Supplementary Table 1 - 542 annotated differentially expressed probesets (*P < 0.05*) and associated annotations from Anexdb (http://www.anexdb.org)

Affymetrix Probe ID	Fold Change[#]	*P* - like value	Gene Symbol	RefSeq ID	RefSeq Description
Ssc.5344.2.S1_at	5.14	0.0002	ANKS1B	NM_181670.2	Homo sapiens ankyrin repeat and sterile alpha motif domain containing 1B (ANKS1B); transcript variant 2; mRNA
Ssc.18226.1.S1_at	4.86	0.0416	AURKAIP1	NM_001127230.1	Homo sapiens aurora kinase A interacting protein 1 (AURKAIP1); transcript variant 3; mRNA
Ssc.2827.1.S1_at	4.59	0.0122	SOCS3	NM_003955.3	Homo sapiens suppressor of cytokine signaling 3 (SOCS3); mRNA
Ssc.265.1.S3_at	3.20	0.0002	LEP	NM_000230.2	Homo sapiens leptin (LEP); mRNA
Ssc.27433.1.S1_at	3.13	0.0009	TGM1	NM_000359.2	Homo sapiens transglutaminase 1 (K polypeptide epidermal type I; protein-glutamine-gamma-glutamyltransferase) (TGM1); mRNA
Ssc.18239.2.S1_at	2.90	0.0026	DIS3L2	NM_152383.4	Homo sapiens DIS3 mitotic control homolog (S. cerevisiae)-like 2 (DIS3L2); mRNA
Ssc.11370.1.A1_at	2.45	0.0080	LMBR1	NM_022458.3	Homo sapiens limb region 1 homolog (mouse) (LMBR1); mRNA
Ssc.16159.1.S1_at	2.37	0.0108	SCD	NM_005063.4	Homo sapiens stearoyl-CoA desaturase (delta-9-desaturase) (SCD); mRNA
Ssc.16105.1.S1_at	2.28	0.0358	BHMT	NM_001713.2	Homo sapiens betaine-homocysteine methyltransferase (BHMT); mRNA
Ssc.11031.1.A1_at	2.25	0.0003	SLC11A2	NM_000617.1	Homo sapiens solute carrier family 11 (proton-coupled divalent metal ion transporters); member 2 (SLC11A2); mRNA >gi|2911111|dbj|AB004857.1| Homo sapiens mRNA for NRAMP2; complete cds
Ssc.25880.1.A1_at	2.24	0.0322	hCG_2008140	NR_024279.1	Homo sapiens hypothetical LOC729614 (FLJ37453); non-coding RNA
Ssc.9340.1.A1_at	2.18	0.0180	LTBR	NM_002342.1	Homo sapiens lymphotoxin beta receptor (TNFR superfamily; member 3) (LTBR); mRNA >gi|339761| gb|L04270.1|HUMTNFRRP Homo sapiens (clone CD18) tumor necrosis factor receptor 2 related protein mRNA; complete cds

Ssc.15791.1.S1_at	2.12	0.0036	IL12RB2	NM_001559.2	Homo sapiens interleukin 12 receptor; beta 2 (IL12RB2); mRNA
Ssc.16526.2.S1_at	2.07	0.0239	ARHGEF16	NM_014448.3	Homo sapiens Rho guanine exchange factor (GEF) 16 (ARHGEF16); mRNA
Ssc.19980.1.S1_at	2.01	0.0400	ADAM28	NM_014265.4	Homo sapiens ADAM metallopeptidase domain 28 (ADAM28); transcript variant 1; mRNA
Ssc.16117.1.A1_at	2.01	0.0109	NOS2	NM_000625.4	Homo sapiens nitric oxide synthase 2; inducible (NOS2); mRNA
Ssc.19211.1.S1_at	1.96	0.0013	CYP4B1	NM_000779.3	Homo sapiens cytochrome P450; family 4; subfamily B; polypeptide 1 (CYP4B1); transcript variant 2; mRNA
Ssc.15694.1.S1_at	1.92	0.0359	MT3	NM_005954.2	Homo sapiens metallothionein 3 (MT3); mRNA
Ssc.12183.1.A1_at	1.91	0.0273	GRIA1	NM_001114183.1	Homo sapiens glutamate receptor; ionotropic; AMPA 1 (GRIA1); transcript variant 2; mRNA
Ssc.28259.1.A1_at	1.86	0.0228	SLC25A25	NM_001006642.1	Homo sapiens solute carrier family 25 (mitochondrial carrier; phosphate carrier); member 25 (SLC25A25); nuclear gene encoding mitochondrial protein; transcript variant 3; mRNA
Ssc.18278.3.A1_at	1.86	0.0002	HABP2	NM_004132.3	Homo sapiens hyaluronan binding protein 2 (HABP2); mRNA
Ssc.20663.1.S1_at	1.85	0.0130	MOBP	NR_003090.1	Homo sapiens myelin-associated oligodendrocyte basic protein (MOBP); transcribed RNA
Ssc.30264.1.A1_at	1.85	0.0328	MTMR7	NM_004686.3	Homo sapiens myotubularin related protein 7 (MTMR7); mRNA
Ssc.8086.1.A1_at	1.84	0.0091	LMO3	NM_001001395.1	Homo sapiens LIM domain only 3 (rhombotin-like 2) (LMO3); transcript variant 2; mRNA
Ssc.27578.1.S1_at	1.83	0.0014	MAK	NM_005906.3	Homo sapiens male germ cell-associated kinase (MAK); mRNA
Ssc.6276.2.S1_at	1.82	0.0028	ABHD6	NM_020676.5	Homo sapiens abhydrolase domain containing 6 (ABHD6); mRNA
Ssc.25030.1.A1_at	1.81	0.0499	SEMA6A	NM_020796.3	Homo sapiens sema domain; transmembrane domain (TM); and cytoplasmic domain; (semaphorin) 6A (SEMA6A); mRNA
Ssc.8484.1.A1_at	1.80	0.0405	OSBPL6	NM_145739.1	Homo sapiens oxysterol binding protein-like 6 (OSBPL6); transcript variant 2; mRNA

