

Table S1.

**A.** Complete list of 177 genes overexpressed in replicative senescence

Value	Gene	Description	UniGene	RefSeq
2.440	WNT16	wingless-type MMTV integration site family, member 16 (WNT16), transcript variant 2, mRNA.	Hs.272375	NM_016087
2.355	MMP10	matrix metalloproteinase 10 (stromelysin 2) (MMP10), mRNA.	Hs.2258	NM_002425
2.344	MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3), mRNA.	Hs.375129	NM_002422
2.300	HIST1H2AC	Histone cluster 1, H2ac	Hs.484950	
2.134	CLDN1	claudin 1 (CLDN1), mRNA.	Hs.439060	NM_021101
2.119	TSPAN13	tetraspanin 13 (TSPAN13), mRNA.	Hs.364544	NM_014399
2.112	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
2.070	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
2.026	DCBLD2	discoidin, CUB and LCCL domain containing 2 (DCBLD2), mRNA.	Hs.203691	NM_080927
2.007	SERPINB2	serpin peptidase inhibitor, clade B (ovalbumin), member 2 (SERPINB2), mRNA.	Hs.594481	NM_002575
2.004	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
1.989	OBFC2A	Oligonucleotide/oligosaccharide-binding fold containing 2A	Hs.591610	
1.962	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
1.947	PLCB4	phospholipase C, beta 4 (PLCB4), transcript variant 2, mRNA.	Hs.472101	NM_182797
1.934	PLCB4	phospholipase C, beta 4 (PLCB4), transcript variant 1, mRNA.	Hs.472101	NM_000933
1.933	KRTAP1-5	keratin associated protein 1-5 (KRTAP1-5), mRNA.	Hs.534499	NM_031957
1.894	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
1.884	CYTL1	cytokine-like 1 (CYTL1), mRNA.	Hs.13872	NM_018659
1.848	TNFRSF10D	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain (TNFRSF10D), mRNA.	Hs.213467	NM_003840
1.785	MMP1	matrix metalloproteinase 1 (interstitial collagenase) (MMP1), mRNA.	Hs.83169	NM_002421
1.781	P2RX5	purinergic receptor P2X, ligand-gated ion channel, 5 (P2RX5), transcript variant 2, mRNA.	Hs.408615	NM_175080
1.775	ARRDC4	arrestin domain containing 4 (ARRDC4), mRNA.	Hs.6093	NM_183376
1.738	CCND2	cyclin D2 (CCND2), mRNA.	Hs.376071	NM_001759
1.737	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1) (CDKN1A), transcript variant 1, mRNA.	Hs.370771	NM_000389
1.716	AOX1	aldehyde oxidase 1 (AOX1), mRNA.	Hs.406238	NM_001159

1.713	WDR63	WD repeat domain 63 (WDR63), mRNA.	Hs.97933	NM_145172
1.711	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
1.692	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
1.685	LPXN	leupaxin (LPXN), mRNA.	Hs.125474	NM_004811
1.658	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
1.640	GLS	glutaminase (GLS), nuclear gene encoding mitochondrial protein, mRNA.	Hs.116448	NM_014905
1.599	C15orf48	chromosome 15 open reading frame 48 (C15orf48), transcript variant 1, mRNA.	Hs.112242	NM_197955
1.591	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
1.574	PNPLA3	patatin-like phospholipase domain containing 3 (PNPLA3), mRNA.	Hs.654800	NM_025225
1.569	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
1.568	FUT7	fucosyltransferase 7 (alpha (1,3) fucosyltransferase) (FUT7), mRNA.	Hs.457	NM_004479
1.567	RRM2B	ribonucleotide reductase M2 B (TP53 inducible) (RRM2B), mRNA.	Hs.512592	NM_015713
1.563	FYN	FYN oncogene related to SRC, FGR, YES (FYN), transcript variant 2, mRNA.	Hs.390567	NM_153047
1.548	PKIB	protein kinase (cAMP-dependent, catalytic) inhibitor beta (PKIB), transcript variant 3, mRNA.	Hs.486354	NM_032471
1.534	LEPREL1	leprecan-like 1 (LEPREL1), mRNA.	Hs.374191	NM_018192
1.527	CHI3L1	chitinase 3-like 1 (cartilage glycoprotein-39) (CHI3L1), mRNA.	Hs.382202	NM_001276
1.526	HMGA2	high mobility group AT-hook 2 (HMGA2), transcript variant 1, mRNA.	Hs.505924	NM_003483
1.514	MAMDC2	MAM domain containing 2 (MAMDC2), mRNA.	Hs.547172	NM_153267
1.510	NEK10	NIMA (never in mitosis gene a)- related kinase 10 (NEK10), transcript variant 1, mRNA.	Hs.506115	NM_001031741
1.506	TRIM58	tripartite motif-containing 58 (TRIM58), mRNA.	Hs.323858	NM_015431
1.500	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
1.498	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
1.493	CYB5R1	cytochrome b5 reductase 1 (CYB5R1), mRNA.	Hs.334832	NM_016243
1.487	TMEM154	transmembrane protein 154 (TMEM154), mRNA.	Hs.518900	NM_152680
1.468	TNFRSF10B	tumor necrosis factor receptor superfamily, member 10b (TNFRSF10B), transcript variant 2, mRNA.	Hs.521456	NM_147187
1.466	HIST1H4H	histone cluster 1, H4h (HIST1H4H), mRNA.	Hs.591790	NM_003543
1.465	STC1	stanniocalcin 1 (STC1), mRNA.	Hs.25590	NM_003155
1.464	KCNN2	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2 (KCNN2), transcript variant 2, mRNA.	Hs.98280	NM_170775
1.458	HIST2H2BE	histone cluster 2, H2be (HIST2H2BE), mRNA.	Hs.2178	NM_003528
1.439	SMURF2	SMAD specific E3 ubiquitin protein ligase 2 (SMURF2), mRNA.	Hs.705442	NM_022739
1.439	SLC16A6	solute carrier family 16, member 6 (monocarboxylic acid transporter 7) (SLC16A6), mRNA.	Hs.42645	NM_004694
1.429	INA	internexin neuronal intermediate filament protein, alpha (INA), mRNA.	Hs.500916	NM_032727

