NEK3	Homo sapiens NIMA-related kinase 3 (NEK3), transcript variant 1, mRNA [NM_002498]
A_32_P44316	down	EEF1A1	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1), mRNA [NM_001402]
A_33_P3386870	down		
A_23_P205789	down	GABPB1	Homo sapiens GA binding protein transcription factor, beta subunit 1 (GABPB1), transcript variant gamma-1, mRNA [NM_002041]
A_23_P405216	down	ZNF619	Homo sapiens zinc finger protein 619 (ZNF619), transcript variant 5, mRNA [NM_001145083]
A_33_P3376341	down	LRRC24	Homo sapiens leucine rich repeat containing 24 (LRRC24), mRNA [NM_001024678]
A_33_P3420204	down	CRTC1	Homo sapiens CREB regulated transcription coactivator 1 (CRTC1), transcript variant 3, mRNA [NM_001098482]
A_23_P33759	down	DHRS3	Homo sapiens dehydrogenase/reductase (SDR family) member 3 (DHRS3), mRNA [NM_004753]
A_33_P3301970	down	STRADB	Homo sapiens STE20-related kinase adaptor beta (STRADB), transcript variant 1, mRNA [NM_018571]
A_23_P88099	down	MCF2L	Homo sapiens MCF.2 cell line derived transforming sequence-like (MCF2L), transcript variant 2, mRNA [NM_024979]
A_33_P3380346	down	WHSC1	Homo sapiens Wolf-Hirschhorn syndrome candidate 1 (WHSC1), transcript variant 1, mRNA [NM_133330]
A_33_P3219942	down	EML1	Homo sapiens echinoderm microtubule associated protein like 1 (EML1), transcript variant 1, mRNA [NM_001008707]
A_33_P3302448	down	LINGO3	Homo sapiens leucine rich repeat and Ig domain containing 3 (LINGO3), mRNA [NM_001101391]
A_23_P134854	down	CLDN23	Homo sapiens claudin 23 (CLDN23), mRNA [NM_194284]
A_32_P124708	down	ONECUT2	Homo sapiens one cut homeobox 2 (ONECUT2), mRNA [NM_004852]
A_23_P363896	down	LRRC75A-AS1	Homo sapiens LRRC75A antisense RNA 1 (LRRC75A-AS1), transcript variant 6, long non-coding RNA [NR_027162]
A_33_P3330099	down	ARSD	Homo sapiens arylsulfatase D (ARSD), mRNA [NM_001669]
A_23_P78871	down	KCTD15	Homo sapiens potassium channel tetramerization domain containing 15 (KCTD15), transcript variant 1, mRNA [NM_024076]
A_23_P91334	down	HSPA12B	Homo sapiens heat shock 70kD protein 12B (HSPA12B), transcript variant 1, mRNA [NM_052970]
A_24_P200854	down	HOXA2	Homo sapiens homeobox A2 (HOXA2), mRNA [NM_006735]
A_24_P224727	down	CEBPA	Homo sapiens CCAAT/enhancer binding protein (C/EBP), alpha (CEBPA), transcript variant 1, mRNA [NM_004364]
A_33_P3282556	down	TMEM204	Homo sapiens transmembrane protein 204 (TMEM204), transcript variant 1, mRNA [NM_024600]
A_33_P3400758	down	ZNF555	Homo sapiens zinc finger protein 555 (ZNF555), transcript variant 1, mRNA [NM_152791]
A_33_P3327852	down	NDEL1	Homo sapiens nudE neurodevelopment protein 1-like 1 (NDEL1), transcript variant 2, mRNA [NM_030808]
A_24_P19175	down	ZNF358	Homo sapiens zinc finger protein 358 (ZNF358), mRNA [NM_018083]
A_24_P51909	down	CPLX1	Homo sapiens complexin 1 (CPLX1), mRNA [NM_006651]
A_23_P90273	down	CHST8	Homo sapiens carbohydrate (N-acetyl)galactosamine 4-O) sulfotransferase 8 (CHST8), transcript variant 3, mRNA [NM_022467]
A_24_P379750	down	MXD1	Homo sapiens MAX dimerization protein 1 (MXD1), transcript variant 1, mRNA [NM_002357]
A_23_P354591	down	MVB12B	Homo sapiens multivesicular body subunit 12B (MVB12B), transcript variant 1, mRNA [NM_033446]
A_32_P213661	down	CCDC122	Homo sapiens coiled-coil domain containing 122 (CCDC122), mRNA [NM_144974]
A_33_P3209741	down	KATNAL2	Homo sapiens katanin p60 subunit A-like 2 (KATNAL2), mRNA [NM_031303]



A_33_P3266674	down	ZBTB46	Homo sapiens zinc finger and BTB domain containing 46 (ZBTB46), mRNA [NM_025224]
A_23_P166135	down	XRN2	Homo sapiens 5'-3' exoribonuclease 2 (XRN2), mRNA [NM_012255]
A_23_P134477	down	C7orf50	Homo sapiens chromosome 7 open reading frame 50 (C7orf50), transcript variant 1, mRNA [NM_032350]
A_23_P80156	down	PRMT2	Homo sapiens protein arginine methyltransferase 2 (PRMT2), transcript variant 1, mRNA [NM_206962]
A_32_P198325	down	LRRC75B	Homo sapiens leucine rich repeat containing 75B (LRRC75B), mRNA [NM_207644]
A_33_P3217465	down	MID1IP1	Homo sapiens MID1 interacting protein 1 (MID1IP1), transcript variant 1, mRNA [NM_021242]
A_24_P69053	down	TENM3	Homo sapiens teneurin transmembrane protein 3 (TENM3), mRNA [NM_001080477]
A_23_P167723	down	FBXL21	Homo sapiens F-box and leucine-rich repeat protein 21 (gene/pseudogene) (FBXL21), mRNA [NM_012159]
A_24_P532180	down	LOC90246	Homo sapiens uncharacterized LOC90246 (LOC90246), long non-coding RNA [NR_026954]
A_23_P153897	down	GNG7	Homo sapiens guanine nucleotide binding protein (G protein), gamma 7 (GNG7), mRNA [NM_052847]
A_33_P3305758	down	CAPG	Homo sapiens capping protein (actin filament), gelsolin-like (CAPG), transcript variant 3, mRNA [NM_001256140]
A_23_P396626	down	SYNRG	Homo sapiens synergin, gamma (SYNRG), transcript variant 1, mRNA [NM_007247]
A_33_P3236993	down	ARVCF	Homo sapiens armadillo repeat gene deleted in velocardiofacial syndrome (ARVCF), mRNA [NM_001670]
A_23_P41470	down	DDX60	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 60 (DDX60), mRNA [NM_017631]
A_24_P159635	down	LIMD2	Homo sapiens LIM domain containing 2 (LIMD2), mRNA [NM_030576]
A_23_P155939	down	ZNF595	Homo sapiens zinc finger protein 595 (ZNF595), transcript variant 1, mRNA [NM_182524]
A_24_P100613	down	LAMA1	Homo sapiens laminin, alpha 1 (LAMA1), mRNA [NM_005559]
A_23_P30223	down	SRD5A1	Homo sapiens steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1) (SRD5A1), mRNA [NM_001047]
A_23_P257417	down	CLHC1	Homo sapiens clathrin heavy chain linker domain containing 1 (CLHC1), transcript variant 1, mRNA [NM_152385]
A_33_P3358824	down	PLOD1	Homo sapiens procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1 (PLOD1), mRNA [NM_000302]
A_24_P16950	down	ZNF160	Homo sapiens zinc finger protein 160 (ZNF160), transcript variant 2, mRNA [NM_198893]
A_23_P109470	down	THOC5	Homo sapiens THO complex 5 (THOC5), transcript variant 1, mRNA [NM_001002878]
A_33_P3243600	down		
A_24_P56240	down	CPNE8	Homo sapiens copine VIII (CPNE8), mRNA [NM_153634]
A_33_P3402056	down	LOC389831	Homo sapiens uncharacterized LOC389831 (LOC389831), mRNA [NM_001242480]
A_23_P74581	down	SNHG12	Homo sapiens small nucleolar RNA host gene 12 (non-protein coding) (SNHG12), long non-coding RNA [NR_024127]
A_23_P106562	down	GALNS	Homo sapiens galactosamine (N-acetyl)-6-sulfatase (GALNS), mRNA [NM_000512]
A_23_P91850	down	IL20RB	Homo sapiens interleukin 20 receptor beta (IL20RB), mRNA [NM_144717]
A_24_P172990	down	AARS	Homo sapiens alanyl-tRNA synthetase (AARS), mRNA [NM_001605]
A_33_P3423440	down	ZNF720	Homo sapiens zinc finger protein 720 (ZNF720), mRNA [NM_001130913]
A_23_P132378	down	CELSR1	Homo sapiens cadherin, EGF LAG seven-pass G-type receptor 1 (CELSR1), mRNA [NM_014246]
A_24_P826348	down	ZC3H6	Homo sapiens zinc finger CCCH-type containing 6 (ZC3H6), mRNA [NM_198581]
A_23_P155477	down	C3orf18	Homo sapiens chromosome 3 open reading frame 18 (C3orf18), transcript variant 1, mRNA [NM_016210]
A_24_P192994	down	FADS1	Homo sapiens fatty acid desaturase 1 (FADS1), mRNA [NM_013402]
A_33_P3405966	down	ST3GAL3	Homo sapiens ST3 beta-galactoside alpha-2,3-sialyltransferase 3 (ST3GAL3), transcript variant 1, mRNA [NM_174963]
A_24_P589266	down	SH3RF3	Homo sapiens SH3 domain containing ring finger 3 (SH3RF3), mRNA [NM_001099289]
A_33_P3422822	down	GJC2	Homo sapiens gap junction protein, gamma 2, 47kDa (GJC2), mRNA [NM_020435]
A_24_P118938	down	NOL4L	Homo sapiens nucleolar protein 4-like (NOL4L), transcript variant 1, mRNA [NM_001256798]
A_33_P3330209	down	AUTS2	Homo sapiens autism susceptibility candidate 2 (AUTS2), transcript variant 3, mRNA [NM_001127232]
A_33_P3569068	down	MAD1L1	Homo sapiens MAD1 mitotic arrest deficient-like 1 (yeast) (MAD1L1), transcript variant 1, mRNA [NM_003550]
A_24_P842172	down	LINC00965	Homo sapiens long intergenic non-protein coding RNA 965 (LINC00965), long non-coding RNA [NR_027000]
A_23_P340131	down	PRSS16	Homo sapiens protease, serine, 16 (thymus) (PRSS16), mRNA [NM_005865]