Ssc.28995.3.S1_at	1.79	0.0037	ELMOD3	NM_001135023.1	Homo sapiens ELMO/CED-12 domain containing 3 (ELMOD3); transcript variant 4; mRNA
Ssc.25444.1.S1_at	1.77	0.0102	MAGEB3	NM_002365.3	Homo sapiens melanoma antigen family B; 3 (MAGEB3); mRNA
Ssc.30902.1.A1_at	1.77	0.0172	PKHD1L1	NM_177531.4	Homo sapiens polycystic kidney and hepatic disease 1 (autosomal recessive)-like 1 (PKHD1L1); mRNA
Ssc.9707.1.A1_at	1.76	0.0126	BTG2	NM_006763.2	Homo sapiens BTG family; member 2 (BTG2); mRNA
Ssc.26443.1.S1_at	1.73	0.0233	NUDT16	NM_152395.1	Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 16 (NUDT16); mRNA >gi|16550653|dbj|AK055827.1| Homo sapiens cDNA FLJ31265 fis; clone KIDNE2006030; moderately similar to Gallus gallus syndesmos mRNA
Ssc.26022.1.S1_at	1.72	0.0322	LOC728951	XM_001128885.2	PREDICTED: Homo sapiens hypothetical LOC728951 (LOC728951); mRNA
Ssc.24298.1.S1_at	1.72	0.0160	TMEFF1	NM_003692.3	Homo sapiens transmembrane protein with EGF-like and two follistatin-like domains 1 (TMEFF1); mRNA
Ssc.24321.1.A1_at	1.71	0.0251	GRIA2	NM_001083620.1	Homo sapiens glutamate receptor; ionotropic; AMPA 2 (GRIA2); transcript variant 3; mRNA
Ssc.1139.1.A1_at	1.68	0.0154	SLC4A4	NM_001134742.1	Homo sapiens solute carrier family 4; sodium bicarbonate cotransporter; member 4 (SLC4A4); transcript variant 3; mRNA
Ssc.18180.2.S1_at	1.68	0.0242	KIAA0319L	NM_024874.3	Homo sapiens KIAA0319-like (KIAA0319L); transcript variant 1; mRNA
Ssc.13524.1.A1_at	1.67	0.0176	KCNC2	NM_153748.1	Homo sapiens potassium voltage-gated channel; Shaw-related subfamily; member 2 (KCNC2); transcript variant 3; mRNA
Ssc.2999.2.S1_at	1.65	0.0040	SERINC2	NM_178865.3	Homo sapiens serine incorporator 2 (SERINC2); mRNA
Ssc.11899.1.A1_at	1.65	0.0314	NLE1	NM_018096.3	Homo sapiens notchless homolog 1 (Drosophila) (NLE1); transcript variant 1; mRNA
Ssc.24188.1.A1_at	1.61	0.0406	PF4	NM_002619.2	Homo sapiens platelet factor 4 (PF4); mRNA
Ssc.162.1.S1_at	1.60	0.0187	RLN2	NM_005059.2	Homo sapiens relaxin 2 (RLN2); transcript variant 2; mRNA
Ssc.27532.1.A1_at	1.59	0.0000	ATL2	NM_022374.2	Homo sapiens atlastin GTPase 2 (ATL2); transcript variant 1; mRNA

Ssc.15142.1.A1_at	1.59	0.0422	WWP2	NM_199424.1	Homo sapiens WW domain containing E3 ubiquitin protein ligase 2 (WWP2); transcript variant 2; mRNA
Ssc.16038.1.S1_at	1.59	0.0170	HLA-DOA	NM_002119.3	Homo sapiens major histocompatibility complex; class II; DO alpha (HLA-DOA); mRNA
Ssc.30710.1.S1_at	1.58	0.0173	IPO9	NM_018085.4	Homo sapiens importin 9 (IPO9); mRNA
Ssc.3455.3.A1_at	1.56	0.0005	UBAP2L	NM_001127320.1	Homo sapiens ubiquitin associated protein 2-like (UBAP2L); transcript variant 2; mRNA
Ssc.24086.1.A1_at	1.56	0.0182	ENAH	NM_018212.4	Homo sapiens enabled homolog (Drosophila) (ENAH); transcript variant 2; mRNA
Ssc.21692.1.A1_at	1.54	0.0067	C14orf102	NM_199043.1	Homo sapiens chromosome 14 open reading frame 102 (C14orf102); transcript variant 2; mRNA
Ssc.21999.1.S1_a_at	1.52	0.0469	ALDH3B1	NM_000694.2	Homo sapiens aldehyde dehydrogenase 3 family; member B1 (ALDH3B1); transcript variant 1; mRNA
Ssc.25358.1.S1_at	1.51	0.0497	GRAMD2	NM_001012642.1	Homo sapiens GRAM domain containing 2 (GRAMD2); mRNA >gi|21754262|dbj|AK095072.1| Homo sapiens cDNA FLJ37753 fis; clone BRHIP2023438; weakly similar to GRAM domain-containing protein 3
Ssc.27140.1.A1_at	1.50	0.0027	PTPN2	NM_002828.2	Homo sapiens protein tyrosine phosphatase; non-receptor type 2 (PTPN2); transcript variant 1; mRNA
Ssc.16126.1.A1_at	1.49	0.0477	ATP1A2	NM_000702.3	Homo sapiens ATPase; Na+/K+ transporting; alpha 2 (+) polypeptide (ATP1A2); mRNA
Ssc.18303.3.S1_at	1.48	0.0468	ZNF385D	NM_024697.1	Homo sapiens zinc finger protein 385D (ZNF385D); mRNA >gi|10438803|dbj|AK026072.1| Homo sapiens cDNA: FLJ22419 fis; clone HRC08593
Ssc.16605.1.S1_at	1.47	0.0003	DDIT3	NM_004083.4	Homo sapiens DNA-damage-inducible transcript 3 (DDIT3); mRNA
Ssc.11425.1.A1_at	1.47	0.0026	SLC35B4	NM_032826.4	Homo sapiens solute carrier family 35; member B4 (SLC35B4); mRNA
Ssc.18377.1.S1_at	1.46	0.0327	P2RX4	NM_002560.2	Homo sapiens purinergic receptor P2X; ligand-gated ion channel; 4 (P2RX4); mRNA
Ssc.11149.2.S1_at	1.46	0.0111	CA9	NM_001216.2	Homo sapiens carbonic anhydrase IX (CA9); mRNA
Ssc.19105.1.S1_at	1.44	0.0467	LIPC	NM_000236.2	Homo sapiens lipase; hepatic (LIPC); mRNA
Ssc.22500.1.S1_at	1.44	0.0000	BPGM	NM_199186.1	Homo sapiens 2;3-bisphosphoglycerate mutase

					(BPGM); transcript variant 2; mRNA
Ssc.17877.1.A1_at	1.43	0.0002	NR3C2	NM_000901.3	Homo sapiens nuclear receptor subfamily 3; group C; member 2 (NR3C2); mRNA
Ssc.19239.1.S1_at	1.41	0.0371	GPD1	NM_005276.2	Homo sapiens glycerol-3-phosphate dehydrogenase 1 (soluble) (GPD1); mRNA >gi|21594876|gb|BC032234.1| Homo sapiens glycerol-3-phosphate dehydrogenase 1 (soluble); mRNA (cDNA clone MGC:34464 IMAGE:5229925); complete cds
Ssc.17286.1.A1_at	1.40	0.0467	BTG2	NM_006763.2	Homo sapiens BTG family; member 2 (BTG2); mRNA
Ssc.25048.1.A1_at	1.40	0.0177	P4HTM	NM_177939.2	Homo sapiens hypoxia-inducible factor prolyl 4-hydroxylase (PH-4); transcript variant 1; mRNA
Ssc.3577.1.S1_at	1.39	0.0247	DDX11	NM_030653.3	Homo sapiens DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (CHL1-like helicase homolog; S. cerevisiae) (DDX11); transcript variant 1; mRNA
Ssc.24232.1.S1_at	1.39	0.0002	ELP2	NM_018255.1	Homo sapiens elongation protein 2 homolog (S. cerevisiae) (ELP2); mRNA >gi|7023192|dbj|AK001741.1| Homo sapiens cDNA FLJ10879 fis; clone NT2RP4001896; weakly similar to VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1
Ssc.27413.1.S1_at	1.37	0.0290	ECD	NR_024203.1	Homo sapiens ecdysoneless homolog (Drosophila) (ECD); transcript variant 4; transcribed RNA
Ssc.11281.1.A1_at	1.37	0.0071	PENK	NM_001135690.1	Homo sapiens proenkephalin (PENK); transcript variant 1; mRNA
Ssc.121.1.S1_at	1.36	0.0161	PDYN	NM_024411.2	Homo sapiens prodynorphin (PDYN); mRNA
Ssc.28320.1.S1_at	1.36	0.0000	CBX5	NM_012117.2	Homo sapiens chromobox homolog 5 (HP1 alpha homolog; Drosophila) (CBX5); transcript variant 3; mRNA
Ssc.11609.1.A1_at	1.36	0.0141	ASNS	NM_183356.2	Homo sapiens asparagine synthetase (ASNS); transcript variant 3; mRNA
Ssc.825.1.S1_at	1.36	0.0137	CLDN7	NM_001307.4	Homo sapiens claudin 7 (CLDN7); mRNA
Ssc.9208.1.A1_at	1.35	0.0179	ANKRD10	NM_017664.2	Homo sapiens ankyrin repeat domain 10 (ANKRD10); mRNA
Ssc.25248.2.S1_at	1.35	0.0308	MED9	NM_018019.2	Homo sapiens mediator complex subunit 9 (MED9); mRNA