1.427	PTX3	pentraxin-related gene, rapidly induced by IL-1 beta (PTX3), mRNA.	Hs.591286	NM_002852
1.424	HIST1H1C	histone cluster 1, H1c (HIST1H1C), mRNA.	Hs.7644	NM_005319
1.423	IGFBP7	insulin-like growth factor binding protein 7 (IGFBP7), mRNA.	Hs.479808	NM_001553
1.412	ITGA6	Integrin, alpha 6	Hs.133397	
1.407		CDNA FLJ12136 fis, clone MAMMA1000312	Hs.655291	
1.395	SFRP1	secreted frizzled-related protein 1 (SFRP1), mRNA.	Hs.708003	NM_003012
1.393	PERP	PERP, TP53 apoptosis effector (PERP), mRNA.	Hs.520421	NM_022121
1.378	LOC654433	CDNA clone IMAGE:4826696	Hs.656660	
1.371	GALNT5	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 5 (GalNAc-T5) (GALNT5), mRNA.	Hs.269027	NM_014568
1.347	TNFRSF10C	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain (TNFRSF10C), mRNA.	Hs.655801	NM_003841
1.329	NFE2L3	nuclear factor (erythroid-derived 2)-like 3 (NFE2L3), mRNA.	Hs.404741	NM_004289
1.327	AKAP2	A kinase (PRKA) anchor protein 2 (AKAP2), mRNA.	Hs.591908	NM_001004065
1.324	P11	22 serine protease placental protein 11	Hs.997	
1.322	NRG1	neuregulin 1 (NRG1), transcript variant HRG-beta2, mRNA.	Hs.453951	NM_013957
1.322	SERPINB7	serpin peptidase inhibitor, clade B (ovalbumin), member 7 (SERPINB7), transcript variant 2, mRNA.	Hs.138202	NM_001040147
1.320	AK3L1	Adenylate kinase 3-like 1	Hs.592601	
1.317	BRP44	brain protein 44 (BRP44), mRNA.	Hs.517768	NM_015415
1.316	MCTP2	Multiple C2 domains, transmembrane 2	Hs.592017	
1.307	SERPINI1	serpin peptidase inhibitor, clade I (neuroserpin), member 1 (SERPINI1), mRNA.	Hs.478153	NM_005025
1.287	CLGN	calmegin (CLGN), mRNA.	Hs.86368	NM_004362
1.285	IGF2BP3	insulin-like growth factor 2 mRNA binding protein 3 (IGF2BP3), mRNA.	Hs.700696	NM_006547
1.277	DYNLT3	dynein, light chain, Tctex-type 3 (DYNLT3), mRNA.	Hs.446392	NM_006520
1.277	FBXL2	F-box and leucine-rich repeat protein 2 (FBXL2), mRNA.	Hs.475872	NM_012157
1.270	TMEM47	transmembrane protein 47 (TMEM47), mRNA.	Hs.8769	NM_031442
1.264	UACA	uveal autoantigen with coiled-coil domains and ankyrin repeats (UACA), transcript variant 1, mRNA.	Hs.108049	NM_018003
1.261	FLJ11151	hypothetical protein FLJ11151 (FLJ11151), transcript variant 2, mRNA.	Hs.460002	NM_001099455
1.259	WNT5B	wingless-type MMTV integration site family, member 5B (WNT5B), transcript variant 2, mRNA.	Hs.306051	NM_030775
1.257	GDF15	growth differentiation factor 15 (GDF15), mRNA.	Hs.616962	NM_004864
1.247	DRP2	dystrophin related protein 2 (DRP2), mRNA.	Hs.159291	NM_001939
1.242	HIST1H2BM	histone cluster 1, H2bm (HIST1H2BM), mRNA.	Hs.182432	NM_003521
1.240	APLP1	amyloid beta (A4) precursor-like protein 1 (APLP1), transcript variant 2, mRNA.	Hs.74565	NM_005166
1.235	TOP1MT	topoisomerase (DNA) I, mitochondrial (TOP1MT), nuclear gene encoding mitochondrial protein, mRNA.	Hs.528574	NM_052963

1.233	PCYOX1	prenylcysteine oxidase 1 (PCYOX1), mRNA.	Hs.591572	NM_016297
1.232	KIAA1370	KIAA1370 (KIAA1370), mRNA.	Hs.152385	NM_019600
1.230	SMURF2	SMAD specific E3 ubiquitin protein ligase 2	Hs.705442	
1.220	SAT1	spermidine/spermine N1-acetyltransferase 1 (SAT1), mRNA.	Hs.28491	NM_002970
1.220	PTPRK	protein tyrosine phosphatase, receptor type, K (PTPRK), mRNA.	Hs.155919	NM_002844
1.219	DLX2	distal-less homeobox 2 (DLX2), mRNA.	Hs.419	NM_004405
1.214	SC4MOL	sterol-C4-methyl oxidase-like (SC4MOL), transcript variant 2, mRNA.	Hs.105269	NM_001017369
1.214	SIN3B	SIN3 homolog B, transcription regulator (yeast) (SIN3B), mRNA.	Hs.13999	NM_015260
1.205	LOC554202	Hypothetical LOC554202, mRNA (cDNA clone MGC:30053 IMAGE:5139119)	Hs.458096	
1.191	PRSS23	protease, serine, 23 (PRSS23), mRNA.	Hs.25338	NM_007173
1.176	NPAL3	NIPA-like domain containing 3 (NPAL3), mRNA.	Hs.523442	NM_020448
1.173	LPIN1	lipin 1 (LPIN1), mRNA.	Hs.467740	NM_145693
1.173	NAV3	Neuron navigator 3	Hs.655301	
1.163	COBLL1	COBL-like 1 (COBLL1), mRNA.	Hs.470457	NM_014900
1.156	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2) (RAC2), mRNA.	Hs.517601	NM_002872
1.154	NT5E	5'-nucleotidase, ecto (CD73) (NT5E), mRNA.	Hs.153952	NM_002526
1.154	PINK1	PTEN induced putative kinase 1 (PINK1), nuclear gene encoding mitochondrial protein, mRNA.	Hs.389171	NM_032409
1.148	CPA4	carboxypeptidase A4 (CPA4), mRNA.	Hs.93764	NM_016352
1.146	TRIM22	tripartite motif-containing 22 (TRIM22), mRNA.	Hs.501778	NM_006074
1.142	LOC728285	PREDICTED: similar to keratin associated protein (LOC728285), mRNA.		XM_001127070
1.140	DAPK1	death-associated protein kinase 1 (DAPK1), mRNA.	Hs.380277	NM_004938
1.140	CTSL1	cathepsin L1 (CTSL1), transcript variant 2, mRNA.	Hs.418123	NM_145918
1.137	LOC654433	CDNA clone IMAGE:4826696	Hs.656660	
1.137	LRRN3	leucine rich repeat neuronal 3 (LRRN3), transcript variant 3, mRNA.	Hs.3781	NM_018334
1.128	IL13RA2	interleukin 13 receptor, alpha 2 (IL13RA2), mRNA.	Hs.336046	NM_000640
1.126	SEMA7A	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group) (SEMA7A), mRNA.	Hs.24640	NM_003612
1.125		CDNA FLJ39162 fis, clone OCBBF2002376	Hs.283851	
1.113	TAC3	tachykinin 3 (neuromedin K, neurokinin beta) (TAC3), transcript variant 2, mRNA.	Hs.9730	NM_013251
1.112	CNIH3	cornichon homolog 3 (Drosophila) (CNIH3), mRNA.	Hs.28659	NM_152495
1.111	UBE2Q1	ubiquitin-conjugating enzyme E2Q (putative) 1 (UBE2Q1), mRNA.	Hs.607928	NM_017582
1.106	IL1R2	interleukin 1 receptor, type II (IL1R2), transcript variant 2, mRNA.	Hs.25333	NM_173343
1.104	AHNAK2	AHNAK nucleoprotein 2 (AHNAK2), mRNA.	Hs.708330	NM_138420
1.102	CYP3A4	cytochrome P450, family 3, subfamily A, polypeptide 4 (CYP3A4), mRNA.	Hs.654391	NM_017460