A_23_P421436	down	ADD2	Homo sapiens adducin 2 (beta) (ADD2), transcript variant 4, mRNA [NM_017488]
A_33_P3252369	down	TMEM182	Homo sapiens transmembrane protein 182 (TMEM182), mRNA [NM_144632]
A_23_P80684	down	PHF7	Homo sapiens PHD finger protein 7 (PHF7), transcript variant 2, mRNA [NM_001278221]
A_23_P202881	down	FEZ1	Homo sapiens fasciculation and elongation protein zeta 1 (zygin I) (FEZ1), transcript variant 1, mRNA [NM_005103]
A_23_P51187	down	PRKCZ	Homo sapiens protein kinase C, zeta (PRKCZ), transcript variant 1, mRNA [NM_002744]
A_33_P3372727	down	SEMA5A	Homo sapiens sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A (SEMA5A), mRNA [NM_003966]
A_33_P3267562	down	VAX2	Homo sapiens ventral anterior homeobox 2 (VAX2), mRNA [NM_012476]
A_33_P3251562	down	RSPO1	Homo sapiens R-spondin 1 (RSPO1), transcript variant 1, mRNA [NM_001038633]
A_24_P201171	down	STXBP1	Homo sapiens syntaxin binding protein 1 (STXBP1), transcript variant 1, mRNA [NM_003165]
A_32_P141418	down	ARMC4	Homo sapiens armadillo repeat containing 4 (ARMC4), transcript variant 3, mRNA [NM_018076]
A_33_P3282688	down	LOC100130027	Homo sapiens cDNA FLJ45292 fis, clone BRHIP3002931. [AK127225]
A_24_P921933	down	SRSF1	Homo sapiens serine/arginine-rich splicing factor 1 (SRSF1), transcript variant 2, mRNA [NM_001078166]
A_23_P29855	down	USO1	Homo sapiens USO1 vesicle transport factor (USO1), transcript variant 2, mRNA [NM_003715]
A_23_P55319	down	FLOT2	Homo sapiens flotillin 2 (FLOT2), mRNA [NM_004475]
A_24_P352116	down	SNHG7	Homo sapiens small nucleolar RNA host gene 7 (non-protein coding) (SNHG7), transcript variant 1, long non-coding RNA [NR_003672]
A_23_P211110	down	SIM2	Homo sapiens single-minded family bHLH transcription factor 2 (SIM2), transcript variant SIM2, mRNA [NM_005069]
A_23_P301476	down	C3orf33	Homo sapiens chromosome 3 open reading frame 33 (C3orf33), mRNA [NM_173657]
A_32_P219942	down	ZIC5	Homo sapiens Zic family member 5 (ZIC5), mRNA [NM_033132]
A_23_P360744	down	RAG1	Homo sapiens recombination activating gene 1 (RAG1), mRNA [NM_000448]
A_33_P3248439	down	MVB12B	Homo sapiens multivesicular body subunit 12B (MVB12B), transcript variant 1, mRNA [NM_033446]
A_33_P3333805	down	ZNF337	Homo sapiens zinc finger protein 337 (ZNF337), transcript variant 1, mRNA [NM_001290261]
A_24_P193600	down	ZNF174	Homo sapiens zinc finger protein 174 (ZNF174), transcript variant 1, mRNA [NM_003450]
A_23_P140725	down	IFT140	Homo sapiens intraflagellar transport 140 (IFT140), mRNA [NM_014714]
A_33_P3394234	down	ZNF133	Homo sapiens zinc finger protein 133 (ZNF133), transcript variant 1, mRNA [NM_003434]
A_23_P132341	down	C22orf46	Homo sapiens chromosome 22 open reading frame 46 (C22orf46), mRNA [NM_001142964]
A_32_P164593	down	ZMAT4	Homo sapiens zinc finger, matrin-type 4 (ZMAT4), transcript variant 1, mRNA [NM_024645]
A_33_P3329769	down	BEND6	Homo sapiens BEN domain containing 6 (BEND6), mRNA [NM_152731]
A_23_P211167	down	C21orf2	Homo sapiens chromosome 21 open reading frame 2 (C21orf2), transcript variant 1, mRNA [NM_004928]
A_24_P7179	down	DIP2A	Homo sapiens DIP2 disco-interacting protein 2 homolog A (Drosophila) (DIP2A), transcript variant 3, mRNA [NM_206890]
A_32_P167239	down	AFAP1L1	Homo sapiens actin filament associated protein 1-like 1 (AFAP1L1), transcript variant 1, mRNA [NM_152406]
A_33_P3245539	down	PNMA1	Homo sapiens paraneoplastic Ma antigen 1 (PNMA1), mRNA [NM_006029]
A_23_P501961	down	L3MBTL1	Homo sapiens l(3)mbl-like 1 (Drosophila) (L3MBTL1), transcript variant II, mRNA [NM_032107]
A_32_P108889	down	DCLK1	Homo sapiens doublecortin-like kinase 1 (DCLK1), transcript variant 1, mRNA [NM_004734]
A_23_P96965	down	SYNC	Homo sapiens syncoilin, intermediate filament protein (SYNC), transcript variant 1, mRNA [NM_030786]
A_23_P94141	down	RAD54B	Homo sapiens RAD54 homolog B (S. cerevisiae) (RAD54B), transcript variant 2, mRNA [NM_001205262]
A_23_P503182	down	ABR	Homo sapiens active BCR-related (ABR), transcript variant 1, mRNA [NM_021962]
A_33_P3391496	down		
A_32_P79434	down	PTPRN2	Homo sapiens protein tyrosine phosphatase, receptor type, N polypeptide 2 (PTPRN2), transcript variant 1, mRNA [NM_002847]
A_33_P3268838	down	CPEB1	Homo sapiens cytoplasmic polyadenylation element binding protein 1 (CPEB1), transcript variant 5, mRNA [NM_001288819]
A_23_P427760	down	PIWIL4	Homo sapiens piwi-like RNA-mediated gene silencing 4 (PIWIL4), mRNA [NM_152431]
A_23_P254120	down	FBXO9	Homo sapiens F-box protein 9 (FBXO9), transcript variant 2, mRNA [NM_033480]
A_24_P289299	down	ARHGEF25	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 25 (ARHGEF25), transcript variant 1, mRNA [NM_182947]