Ssc.22176.1.A1_at	1.35	0.0022	APC	NM_001127511.1	Homo sapiens adenomatous polyposis coli (APC); transcript variant 1; mRNA
Ssc.14125.1.A1_at	1.34	0.0256	NEK3	NM_002498.2	Homo sapiens NIMA (never in mitosis gene a)-related kinase 3 (NEK3); transcript variant 1; mRNA
Ssc.7064.1.A1_at	1.34	0.0212	CCDC38	NM_182496.1	Homo sapiens coiled-coil domain containing 38 (CCDC38); mRNA >gi|21757152|dbj|AK097408.1| Homo sapiens cDNA FLJ40089 fis; clone TESTI2003181
Ssc.23945.1.A1_at	1.34	0.0144	TET1	NM_030625.2	Homo sapiens tet oncogene 1 (TET1); mRNA
Ssc.29136.1.S1_at	1.34	0.0127	GPATCH4	NM_182679.1	Homo sapiens G patch domain containing 4 (GPATCH4); transcript variant 2; mRNA
Ssc.10287.1.A1_at	1.33	0.0088	TGFB2	NM_003238.2	Homo sapiens transforming growth factor; beta 2 (TGFB2); transcript variant 2; mRNA
Ssc.2472.1.S1_at	1.32	0.0295	CYB5D2	NM_144611.3	Homo sapiens cytochrome b5 domain containing 2 (CYB5D2); transcript variant 1; mRNA
Ssc.29036.1.S1_at	1.32	0.0115	TUBA4A	NM_006000.1	Homo sapiens tubulin; alpha 4a (TUBA4A); mRNA
Ssc.4320.1.S1_at	1.32	0.0035	IKZF4	NM_022465.3	Homo sapiens IKAROS family zinc finger 4 (Eos) (IKZF4); mRNA
Ssc.13891.1.A1_at	1.31	0.0309	RGN	NM_152869.2	Homo sapiens regucalcin (senescence marker protein-30) (RGN); transcript variant 2; mRNA
Ssc.18642.1.S1_at	1.31	0.0325	ITGB1BP2	NM_012278.1	Homo sapiens integrin beta 1 binding protein (melusin) 2 (ITGB1BP2); mRNA >gi|6017903|gb|AF140690.1|AF140690 Homo sapiens melusin mRNA; complete cds
Ssc.16814.2.S1_at	1.31	0.0087	C19orf61	NM_019108.2	Homo sapiens chromosome 19 open reading frame 61 (C19orf61); mRNA
Ssc.2291.2.S1_at	1.30	0.0003	GYS1	NM_002103.3	Homo sapiens glycogen synthase 1 (muscle) (GYS1); mRNA >gi|33988671|gb|BC002617.2| Homo sapiens glycogen synthase 1 (muscle); mRNA (cDNA clone MGC:2986 IMAGE:3143019); complete cds
Ssc.17567.2.S1_at	1.30	0.0288	MMP24	NM_006690.3	Homo sapiens matrix metallopeptidase 24 (membrane-inserted) (MMP24); mRNA
Ssc.2250.1.A1_at	1.30	0.0001	FBXW7	NM_018315.4	Homo sapiens F-box and WD repeat domain containing 7 (FBXW7); transcript variant 2; mRNA
Ssc.29222.2.S1_at	1.30	0.0106	UBE2CBP	NM_198920.1	Homo sapiens ubiquitin-conjugating enzyme E2C

					binding protein (UBE2CBP); mRNA >gi|38347756|dbj|AB126062.1| Homo sapiens H10BH mRNA for UbcH10 binding protein with a hect-like domain; complete cds
Ssc.23768.1.S1_at	1.30	0.0335	RTF1	NM_015138.4	Homo sapiens Rtf1; Paf1/RNA polymerase II complex component; homolog (S. cerevisiae) (RTF1); mRNA
Ssc.21327.1.S1_at	1.29	0.0031	ST3GAL3	NM_006279.2	Homo sapiens ST3 beta-galactoside alpha-2;3-sialyltransferase 3 (ST3GAL3); transcript variant 10; mRNA
Ssc.11488.3.A1_at	1.29	0.0230	DSN1	NM_024918.2	Homo sapiens DSN1; MIND kinetochore complex component; homolog (S. cerevisiae) (DSN1); mRNA >gi|21751761|dbj|AK093031.1| Homo sapiens cDNA FLJ35712 fis; clone TESOP1000160
Ssc.26753.1.A1_at	1.29	0.0128	CACNA2D1	NM_000722.2	Homo sapiens calcium channel; voltage-dependent; alpha 2/delta subunit 1 (CACNA2D1); mRNA
Ssc.2679.1.S1_at	1.29	0.0001	SMYD5	NM_006062.2	Homo sapiens SMYD family member 5 (SMYD5); mRNA
Ssc.24214.1.S1_at	1.28	0.0000	GRWD1	NM_031485.2	Homo sapiens glutamate-rich WD repeat containing 1 (GRWD1); mRNA >gi|22760271|dbj|AK074676.1| Homo sapiens cDNA FLJ90195 fis; clone MAMMA1001310
Ssc.30644.1.S1_at	1.28	0.0166	PKN3	NM_013355.3	Homo sapiens protein kinase N3 (PKN3); mRNA
Ssc.11364.1.S1_at	1.28	0.0133	FIG4	NM_014845.5	Homo sapiens FIG4 homolog (S. cerevisiae) (FIG4); mRNA
Ssc.4733.1.A1_at	1.27	0.0208	CHIC1	NM_001039840.2	Homo sapiens cysteine-rich hydrophobic domain 1 (CHIC1); mRNA
Ssc.4087.1.A1_at	1.27	0.0003	C4orf16	NM_001128426.1	Homo sapiens chromosome 4 open reading frame 16 (C4orf16); transcript variant 2; mRNA
Ssc.2105.1.A1_at	1.27	0.0138	AKAP5	NM_004857.3	Homo sapiens A kinase (PRKA) anchor protein 5 (AKAP5); mRNA
Ssc.31184.1.S1_at	1.27	0.0043	YBX2	NM_015982.3	Homo sapiens Y box binding protein 2 (YBX2); mRNA
Ssc.390.1.A1_at	1.27	0.0244	HIF1A	NM_181054.2	Homo sapiens hypoxia-inducible factor 1; alpha subunit (basic helix-loop-helix transcription factor) (HIF1A); transcript variant 2; mRNA
Ssc.23809.3.S1_at	1.26	0.0008	TNRC6B	NM_015088.2	Homo sapiens trinucleotide repeat containing 6B