1.101	AK3L1	Adenylate kinase 3-like 1	Hs.10862	
1.098	SLC20A1	solute carrier family 20 (phosphate transporter), member 1 (SLC20A1), mRNA.	Hs.187946	NM_005415
1.092	hCG_1776018	Hypothetical protein LOC644139	Hs.553909	
1.092	SCG2	secretogranin II (chromogranin C) (SCG2), mRNA.	Hs.516726	NM_003469
1.082	IL18	interleukin 18 (interferon-gamma-inducing factor) (IL18), mRNA.	Hs.83077	NM_001562
1.081	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase) (AKR1B1), mRNA.	Hs.521212	NM_001628
1.077	MCFD2	multiple coagulation factor deficiency 2 (MCFD2), mRNA.	Hs.293689	NM_139279
1.075	PIK3IP1	phosphoinositide-3-kinase interacting protein 1 (PIK3IP1), mRNA.	Hs.26670	NM_052880
1.073	VEGFC	vascular endothelial growth factor C (VEGFC), mRNA.	Hs.435215	NM_005429
1.069	DUSP3	dual specificity phosphatase 3 (DUSP3), mRNA.	Hs.695925	NM_004090
1.060	DHRS7	dehydrogenase/reductase (SDR family) member 7 (DHRS7), mRNA.	Hs.59719	NM_016029
1.057	GSG1	germ cell associated 1 (GSG1), transcript variant 2, mRNA.	Hs.240053	NM_153823
1.051	SLC16A4	solute carrier family 16, member 4 (monocarboxylic acid transporter 5) (SLC16A4), mRNA.	Hs.351306	NM_004696
1.047	NDRG3	NDRG family member 3 (NDRG3), transcript variant 2, mRNA.	Hs.437338	NM_022477
1.047	DHCR7	7-dehydrocholesterol reductase (DHCR7), mRNA.	Hs.503134	NM_001360
1.046	SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, S. cerevisiae)-like (SC5DL), transcript variant 1, mRNA.	Hs.287749	NM_006918
1.045	GPR177	G protein-coupled receptor 177 (GPR177), transcript variant 1, mRNA.	Hs.647659	NM_024911
1.044	SOD2	Superoxide dismutase 2, mitochondrial	Hs.487046	
1.044	BLCAP	bladder cancer associated protein (BLCAP), mRNA.	Hs.472651	NM_006698
1.044	GPER	G protein-coupled estrogen receptor 1 (GPER), transcript variant 4, mRNA.	Hs.20961	NM_001098201
1.042	KRT34	keratin 34 (KRT34), mRNA.	Hs.296942	NM_021013
1.040	GM2A	GM2 ganglioside activator (GM2A), mRNA.	Hs.483873	NM_000405
1.040	FNDC4	fibronectin type III domain containing 4 (FNDC4), mRNA.	Hs.27836	NM_022823
1.039	HOXB5	homeobox B5 (HOXB5), mRNA.	Hs.654456	NM_002147
1.038	PIP4K2C	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma (PIP4K2C), mRNA.	Hs.144502	NM_024779
1.037	DKFZP586H2123	regeneration associated muscle protease (DKFZP586H2123), transcript variant 2, mRNA.	Hs.55044	NM_001001991
1.034	STOML1	stomatin (EPB72)-like 1 (STOML1), mRNA.	Hs.194816	NM_004809
1.033	CRYL1	crystallin, lambda 1 (CRYL1), mRNA.	Hs.370703	NM_015974
1.031	TncRNA	trophoblast-derived noncoding RNA (TncRNA) on chromosome 11.		NR_002802
1.025	ABLIM3	Actin binding LIM protein family, member 3	Hs.49688	
1.024	FAM49A	Family with sequence similarity 49, member A	Hs.467769	
1.024	SLC9A7	solute carrier family 9 (sodium/hydrogen exchanger), member 7 (SLC9A7), mRNA.	Hs.496057	NM_032591

1.023	IFI6	interferon, alpha-inducible protein 6 (IFI6), transcript variant 1, mRNA.	Hs.523847	NM_002038
1.022	N4BP2L2	NEDD4 binding protein 2-like 2 (N4BP2L2), transcript variant 1, mRNA.	Hs.507680	NM_033111
1.021	SEMA6A	Sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	Hs.156967	
1.020		CDNA FLJ30376 fis, clone BRACE2007944	Hs.545023	
1.017	SERINC1	serine incorporator 1 (SERINC1), mRNA.	Hs.146668	NM_020755
1.017	KCNMA1	potassium large conductance calcium-activated channel, subfamily M, alpha member 1 (KCNMA1), transcript variant 2, mRNA.	Hs.144795	NM_002247
1.017	STEAP3	STEAP family member 3 (STEAP3), transcript variant 3, mRNA.	Hs.647822	NM_001008410
1.015	SCN9A	sodium channel, voltage-gated, type IX, alpha subunit (SCN9A), mRNA.	Hs.705382	NM_002977
1.014	ATP6V1A	ATPase, H <sup>+</sup> transporting, lysosomal 70kDa, V1 subunit A	Hs.477155	
1.012	ZMAT3	zinc finger, matrin type 3 (ZMAT3), transcript variant 2, mRNA.	Hs.386299	NM_152240
1.011	SOD2	superoxide dismutase 2, mitochondrial (SOD2), nuclear gene encoding mitochondrial protein, transcript variant 3, mRNA.	Hs.487046	NM_001024466
1.011	DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 (DDX58), mRNA.	Hs.190622	NM_014314
1.008	SERINC3	serine incorporator 3 (SERINC3), transcript variant 1, mRNA.	Hs.272168	NM_006811
1.008	CKB	Creatine kinase, brain	Hs.173724	
1.007	AHCYL2	S-adenosylhomocysteine hydrolase-like 2 (AHCYL2), mRNA.	Hs.600789	NM_015328
1.006	SERINC2	serine incorporator 2 (SERINC2), mRNA.	Hs.270655	NM_178865
1.005	CPE	carboxypeptidase E (CPE), mRNA.	Hs.707992	NM_001873
1.005	GSTM1	Glutathione S-transferase M1	Hs.301961	
1.004	FGF2	fibroblast growth factor 2 (basic) (FGF2), mRNA.	Hs.284244	NM_002006
1.002	SLC22A18	solute carrier family 22, member 18 (SLC22A18), transcript variant 1, mRNA.	Hs.50868	NM_002555
1.002	HIST1H2BG	Histone cluster 1, H2bg	Hs.591809	
1.001	PLEKHN1	pleckstrin homology domain containing, family N member 1 (PLEKHN1), mRNA.	Hs.528691	NM_032129
1.000	TMEM191A	Transmembrane protein 191A	Hs.546454	

## B. Complete list of 338 downregulated genes in replicative senescence

Value	Gene	Description	UniGene	RefSeq
-1.001	TCF4	transcription factor 4 (TCF4), transcript variant 2, mRNA.	Hs.644653	NM_003199
-1.002	CENPO	Centromere protein O	Hs.467898	
-1.004	VGLL3	Vestigial like 3 (Drosophila)	Hs.435013	
-1.004	CACNA1B	calcium channel, voltage-dependent, N type, alpha 1B subunit (CACNA1B), mRNA.	Hs.495522	NM_000718
-1.009	NASP	nuclear autoantigenic sperm protein (histone-binding) (NASP), transcript variant 3, mRNA.	Hs.319334	NM_152298
-1.009		CDNA FLJ11313 fis, clone PLACE1010106, highly similar to Homo sapiens mRNA; cDNA DKFZp586M1418	Hs.633187	
-1.010	DIAPH3	diaphanous homolog 3 (Drosophila) (DIAPH3), transcript variant 2, mRNA.	Hs.283127	NM_030932
-1.011	BEX4	BEX family member 4 (BEX4), mRNA.	Hs.184736	NM_001080425
-1.011	KLHDC5	kelch domain containing 5 (KLHDC5), mRNA.	Hs.505104	NM_020782
-1.013	ELOVL2	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2 (ELOVL2), mRNA.	Hs.656436	NM_017770
-1.014	SAMD11	sterile alpha motif domain containing 11 (SAMD11), mRNA.	Hs.335293	NM_152486
-1.014	CRISPLD2	cysteine-rich secretory protein LCCL domain containing 2 (CRISPLD2), mRNA.	Hs.513779	NM_031476
-1.014	DAB1	Disabled homolog 1 (Drosophila)	Hs.477370	
-1.015	PTGS1	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) (PTGS1), transcript variant 2, mRNA.	Hs.201978	NM_080591
-1.017	GPSM2	G-protein signaling modulator 2 (AGS3-like, C. elegans) (GPSM2), mRNA.	Hs.584901	NM_013296
-1.020	DTYMK	deoxythymidylate kinase (thymidylate kinase) (DTYMK), mRNA.	Hs.471873	NM_012145
-1.020		CDNA FLJ30652 fis, clone DFNES2000011	Hs.592801	
-1.021	RAD54L	RAD54-like (S. cerevisiae) (RAD54L), mRNA.	Hs.706783	NM_003579
-1.021	TRPC6	transient receptor potential cation channel, subfamily C, member 6 (TRPC6), mRNA.	Hs.159003	NM_004621
-1.022	SACS	spastic ataxia of Charlevoix-Saguenay (sacsin) (SACS), mRNA.	Hs.159492	NM_014363
-1.022	GINS3	GINS complex subunit 3 (Psf3 homolog) (GINS3), mRNA.	Hs.47125	NM_022770
-1.022	H2AFX	H2A histone family, member X (H2AFX), mRNA.	Hs.477879	NM_002105
-1.023	C13orf27	chromosome 13 open reading frame 27 (C13orf27), mRNA.	Hs.398111	NM_138779
-1.024	HIST2H2AA3	histone cluster 2, H2aa3 (HIST2H2AA3), mRNA.	Hs.530461	NM_003516
-1.026	CDCA4	cell division cycle associated 4 (CDCA4), transcript variant 13, mRNA.	Hs.34045	NM_017955
-1.027	LOC645561	PREDICTED: Homo sapiens hypothetical LOC645561 (LOC645561), mRNA	Hs.527211	
-1.028	DEK	DEK oncogene (DNA binding) (DEK), mRNA.	Hs.695957	NM_003472
-1.029	C1R	complement component 1, r subcomponent (C1R), mRNA.	Hs.524224	NM_001733