A_23_P167692	down	MAPK9	Homo sapiens mitogen-activated protein kinase 9 (MAPK9), transcript variant JNK2-a2, mRNA [NM_002752]
A_24_P410389	down	BCL2L13	Homo sapiens BCL2-like 13 (apoptosis facilitator) (BCL2L13), transcript variant 1, mRNA [NM_015367]
A_23_P18887	down	MCCC2	Homo sapiens methylcrotonoyl-CoA carboxylase 2 (beta) (MCCC2), mRNA [NM_022132]
A_32_P105195	down	DDX46	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 46 (DDX46), transcript variant 2, mRNA [NM_014829]
A_23_P407840	down	FNDC1	Homo sapiens fibronectin type III domain containing 1 (FNDC1), mRNA [NM_032532]
A_33_P3300893	down	MADD	Homo sapiens MAP-kinase activating death domain (MADD), transcript variant 7, mRNA [NM_130475]
A_33_P3311618	down	RABGGTB	Homo sapiens Rab geranylgeranyltransferase, beta subunit (RABGGTB), transcript variant 1, mRNA [NM_004582]
A_32_P305020	down	GNG4	Homo sapiens guanine nucleotide binding protein (G protein), gamma 4 (GNG4), transcript variant 1, mRNA [NM_001098722]
A_33_P3317543	down	GTF2IRD2B	Homo sapiens GTF2I repeat domain containing 2B (GTF2IRD2B), mRNA [NM_001003795]
A_24_P300777	down	ADAM8	Homo sapiens ADAM metallopeptidase domain 8 (ADAM8), transcript variant 1, mRNA [NM_001109]
A_33_P3320443	down	MGC57346-CRHR1	Homo sapiens MGC57346-CRHR1 readthrough (MGC57346-CRHR1), transcript variant 5, mRNA [NM_001256299]
A_23_P123086	down	PSMG3-AS1	Homo sapiens PSMG3 antisense RNA 1 (head to head) (PSMG3-AS1), transcript variant 1, long non-coding RNA [NR_027329]
A_23_P83599	down	PRKAR1B	Homo sapiens protein kinase, cAMP-dependent, regulatory, type I, beta (PRKAR1B), transcript variant 2, mRNA [NM_002735]
A_23_P370544	down	ANKAR	Homo sapiens ankyrin and armadillo repeat containing (ANKAR), mRNA [NM_144708]
A_24_P122137	down	LIF	Homo sapiens leukemia inhibitory factor (LIF), transcript variant 1, mRNA [NM_002309]
A_23_P168019	down	ZKSCAN3	Homo sapiens zinc finger with KRAB and SCAN domains 3 (ZKSCAN3), transcript variant 2, mRNA [NM_024493]
A_23_P394986	down	CREG2	Homo sapiens cellular repressor of E1A-stimulated genes 2 (CREG2), mRNA [NM_153836]
A_23_P433990	down	SPG7	Homo sapiens spastic paraplegia 7 (pure and complicated autosomal recessive) (SPG7), transcript variant 1, mRNA [NM_003119]
A_23_P34510	down	PHC2	Homo sapiens polyhomeotic homolog 2 (Drosophila) (PHC2), transcript variant 1, mRNA [NM_198040]
A_23_P59616	down	GTF2IRD2	Homo sapiens GTF2I repeat domain containing 2 (GTF2IRD2), transcript variant 1, mRNA [NM_173537]
A_24_P28722	down	RSAD2	Homo sapiens radical S-adenosyl methionine domain containing 2 (RSAD2), mRNA [NM_080657]
A_24_P627984	down	EPM2AIP1	Homo sapiens EPM2A (laforin) interacting protein 1 (EPM2AIP1), mRNA [NM_014805]
A_32_P8156	down	C10orf107	Homo sapiens chromosome 10 open reading frame 107 (C10orf107), mRNA [NM_173554]
A_23_P25253	down	DERA	Homo sapiens deoxyribose-phosphate aldolase (putative) (DERA), transcript variant 1, mRNA [NM_015954]
A_23_P32320	down	ASPSCR1	Homo sapiens alveolar soft part sarcoma chromosome region, candidate 1 (ASPSCR1), transcript variant 1, mRNA [NM_024083]
A_32_P88262	down	SLC7A14	Homo sapiens solute carrier family 7, member 14 (SLC7A14), mRNA [NM_020949]
A_32_P116556	down	ZNF469	Homo sapiens zinc finger protein 469 (ZNF469), mRNA [NM_001127464]
A_24_P46093	down	SLC6A6	Homo sapiens solute carrier family 6 (neurotransmitter transporter), member 6 (SLC6A6), transcript variant 1, mRNA [NM_003043]
A_23_P46017	down	CCBL2	Homo sapiens cysteine conjugate-beta lyase 2 (CCBL2), transcript variant 1, mRNA [NM_001008661]
A_23_P124946	down	CMYA5	Homo sapiens cardiomyopathy associated 5 (CMYA5), mRNA [NM_153610]
A_23_P208238	down	ZNF137P	Homo sapiens zinc finger protein 137, pseudogene (ZNF137P), non-coding RNA [NR_023311]
A_33_P3349716	down	ZNF766	Homo sapiens zinc finger protein 766 (ZNF766), mRNA [NM_001010851]
A_23_P20248	down	MAP2K1	Homo sapiens mitogen-activated protein kinase kinase 1 (MAP2K1), mRNA [NM_002755]
A_33_P3371341	down	FAM66C	Homo sapiens family with sequence similarity 66, member C (FAM66C), long non-coding RNA [NR_026788]
A_33_P3352873	down	BCKDHB	Homo sapiens branched chain keto acid dehydrogenase E1, beta polypeptide (BCKDHB), transcript variant 2, mRNA [NM_000056]
A_33_P3333527	down	MSTO1	Homo sapiens misato 1, mitochondrial distribution and morphology regulator (MSTO1), transcript variant 1, mRNA [NM_018116]
A_23_P34546	down	SDCCAG8	Homo sapiens serologically defined colon cancer antigen 8 (SDCCAG8), mRNA [NM_006642]
A_23_P128817	down	PCK2	Homo sapiens phosphoenolpyruvate carboxykinase 2 (mitochondrial) (PCK2), transcript variant 1, mRNA [NM_004563]
A_23_P82674	down	GBAS	Homo sapiens glioblastoma amplified sequence (GBAS), transcript variant 1, mRNA [NM_001483]
A_23_P216489	down	GNE	Homo sapiens glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase (GNE), transcript variant 2, mRNA [NM_005476]
A_23_P409168	down	NBEAL2	Homo sapiens neurobeachin-like 2 (NBEAL2), mRNA [NM_015175]
A_23_P164912	down	LIN7B	Homo sapiens lin-7 homolog B (C. elegans) (LIN7B), mRNA [NM_022165]

A_23_P210538	down	ELMO2	Homo sapiens engulfment and cell motility 2 (ELMO2), transcript variant 2, mRNA [NM_182764]
A_24_P40626	down	GREM2	Homo sapiens gremlin 2, DAN family BMP antagonist (GREM2), mRNA [NM_022469]
A_33_P3248420	down	FAM185A	Homo sapiens family with sequence similarity 185, member A (FAM185A), transcript variant 1, mRNA [NM_001145268]
A_33_P3258702	down	SEC22C	Homo sapiens SEC22 vesicle trafficking protein homolog C ( <i>S. cerevisiae</i> ) (SEC22C), transcript variant 4, mRNA [NM_001201584]
A_33_P3324884	down	MICAL1	Homo sapiens microtubule associated monooxygenase, calponin and LIM domain containing 1 (MICAL1), transcript variant 3, mRNA [NM_001286613]
A_23_P107981	down	SULT2B1	Homo sapiens sulfotransferase family, cytosolic, 2B, member 1 (SULT2B1), transcript variant 1, mRNA [NM_004605]
A_24_P342312	down	TENM4	Homo sapiens teneurin transmembrane protein 4 (TENM4), mRNA [NM_001098816]
A_23_P300150	down	NFATC1	Homo sapiens nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1 (NFATC1), transcript variant 3, mRNA [NM_172387]
A_33_P3306177	down	TAPT1	Homo sapiens transmembrane anterior posterior transformation 1 (TAPT1), mRNA [NM_153365]
A_24_P334300	down	FGF12	Homo sapiens fibroblast growth factor 12 (FGF12), transcript variant 2, mRNA [NM_004113]
A_33_P3289820	down	IQSEC1	Homo sapiens IQ motif and Sec7 domain 1 (IQSEC1), transcript variant 1, mRNA [NM_001134382]
A_33_P3320272	down	TMEM79	Homo sapiens transmembrane protein 79 (TMEM79), transcript variant 1, mRNA [NM_032323]
A_23_P97932	down	MSRB2	Homo sapiens methionine sulfoxide reductase B2 (MSRB2), mRNA [NM_012228]
A_23_P423482	down	FAM81A	Homo sapiens family with sequence similarity 81, member A (FAM81A), mRNA [NM_152450]
A_33_P3327956	down	ZNF605	Homo sapiens zinc finger protein 605 (ZNF605), transcript variant 1, mRNA [NM_183238]
A_33_P3404814	down	GNAO1	Homo sapiens guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O (GNAO1), transcript variant 1, mRNA [NM_020988]
A_32_P47701	down	EEF1A1	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1), mRNA [NM_001402]
A_23_P108294	down	PPAP2C	Homo sapiens phosphatidic acid phosphatase type 2C (PPAP2C), transcript variant 3, mRNA [NM_177543]
A_23_P502641	down	SEC22C	Homo sapiens SEC22 vesicle trafficking protein homolog C ( <i>S. cerevisiae</i> ) (SEC22C), transcript variant 1, mRNA [NM_032970]
A_33_P3709327	down	EPHA5-AS1	Homo sapiens EPHA5 antisense RNA 1 (EPHA5-AS1), long non-coding RNA [NR_034138]
A_33_P3354847	down	C9orf171	Homo sapiens chromosome 9 open reading frame 171 (C9orf171), transcript variant 1, mRNA [NM_207417]
A_33_P3224362	down	PCBP3	Homo sapiens poly(rC) binding protein 3 (PCBP3), transcript variant 1, mRNA [NM_020528]
A_32_P54553	down	USP41	ubiquitin specific peptidase 41 [Source:HGNC Symbol;Acc:HGNC:20070] [ENST00000454608]
A_24_P113572	down	PHF21B	Homo sapiens PHD finger protein 21B (PHF21B), transcript variant 1, mRNA [NM_138415]
A_23_P163955	down	PEMT	Homo sapiens phosphatidylethanolamine N-methyltransferase (PEMT), transcript variant 2, mRNA [NM_007169]
A_23_P146855	down	MPPED1	Homo sapiens metallophosphoesterase domain containing 1 (MPPED1), mRNA [NM_001044370]
A_33_P3345643	down		zinc finger, DHHC-type containing 11B [Source:HGNC Symbol;Acc:HGNC:32962] [ENST00000522356]
A_33_P3412184	down	ZNF865	Homo sapiens zinc finger protein 865 (ZNF865), mRNA [NM_001195605]
A_23_P143247	down	TSHZ2	Homo sapiens teashirt zinc finger homeobox 2 (TSHZ2), transcript variant 1, mRNA [NM_173485]
A_24_P23625	down	HS3ST3B1	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1 (HS3ST3B1), transcript variant 1, mRNA [NM_006041]
A_24_P362904	down	PFKFB4	Homo sapiens 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 (PFKFB4), mRNA [NM_004567]
A_23_P10542	down	HTRA3	Homo sapiens HtrA serine peptidase 3 (HTRA3), transcript variant 1, mRNA [NM_053044]
A_23_P420863	down	NOD2	Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), transcript variant 1, mRNA [NM_022162]
A_23_P147255	down	PCBP3	Homo sapiens poly(rC) binding protein 3 (PCBP3), transcript variant 1, mRNA [NM_020528]
A_24_P18105	down	ASPH	Homo sapiens aspartate beta-hydroxylase (ASPH), transcript variant 3, mRNA [NM_032466]
A_33_P3338300	down	CASZ1	Homo sapiens castor zinc finger 1 (CASZ1), transcript variant 1, mRNA [NM_001079843]
A_24_P3140	down	ZNF638	Homo sapiens zinc finger protein 638 (ZNF638), transcript variant 1, mRNA [NM_014497]
A_24_P450285	down	CCDC153	Homo sapiens coiled-coil domain containing 153 (CCDC153), mRNA [NM_001145018]
A_33_P3315470	down	LINC01018	Homo sapiens long intergenic non-protein coding RNA 1018 (LINC01018), transcript variant 1, long non-coding RNA [NR_024424]
A_33_P3303066	down	BTBD2	Homo sapiens BTB (POZ) domain containing 2 (BTBD2), mRNA [NM_017797]
A_23_P49459	down	LOC81691	Homo sapiens exonuclease NEF-sp (LOC81691), transcript variant 1, mRNA [NM_030941]