					(TNRC6B); transcript variant 1; mRNA
Ssc.8371.1.A1_at	1.26	0.0009	RAN	NM_006325.2	Homo sapiens RAN; member RAS oncogene family (RAN); mRNA
Ssc.9382.1.A1_at	1.26	0.0361	PSMA6	NM_002791.1	Homo sapiens proteasome (prosome; macropain) subunit; alpha type; 6 (PSMA6); mRNA
Ssc.9548.1.A1_at	1.25	0.0003	COG5	NM_006348.2	Homo sapiens component of oligomeric golgi complex 5 (COG5); transcript variant 1; mRNA
Ssc.92.1.S1_at	1.25	0.0322	TGFB2	NM_003238.2	Homo sapiens transforming growth factor; beta 2 (TGFB2); transcript variant 2; mRNA
Ssc.1918.1.S1_at	1.25	0.0117	MRPS7	NM_015971.3	Homo sapiens mitochondrial ribosomal protein S7 (MRPS7); nuclear gene encoding mitochondrial protein; mRNA
Ssc.4265.1.A1_a_at	1.25	0.0247	TNRC6B	NM_015088.2	Homo sapiens trinucleotide repeat containing 6B (TNRC6B); transcript variant 1; mRNA
Ssc.26457.1.A1_at	1.25	0.0015	TIGD1	NM_145702.1	Homo sapiens tigger transposable element derived 1 (TIGD1); mRNA >gi|16551701|dbj|AK056329.1| Homo sapiens cDNA FLJ31767 fis; clone NT2RI2007884; weakly similar to ARS BINDING PROTEIN 1
Ssc.29671.1.A1_at	1.25	0.0468	INTS8	NM_017864.2	Homo sapiens integrator complex subunit 8 (INTS8); mRNA >gi|42407297|dbj|AB161944.1| Homo sapiens mRNA for KAONASHI protein 1; complete cds >gi|78100166|tpg|BK005731.1| TPA_exp: Homo sapiens integrator complex subunit 8 mRNA; complete cds
Ssc.7444.2.S1_at	1.25	0.0261	CREM	NM_001881.2	Homo sapiens cAMP responsive element modulator (CREM); transcript variant 2; mRNA
Ssc.17264.1.S1_at	1.25	0.0329	SLC25A1	NM_005984.2	Homo sapiens solute carrier family 25 (mitochondrial carrier; citrate transporter); member 1 (SLC25A1); nuclear gene encoding mitochondrial protein; mRNA
Ssc.1405.1.S1_at	1.24	0.0030	PIGU	NM_080476.4	Homo sapiens phosphatidylinositol glycan anchor biosynthesis; class U (PIGU); mRNA >gi|38564692|gb|AY422169.1| Homo sapiens transamidase complex subunit PIG-U (PIGU) mRNA; complete cds
Ssc.18243.2.S1_at	1.23	0.0459	BTBD9	NM_001099272.1	Homo sapiens BTB (POZ) domain containing 9 (BTBD9); transcript variant 2; mRNA
Ssc.828.1.S1_at	1.23	0.0113	SLC26A6	NM_134426.2	Homo sapiens solute carrier family 26; member 6 (SLC26A6); transcript variant 3; mRNA

Ssc.23860.1.A1_at	1.23	0.0004	MAPK8	NM_002750.2	Homo sapiens mitogen-activated protein kinase 8 (MAPK8); transcript variant JNK1-a1; mRNA
Ssc.1388.1.S1_at	1.23	0.0023	NUDT2	NM_001161.3	Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 2 (NUDT2); transcript variant 1; mRNA
Ssc.2250.2.S1_at	1.23	0.0225	FBXW7	NM_033632.2	Homo sapiens F-box and WD repeat domain containing 7 (FBXW7); transcript variant 1; mRNA
Ssc.21616.1.S1_at	1.23	0.0211	ARHGAP10	NM_024605.3	Homo sapiens Rho GTPase activating protein 10 (ARHGAP10); mRNA
Ssc.23809.1.S1_at	1.23	0.0215	TNRC6B	NM_015088.2	Homo sapiens trinucleotide repeat containing 6B (TNRC6B); transcript variant 1; mRNA
Ssc.7239.1.S1_a_at	1.22	0.0044	ADSL	NM_001123378.1	Homo sapiens adenylosuccinate lyase (ADSL); transcript variant 2; mRNA
Ssc.16954.2.S1_at	1.22	0.0431	TFPT	NM_013342.2	Homo sapiens TCF3 (E2A) fusion partner (in childhood Leukemia) (TFPT); mRNA
Ssc.16111.2.S1_at	1.22	0.0379	PMVK	NM_006556.3	Homo sapiens phosphomevalonate kinase (PMVK); mRNA
Ssc.9630.1.A1_at	1.22	0.0373	CNKSR1	NR_023345.1	Homo sapiens connector enhancer of kinase suppressor of Ras 1 (CNKSR1); transcript variant 2; transcribed RNA
Ssc.11730.1.S1_at	1.21	0.0004	SCAF1	NM_021228.1	Homo sapiens SR-related CTD-associated factor 1 (SCAF1); mRNA >gi|32450501|gb|BC053992.1| Homo sapiens SR-related CTD-associated factor 1; mRNA (cDNA clone MGC:45499 IMAGE:5578439); complete cds
Ssc.12819.1.A1_at	1.21	0.0424	MON1B	NM_014940.2	Homo sapiens MON1 homolog B (yeast) (MON1B); mRNA
Ssc.27307.1.S1_at	1.21	0.0009	MPHOSPH6	NM_005792.2	Homo sapiens M-phase phosphoprotein 6 (MPHOSPH6); mRNA
Ssc.18243.3.S1_a_at	1.21	0.0093	BTBD9	NM_152733.2	Homo sapiens BTB (POZ) domain containing 9 (BTBD9); transcript variant 3; mRNA
Ssc.18574.1.A1_at	1.20	0.0154	CUGBP2	NM_001083591.1	Homo sapiens CUG triplet repeat; RNA binding protein 2 (CUGBP2); transcript variant 4; mRNA
Ssc.18185.1.S1_at	1.20	0.0096	HYPK	NM_016400.2	Homo sapiens Huntingtin interacting protein K (HYPK); mRNA >gi|17939528|gb|BC019262.1| Homo

					sapiens Huntingtin interacting protein K; mRNA (cDNA clone MGC:2632 IMAGE:3504222); complete cds
Ssc.11417.1.A1_at	1.20	0.0366	FAM126A	NM_032581.3	Homo sapiens family with sequence similarity 126; member A (FAM126A); mRNA
Ssc.24930.1.S1_at	1.20	0.0182	LTV1	NM_032860.3	Homo sapiens LTV1 homolog (S. cerevisiae) (LTV1); mRNA >gi|33872922|gb|BC009855.2| Homo sapiens LTV1 homolog (S. cerevisiae); mRNA (cDNA clone MGC:16354 IMAGE:3926227); complete cds
Ssc.22328.3.S1_at	1.20	0.0307	DARS	NM_001349.2	Homo sapiens aspartyl-tRNA synthetase (DARS); mRNA
Ssc.24483.1.A1_at	1.19	0.0011	PRPF40A	NM_017892.3	Homo sapiens PRP40 pre-mRNA processing factor 40 homolog A (S. cerevisiae) (PRPF40A); mRNA
Ssc.10936.2.A1_at	1.19	0.0079	KIAA0232	NM_001100590.1	Homo sapiens KIAA0232 (KIAA0232); transcript variant 2; mRNA
Ssc.28600.1.A1_at	1.19	0.0256	MFSD8	NM_152778.2	Homo sapiens major facilitator superfamily domain containing 8 (MFSD8); mRNA
Ssc.5520.1.S1_at	1.19	0.0420	SEPX1	NM_016332.2	Homo sapiens selenoprotein X; 1 (SEPX1); mRNA
Ssc.2439.1.S1_at	1.19	0.0061	WDR13	NM_017883.3	Homo sapiens WD repeat domain 13 (WDR13); mRNA
Ssc.2392.1.A1_at	1.19	0.0367	CCNL1	NM_020307.2	Homo sapiens cyclin L1 (CCNL1); mRNA
Ssc.19964.1.A1_a_at	1.18	0.0038	NFU1	NM_001002755.1	Homo sapiens NFU1 iron-sulfur cluster scaffold homolog (S. cerevisiae) (NFU1); transcript variant 2; mRNA
Ssc.24795.1.A1_at	1.18	0.0364	WDR76	NM_024908.2	Homo sapiens WD repeat domain 76 (WDR76); mRNA
Ssc.15255.1.S1_at	1.18	0.0249	CATSPER2	NM_172095.1	Homo sapiens cation channel; sperm associated 2 (CATSPER2); transcript variant 2; mRNA
Ssc.23265.1.A1_at	1.18	0.0304	RNF160	NM_015565.1	Homo sapiens zinc finger protein 294 (ZNF294); mRNA
Ssc.24599.1.S1_at	1.18	0.0107	UBE2CBP	NM_198920.1	Homo sapiens ubiquitin-conjugating enzyme E2C binding protein (UBE2CBP); mRNA >gi|38347756|dbj|AB126062.1| Homo sapiens H10BH mRNA for UbcH10 binding protein with a hect-like domain; complete cds