-1.030	FAM102B	Family with sequence similarity 102, member B	Hs.200230	
-1.031		CDNA FLJ12853 fis, clone NT2RP2003456	Hs.594569	
-1.032	QSER1	glutamine and serine rich 1 (QSER1), mRNA.	Hs.369368	NM_001076786
-1.035	LSM5	LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae) (LSM5), mRNA.	Hs.424908	NM_012322
-1.036	ECT2	epithelial cell transforming sequence 2 oncogene (ECT2), mRNA.	Hs.518299	NM_018098
-1.037	POLE	polymerase (DNA directed), epsilon (POLE), mRNA.	Hs.524871	NM_006231
-1.043	DLEU2	Deleted in lymphocytic leukemia, 2	Hs.547964	
-1.043	RRM2	ribonucleotide reductase M2 polypeptide (RRM2), mRNA.	Hs.226390	NM_001034
-1.044	TCF3	transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47) (TCF3), mRNA.	Hs.371282	NM_003200
-1.045		CDNA FLJ11405 fis, clone HEMBA1000769	Hs.661311	
-1.049	CKAP2	cytoskeleton associated protein 2 (CKAP2), transcript variant 1, mRNA.	Hs.444028	NM_018204
-1.052		Clone 23636 mRNA sequence	Hs.66163	
-1.052	RFC2	replication factor C (activator 1) 2, 40kDa (RFC2), transcript variant 2, mRNA.	Hs.647062	NM_002914
-1.053	CCNI	cyclin I (CCNI), mRNA.	Hs.518827	NM_006835
-1.054	ARHGAP28	Rho GTPase activating protein 28 (ARHGAP28), transcript variant 2, mRNA.	Hs.183114	NM_030672
-1.059	SMC2	structural maintenance of chromosomes 2 (SMC2), transcript variant 3, mRNA.	Hs.119023	NM_006444
-1.060	PTMA	Prothymosin, alpha (gene sequence 28)	Hs.459927	
-1.062	SMCHD1	structural maintenance of chromosomes flexible hinge domain containing 1 (SMCHD1), mRNA.	Hs.8118	NM_015295
-1.064	MCM8	minichromosome maintenance complex component 8 (MCM8), transcript variant 1, mRNA.	Hs.631506	NM_032485
-1.064	SIX1	SIX homeobox 1 (SIX1), mRNA.	Hs.633506	NM_005982
-1.066		MRNA from chromosome 5q31-33 region	Hs.387207	
-1.067	RPL36A	ribosomal protein L36a (RPL36A), mRNA.	Hs.432485	NM_021029
-1.068	CCBL2	cysteine conjugate-beta lyase 2 (CCBL2), transcript variant 3, mRNA.	Hs.481898	NM_019610
-1.068	CTDSPL2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase like 2 (CTDSPL2), mRNA.	Hs.497967	NM_016396
-1.071	CDH13	cadherin 13, H-cadherin (heart) (CDH13), mRNA.	Hs.654386	NM_001257
-1.072	OIP5	Opa interacting protein 5 (OIP5), mRNA.	Hs.661645	NM_007280
-1.076	F2RL1	coagulation factor II (thrombin) receptor-like 1 (F2RL1), mRNA.	Hs.154299	NM_005242
-1.079	PKMYT1	Protein kinase, membrane associated tyrosine/threonine 1	Hs.77783	
-1.082	CCDC111	coiled-coil domain containing 111 (CCDC111), mRNA.	Hs.481307	NM_152683
-1.083	NCAPG2	non-SMC condensin II complex, subunit G2 (NCAPG2), mRNA.	Hs.18616	NM_017760
-1.084	RHOBTB3	Rho-related BTB domain containing 3 (RHOBTB3), mRNA.	Hs.445030	NM_014899
-1.085	TOPBP1	topoisomerase (DNA) II binding protein 1 (TOPBP1), mRNA.	Hs.53454	NM_007027
-1.085	CDC7	cell division cycle 7 homolog (S. cerevisiae) (CDC7), mRNA.	Hs.533573	NM_003503



-1.085	CDH2	cadherin 2, type 1, N-cadherin (neuronal) (CDH2), mRNA.	Hs.464829	NM_001792
-1.090	PZP	pregnancy-zone protein (PZP), mRNA.	Hs.212838	NM_002864
-1.091	TROAP	trophinin associated protein (tastin) (TROAP), transcript variant 1, mRNA.	Hs.524399	NM_005480
-1.093	CCNE2	cyclin E2 (CCNE2), mRNA.	Hs.567387	NM_057749
-1.094	MCM4	minichromosome maintenance complex component 4 (MCM4), transcript variant 2, mRNA.	Hs.460184	NM_182746
-1.095	C13orf3	chromosome 13 open reading frame 3 (C13orf3), mRNA.	Hs.88523	NM_145061
-1.097	NUSAP1	nucleolar and spindle associated protein 1 (NUSAP1), transcript variant 2, mRNA.	Hs.615092	NM_018454
-1.101	PKIA	protein kinase (cAMP-dependent, catalytic) inhibitor alpha (PKIA), transcript variant 7, mRNA.	Hs.433700	NM_181839
-1.103	PTMA	prothymosin, alpha (gene sequence 28) (PTMA), transcript variant 2, mRNA.	Hs.459927	NM_002823
-1.104	PDS5B	PDS5, regulator of cohesion maintenance, homolog B ( <i>S. cerevisiae</i> ) (PDS5B), mRNA.	Hs.708081	NM_015032
-1.105	BUB1	BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast) (BUB1), mRNA.	Hs.469649	NM_004336
-1.105	NR4A2	nuclear receptor subfamily 4, group A, member 2 (NR4A2), transcript variant 4, mRNA.	Hs.563344	NM_173173
-1.106	LOC1720	Dihydrofolate reductase pseudogene (psi-hd1)	Hs.169235	
-1.108	MXD3	MAX dimerization protein 3 (MXD3), mRNA.	Hs.702195	NM_031300
-1.109	FAM111B	family with sequence similarity 111, member B (FAM111B), mRNA.	Hs.186579	NM_198947
-1.109		Uncharacterized gastric protein ZA32P	Hs.675123	
-1.109	ANLN	anillin, actin binding protein (ANLN), mRNA.	Hs.62180	NM_018685
-1.110	RNASEH2B	ribonuclease H2, subunit B (RNASEH2B), mRNA.	Hs.306291	NM_024570
-1.111	CHRM2	cholinergic receptor, muscarinic 2 (CHRM2), transcript variant 8, mRNA.	Hs.535891	NM_001006629
-1.112		CDNA FLJ12196 fis, clone MAMMA1000867	Hs.659733	
-1.115	CDCA7L	cell division cycle associated 7-like (CDCA7L), mRNA.	Hs.520245	NM_018719
-1.117	RACGAP1P	Rac GTPase activating protein 1 pseudogene	Hs.650500	
-1.124	MYLK	myosin light chain kinase (MYLK), transcript variant 7, mRNA.	Hs.556600	NM_053031
-1.125	NEK2	NIMA (never in mitosis gene a)-related kinase 2 (NEK2), mRNA.	Hs.153704	NM_002497
-1.127	MARCKS	myristoylated alanine-rich protein kinase C substrate (MARCKS), mRNA.	Hs.519909	NM_002356
-1.128	SMC2	structural maintenance of chromosomes 2 (SMC2), transcript variant 3, mRNA.	Hs.119023	NM_006444
-1.128	CENPJ	centromere protein J (CENPJ), mRNA.	Hs.513379	NM_018451
-1.129	PSRC1	proline/serine-rich coiled-coil 1 (PSRC1), transcript variant 2, mRNA.	Hs.405925	NM_001005290
-1.129	KIF23	kinesin family member 23 (KIF23), transcript variant 2, mRNA.	Hs.270845	NM_004856
-1.130	SHCBP1	SHC SH2-domain binding protein 1 (SHCBP1), mRNA.	Hs.123253	NM_024745
-1.130	ZWILCH	Zwilch, kinetochore associated, homolog ( <i>Drosophila</i> ) (ZWILCH), transcript variant 1, mRNA.	Hs.21331	NM_017975
-1.132	RSBN1L	CDNA clone IMAGE:4791585	Hs.72451	
-1.133	LMNB2	lamin B2 (LMNB2), mRNA.	Hs.538286	NM_032737