A_23_P167328	down	CD38	Homo sapiens CD38 molecule (CD38), mRNA [NM_001775]
A_23_P427122	down	ART5	Homo sapiens ADP-ribosyltransferase 5 (ART5), transcript variant 1, mRNA [NM_053017]
A_23_P258367	down	GLE1	Homo sapiens GLE1 RNA export mediator (GLE1), transcript variant 2, mRNA [NM_001499]
A_24_P218688	down	ALDH3B1	Homo sapiens aldehyde dehydrogenase 3 family, member B1 (ALDH3B1), transcript variant 1, mRNA [NM_000694]
A_24_P363679	down	ATP6V1H	Homo sapiens ATPase, H+ transporting, lysosomal 50/57kDa, V1 subunit H (ATP6V1H), transcript variant 1, mRNA [NM_015941]
A_23_P90722	down	PTPRN	Homo sapiens protein tyrosine phosphatase, receptor type, N (PTPRN), transcript variant 1, mRNA [NM_002846]
A_24_P810697	down	MXRA7	Homo sapiens matrix-remodelling associated 7 (MXRA7), transcript variant 2, mRNA [NM_001008529]
A_23_P333951	down	DNAH14	Homo sapiens dynein, axonemal, heavy chain 14 (DNAH14), transcript variant 3, mRNA [NM_144989]
A_23_P76743	down	ASPG	Homo sapiens asparaginase (ASPG), mRNA [NM_001080464]
A_33_P3286608	down	PGBD2	Homo sapiens piggyBac transposable element derived 2 (PGBD2), transcript variant 1, mRNA [NM_170725]
A_23_P126844	down	TNFRSF25	Homo sapiens tumor necrosis factor receptor superfamily, member 25 (TNFRSF25), transcript variant 1, mRNA [NM_148965]
A_23_P171366	down	USP11	Homo sapiens ubiquitin specific peptidase 11 (USP11), mRNA [NM_004651]
A_23_P98580	down	FADS2	Homo sapiens fatty acid desaturase 2 (FADS2), transcript variant 1, mRNA [NM_004265]
A_33_P3273480	down	BRSK2	Homo sapiens BR serine/threonine kinase 2 (BRSK2), transcript variant 1, mRNA [NM_001256627]
A_33_P3408852	down	EPHA8	Homo sapiens EPH receptor A8 (EPHA8), transcript variant 2, mRNA [NM_001006943]
A_32_P93996	down	LOC100128361	Homo sapiens uncharacterized LOC100128361 (LOC100128361), long non-coding RNA [NR_036505]
A_33_P3290949	down	PTCD3	pentatricopeptide repeat domain 3 [Source:HGNC Symbol;Acc:HGNC:24717] [ENST00000487043]
A_23_P85952	down	DENND2D	Homo sapiens DENN/MADD domain containing 2D (DENND2D), transcript variant 1, mRNA [NM_024901]
A_23_P259823	down	TRMT61B	Homo sapiens tRNA methyltransferase 61B (TRMT61B), mRNA [NM_017910]
A_33_P3318696	down	CCBL2	Homo sapiens cysteine conjugate-beta lyase 2 (CCBL2), transcript variant 1, mRNA [NM_001008661]
A_24_P372012	down	ICA1	Homo sapiens islet cell autoantigen 1, 69kDa (ICA1), transcript variant 2, mRNA [NM_004968]
A_23_P141394	down	WIPI1	Homo sapiens WD repeat domain, phosphoinositide interacting 1 (WIPI1), mRNA [NM_017983]
A_24_P926960	down	MEGF6	Homo sapiens multiple EGF-like-domains 6 (MEGF6), mRNA [NM_001409]
A_23_P61778	down	NXN	Homo sapiens nucleoredoxin (NXN), transcript variant 1, mRNA [NM_022463]
A_23_P83751	down	C11orf63	Homo sapiens chromosome 11 open reading frame 63 (C11orf63), transcript variant 1, mRNA [NM_024806]
A_33_P3212989	down	DLX6-AS1	Homo sapiens DLX6 antisense RNA 1 (DLX6-AS1), long non-coding RNA [NR_015448]
A_24_P151582	down	TEF	Homo sapiens thyrotrophic embryonic factor (TEF), transcript variant 1, mRNA [NM_003216]
A_23_P88489	down	CATSPER2	Homo sapiens cation channel, sperm associated 2 (CATSPER2), transcript variant 2, mRNA [NM_172095]
A_23_P57961	down	PLXNB1	Homo sapiens plexin B1 (PLXNB1), transcript variant 1, mRNA [NM_002673]
A_23_P210048	down	HDAC4	Homo sapiens histone deacetylase 4 (HDAC4), mRNA [NM_006037]
A_33_P3372237	down	DCAF13	Homo sapiens DDB1 and CUL4 associated factor 13 (DCAF13), mRNA [NM_015420]
A_23_P40657	down	GCAT	Homo sapiens glycine C-acetyltransferase (GCAT), transcript variant 2, mRNA [NM_014291]
A_33_P3390758	down	HSPA8	Homo sapiens heat shock 70kDa protein 8 (HSPA8), transcript variant 2, mRNA [NM_153201]
A_33_P3325336	down		eukaryotic translation elongation factor 1 alpha 1 pseudogene 15 [Source:HGNC Symbol;Acc:HGNC:3198] [ENST00000395772]
A_23_P135454	down	AFG3L2	Homo sapiens AFG3-like AAA ATPase 2 (AFG3L2), mRNA [NM_006796]
A_24_P577694	down	ADCY1	Homo sapiens adenylate cyclase 1 (brain) (ADCY1), transcript variant 1, mRNA [NM_021116]
A_24_P399009	down	EDC4	Homo sapiens enhancer of mRNA decapping 4 (EDC4), mRNA [NM_014329]
A_32_P44394	down	AIM2	Homo sapiens absent in melanoma 2 (AIM2), mRNA [NM_004833]
A_33_P3296807	down	HDAC8	Homo sapiens histone deacetylase 8 (HDAC8), transcript variant 3, mRNA [NM_001166419]
A_24_P77968	down	FLNC	Homo sapiens filamin C, gamma (FLNC), transcript variant 1, mRNA [NM_001458]
A_23_P146576	down	GBGT1	Homo sapiens globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 (GBGT1), transcript variant 1, mRNA [NM_021996]
A_23_P152082	down	SPTBN5	Homo sapiens spectrin, beta, non-erythrocytic 5 (SPTBN5), mRNA [NM_016642]
A_23_P302207	down	ZNF853	Homo sapiens zinc finger protein 853 (ZNF853), mRNA [NM_017560]