Ssc.18581.1.S1_at	1.18	0.0076	USP5	NM_003481.2	Homo sapiens ubiquitin specific peptidase 5 (isopeptidase T) (USP5); transcript variant 2; mRNA
Ssc.18422.1.S1_a_at	1.18	0.0346	DNASE1L1	NM_006730.2	Homo sapiens deoxyribonuclease I-like 1 (DNASE1L1); transcript variant 1; mRNA
Ssc.29092.1.A1_at	1.18	0.0490	KRAS	NM_004985.3	Homo sapiens v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog (KRAS); transcript variant b; mRNA
Ssc.1639.1.A1_at	1.18	0.0222	GALT	NM_000155.2	Homo sapiens galactose-1-phosphate uridylyltransferase (GALT); mRNA
Ssc.1363.1.S1_at	1.17	0.0218	FDX1L	NM_001031734.2	Homo sapiens ferredoxin 1-like (FDX1L); mRNA
Ssc.2729.1.S1_at	1.17	0.0329	BNIP1	NM_013980.2	Homo sapiens BCL2/adenovirus E1B 19kDa interacting protein 1 (BNIP1); transcript variant BNIP1-c; mRNA
Ssc.30475.1.A1_at	1.17	0.0003	PIGB	NM_004855.4	Homo sapiens phosphatidylinositol glycan anchor biosynthesis; class B (PIGB); mRNA
Ssc.16686.1.A1_at	1.17	0.0135	FAM48A	NM_001014286.2	Homo sapiens family with sequence similarity 48; member A (FAM48A); transcript variant 1; mRNA
Ssc.18640.3.S1_at	1.17	0.0181	UBE2D4	NM_015983.2	Homo sapiens ubiquitin-conjugating enzyme E2D 4 (putative) (UBE2D4); mRNA >gi|7022709|dbj| AK001446.1| Homo sapiens cDNA FLJ10584 fis; clone NT2RP2003737; highly similar to UBIQUITIN-CONJUGATING ENZYME E2-17 KD 2 (EC 6.3.2.19)
Ssc.15894.1.S1_at	1.17	0.0454	FZR1	NM_016263.3	Homo sapiens fizzy/cell division cycle 20 related 1 (Drosophila) (FZR1); transcript variant 2; mRNA
Ssc.20489.1.S1_at	1.17	0.0480	MDK	NM_002391.3	Homo sapiens midkine (neurite growth-promoting factor 2) (MDK); transcript variant 3; mRNA
Ssc.26703.1.S1_at	1.16	0.0412	C16orf87	NM_001001436.2	Homo sapiens chromosome 16 open reading frame 87 (C16orf87); mRNA
Ssc.6112.1.S1_at	1.16	0.0170	UBR1	NM_174916.2	Homo sapiens ubiquitin protein ligase E3 component n-recognin 1 (UBR1); mRNA
Ssc.8506.1.A1_at	1.16	0.0118	RBM25	NM_021239.1	Homo sapiens RNA binding motif protein 25 (RBM25); mRNA >gi|34366144|emb|BX647116.1|HSM807260 Homo sapiens mRNA; cDNA DKFZp686M06144 (from clone DKFZp686M06144)
Ssc.1481.1.S1_at	1.16	0.0024	JARID1A	NM_001042603.1	Homo sapiens jumonji; AT rich interactive domain 1A

					(JARID1A); transcript variant 1; mRNA
Ssc.9300.1.A1_at	1.16	0.0477	REV1	NM_016316.2	Homo sapiens REV1 homolog (S. cerevisiae) (REV1); transcript variant 1; mRNA
Ssc.9634.1.A1_at	1.16	0.0295	RANBP6	NR_024095.1	Homo sapiens RAN binding protein 6 (RANBP6); transcript variant 3; transcribed RNA
Ssc.12256.1.S1_at	1.16	0.0240	CCDC104	NM_080667.5	Homo sapiens coiled-coil domain containing 104 (CCDC104); mRNA
Ssc.23006.1.S1_at	1.16	0.0492	NUCKS1	NM_022731.3	Homo sapiens nuclear casein kinase and cyclin-dependent kinase substrate 1 (NUCKS1); mRNA
Ssc.27060.1.A1_at	1.15	0.0428	SSSCA1	NM_006396.1	Homo sapiens Sjogren syndrome/scleroderma autoantigen 1 (SSSCA1); mRNA >gi|2982672|dbj| AB001740.1| Homo sapiens mRNA for p27; complete cds
Ssc.25124.1.S1_at	1.15	0.0237	EPC2	NM_015630.3	Homo sapiens enhancer of polycomb homolog 2 (Drosophila) (EPC2); mRNA
Ssc.27513.1.A1_at	1.15	0.0341	PARP1	NM_001618.3	Homo sapiens poly (ADP-ribose) polymerase 1 (PARP1); mRNA
Ssc.26167.1.S1_at	1.15	0.0146	ST3GAL3	NM_174963.1	Homo sapiens ST3 beta-galactoside alpha-2;3-sialyltransferase 3 (ST3GAL3); transcript variant 1; mRNA
Ssc.15421.2.S1_at	1.15	0.0077	C20orf43	NM_016407.3	Homo sapiens chromosome 20 open reading frame 43 (C20orf43); mRNA
Ssc.6249.2.S1_at	1.15	0.0205	OCIAD1	NM_017830.2	Homo sapiens OCIA domain containing 1 (OCIAD1); transcript variant 1; mRNA
Ssc.7699.1.A1_at	1.14	0.0160	ADAT2	NM_182503.2	Homo sapiens adenosine deaminase; tRNA-specific 2; TAD2 homolog (S. cerevisiae) (ADAT2); mRNA
Ssc.16496.1.S1_at	1.14	0.0411	WDR76	NM_024908.2	Homo sapiens WD repeat domain 76 (WDR76); mRNA
Ssc.21947.1.S1_at	1.14	0.0133	MAP1D	NM_199227.1	Homo sapiens methionine aminopeptidase 1D (MAP1D); mRNA >gi|38893020|gb|AY374142.1| Homo sapiens mitochondrial methionine aminopeptidase 1 mRNA; complete cds; nuclear gene for mitochondrial product
Ssc.5212.1.S1_at	1.14	0.0293	UIMC1	NM_016290.3	Homo sapiens ubiquitin interaction motif containing 1 (UIMC1); mRNA >gi|31873253|emb|BX537376.1|