-1.133	RACGAP1	Rac GTPase activating protein 1 (RACGAP1), mRNA.	Hs.708122	NM_013277
-1.133	TCF4	transcription factor 4 (TCF4), transcript variant 2, mRNA.	Hs.644653	NM_003199
-1.134	POLA1	polymerase (DNA directed), alpha 1 (POLA1), mRNA.	Hs.567319	NM_016937
-1.140	SGK1	serum/glucocorticoid regulated kinase 1 (SGK1), mRNA.	Hs.510078	NM_005627
-1.140	H2AFZ	H2A histone family, member Z (H2AFZ), mRNA.	Hs.119192	NM_002106
-1.142	CDCA3	cell division cycle associated 3 (CDCA3), mRNA.	Hs.524216	NM_031299
-1.143	DUT	deoxyuridine triphosphatase (DUT), nuclear gene encoding mitochondrial protein, transcript variant 3, mRNA.	Hs.527980	NM_001025249
-1.144	KITLG	KIT ligand (KITLG), transcript variant b, mRNA.	Hs.1048	NM_000899
-1.145	CCDC109B	coiled-coil domain containing 109B (CCDC109B), mRNA.	Hs.234149	NM_017918
-1.147	EXOSC9	exosome component 9 (EXOSC9), transcript variant 2, mRNA.	Hs.91728	NM_005033
-1.147	SMCHD1	structural maintenance of chromosomes flexible hinge domain containing 1 (SMCHD1), mRNA.	Hs.8118	NM_015295
-1.156	FAM83D	family with sequence similarity 83, member D (FAM83D), mRNA.	Hs.472716	NM_030919
-1.157	MEIS1	Meis homeobox 1 (MEIS1), mRNA.	Hs.526754	NM_002398
-1.158	E2F8	E2F transcription factor 8 (E2F8), mRNA.	Hs.523526	NM_024680
-1.161	MME	membrane metallo-endopeptidase (MME), transcript variant 1bis, mRNA.	Hs.307734	NM_007287
-1.163	IL11	interleukin 11 (IL11), mRNA.	Hs.467304	NM_000641
-1.164	C10orf119	chromosome 10 open reading frame 119 (C10orf119), mRNA.	Hs.124246	NM_024834
-1.165	LOC389831	CDNA: FLJ23285 fis, clone HEP09071	Hs.389638	
-1.167	CENPK	centromere protein K (CENPK), mRNA.	Hs.529778	NM_022145
-1.169	BIRC5	baculoviral IAP repeat-containing 5 (survivin) (BIRC5), transcript variant 2, mRNA.	Hs.514527	NM_001012270
-1.171	ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	Hs.584803	
-1.171	ELN	elastin (supravalvular aortic stenosis, Williams-Beuren syndrome) (ELN), transcript variant 2, mRNA.	Hs.647061	NM_001081752
-1.174	CENPH	centromere protein H (CENPH), mRNA.	Hs.631967	NM_022909
-1.174	LMNB2	Lamin B2		
-1.175	KNTC1	kinetochore associated 1 (KNTC1), mRNA.	Hs.300559	NM_014708
-1.175	CDCA2	cell division cycle associated 2 (CDCA2), mRNA.	Hs.33366	NM_152562
-1.176	FBXO4	F-box protein 4 (FBXO4), transcript variant 1, mRNA.	Hs.165575	NM_012176
-1.177	COLEC10	collectin sub-family member 10 (C-type lectin) (COLEC10), mRNA.	Hs.176615	NM_006438
-1.181	SPAG5	sperm associated antigen 5 (SPAG5), mRNA.	Hs.514033	NM_006461
-1.183	STOX2	storkhead box 2 (STOX2), mRNA.	Hs.696657	NM_020225
-1.184	PCOLCE	procollagen C-endopeptidase enhancer (PCOLCE), mRNA.	Hs.202097	NM_002593
-1.185	CENPN	centromere protein N (CENPN), transcript variant 2, mRNA.	Hs.55028	NM_001100624
-1.187	HSPA2	heat shock 70kDa protein 2 (HSPA2), mRNA.	Hs.432648	NM_021979

-1.189	DNA2	DNA replication helicase 2 homolog (yeast) (DNA2), mRNA.	Hs.532446	NM_001080449
-1.193	GREM1	gremlin 1, cysteine knot superfamily, homolog ( <i>Xenopus laevis</i> ) (GREM1), mRNA.	Hs.40098	NM_013372
-1.196	FERMT2	fermitin family homolog 2 ( <i>Drosophila</i> ) (FERMT2), mRNA.	Hs.509343	NM_006832
-1.201	SALL1	sal-like 1 ( <i>Drosophila</i> ) (SALL1), mRNA.	Hs.135787	NM_002968
-1.202	CDC25A	cell division cycle 25 homolog A ( <i>S. pombe</i> ) (CDC25A), transcript variant 2, mRNA.	Hs.437705	NM_201567
-1.205	CKS2	CDC28 protein kinase regulatory subunit 2 (CKS2), mRNA.	Hs.83758	NM_001827
-1.209	PRKD3	protein kinase D3 (PRKD3), mRNA.	Hs.696257	NM_005813
-1.210	FST	follistatin (FST), transcript variant FST317, mRNA.	Hs.9914	NM_006350
-1.211	C13orf15	chromosome 13 open reading frame 15 (C13orf15), mRNA.	Hs.507866	NM_014059
-1.214	ARHGAP11A	Rho GTPase activating protein 11A (ARHGAP11A), transcript variant 1, mRNA.	Hs.591130	NM_014783
-1.216	NCAPH2	non-SMC condensin II complex, subunit H2 (NCAPH2), transcript variant 2, mRNA.	Hs.180903	NM_152299
-1.220	PDGFD	platelet derived growth factor D (PDGFD), transcript variant 2, mRNA.	Hs.352298	NM_033135
-1.221	MMD	monocyte to macrophage differentiation-associated (MMD), mRNA.	Hs.463483	NM_012329
-1.223	UBE2T	ubiquitin-conjugating enzyme E2T (putative) (UBE2T), mRNA.	Hs.5199	NM_014176
-1.224	ATP2B1	ATPase, Ca <sup>++</sup> transporting, plasma membrane 1 (ATP2B1), transcript variant 2, mRNA.	Hs.506276	NM_001682
-1.224	HIST1H2AL	histone cluster 1, H2al (HIST1H2AL), mRNA.	Hs.233568	NM_003511
-1.228	H2AFV	H2A histone family, member V (H2AFV), transcript variant 2, mRNA.	Hs.488189	NM_138635
-1.228	HMMR	hyaluronan-mediated motility receptor (RHAMM) (HMMR), transcript variant 2, mRNA.	Hs.72550	NM_012485
-1.231	CLEC14A	C-type lectin domain family 14, member A	Hs.525307	
-1.234	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1) (CDKN1B), mRNA.	Hs.238990	NM_004064
-1.236	CENPQ	centromere protein Q (CENPQ), mRNA.	Hs.88663	NM_018132
-1.238	CENPA	centromere protein A (CENPA), transcript variant 2, mRNA.	Hs.1594	NM_001042426
-1.240	MCM6	minichromosome maintenance complex component 6 (MCM6), mRNA.	Hs.444118	NM_005915
-1.242	SERPINH1	serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1) (SERPINH1), mRNA.	Hs.596449	NM_001235
-1.242	RBBP8	retinoblastoma binding protein 8 (RBBP8), transcript variant 3, mRNA.	Hs.546282	NM_203292
-1.247	CCDC45	coiled-coil domain containing 45 (CCDC45), mRNA.	Hs.569713	NM_138363
-1.248	GINS2	GINS complex subunit 2 (Psf2 homolog) (GINS2), mRNA.	Hs.433180	NM_016095
-1.250	PLK1	polo-like kinase 1 ( <i>Drosophila</i> ) (PLK1), mRNA.	Hs.592049	NM_005030
-1.250	NTN4	netrin 4 (NTN4), mRNA.	Hs.201034	NM_021229
-1.252	HELLS	helicase, lymphoid-specific (HELLS), mRNA.	Hs.655830	NM_018063
-1.254	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP <sup>+</sup> dependent) 2, methylenetetrahydrofolate cyclohydrolase (MTHFD2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA.	Hs.469030	NM_006636
-1.255	EDNRB	endothelin receptor type B (EDNRB), transcript variant 1, mRNA.	Hs.82002	NM_000115