A_33_P3362981	down	KCTD5	Homo sapiens potassium channel tetramerization domain containing 5 (KCTD5), mRNA [NM_018992]
A_23_P500741	down	CBFA2T3	Homo sapiens core-binding factor, runt domain, alpha subunit 2; translocated to, 3 (CBFA2T3), transcript variant 1, mRNA [NM_005187]
A_33_P3398331	down	MMP24	Homo sapiens matrix metalloproteinase 24 (membrane-inserted) (MMP24), mRNA [NM_006690]
A_24_P298420	down	PRMT5	Homo sapiens protein arginine methyltransferase 5 (PRMT5), transcript variant 2, mRNA [NM_001039619]
A_23_P256835	down	TRAPPC12	Homo sapiens trafficking protein particle complex 12 (TRAPPC12), mRNA [NM_016030]
A_24_P137897	down	IFRD1	Homo sapiens interferon-related developmental regulator 1 (IFRD1), transcript variant 2, mRNA [NM_001007245]
A_23_P128744	down	BDKRB1	Homo sapiens bradykinin receptor B1 (BDKRB1), mRNA [NM_000710]
A_23_P34548	down	SDCCAG8	Homo sapiens serologically defined colon cancer antigen 8 (SDCCAG8), mRNA [NM_006642]
A_24_P21831	down	ZNF26	Homo sapiens zinc finger protein 26 (ZNF26), transcript variant 2, mRNA [NM_019591]
A_23_P145153	down	PDCD2	Homo sapiens programmed cell death 2 (PDCD2), transcript variant 1, mRNA [NM_002598]
A_24_P150791	down	JPH3	Homo sapiens junctophilin 3 (JPH3), transcript variant 1, mRNA [NM_020655]
A_24_P802145	down	IRS1	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]
A_23_P121499	down	WFS1	Homo sapiens Wolfram syndrome 1 (wolframin) (WFS1), transcript variant 1, mRNA [NM_006005]
A_23_P148121	down	EHBP1L1	Homo sapiens EH domain binding protein 1-like 1 (EHBP1L1), mRNA [NM_001099409]
A_23_P317683	down	TRAPPC10	Homo sapiens trafficking protein particle complex 10 (TRAPPC10), mRNA [NM_003274]
A_24_P402588	down	BCL11A	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 2, mRNA [NM_018014]
A_23_P21134	down	DDIT3	Homo sapiens DNA-damage-inducible transcript 3 (DDIT3), transcript variant 5, mRNA [NM_004083]
A_33_P3237729	down	PDLIM4	Homo sapiens PDZ and LIM domain 4 (PDLIM4), transcript variant 1, mRNA [NM_003687]
A_23_P385690	down	WNT3A	Homo sapiens wingless-type MMTV integration site family, member 3A (WNT3A), mRNA [NM_033131]
A_24_P785293	down	SNHG1	Homo sapiens small nucleolar RNA host gene 1 (non-protein coding) (SNHG1), long non-coding RNA [NR_003098]
A_23_P396062	down	RAB40C	Homo sapiens RAB40C, member RAS oncogene family (RAB40C), transcript variant 2, mRNA [NM_021168]
A_33_P3825869	down	CACNA1C	Homo sapiens calcium channel, voltage-dependent, L type, alpha 1C subunit (CACNA1C), transcript variant 1, mRNA [NM_199460]
A_23_P143374	down	NINL	Homo sapiens ninein-like (NINL), mRNA [NM_025176]
A_23_P86838	down	SLC36A4	Homo sapiens solute carrier family 36 (proton/amino acid symporter), member 4 (SLC36A4), transcript variant 1, mRNA [NM_152313]
A_24_P219156	down	RBM23	Homo sapiens RNA binding motif protein 23 (RBM23), transcript variant 1, mRNA [NM_001077351]
A_23_P202750	down	C11orf54	Homo sapiens chromosome 11 open reading frame 54 (C11orf54), transcript variant 4, mRNA [NM_014039]
A_24_P5305	down	SPG7	Homo sapiens spastic paraplegia 7 (pure and complicated autosomal recessive) (SPG7), transcript variant 1, mRNA [NM_003119]
A_33_P3382565	down	KIF26B	Homo sapiens kinesin family member 26B (KIF26B), mRNA [NM_018012]
A_23_P355289	down	AFG3L1P	Homo sapiens AFG3-like AAA ATPase 1, pseudogene (AFG3L1P), transcript variant 1, non-coding RNA [NR_003226]
A_24_P269129	down	ZDHHC14	Homo sapiens zinc finger, DHHC-type containing 14 (ZDHHC14), transcript variant 2, mRNA [NM_153746]
A_23_P33894	down	MAGED2	Homo sapiens melanoma antigen family D, 2 (MAGED2), transcript variant 3, mRNA [NM_201222]
A_33_P3668049	down	RHOT1	Homo sapiens ras homolog family member T1 (RHOT1), transcript variant 7, mRNA [NM_001288758]
A_23_P121215	down	CAMK1	Homo sapiens calcium/calmodulin-dependent protein kinase I (CAMK1), mRNA [NM_003656]
A_33_P3238052	down	FAM216A	Homo sapiens family with sequence similarity 216, member A (FAM216A), mRNA [NM_013300]
A_24_P225679	down	IRS1	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]
A_23_P200056	down	NADK	Homo sapiens NAD kinase (NADK), transcript variant 1, mRNA [NM_023018]
A_23_P41804	down	NKD2	Homo sapiens naked cuticle homolog 2 (Drosophila) (NKD2), transcript variant 1, mRNA [NM_033120]
A_24_P131236	down	SV2A	Homo sapiens synaptic vesicle glycoprotein 2A (SV2A), transcript variant 1, mRNA [NM_014849]
A_33_P3298960	down	KDEL2	Homo sapiens KDEL (Lys-Asp-Glu-Leu) containing 2 (KDEL2), mRNA [NM_153705]
A_23_P74391	down	OPN3	Homo sapiens opsin 3 (OPN3), mRNA [NM_014322]
A_33_P3288839	down	C14orf37	Homo sapiens chromosome 14 open reading frame 37 (C14orf37), mRNA [NM_001001872]
A_33_P3315375	down	SLFN11	Homo sapiens schlafen family member 11 (SLFN11), transcript variant 1, mRNA [NM_001104587]
A_23_P73747	down	ARMCX2	Homo sapiens armadillo repeat containing, X-linked 2 (ARMCX2), transcript variant 2, mRNA [NM_014782]

A_33_P3289835	down	OSBPL9	oxysterol binding protein-like 9 [Source:HGNC Symbol;Acc:HGNC:16386] [ENST00000531819]
A_24_P360722	down	DIP2C	Homo sapiens DIP2 disco-interacting protein 2 homolog C (Drosophila) (DIP2C), mRNA [NM_014974]
A_33_P3261293	down	DKK3	Homo sapiens dickkopf WNT signaling pathway inhibitor 3 (DKK3), transcript variant 1, mRNA [NM_015881]
A_33_P3319542	down	SLC8A2	Homo sapiens solute carrier family 8 (sodium/calcium exchanger), member 2 (SLC8A2), mRNA [NM_015063]
A_33_P3269806	down	ZNF616	Homo sapiens zinc finger protein 616 (ZNF616), mRNA [NM_178523]
A_23_P319013	down	ZNF383	Homo sapiens zinc finger protein 383 (ZNF383), mRNA [NM_152604]
A_23_P351734	down	NPHP4	Homo sapiens nephronophthisis 4 (NPHP4), transcript variant 1, mRNA [NM_015102]
A_24_P158903	down	IRAK4	Homo sapiens interleukin-1 receptor-associated kinase 4 (IRAK4), transcript variant 2, mRNA [NM_016123]
A_33_P3230698	down	KIF1A	Homo sapiens kinesin family member 1A (KIF1A), transcript variant 1, mRNA [NM_001244008]
A_23_P29096	down	PDE9A	Homo sapiens phosphodiesterase 9A (PDE9A), transcript variant 1, mRNA [NM_002606]
A_32_P73045	down	CMAS	Homo sapiens cytidine monophosphate N-acetylneuraminic acid synthetase (CMAS), mRNA [NM_018686]
A_23_P152356	down	ZNF200	Homo sapiens zinc finger protein 200 (ZNF200), transcript variant 1, mRNA [NM_003454]
A_23_P28057	down	THOP1	Homo sapiens thimet oligopeptidase 1 (THOP1), mRNA [NM_003249]
A_23_P65240	down	COL4A1	Homo sapiens collagen, type IV, alpha 1 (COL4A1), transcript variant 1, mRNA [NM_001845]
A_23_P67271	down	PKN1	Homo sapiens protein kinase N1 (PKN1), transcript variant 2, mRNA [NM_002741]
A_33_P3364626	down	TMEM194B	transmembrane protein 194B [Source:HGNC Symbol;Acc:HGNC:33700] [ENST00000343105]
A_23_P92642	down	ANKHD1	Homo sapiens ankyrin repeat and KH domain containing 1 (ANKHD1), transcript variant 3, mRNA [NM_024668]
A_33_P3222380	down	AHNAK2	Homo sapiens AHNAK nucleoprotein 2 (AHNAK2), mRNA [NM_138420]
A_23_P162746	down	CRYL1	Homo sapiens crystallin, lambda 1 (CRYL1), mRNA [NM_015974]
A_33_P3628675	down	FAM86B1	Homo sapiens family with sequence similarity 86, member B1 (FAM86B1), transcript variant 1, mRNA [NM_001083537]
A_23_P132910	down	RBM47	Homo sapiens RNA binding motif protein 47 (RBM47), transcript variant 2, mRNA [NM_019027]
A_33_P3255741	down	ZNF81	Homo sapiens zinc finger protein 81 (ZNF81), mRNA [NM_007137]
A_23_P4052	down		Homo sapiens cDNA: FLJ22659 fis, clone HSI07953. [AK026312]
A_33_P3269879	down	FAM160B2	Homo sapiens family with sequence similarity 160, member B2 (FAM160B2), mRNA [NM_022749]
A_24_P244470	down	RNF41	Homo sapiens ring finger protein 41, E3 ubiquitin protein ligase (RNF41), transcript variant 2, mRNA [NM_194358]
A_23_P77228	down	CRTC3	Homo sapiens CREB regulated transcription coactivator 3 (CRTC3), transcript variant 1, mRNA [NM_022769]
A_23_P161352	down	PTPLA	Homo sapiens protein tyrosine phosphatase-like (proline instead of catalytic arginine), member A (PTPLA), mRNA [NM_014241]
A_33_P3420254	down	DNAAF5	Homo sapiens dynein, axonemal, assembly factor 5 (DNAAF5), transcript variant 1, mRNA [NM_017802]
A_24_P240065	down	CHMP3	Homo sapiens charged multivesicular body protein 3 (CHMP3), transcript variant 1, mRNA [NM_016079]
A_23_P134085	down	CNKSR3	Homo sapiens CNKSR family member 3 (CNKSR3), mRNA [NM_173515]
A_23_P203829	down	ZNF10	Homo sapiens zinc finger protein 10 (ZNF10), mRNA [NM_015394]
A_24_P126691	down		eukaryotic translation elongation factor 1 alpha 1 pseudogene 22 [Source:HGNC Symbol;Acc:HGNC:37895] [ENST00000559385]
A_33_P3290403	down	IMPA2	Homo sapiens inositol(myo)-1(or 4)-monophosphatase 2 (IMPA2), mRNA [NM_014214]
A_24_P317827	down	TMEM8B	Homo sapiens transmembrane protein 8B (TMEM8B), transcript variant 1, mRNA [NM_001042590]
A_24_P370670	down	ZMYM6NB	Homo sapiens ZMYM6 neighbor (ZMYM6NB), mRNA [NM_001195156]
A_33_P3508717	down	LINC00847	Homo sapiens long intergenic non-protein coding RNA 847 (LINC00847), transcript variant 1, long non-coding RNA [NR_027183]
A_24_P18917	down	LMF1	Homo sapiens lipase maturation factor 1 (LMF1), transcript variant 1, mRNA [NM_022773]
A_23_P91487	down	RWDD2B	Homo sapiens RWD domain containing 2B (RWDD2B), mRNA [NM_016940]
A_33_P3376636	down	OPA3	Homo sapiens optic atrophy 3 (autosomal recessive, with chorea and spastic paraplegia) (OPA3), transcript variant 1, mRNA [NM_001017989]
A_24_P184769	down	WDR20	Homo sapiens WD repeat domain 20 (WDR20), transcript variant 1, mRNA [NM_181291]
A_33_P3326285	down	GAS5	Homo sapiens growth arrest-specific 5 (non-protein coding) (GAS5), long non-coding RNA [NR_002578]
A_33_P3299319	down	RPL28	Homo sapiens ribosomal protein L28 (RPL28), transcript variant 5, mRNA [NM_001136137]
A_23_P73420	down	TRAPPC9	Homo sapiens trafficking protein particle complex 9 (TRAPPC9), transcript variant 1, mRNA [NM_031466]