					HSM805671 Homo sapiens mRNA; cDNA DKFZp686C17196 (from clone DKFZp686C17196)
Ssc.22152.1.A1_at	1.14	0.0255	USE1	NM_018467.3	Homo sapiens unconventional SNARE in the ER 1 homolog (S. cerevisiae) (USE1); mRNA
Ssc.20347.1.S1_at	1.14	0.0479	TMEM194B	XM_001726342.1	PREDICTED: Homo sapiens similar to hCG1646803 (LOC100131211); mRNA
Ssc.23524.1.S1_at	1.13	0.0264	EXOSC10	NM_001001998.1	Homo sapiens exosome component 10 (EXOSC10); transcript variant 1; mRNA
Ssc.12010.1.A1_at	1.13	0.0304	ZRSR2	NM_005089.3	Homo sapiens zinc finger (CCCH type); RNA-binding motif and serine/arginine rich 2 (ZRSR2); mRNA
Ssc.27119.1.A1_at	1.13	0.0334	TTC4	NM_004623.3	Homo sapiens tetratricopeptide repeat domain 4 (TTC4); mRNA
Ssc.17756.1.S1_at	1.13	0.0157	MRAS	NM_012219.3	Homo sapiens muscle RAS oncogene homolog (MRAS); transcript variant 1; mRNA
Ssc.2786.1.S1_at	1.12	0.0466	ITGA7	NM_002206.1	Homo sapiens integrin; alpha 7 (ITGA7); mRNA >gi|2897115|gb|AF032108.1|AF032108 Homo sapiens integrin alpha-7 mRNA; complete cds
Ssc.11627.1.A1_at	1.12	0.0408	RBM23	NM_001077352.1	Homo sapiens RNA binding motif protein 23 (RBM23); transcript variant 3; mRNA
Ssc.7351.1.S1_at	1.12	0.0358	BTBD3	NM_181443.1	Homo sapiens BTB (POZ) domain containing 3 (BTBD3); transcript variant 2; mRNA
Ssc.9139.1.A1_at	1.11	0.0354	TRDMT1	NM_004412.4	Homo sapiens tRNA aspartic acid methyltransferase 1 (TRDMT1); transcript variant a; mRNA
Ssc.1709.1.S1_at	1.11	0.0264	LOC727773	XM_001126273.2	PREDICTED: Homo sapiens similar to p28 ING5; transcript variant 2 (LOC727773); mRNA
Ssc.10598.1.A1_at	1.11	0.0424	ZFYVE16	NM_001105251.1	Homo sapiens zinc finger; FYVE domain containing 16 (ZFYVE16); transcript variant 2; mRNA
Ssc.10082.1.A1_at	1.11	0.0405	GNPTAB	NM_024312.3	Homo sapiens N-acetylglucosamine-1-phosphate transferase; alpha and beta subunits (GNPTAB); mRNA
Ssc.13759.2.S1_at	1.11	0.0353	TUBGCP2	NM_006659.2	Homo sapiens tubulin; gamma complex associated protein 2 (TUBGCP2); mRNA
Ssc.16529.1.S1_at	1.10	0.0208	SNX6	NM_152233.2	Homo sapiens sorting nexin 6 (SNX6); transcript variant 2; mRNA
Ssc.7062.1.A1_at	-1.10	0.0468	ASNSD1	NM_019048.1	Homo sapiens asparagine synthetase domain

					containing 1 (ASNSD1); mRNA >gi|7021046|dbj| AK000759.1| Homo sapiens cDNA FLJ20752 fis; clone HEP02921
Ssc.20951.1.S1_at	-1.10	0.0423	METTL5	NM_014168.2	Homo sapiens methyltransferase like 5 (METTL5); mRNA >gi|12803007|gb|BC000921.2| Homo sapiens methyltransferase like 5; mRNA (cDNA clone MGC:4937 IMAGE:3445582); complete cds
Ssc.12285.1.A1_at	-1.10	0.0483	AMMECR1L	NM_031445.2	Homo sapiens AMME chromosomal region gene 1-like (AMMECR1L); mRNA
Ssc.19029.1.A1_at	-1.11	0.0430	WAPAL	NM_015045.2	Homo sapiens wings apart-like homolog (Drosophila) (WAPAL); mRNA
Ssc.2835.1.S1_at	-1.11	0.0467	HNRNPUL1	NM_144732.2	Homo sapiens heterogeneous nuclear ribonucleoprotein U-like 1 (HNRNPUL1); transcript variant 4; mRNA
Ssc.9188.1.A1_at	-1.11	0.0441	NSL1	NM_001042549.1	Homo sapiens NSL1; MIND kinetochore complex component; homolog (S. cerevisiae) (NSL1); transcript variant 2; mRNA
Ssc.1131.2.A1_at	-1.11	0.0311	SLC9A6	NM_006359.2	Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger); member 6 (SLC9A6); transcript variant 2; mRNA
Ssc.11053.1.S1_at	-1.11	0.0451	SRP19	NM_003135.1	Homo sapiens signal recognition particle 19kDa (SRP19); mRNA >gi|36112|emb|X12791.1|HSRP19 Human mRNA for 19kD protein of signal recognition particle (SRP)
Ssc.5265.1.S1_at	-1.11	0.0418	CHFR	NM_018223.1	Homo sapiens checkpoint with forkhead and ring finger domains (CHFR); mRNA >gi|7023050|dbj| AK001658.1| Homo sapiens cDNA FLJ10796 fis; clone NT2RP4000648; weakly similar to TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICP0
Ssc.4357.1.S1_at	-1.11	0.0139	PTRF	NM_012232.3	Homo sapiens polymerase I and transcript release factor (PTRF); mRNA
Ssc.3061.1.A1_at	-1.11	0.0499	CRLS1	NM_001127458.1	Homo sapiens cardiolipin synthase 1 (CRLS1); transcript variant 2; mRNA
Ssc.11278.2.A1_at	-1.11	0.0379	ZNF2	NM_001017396.1	Homo sapiens zinc finger protein 2 (ZNF2); transcript variant 2; mRNA
Ssc.21684.1.S1_at	-1.11	0.0240	PHF16	NM_001077445.1	Homo sapiens PHD finger protein 16 (PHF16);