-1.255	LDB2	LIM domain binding 2 (LDB2), mRNA.	Hs.23748	NM_001290
-1.255	ATAD2	ATPase family, AAA domain containing 2 (ATAD2), mRNA.	Hs.370834	NM_014109
-1.256	GRK5	G protein-coupled receptor kinase 5 (GRK5), mRNA.	Hs.524625	NM_005308
-1.256	C14orf145	chromosome 14 open reading frame 145 (C14orf145), mRNA.	Hs.162889	NM_152446
-1.256	PHF10	PHD finger protein 10 (PHF10), transcript variant 2, mRNA.	Hs.435933	NM_133325
-1.258	WDR76	WD repeat domain 76 (WDR76), mRNA.	Hs.250154	NM_024908
-1.259	C12orf48	chromosome 12 open reading frame 48 (C12orf48), mRNA.	Hs.330663	NM_017915
-1.260	LBH	limb bud and heart development homolog (mouse) (LBH), mRNA.	Hs.567598	NM_030915
-1.260	CENPM	centromere protein M (CENPM), transcript variant 3, mRNA.	Hs.208912	NM_001110215
-1.261	MKI67	antigen identified by monoclonal antibody Ki-67 (MKI67), mRNA.	Hs.80976	NM_002417
-1.261	SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2 (SLC7A2), transcript variant 2, mRNA.	Hs.448520	NM_001008539
-1.264	TPX2	TPX2, microtubule-associated, homolog (Xenopus laevis) (TPX2), mRNA.	Hs.244580	NM_012112
-1.265	PRRX2	paired related homeobox 2 (PRRX2), mRNA.	Hs.660115	NM_016307
-1.277	TNFSF4	tumor necrosis factor (ligand) superfamily, member 4 (tax-transcriptionally activated glycoprotein 1, 34kDa) (TNFSF4), mRNA.	Hs.181097	NM_003326
-1.280	KIF22	kinesin family member 22 (KIF22), mRNA.	Hs.613351	NM_007317
-1.281	SGOL2	shugoshin-like 2 (S. pombe) (SGOL2), mRNA.	Hs.655182	NM_152524
-1.283	TCF21	transcription factor 21 (TCF21), transcript variant 2, mRNA.	Hs.78061	NM_003206
-1.283	GREM2	gremlin 2, cysteine knot superfamily, homolog (Xenopus laevis) (GREM2), mRNA.	Hs.98206	NM_022469
-1.289	DEPDC1	DEP domain containing 1 (DEPDC1), transcript variant 2, mRNA.	Hs.445098	NM_017779
-1.290	EMILIN2	elastin microfibril interfacier 2 (EMILIN2), mRNA.	Hs.532815	NM_032048
-1.292	FOXM1	forkhead box M1 (FOXM1), transcript variant 3, mRNA.	Hs.239	NM_202003
-1.297	ZNF524	zinc finger protein 524 (ZNF524), mRNA.	Hs.440291	NM_153219
-1.298	SPINK2	serine peptidase inhibitor, Kazal type 2 (acrosin-trypsin inhibitor) (SPINK2), mRNA.	Hs.98243	NM_021114
-1.301	COL3A1	Collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)	Hs.443625	
-1.303	LRRCC1	leucine rich repeat and coiled-coil domain containing 1 (LRRCC1), transcript variant 2, mRNA.	Hs.193115	NM_001077501
-1.303	CBS	cystathionine-beta-synthase (CBS), mRNA.	Hs.533013	NM_000071
-1.307	TMPO	thymopoietin (TMPO), transcript variant 1, mRNA.	Hs.11355	NM_003276
-1.308	PELI2	pellino homolog 2 (Drosophila) (PELI2), mRNA.	Hs.657926	NM_021255
-1.308		CDNA FLJ11381 fis, clone HEMBA1000501	Hs.463677	
-1.310	OLFM2	olfactomedin 2 (OLFM2), mRNA.	Hs.169743	NM_058164
-1.311	PBK	PDZ binding kinase (PBK), mRNA.	Hs.104741	NM_018492
-1.311		CDNA FLJ20134 fis, clone COL06604	Hs.675416	

-1.311	CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1 (CYP1B1), mRNA.	Hs.154654	NM_000104
-1.312	CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) (CDKN2C), transcript variant 2, mRNA.	Hs.525324	NM_078626
-1.318	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2 (RPS6KA2), transcript variant 2, mRNA.	Hs.655277	NM_001006932
-1.319	KIAA1524	KIAA1524 (KIAA1524), mRNA.	Hs.591308	NM_020890
-1.322	KIF11	kinesin family member 11 (KIF11), mRNA.	Hs.8878	NM_004523
-1.331	MEF2A	Myocyte enhancer factor 2A	Hs.268675	
-1.332	THBS2	Thrombospondin 2	Hs.371147	
-1.332	LUM	lumican (LUM), mRNA.	Hs.406475	NM_002345
-1.333	MYH10	myosin, heavy chain 10, non-muscle (MYH10), mRNA.	Hs.16355	NM_005964
-1.337	ATAD2	ATPase family, AAA domain containing 2 (ATAD2), mRNA.	Hs.370834	NM_014109
-1.337	TSPAN12	tetraspanin 12 (TSPAN12), mRNA.	Hs.16529	NM_012338
-1.338	TNFAIP6	tumor necrosis factor, alpha-induced protein 6 (TNFAIP6), mRNA.	Hs.437322	NM_007115
-1.340	C1orf112	chromosome 1 open reading frame 112 (C1orf112), mRNA.	Hs.443551	NM_018186
-1.342	HMGB1	high-mobility group box 1 (HMGB1), mRNA.	Hs.434102	NM_002128
-1.350	KLHL23	Kelch-like 23 (Drosophila)	Hs.655150	
-1.351	PBX1	Pre-B-cell leukemia homeobox 1	Hs.654412	
-1.354	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2 (RPS6KA2), transcript variant 2, mRNA.	Hs.655277	NM_001006932
-1.354	CCNB2	cyclin B2 (CCNB2), mRNA.	Hs.194698	NM_004701
-1.355	COL4A1	collagen, type IV, alpha 1 (COL4A1), mRNA.	Hs.17441	NM_001845
-1.356		Human DNA sequence from clone 170F5 on chromosome Xq22.3-24. Contains an HMG1 (high-mobility group (		
-1.359	PRIM1	primase, DNA, polypeptide 1 (49kDa) (PRIM1), mRNA.	Hs.534339	NM_000946
-1.359	MCM10	minichromosome maintenance complex component 10 (MCM10), transcript variant 2, mRNA.	Hs.198363	NM_018518
-1.359		CDNA FLJ25399 fis, clone TST02783	Hs.511432	
-1.360	CCL2	chemokine (C-C motif) ligand 2 (CCL2), mRNA.	Hs.303649	NM_002982
-1.361	ARL5B	ADP-ribosylation factor-like 5B (ARL5B), mRNA.	Hs.25362	NM_178815
-1.366	NCAPG	non-SMC condensin I complex, subunit G (NCAPG), mRNA.	Hs.567567	NM_022346
-1.367	GMNN	geminin, DNA replication inhibitor (GMNN), mRNA.	Hs.234896	NM_015895
-1.368	DLG7	discs, large homolog 7 (Drosophila) (DLG7), mRNA.	Hs.77695	NM_014750
-1.369	TCF19	transcription factor 19 (SC1) (TCF19), transcript variant 2, mRNA.	Hs.584807	NM_001077511
-1.378	SOCS1	suppressor of cytokine signaling 1 (SOCS1), mRNA.	Hs.50640	NM_003745
-1.382	KIF2C	kinesin family member 2C (KIF2C), mRNA.	Hs.69360	NM_006845
-1.384		CDNA FLJ10230 fis, clone HEMBB1000215	Hs.655535	
-1.384		CDNA FLJ13419 fis, clone PLACE1002115	Hs.656728	