A_23_P149775	down	ARHGAP12	Homo sapiens Rho GTPase activating protein 12 (ARHGAP12), transcript variant 1, mRNA [NM_018287]
A_33_P3229617	down	SGCE	Homo sapiens sarcoglycan, epsilon (SGCE), transcript variant 1, mRNA [NM_001099401]
A_23_P149476	down	EFCAB2	Homo sapiens EF-hand calcium binding domain 2 (EFCAB2), transcript variant 1, mRNA [NM_032328]
A_33_P3480395	down	SCUBE1	signal peptide, CUB domain, EGF-like 1 [Source:HGNC Symbol;Acc:HGNC:13441] [ENST00000360835]
A_23_P57492	down	SLC5A4	Homo sapiens solute carrier family 5 (glucose activated ion channel), member 4 (SLC5A4), mRNA [NM_014227]
A_24_P181672	down	B3GNTL1	Homo sapiens UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1 (B3GNTL1), mRNA [NM_001009905]
A_33_P3350728	down	FARP2	Homo sapiens FERM, RhoGEF and pleckstrin domain protein 2 (FARP2), transcript variant 3, mRNA [NM_001282984]
A_32_P15320	down	EEF1A1	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1), mRNA [NM_001402]
A_23_P53081	down	OSBPL5	Homo sapiens oxysterol binding protein-like 5 (OSBPL5), transcript variant 1, mRNA [NM_020896]
A_23_P58676	down	NPR3	Homo sapiens natriuretic peptide receptor 3 (NPR3), transcript variant 1, mRNA [NM_001204375]



Table S7: Genes significantly regulated by DZNep (fold change > 1.5) in CH2879 cells, but not in chondrocytes.

ProbeName	Regulation	GeneSymbol	Description
A_23_P388190	down	DIDO1	Homo sapiens death inducer-obliterator 1 (DIDO1), transcript variant 4, mRNA [NM_033081]
A_24_P406754	down	LOXL4	Homo sapiens lysyl oxidase-like 4 (LOXL4), mRNA [NM_032211]
A_23_P397969	down	FO XK2	Homo sapiens forkhead box K2 (FO XK2), mRNA [NM_004514]
A_23_P53276	down	TIMELESS	Homo sapiens timeless circadian clock (TIMELESS), mRNA [NM_003920]
A_23_P350555	down	TCP10L	Homo sapiens t-complex 10-like (TCP10L), mRNA [NM_144659]
A_33_P3398091	down	ZNF562	Homo sapiens zinc finger protein 562 (ZNF562), transcript variant 1, mRNA [NM_001130031]
A_32_P22501	down	EIF3J-AS1	Homo sapiens EIF3J antisense RNA 1 (head to head) (EIF3J-AS1), transcript variant 1, long non-coding RNA [NR_034170]
A_33_P3281151	down	FUBP1	Homo sapiens far upstream element (FUSE) binding protein 1 (FUBP1), transcript variant 1, mRNA [NM_001303433]
A_23_P314712	down	CABYR	Homo sapiens calcium binding tyrosine-(Y)-phosphorylation regulated (CABYR), transcript variant 1, mRNA [NM_012189]
A_23_P252711	down	LACTB2	Homo sapiens lactamase, beta 2 (LACTB2), mRNA [NM_016027]
A_33_P3236986	down	CYP17A1-AS1	PREDICTED: Homo sapiens uncharacterized LOC102724307 (LOC102724307), ncRNA [XR_424180]
A_33_P3422991	down	SLC36A4	Homo sapiens solute carrier family 36 (proton/amino acid symporter), member 4 (SLC36A4), transcript variant 2, mRNA [NM_001286139]
A_32_P146659	down	ATP6V0E2-AS1	Homo sapiens ATP6V0E2 antisense RNA 1 (ATP6V0E2-AS1), long non-coding RNA [NR_027040]
A_23_P45699	down	FUBP1	Homo sapiens far upstream element (FUSE) binding protein 1 (FUBP1), transcript variant 2, mRNA [NM_003902]
A_23_P51085	down	SPC25	Homo sapiens SPC25, NDC80 kinetochore complex component (SPC25), mRNA [NM_020675]
A_33_P3276997	down	MAP6	Homo sapiens microtubule-associated protein 6 (MAP6), transcript variant 2, mRNA [NM_207577]
A_24_P804667	down	METTL12	Homo sapiens methyltransferase like 12 (METTL12), mRNA [NM_001043229]
A_33_P3313830	down	LINC01184	Homo sapiens long intergenic non-protein coding RNA 1184 (LINC01184), long non-coding RNA [NR_015360]
A_23_P21363	down	AHNAK	Homo sapiens AHNAK nucleoprotein (AHNAK), transcript variant 2, mRNA [NM_024060]
A_23_P24922	down	LIPT2	Homo sapiens lipoyl(octanoyl) transferase 2 (putative) (LIPT2), mRNA [NM_001144869]
A_33_P3454679	down		PREDICTED: Homo sapiens glutenin, high molecular weight subunit DX5-like (LOC100996433), mRNA [XM_006710179]
A_33_P3243887	down	IL11	Homo sapiens interleukin 11 (IL11), transcript variant 1, mRNA [NM_000641]
A_23_P308032	down	NUP98	Homo sapiens nucleoporin 98kDa (NUP98), transcript variant 3, mRNA [NM_005387]
A_32_P75661	down	PDIA6	PREDICTED: Homo sapiens protein disulfide isomerase family A, member 6 (PDIA6), transcript variant X4, mRNA [XM_006711856]
A_33_P3414207	down	RAP2C-AS1	Homo sapiens RAP2C antisense RNA 1 (RAP2C-AS1), long non-coding RNA [NR_110410]
A_33_P3242109	down	lnc-NINJ2-2	Homo sapiens cDNA clone IMAGE:4752264, partial cds. [BC039168]
A_33_P3214298	down	IMPDH2	Homo sapiens IMP (inosine 5'-monophosphate) dehydrogenase 2 (IMPDH2), mRNA [NM_000884]
A_24_P177585	down	GEN1	Homo sapiens GEN1 Holliday junction 5' flap endonuclease (GEN1), transcript variant 1, mRNA [NM_182625]
A_33_P3288219	down		Homo sapiens cDNA FLJ45684 fis, clone FCBBF3005160. [AK127589]
A_23_P70007	down	HMMR	Homo sapiens hyaluronan-mediated motility receptor (RHAMM) (HMMR), transcript variant 2, mRNA [NM_012484]
A_33_P3268318	down		
A_33_P3381870	down	DMTN	Homo sapiens dematin actin binding protein (DMTN), transcript variant 1, mRNA [NM_001978]
A_33_P3242863	down	NT5M	Homo sapiens 5',3'-nucleotidase, mitochondrial (NT5M), mRNA [NM_020201]
A_23_P207507	down	ABCC3	Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 3 (ABCC3), transcript variant 1, mRNA [NM_003786]
A_23_P99204	down	MAPKAPK5-AS1	Homo sapiens MAPKAPK5 antisense RNA 1 (MAPKAPK5-AS1), long non-coding RNA [NR_015404]
A_33_P3278318	down	MSRB2	Homo sapiens methionine sulfoxide reductase B2 (MSRB2), mRNA [NM_012228]
A_24_P279489	down	VPS53	Homo sapiens vacuolar protein sorting 53 homolog (S. cerevisiae) (VPS53), transcript variant 1, mRNA [NM_001128159]
A_33_P3367201	down	MMAB	Homo sapiens methylmalonic aciduria (cobalamin deficiency) cblB type (MMAB), transcript variant 1, mRNA [NM_052845]
A_33_P3433873	down	ZWILCH	Homo sapiens zwilch kinetochore protein (ZWILCH), transcript variant 2, mRNA [NM_001287821]
A_24_P236235	down	FLRT2	Homo sapiens fibronectin leucine rich transmembrane protein 2 (FLRT2), mRNA [NM_013231]
A_33_P3339336	down	FAM86FP	Homo sapiens family with sequence similarity 86, member F, pseudogene (FAM86FP), non-coding RNA [NR_024254]
A_24_P53150	down	TRAF7	Homo sapiens TNF receptor-associated factor 7, E3 ubiquitin protein ligase (TRAF7), mRNA [NM_032271]