					transcript variant 2; mRNA
Ssc.18848.1.S1_at	-1.12	0.0492	TARBP1	NM_005646.3	Homo sapiens TAR (HIV-1) RNA binding protein 1 (TARBP1); mRNA
Ssc.865.2.A1_at	-1.12	0.0173	LASS2	NM_181746.2	Homo sapiens LAG1 homolog; ceramide synthase 2 (LASS2); transcript variant 1; mRNA
Ssc.11114.1.A1_at	-1.12	0.0432	RPA1	NM_002945.3	Homo sapiens replication protein A1; 70kDa (RPA1); mRNA
Ssc.19229.1.S1_at	-1.12	0.0276	RABGAP1L	NM_014857.3	Homo sapiens RAB GTPase activating protein 1-like (RABGAP1L); transcript variant 1; mRNA
Ssc.30480.1.A1_at	-1.13	0.0473	TBL1XR1	NM_024665.4	Homo sapiens transducin (beta)-like 1 X-linked receptor 1 (TBL1XR1); mRNA
Ssc.20134.1.A1_at	-1.13	0.0013	UBE2J1	NM_016021.2	Homo sapiens ubiquitin-conjugating enzyme E2; J1 (UBC6 homolog; yeast) (UBE2J1); mRNA
Ssc.11302.1.S1_at	-1.13	0.0395	COL3A1	NM_000090.3	Homo sapiens collagen; type III; alpha 1 (COL3A1); mRNA
Ssc.3255.1.S1_at	-1.13	0.0171	ZFYVE21	NM_024071.2	Homo sapiens zinc finger; FYVE domain containing 21 (ZFYVE21); mRNA >gi|13543697|gb|BC005999.1| Homo sapiens zinc finger; FYVE domain containing 21; mRNA (cDNA clone MGC:14803 IMAGE:4091809); complete cds
Ssc.2569.1.S1_at	-1.13	0.0377	TSPAN14	NM_001128309.1	Homo sapiens tetraspanin 14 (TSPAN14); transcript variant 2; mRNA
Ssc.6053.1.A1_at	-1.13	0.0378	USP46	NM_001134223.1	Homo sapiens ubiquitin specific peptidase 46 (USP46); transcript variant 2; mRNA
Ssc.11302.1.S2_at	-1.13	0.0488	COL3A1	NM_000090.3	Homo sapiens collagen; type III; alpha 1 (COL3A1); mRNA
Ssc.6559.1.S1_at	-1.13	0.0381	RPA2	NM_002946.3	Homo sapiens replication protein A2; 32kDa (RPA2); mRNA >gi|33878123|gb|BC021257.2| Homo sapiens replication protein A2; 32kDa; mRNA (cDNA clone MGC:29683 IMAGE:4111194); complete cds
Ssc.9170.1.A1_at	-1.13	0.0420	PRKD1	NM_002742.2	Homo sapiens protein kinase D1 (PRKD1); mRNA
Ssc.7067.1.A1_at	-1.13	0.0427	TSPAN6	NM_003270.2	Homo sapiens tetraspanin 6 (TSPAN6); mRNA
Ssc.1527.2.A1_at	-1.13	0.0441	SLC20A1	NM_005415.3	Homo sapiens solute carrier family 20 (phosphate transporter); member 1 (SLC20A1); mRNA >gi| 18044776|gb|BC019944.1| Homo sapiens solute

					carrier family 20 (phosphate transporter); member 1; mRNA (cDNA clone MGC:8767 IMAGE:3918690); complete cds
Ssc.2240.1.S1_at	-1.14	0.0493	TMEM55B	NM_001100814.1	Homo sapiens transmembrane protein 55B (TMEM55B); transcript variant 1; mRNA
Ssc.21845.2.S1_at	-1.14	0.0128	GTPBP10	NM_033107.2	Homo sapiens GTP-binding protein 10 (putative) (GTPBP10); transcript variant 2; mRNA
Ssc.15730.1.S1_at	-1.14	0.0242	RAMP2	NM_005854.2	Homo sapiens receptor (G protein-coupled) activity modifying protein 2 (RAMP2); mRNA
Ssc.17230.1.A1_at	-1.14	0.0189	TMSB10	NM_021103.3	Homo sapiens thymosin beta 10 (TMSB10); mRNA
Ssc.26249.1.S1_at	-1.14	0.0414	CCNDBP1	NM_012142.2	Homo sapiens cyclin D-type binding-protein 1 (CCNDBP1); transcript variant 1; mRNA
Ssc.14342.1.A1_at	-1.14	0.0117	MSL1	NM_001012241.1	Homo sapiens male-specific lethal 1 homolog (Drosophila) (MSL1); mRNA
Ssc.5330.1.A1_at	-1.14	0.0405	TGFBR2	NM_003242.5	Homo sapiens transforming growth factor; beta receptor II (70/80kDa) (TGFBR2); transcript variant 2; mRNA
Ssc.4091.1.S1_at	-1.14	0.0130	KIAA0892	NM_015329.3	Homo sapiens KIAA0892 (KIAA0892); mRNA
Ssc.4584.1.S1_at	-1.14	0.0301	GFOD2	NM_030819.2	Homo sapiens glucose-fructose oxidoreductase domain containing 2 (GFOD2); mRNA >gi|18676969| dbj|AK074382.1| Homo sapiens cDNA FLJ23802 fis; clone HEP22660
Ssc.19647.2.S1_at	-1.14	0.0342	ADCK2	NM_052853.3	Homo sapiens aarF domain containing kinase 2 (ADCK2); mRNA
Ssc.10576.1.S1_at	-1.15	0.0378	HMGN1	NM_004965.6	Homo sapiens high-mobility group nucleosome binding domain 1 (HMGN1); mRNA
Ssc.6771.1.S1_a_at	-1.15	0.0423	SRI	NM_198901.1	Homo sapiens sorcin (SRI); transcript variant 2; mRNA
Ssc.27323.1.A1_at	-1.15	0.0099	MTA1	NM_004689.3	Homo sapiens metastasis associated 1 (MTA1); mRNA
Ssc.19242.1.A1_at	-1.15	0.0413	TMEM133	NM_032021.2	Homo sapiens transmembrane protein 133 (TMEM133); mRNA
Ssc.19685.1.S1_at	-1.15	0.0174	SPAST	NM_014946.3	Homo sapiens spastin (SPAST); transcript variant 1; mRNA
Ssc.9684.1.S1_at	-1.15	0.0267	SLC16A10	NM_018593.3	Homo sapiens solute carrier family 16; member 10

					(aromatic amino acid transporter) (SLC16A10); mRNA >gi|44890781|gb|BC066985.1| Homo sapiens solute carrier family 16; member 10 (aromatic amino acid transporter); mRNA (cDNA clone MGC:87624 IMAGE:4827423);
Ssc.16893.1.S1_at	-1.15	0.0499	ARFIP1	NM_001025595.1	Homo sapiens ADP-ribosylation factor interacting protein 1 (ARFIP1); transcript variant 1; mRNA
Ssc.14524.1.S1_at	-1.15	0.0335	CTSL2	NM_001333.2	Homo sapiens cathepsin L2 (CTSL2); mRNA
Ssc.19040.1.A1_at	-1.15	0.0151	FBXL7	NM_012304.3	Homo sapiens F-box and leucine-rich repeat protein 7 (FBXL7); mRNA
Ssc.6522.1.A1_at	-1.16	0.0037	OSTM1	NM_014028.3	Homo sapiens osteopetrosis associated transmembrane protein 1 (OSTM1); mRNA
Ssc.10466.1.A1_at	-1.16	0.0467	LIMCH1	NM_001112720.1	Homo sapiens LIM and calponin homology domains 1 (LIMCH1); transcript variant 5; mRNA
Ssc.17610.2.A1_at	-1.16	0.0144	DNAJB6	NM_058246.3	Homo sapiens DnaJ (Hsp40) homolog; subfamily B; member 6 (DNAJB6); transcript variant 1; mRNA
Ssc.5170.1.S1_at	-1.16	0.0172	DHX37	NM_032656.2	Homo sapiens DEAH (Asp-Glu-Ala-His) box polypeptide 37 (DHX37); mRNA
Ssc.1578.1.S1_at	-1.16	0.0057	GGA2	NM_015044.3	Homo sapiens golgi associated; gamma adaptin ear containing; ARF binding protein 2 (GGA2); mRNA
Ssc.1849.1.A1_at	-1.16	0.0333	TSEN34	NM_001077446.1	Homo sapiens tRNA splicing endonuclease 34 homolog (S. cerevisiae) (TSEN34); transcript variant 2; mRNA
Ssc.11131.1.S1_at	-1.16	0.0272	VIM	NM_003380.2	Homo sapiens vimentin (VIM); mRNA
Ssc.16045.2.A1_at	-1.16	0.0163	FBN1	NM_000138.3	Homo sapiens fibrillin 1 (FBN1); mRNA
Ssc.25194.1.A1_at	-1.16	0.0312	KIAA0562	NM_014704.2	Homo sapiens KIAA0562 (KIAA0562); mRNA
Ssc.14470.1.S2_at	-1.16	0.0097	MSN	NM_002444.2	Homo sapiens moesin (MSN); mRNA
Ssc.21192.3.S1_at	-1.16	0.0370	MAP4K4	NM_145686.2	Homo sapiens mitogen-activated protein kinase kinase kinase kinase 4 (MAP4K4); transcript variant 2; mRNA
Ssc.14284.1.A1_at	-1.17	0.0149	ZNF436	NM_030634.2	Homo sapiens zinc finger protein 436 (ZNF436); transcript variant 2; mRNA
Ssc.13250.1.A1_at	-1.17	0.0285	FCHSD2	NM_014824.2	Homo sapiens FCH and double SH3 domains 2 (FCHSD2); mRNA