-1.391		Human DNA sequence from clone 38C16 on chromosome 6q22.33-24.1. Contains GAPD (glyceraldehyde 3-phos		
-1.399	TMEM155	transmembrane protein 155 (TMEM155), mRNA.	Hs.27524	NM_152399
-1.404	MELK	maternal embryonic leucine zipper kinase (MELK), mRNA.	Hs.184339	NM_014791
-1.412	HIST1H4A	Histone cluster 1, H4a	Hs.248178	
-1.414	LOC91461	hypothetical protein BC007901 (LOC91461), mRNA.	Hs.408542	NM_138370
-1.416	NNMT	nicotinamide N-methyltransferase (NNMT), mRNA.	Hs.503911	NM_006169
-1.417	HELLS	Helicase, lymphoid-specific	Hs.655830	
-1.418	SGCE	sarcoglycan, epsilon (SGCE), transcript variant 2, mRNA.	Hs.371199	NM_003919
-1.421	CEP55	centrosomal protein 55kDa (CEP55), mRNA.	Hs.14559	NM_018131
-1.432	PRC1	protein regulator of cytokinesis 1 (PRC1), transcript variant 3, mRNA.	Hs.567385	NM_199414
-1.433	MPHOSPH1	M-phase phosphoprotein 1 (MPHOSPH1), mRNA.	Hs.240	NM_016195
-1.436	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide (PDGFRA), mRNA.	Hs.74615	NM_006206
-1.437	CDKN3	cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase) (CDKN3), mRNA.	Hs.84113	NM_005192
-1.438	RFC4	replication factor C (activator 1) 4, 37kDa (RFC4), transcript variant 2, mRNA.	Hs.518475	NM_181573
-1.458	PDE7B	phosphodiesterase 7B (PDE7B), mRNA.	Hs.652367	NM_018945
-1.458	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin) (TNFRSF11B), mRNA.	Hs.81791	NM_002546
-1.459	PPAP2B	phosphatidic acid phosphatase type 2B (PPAP2B), transcript variant 2, mRNA.	Hs.708050	NM_177414
-1.465	CENPE	centromere protein E, 312kDa (CENPE), mRNA.	Hs.75573	NM_001813
-1.466	MCM3	minichromosome maintenance complex component 3 (MCM3), mRNA.	Hs.179565	NM_002388
-1.467	SCARA3	scavenger receptor class A, member 3 (SCARA3), transcript variant 1, mRNA.	Hs.128856	NM_016240
-1.467	MLF1IP	MLF1 interacting protein (MLF1IP), mRNA.	Hs.575032	NM_024629
-1.470	KIFC1	kinesin family member C1 (KIFC1), mRNA.	Hs.436912	NM_002263
-1.481	PBX1	pre-B-cell leukemia homeobox 1 (PBX1), mRNA.	Hs.654412	NM_002585
-1.481	NETO2	neuropilin (NRP) and tolloid (TLL)-like 2 (NETO2), mRNA.	Hs.444046	NM_018092
-1.482	PHLDB2	pleckstrin homology-like domain, family B, member 2 (PHLDB2), mRNA.	Hs.477114	NM_145753
-1.484	FOS	v-fos FBJ murine osteosarcoma viral oncogene homolog (FOS), mRNA.	Hs.25647	NM_005252
-1.484	EXO1	exonuclease 1 (EXO1), transcript variant 3, mRNA.	Hs.498248	NM_003686
-1.490	CTSK	cathepsin K (CTSK), mRNA.	Hs.632466	NM_000396
-1.491		CDNA FLJ10176 fis, clone HEMBA1004074	Hs.675448	
-1.500	HIST1H3J	histone cluster 1, H3j (HIST1H3J), mRNA.	Hs.484990	NM_003535
-1.503	C5orf13	chromosome 5 open reading frame 13 (C5orf13), mRNA.	Hs.36053	NM_004772
-1.507	ACTA2	actin, alpha 2, smooth muscle, aorta (ACTA2), mRNA.	Hs.500483	NM_001613

-1.511	RARRES2	retinoic acid receptor responder (tazarotene induced) 2 (RARRES2), mRNA.	Hs.647064	NM_002889
-1.511	CENPF	centromere protein F, 350/400ka (mitosin) (CENPF), mRNA.	Hs.497741	NM_016343
-1.519	KIF15	kinesin family member 15 (KIF15), mRNA.	Hs.658939	NM_020242
-1.524	HNMT	histamine N-methyltransferase (HNMT), transcript variant 1, mRNA.	Hs.42151	NM_006895
-1.526	RASSF2	Ras association (RalGDS/AF-6) domain family member 2 (RASSF2), transcript variant 2, mRNA.	Hs.631504	NM_170774
-1.533	LBR	lamin B receptor (LBR), transcript variant 2, mRNA.	Hs.435166	NM_194442
-1.542	BUB1B	BUB1 budding uninhibited by benzimidazoles 1 homolog beta (yeast) (BUB1B), mRNA.	Hs.631699	NM_001211
-1.545	BRCA2	breast cancer 2, early onset (BRCA2), mRNA.	Hs.34012	NM_000059
-1.550	ASNS	asparagine synthetase (ASNS), transcript variant 2, mRNA.	Hs.489207	NM_001673
-1.557	RGS2	regulator of G-protein signaling 2, 24kDa (RGS2), mRNA.	Hs.78944	NM_002923
-1.559	ITGA1	integrin, alpha 1 (ITGA1), mRNA.	Hs.696076	NM_181501
-1.566	KIF18A	kinesin family member 18A (KIF18A), mRNA.	Hs.301052	NM_031217
-1.569	C18orf24	chromosome 18 open reading frame 24 (C18orf24), transcript variant 2, mRNA.	Hs.134726	NM_145060
-1.575	ADAMTS7	ADAM metalloproteinase with thrombospondin type 1 motif, 7 (ADAMTS7), mRNA.	Hs.16441	NM_014272
-1.576	CTGF	connective tissue growth factor (CTGF), mRNA.	Hs.591346	NM_001901
-1.577	TGFBR1	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa) (TGFBR1), mRNA.	Hs.494622	NM_004612
-1.582	USP1	ubiquitin specific peptidase 1 (USP1), transcript variant 3, mRNA.	Hs.35086	NM_001017416
-1.586	ZNF22	zinc finger protein 22 (KOX 15) (ZNF22), mRNA.	Hs.462693	NM_006963
-1.593	C14orf106	chromosome 14 open reading frame 106 (C14orf106), mRNA.	Hs.437941	NM_018353
-1.625	ACTG2	actin, gamma 2, smooth muscle, enteric (ACTG2), mRNA.	Hs.516105	NM_001615
-1.628	KIF14	kinesin family member 14 (KIF14), mRNA.	Hs.3104	NM_014875
-1.638	DLL4	delta-like 4 (Drosophila) (DLL4), mRNA.	Hs.511076	NM_019074
-1.651	LMCD1	LIM and cysteine-rich domains 1 (LMCD1), mRNA.	Hs.475353	NM_014583
-1.651	FBXO5	F-box protein 5 (FBXO5), mRNA.	Hs.708125	NM_012177
-1.657	HIST1H2AJ	histone cluster 1, H2aj (HIST1H2AJ), mRNA.	Hs.406691	NM_021066
-1.666	CASP1	caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase) (CASP1), transcript variant epsilon, mRNA.	Hs.2490	NM_033295
-1.676	IL1R1	interleukin 1 receptor, type I (IL1R1), mRNA.	Hs.701982	NM_000877
-1.681	IGFBP3	insulin-like growth factor binding protein 3 (IGFBP3), transcript variant 2, mRNA.	Hs.450230	NM_000598
-1.682	COLEC12	collectin sub-family member 12 (COLEC12), mRNA.	Hs.464422	NM_130386
-1.692	HMGB2	high-mobility group box 2 (HMGB2), mRNA.	Hs.434953	NM_002129
-1.693	GPC6	glypican 6 (GPC6), mRNA.	Hs.444329	NM_005708
-1.707	C11orf82	chromosome 11 open reading frame 82 (C11orf82), mRNA.	Hs.165607	NM_145018