A_33_P3271395	down	LOC100129534	Homo sapiens small nuclear ribonucleoprotein polypeptide N pseudogene (LOC100129534), non-coding RNA [NR_024489]
A_23_P69617	down	UNC5C	Homo sapiens unc-5 homolog C (C. elegans) (UNC5C), mRNA [NM_003728]
A_33_P3409139	down	lnc-VTI1A-2	PREDICTED: Homo sapiens vesicle transport through interaction with t-SNAREs 1A (VT1A), transcript variant X8, mRNA [XM_006717637]
A_23_P23102	down	ZSCAN20	Homo sapiens zinc finger and SCAN domain containing 20 (ZSCAN20), mRNA [NM_145238]
A_23_P134517	down	PURB	Homo sapiens purine-rich element binding protein B (PURB), mRNA [NM_033224]
A_23_P140876	down	ABCA3	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 3 (ABCA3), mRNA [NM_001089]
A_23_P318604	down	CYHR1	cysteine/histidine-rich 1 [Source:HGNC Symbol;Acc:HGNC:17806] [ENST00000528663]
A_24_P383609	down	NANOS1	Homo sapiens nanos homolog 1 (Drosophila) (NANOS1), mRNA [NM_199461]
A_33_P3342563	down	PITPNM3	Homo sapiens PITPNM family member 3 (PITPNM3), transcript variant 1, mRNA [NM_031220]
A_33_P3210203	down	SPIRE2	Homo sapiens spire-type actin nucleation factor 2 (SPIRE2), mRNA [NM_032451]
A_23_P143958	down	RPL22L1	Homo sapiens ribosomal protein L22-like 1 (RPL22L1), mRNA [NM_001099645]
A_24_P360206	down	PCDHA11	Homo sapiens protocadherin alpha 11 (PCDHA11), transcript variant 1, mRNA [NM_018902]
A_32_P12327	down	USP46-AS1	Homo sapiens USP46 antisense RNA 1 (USP46-AS1), long non-coding RNA [NR_125363]
A_32_P232035	down	LOC100270746	Homo sapiens uncharacterized LOC100270746 (LOC100270746), long non-coding RNA [NR_026776]
A_23_P307761	down	CABLES2	Homo sapiens Cdk5 and Abl enzyme substrate 2 (CABLES2), mRNA [NM_031215]
A_24_P497186	up	IRF2BP2	Homo sapiens interferon regulatory factor 2 binding protein 2 (IRF2BP2), transcript variant 1, mRNA [NM_182972]
A_23_P118536	up	SLFN12	Homo sapiens schlafen family member 12 (SLFN12), transcript variant 1, mRNA [NM_018042]
A_24_P630490	up	DFNB59	Homo sapiens deafness, autosomal recessive 59 (DFNB59), mRNA [NM_001042702]
A_23_P99360	up	TRIM13	Homo sapiens tripartite motif containing 13 (TRIM13), transcript variant 3, mRNA [NM_213590]
A_23_P105562	up	VWF	Homo sapiens von Willebrand factor (VWF), mRNA [NM_000552]
A_23_P123596	up	GLDC	Homo sapiens glycine dehydrogenase (decarboxylating) (GLDC), mRNA [NM_000170]
A_23_P102000	up	CXCR4	Homo sapiens chemokine (C-X-C motif) receptor 4 (CXCR4), transcript variant 1, mRNA [NM_001008540]
A_32_P164246	up	FOXQ1	Homo sapiens forkhead box Q1 (FOXQ1), mRNA [NM_033260]
A_23_P118392	up	RASD1	Homo sapiens RAS, dexamethasone-induced 1 (RASD1), transcript variant 1, mRNA [NM_016084]
A_33_P3269069	up	HS2ST1	Homo sapiens heparan sulfated 2-O-sulfotransferase 1 (HS2ST1), transcript variant 2, mRNA [NM_001134492]
A_23_P356965	up	CCDC57	coiled-coil domain containing 57 [Source:HGNC Symbol;Acc:HGNC:27564] [ENST00000327026]
A_33_P3374504	up	TXNRD2	Homo sapiens thioredoxin reductase 2 (TXNRD2), transcript variant 2, mRNA [NM_001282512]
A_23_P97141	up	RGS1	Homo sapiens regulator of G-protein signaling 1 (RGS1), mRNA [NM_002922]
A_23_P32454	up	TG	Homo sapiens thyroglobulin (TG), mRNA [NM_003235]
A_23_P61371	up	TMEM173	Homo sapiens transmembrane protein 173 (TMEM173), transcript variant 1, mRNA [NM_198282]
A_23_P138253	up	CHTOP	Homo sapiens chromatin target of PRMT1 (CHTOP), transcript variant 1, mRNA [NM_015607]
A_33_P3527721	up	LOC284219	Homo sapiens cDNA FLJ37117 fis, clone BRACE2022270. [AK094436]
A_32_P131050	up	ZNF148	Homo sapiens zinc finger protein 148 (ZNF148), mRNA [NM_021964]
A_24_P341674	up	DIO2	Homo sapiens deiodinase, iodothyronine, type II (DIO2), transcript variant 1, mRNA [NM_013989]
A_33_P3417865	up	ZFP36L1	Homo sapiens ZFP36 ring finger protein-like 1 (ZFP36L1), transcript variant 1, mRNA [NM_004926]
A_23_P217899	up	CCNL2	Homo sapiens cyclin L2 (CCNL2), transcript variant 1, mRNA [NM_030937]
A_23_P116743	up	LINC01089	Homo sapiens long intergenic non-protein coding RNA 1089 (LINC01089), long non-coding RNA [NR_002809]
A_23_P325562	up	SLC1A7	Homo sapiens solute carrier family 1 (glutamate transporter), member 7 (SLC1A7), transcript variant 4, mRNA [NM_006671]
A_23_P16953	up	HTR2B	Homo sapiens 5-hydroxytryptamine (serotonin) receptor 2B, G protein-coupled (HTR2B), mRNA [NM_000867]
A_23_P65208	up	ZMYM5	Homo sapiens zinc finger, MYM-type 5 (ZMYM5), transcript variant 1, mRNA [NM_001039650]
A_33_P3419339	up	GNAI3	Homo sapiens guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 (GNAI3), mRNA [NM_006496]
A_23_P78037	up	CCL7	Homo sapiens chemokine (C-C motif) ligand 7 (CCL7), mRNA [NM_006273]
A_33_P3341424	up	MYO10	Homo sapiens myosin X (MYO10), mRNA [NM_012334]
A_33_P3285260	up		chromosome 21 open reading frame 33 [Source:HGNC Symbol;Acc:HGNC:1273] [ENST00000493883]
A_33_P3286953	up	ADAMTS6	Homo sapiens ADAM metalloproteinase with thrombospondin type 1 motif, 6 (ADAMTS6), mRNA [NM_197941]

A_33_P3371588	up	FUNDC2	Homo sapiens FUN14 domain containing 2 (FUNDC2), mRNA [NM_023934]
A_23_P24004	up	IFIT2	Homo sapiens interferon-induced protein with tetratricopeptide repeats 2 (IFIT2), mRNA [NM_001547]
A_33_P3321781	up		PREDICTED: Homo sapiens uncharacterized LOC645460 (FLJ44342), transcript variant X1, misc_RNA [XR_429999]
A_24_P332647	up	SSH1	Homo sapiens slingshot protein phosphatase 1 (SSH1), transcript variant 3, mRNA [NM_001161331]
A_33_P3344277	up	HS1BP3	Homo sapiens HCLS1 binding protein 3, mRNA (cDNA clone IMAGE:5574764), with apparent retained intron. [BC057389]
A_33_P3325978	up		AY247741 TRB2 protein {Bos taurus} (exp=-1; wgp=0; cg=0), partial (55%) [THC2607344]
A_33_P3344282	up	HS1BP3	Homo sapiens HCLS1 binding protein 3, mRNA (cDNA clone IMAGE:6056200), with apparent retained intron. [BC038847]
A_33_P3407985	up	TMEM99	Homo sapiens transmembrane protein 99 (TMEM99), transcript variant 1, mRNA [NM_001195386]
A_23_P99540	up	ZFP36L1	Homo sapiens ZFP36 ring finger protein-like 1 (ZFP36L1), transcript variant 1, mRNA [NM_004926]
A_23_P365738	up	ARC	Homo sapiens activity-regulated cytoskeleton-associated protein (ARC), mRNA [NM_015193]
A_33_P3334102	up	ARHGAP27	Homo sapiens Rho GTPase activating protein 27 (ARHGAP27), transcript variant 3, mRNA [NM_174919]
A_23_P22444	up	CFP	Homo sapiens complement factor properdin (CFP), transcript variant 1, mRNA [NM_002621]
A_23_P167017	up	POPDC2	Homo sapiens popeye domain containing 2 (POPDC2), mRNA [NM_022135]
A_33_P3257170	up	PRR3	proline rich 3 [Source:HGNC Symbol;Acc:HGNC:21149] [ENST00000461523]
A_23_P48740	up	DIO2	Homo sapiens deiodinase, iodothyronine, type II (DIO2), transcript variant 1, mRNA [NM_013989]
A_23_P345460	up	PLEKHG4	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 4 (PLEKHG4), transcript variant 3, mRNA [NM_001129728]
A_23_P422071	up	B3GALT4	Homo sapiens UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4 (B3GALT4), mRNA [NM_003782]
A_33_P3412900	up	CBLN3	Homo sapiens cerebellin 3 precursor (CBLN3), mRNA [NM_001039771]
A_33_P3330952	up	ATP8A1	Homo sapiens ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1 (ATP8A1), transcript variant 1, mRNA [NM_006095]
A_33_P3213374	up	CITED2	Homo sapiens Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2 (CITED2), transcript variant 1, mRNA [NM_006079]
A_33_P3214879	up	KPNA1	Homo sapiens karyopherin alpha 1 (importin alpha 5) (KPNA1), transcript variant 1, mRNA [NM_002264]
A_33_P3271121	up		
A_33_P3318668	up	CYSRT1	Homo sapiens cysteine-rich tail protein 1 (CYSRT1), mRNA [NM_199001]
A_24_P235783	up	SF1	splicing factor 1 [Source:HGNC Symbol;Acc:HGNC:12950] [ENST00000463343]
A_24_P98411	up	HSPA5	Homo sapiens heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) (HSPA5), mRNA [NM_005347]
A_23_P214080	up	EGR1	Homo sapiens early growth response 1 (EGR1), mRNA [NM_001964]
A_33_P3355503	up	FOXL1	Homo sapiens forkhead box L1 (FOXL1), mRNA [NM_005250]
A_23_P90790	up	METAP1D	Homo sapiens methionyl aminopeptidase type 1D (mitochondrial) (METAP1D), mRNA [NM_199227]
A_33_P3297050	up	ALG2	Homo sapiens ALG2, alpha-1,3/1,6-mannosyltransferase (ALG2), transcript variant 1, mRNA [NM_033087]
A_24_P218006	up	DNAJC30	Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 30 (DNAJC30), mRNA [NM_032317]
A_23_P258912	up	MYOM2	Homo sapiens myomesin 2 (MYOM2), mRNA [NM_003970]
A_32_P217655	up	LOC645166	Homo sapiens lymphocyte-specific protein 1 pseudogene (LOC645166), transcript variant 2, non-coding RNA [NR_027355]
A_23_P46690	up	TMEM81	Homo sapiens transmembrane protein 81 (TMEM81), mRNA [NM_203376]
A_24_P34155	up	RUNX1	Homo sapiens runt-related transcription factor 1 (RUNX1), transcript variant 3, mRNA [NM_001122607]
A_33_P3242743	up	ARFRP1	Homo sapiens ADP-ribosylation factor related protein 1 (ARFRP1), transcript variant 8, mRNA [NM_001267549]
A_33_P3245243	up		Q9P1R7_HUMAN (Q9P1R7) HDCMB45P (Fragment), partial (19%) [THC2780703]
A_23_P35564	up	SEC31B	Homo sapiens SEC31 homolog B (S. cerevisiae) (SEC31B), mRNA [NM_015490]
A_23_P19243	up		Homo sapiens PRO2266 mRNA, complete cds. [AF119870]
A_33_P3309804	up	EID1	Homo sapiens EP300 interacting inhibitor of differentiation 1 (EID1), mRNA [NM_014335]
A_33_P3323298	up	JUN	Homo sapiens jun proto-oncogene (JUN), mRNA [NM_002228]
A_33_P3423121	up	RDX	Homo sapiens radixin (RDX), transcript variant 1, mRNA [NM_001260492]
A_24_P148796	up	MST1	Homo sapiens macrophage stimulating 1 (hepatocyte growth factor-like) (MST1), mRNA [NM_020998]
A_33_P3411357	up	DGCR11	Homo sapiens DiGeorge syndrome critical region gene 11 (non-protein coding) (DGCR11), long non-coding RNA [NR_024157]
A_33_P3268974	up	RECQL5	Homo sapiens RecQ protein-like 5 (RECQL5), transcript variant 3, mRNA [NM_001003716]
A_23_P433188	up	GZF1	Homo sapiens GDNF-inducible zinc finger protein 1 (GZF1), mRNA [NM_022482]

A_23_P214798	up	SYNCRIP	Homo sapiens synaptotagmin binding, cytoplasmic RNA interacting protein (SYNCRIP), transcript variant 1, mRNA [NM_006372]
A_23_P214969	up	CITED2	Homo sapiens Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2 (CITED2), transcript variant 1, mRNA [NM_006079]
A_33_P3314176	up	FAM46C	Homo sapiens family with sequence similarity 46, member C (FAM46C), mRNA [NM_017709]
A_23_P132763	up	VGLL3	Homo sapiens vestigial-like family member 3 (VGLL3), mRNA [NM_016206]
A_23_P17345	up	MAFB	Homo sapiens v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog B (MAFB), mRNA [NM_005461]
A_33_P3264528	up	HOXA11	Homo sapiens homeobox A11 (HOXA11), mRNA [NM_005523]
A_32_P192970	up	ALDH4A1	Homo sapiens aldehyde dehydrogenase 4 family, member A1 (ALDH4A1), transcript variant P5CDhS, mRNA [NM_170726]
A_33_P3293247	up	GPSM1	Homo sapiens G-protein signaling modulator 1 (GPSM1), transcript variant 2, mRNA [NM_015597]
A_23_P132738	up	CRYGS	Homo sapiens crystallin, gamma S (CRYGS), mRNA [NM_017541]
A_33_P3297415	up	NRP2	Homo sapiens neuropilin 2 (NRP2), transcript variant 6, mRNA [NM_201264]
A_33_P3391603	up	LAMA4	Homo sapiens laminin, alpha 4 (LAMA4), transcript variant 5, mRNA [NM_001105209]
A_33_P3325866	up	FBXL17	Homo sapiens F-box and leucine-rich repeat protein 17, mRNA (cDNA clone IMAGE:30341140), with apparent retained intron. [BC063316]
A_24_P356601	up	HEXIM1	Homo sapiens hexamethylene bis-acetamide inducible 1 (HEXIM1), mRNA [NM_006460]
A_23_P169039	up	SNAI2	Homo sapiens snail family zinc finger 2 (SNAI2), mRNA [NM_003068]
A_23_P64617	up	FZD4	Homo sapiens frizzled class receptor 4 (FZD4), mRNA [NM_012193]
A_32_P179746	up	LOC101929687	PREDICTED: Homo sapiens uncharacterized LOC101929687 (LOC101929687), transcript variant X2, ncRNA [XR_427741]
A_33_P3387771	up	USP9X	Homo sapiens ubiquitin specific peptidase 9, X-linked (USP9X), transcript variant 3, mRNA [NM_001039590]
A_32_P87568	up	ENAH	Homo sapiens enabled homolog (Drosophila) (ENAH), transcript variant 1, mRNA [NM_001008493]
A_23_P342709	up	FBXO15	Homo sapiens F-box protein 15 (FBXO15), transcript variant 1, mRNA [NM_152676]
A_23_P316460	up	ZBED6CL	Homo sapiens ZBED6 C-terminal like (ZBED6CL), mRNA [NM_138434]
A_33_P3302957	up	PLEKHG4	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 4 (PLEKHG4), transcript variant 3, mRNA [NM_001129728]
A_23_P111112	up	VARS2	Homo sapiens valyl-tRNA synthetase 2, mitochondrial (VARS2), transcript variant 2, mRNA [NM_020442]
A_33_P3330264	up	CXCL1	Homo sapiens chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) (CXCL1), transcript variant 1, mRNA [NM_001511]
A_33_P3268793	up	ADAT3	Homo sapiens adenosine deaminase, tRNA-specific 3 (ADAT3), mRNA [NM_138422]
A_23_P417383	up	ASPRV1	Homo sapiens aspartic peptidase, retroviral-like 1 (ASPRV1), mRNA [NM_152792]
A_33_P3368495	up		Homo sapiens cDNA FLJ32505 fis, clone SMINT1000039. [AK057067]
A_23_P420373	up	DNMT3A	Homo sapiens DNA (cytosine-5-)-methyltransferase 3 alpha (DNMT3A), transcript variant 4, mRNA [NM_175630]
A_33_P3224705	up	PCNXL4	pecanex-like 4 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:20349] [ENST00000391611]
A_24_P229531	up	NABP1	Homo sapiens nucleic acid binding protein 1 (NABP1), transcript variant 1, mRNA [NM_001031716]
A_23_P218131	up	INF2	Homo sapiens inverted formin, FH2 and WH2 domain containing (INF2), transcript variant 3, mRNA [NM_032714]
A_24_P923251	up	TGM2	Homo sapiens transglutaminase 2 (TGM2), transcript variant 2, mRNA [NM_198951]
A_23_P8281	up	IFNGR1	Homo sapiens interferon gamma receptor 1 (IFNGR1), mRNA [NM_000416]

**Table S8: Functional enrichment associated to EGFR signaling in DEG network**

<b>Biological process</b>	<b>Gene symbol</b>	<b>FDR</b>
Regulation of ERK1 and ERK2 cascade (GO:0070372)	ABL1,ACKR3,AGER,ATF3,BMP2,C3orf33,CCL2,CCL7,CCR1,CCR7,CD36,CEACAM1,CHRNA9,CNKS3R3,CSF1R,DUSP10,EGFR,F2R,GAS6,HTR2A,HTR2B,IL1B,JUN,LIF,MAP2K1,NOD2,PRKCZ,PRMT5,SCIMP,TRPV4,WNK2	0.0267
Regulation of Ras protein signal transduction (GO:0046578)	ABL1,ABR,ALS2,ARF6,ARHGEF25,ARHGEF4,ARHGEF6,AUTS2,CYTH4,DENND1A,F2R,F2RL2,FARP2,IQSEC1,KALRN,MA DD,MCF2L,NGEF,PLEKHG4,PLEKHG4B,PSD4,RASGRF1,RDX,SGK223,VAV3	0.0375