-1.707	ARHGAP28	Rho GTPase activating protein 28 (ARHGAP28), transcript variant 1, mRNA.	Hs.183114	NM_001010000
-1.718	SLFN11	schlafen family member 11 (SLFN11), transcript variant 5, mRNA.	Hs.462829	NM_152270
-1.720	DSCC1	defective in sister chromatid cohesion 1 homolog (S. cerevisiae) (DSCC1), mRNA.	Hs.315167	NM_024094
-1.721	PLK4	polo-like kinase 4 (Drosophila) (PLK4), mRNA.	Hs.172052	NM_014264
-1.750	TGFBR1	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa) (TGFBR1), mRNA.	Hs.494622	NM_004612
-1.755	KCNK2	potassium channel, subfamily K, member 2 (KCNK2), transcript variant 2, mRNA.	Hs.497745	NM_014217
-1.763	ID4	inhibitor of DNA binding 4, dominant negative helix-loop-helix protein (ID4), mRNA.	Hs.519601	NM_001546
-1.779	KLF9	Kruppel-like factor 9 (KLF9), mRNA.	Hs.150557	NM_001206
-1.782	HIST1H1D	histone cluster 1, H1d (HIST1H1D), mRNA.	Hs.136857	NM_005320
-1.789	C9orf19	chromosome 9 open reading frame 19 (C9orf19), mRNA.	Hs.493819	NM_022343
-1.808	TOP2A	topoisomerase (DNA) II alpha 170kDa (TOP2A), mRNA.	Hs.156346	NM_001067
-1.810	SOCS2	suppressor of cytokine signaling 2 (SOCS2), mRNA.	Hs.485572	NM_003877
-1.813	NUF2	NUF2, NDC80 kinetochore complex component, homolog (S. cerevisiae) (NUF2), transcript variant 2, mRNA.	Hs.651950	NM_031423
-1.815	PCDH18	protocadherin 18 (PCDH18), mRNA.	Hs.591691	NM_019035
-1.827	SLC2A5	solute carrier family 2 (facilitated glucose/fructose transporter), member 5 (SLC2A5), mRNA.	Hs.530003	NM_003039
-1.827	SPOCK1	Sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Hs.654695	
-1.845	ASPM	asp (abnormal spindle) homolog, microcephaly associated (Drosophila) (ASPM), mRNA.	Hs.121028	NM_018136
-1.853	CCNA2	cyclin A2 (CCNA2), mRNA.	Hs.58974	NM_001237
-1.857	VCAN	versican (VCAN), mRNA.	Hs.695930	NM_004385
-1.882	SMC4	structural maintenance of chromosomes 4 (SMC4), transcript variant 2, mRNA.	Hs.58992	NM_001002800
-1.885	ASPM	asp (abnormal spindle) homolog, microcephaly associated (Drosophila) (ASPM), mRNA.	Hs.121028	NM_018136
-1.889	FAM64A	family with sequence similarity 64, member A (FAM64A), mRNA.	Hs.592116	NM_019013
-1.892	IGFBP5	insulin-like growth factor binding protein 5 (IGFBP5), mRNA.	Hs.635441	NM_000599
-1.898	PTGER2	prostaglandin E receptor 2 (subtype EP2), 53kDa (PTGER2), mRNA.	Hs.2090	NM_000956
-1.922	EDNRA	endothelin receptor type A (EDNRA), mRNA.	Hs.183713	NM_001957
-1.934	VLDLR	very low density lipoprotein receptor (VLDLR), transcript variant 2, mRNA.	Hs.370422	NM_001018056
-1.940	COL3A1	collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant) (COL3A1), mRNA.	Hs.443625	NM_000090
-1.958	SRGN	serglycin (SRGN), mRNA.	Hs.1908	NM_002727
-1.991	TNFRSF19	tumor necrosis factor receptor superfamily, member 19 (TNFRSF19), transcript variant 2, mRNA.	Hs.149168	NM_148957
-2.037	CDC2	cell division cycle 2, G1 to S and G2 to M (CDC2), transcript variant 2, mRNA.	Hs.334562	NM_033379
-2.051	C6orf32	chromosome 6 open reading frame 32 (C6orf32), transcript variant 1, mRNA.	Hs.559459	NM_014722
-2.056	CEBPD	CCAAT/enhancer binding protein (C/EBP), delta (CEBPD), mRNA.	Hs.440829	NM_005195
-2.068	C5orf23	chromosome 5 open reading frame 23 (C5orf23), mRNA.	Hs.13528	NM_024563



-2.077	NPR3	natriuretic peptide receptor C/guanylate cyclase C (atriuretic peptide receptor C) (NPR3), mRNA.	Hs.237028	NM_000908
-2.167	TEK	TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal) (TEK), mRNA.	Hs.89640	NM_000459
-2.187	DSG2	Desmoglein 2	Hs.412597	
-2.202	RAMP1	receptor (G protein-coupled) activity modifying protein 1 (RAMP1), mRNA.	Hs.471783	NM_005855
-2.252	CDCA7	cell division cycle associated 7 (CDCA7), transcript variant 2, mRNA.	Hs.470654	NM_145810
-2.264	COL15A1	Collagen, type XV, alpha 1	Hs.409034	
-2.303	CSRP2	cysteine and glycine-rich protein 2 (CSRP2), mRNA.	Hs.530904	NM_001321
-2.315	TNC	tenascin C (hexabrachion) (TNC), mRNA.	Hs.143250	NM_002160
-2.388	HIST1H4C	histone cluster 1, H4c (HIST1H4C), mRNA.	Hs.46423	NM_003542
-2.420	FGL2	fibrinogen-like 2 (FGL2), mRNA.	Hs.520989	NM_006682
-2.541	GPR126	G protein-coupled receptor 126 (GPR126), transcript variant b2, mRNA.	Hs.318894	NM_001032395
-2.557	SPRY1	sprouty homolog 1, antagonist of FGF signaling (Drosophila) (SPRY1), transcript variant 1, mRNA.	Hs.436944	NM_005841
-2.775	KIAA1199	KIAA1199 (KIAA1199), mRNA.	Hs.459088	NM_018689
-2.861	POSTN	periostin, osteoblast specific factor (POSTN), mRNA.	Hs.136348	NM_006475
-2.890	A2M	alpha-2-macroglobulin (A2M), mRNA.	Hs.212838	NM_000014
-2.893	AREG	amphiregulin (schwannoma-derived growth factor) (AREG), mRNA.	Hs.270833	NM_001657
-3.016	IGFBP5	insulin-like growth factor binding protein 5 (IGFBP5), mRNA.	Hs.635441	NM_000599