Ssc.9284.2.A1_at	-1.17	0.0415	FAM62B	NM_020728.2	Homo sapiens family with sequence similarity 62 (C2 domain containing) member B (FAM62B); mRNA
Ssc.13758.1.A1_at	-1.17	0.0058	RAP2A	NM_021033.6	Homo sapiens RAP2A; member of RAS oncogene family (RAP2A); mRNA
Ssc.2853.2.S1_at	-1.17	0.0178	THAP11	NM_020457.2	Homo sapiens THAP domain containing 11 (THAP11); mRNA
Ssc.4233.1.S1_at	-1.17	0.0318	OSBPL11	NM_022776.4	Homo sapiens oxysterol binding protein-like 11 (OSBPL11); mRNA
Ssc.11623.1.A1_at	-1.17	0.0426	LAMA2	NM_001079823.1	Homo sapiens laminin; alpha 2 (LAMA2); transcript variant 2; mRNA
Ssc.25708.1.A1_at	-1.17	0.0026	PTPN9	NM_002833.2	Homo sapiens protein tyrosine phosphatase; non-receptor type 9 (PTPN9); mRNA
Ssc.25002.1.S1_at	-1.17	0.0316	TCF7L1	NM_031283.1	Homo sapiens transcription factor 7-like 1 (T-cell specific; HMG-box) (TCF7L1); mRNA >gi|11230857| dbj|AB031046.1| Homo sapiens mRNA for HMG-box transcription factor TCF-3; complete cds
Ssc.18181.1.A1_at	-1.17	0.0168	B9D2	NM_030578.2	Homo sapiens B9 protein domain 2 (B9D2); mRNA >gi|33869650|gb|BC004157.2| Homo sapiens B9 protein domain 2; mRNA (cDNA clone MGC:2435 IMAGE:2819388); complete cds
Ssc.7610.1.S1_at	-1.17	0.0357	DAZAP2	NM_001136268.1	Homo sapiens DAZ associated protein 2 (DAZAP2); transcript variant 5; mRNA
Ssc.2230.2.S1_at	-1.17	0.0020	WIPF2	NM_133264.4	Homo sapiens WAS/WASL interacting protein family; member 2 (WIPF2); mRNA
Ssc.11298.1.S1_at	-1.18	0.0030	PPT2	NM_138717.1	Homo sapiens palmitoyl-protein thioesterase 2 (PPT2); transcript variant 2; mRNA
Ssc.3392.1.A1_at	-1.18	0.0006	ZFP36L2	NM_006887.4	Homo sapiens zinc finger protein 36; C3H type-like 2 (ZFP36L2); mRNA
Ssc.19333.3.S1_at	-1.18	0.0317	TRIM27	NM_006510.4	Homo sapiens tripartite motif-containing 27 (TRIM27); mRNA
Ssc.1735.1.S1_at	-1.18	0.0487	ACSL1	NM_001995.2	Homo sapiens acyl-CoA synthetase long-chain family member 1 (ACSL1); mRNA
Ssc.18195.1.S1_at	-1.18	0.0489	KLHL12	NM_021633.2	Homo sapiens kelch-like 12 (Drosophila) (KLHL12); mRNA >gi|14042495|dbj|AK027656.1| Homo sapiens cDNA FLJ14750 fis; clone NT2RP3002948; weakly

					similar to RING CANAL PROTEIN
Ssc.26477.1.A1_at	-1.18	0.0100	PALB2	NM_024675.3	Homo sapiens partner and localizer of BRCA2 (PALB2); mRNA
Ssc.6157.1.A1_at	-1.18	0.0320	ZNF521	NM_015461.1	Homo sapiens zinc finger protein 521 (ZNF521); mRNA >gi|14041973|dbj|AK027354.1| Homo sapiens cDNA FLJ14448 fis; clone HEMBB1001482; weakly similar to ZINC FINGER PROTEIN 91
Ssc.19206.1.A1_at	-1.18	0.0492	PARP8	NM_024615.2	Homo sapiens poly (ADP-ribose) polymerase family; member 8 (PARP8); mRNA >gi|21740249|emb|AL834477.1|HSM805580 Homo sapiens mRNA; cDNA DKFZp762K2011 (from clone DKFZp762K2011)
Ssc.24111.1.S1_at	-1.19	0.0499	ZNF684	NM_152373.2	Homo sapiens zinc finger protein 684 (ZNF684); mRNA >gi|21753057|dbj|AK094072.1| Homo sapiens cDNA FLJ36753 fis; clone UTERU2017761; highly similar to Zinc finger protein 684
Ssc.29094.1.A1_at	-1.19	0.0283	ECT2	NM_018098.4	Homo sapiens epithelial cell transforming sequence 2 oncogene (ECT2); mRNA
Ssc.3799.3.A1_a_at	-1.19	0.0292	RBPMS	NM_001008712.1	Homo sapiens RNA binding protein with multiple splicing (RBPMS); transcript variant 3; mRNA
Ssc.8821.1.A1_at	-1.19	0.0204	MEX3C	NM_016626.3	Homo sapiens mex-3 homolog C (C. elegans) (MEX3C); mRNA
Ssc.3574.1.A1_at	-1.19	0.0424	MAP4K4	NM_004834.3	Homo sapiens mitogen-activated protein kinase kinase kinase kinase 4 (MAP4K4); transcript variant 1; mRNA
Ssc.9714.2.S1_at	-1.19	0.0252	LMO4	NM_006769.3	Homo sapiens LIM domain only 4 (LMO4); mRNA
Ssc.17048.1.A1_at	-1.19	0.0000	TMEM85	NM_016454.2	Homo sapiens transmembrane protein 85 (TMEM85); mRNA >gi|7106757|gb|AF151018.1|AF151018 Homo sapiens HSPC184 mRNA; complete cds
Ssc.10245.2.A1_a_at	-1.19	0.0119	DCN	NM_133504.2	Homo sapiens decorin (DCN); transcript variant B; mRNA
Ssc.1314.1.S1_at	-1.19	0.0241	WDR19	NM_025132.3	Homo sapiens WD repeat domain 19 (WDR19); mRNA
Ssc.24360.1.S1_a_at	-1.19	0.0086	SLC17A5	NM_012434.4	Homo sapiens solute carrier family 17 (anion/sugar transporter); member 5 (SLC17A5); mRNA

Ssc.432.1.S1_at	-1.19	0.0040	BIRC5	NM_001168.2	Homo sapiens baculoviral IAP repeat-containing 5 (BIRC5); transcript variant 1; mRNA
Ssc.25853.1.A1_at	-1.19	0.0304	RAB23	NM_183227.1	Homo sapiens RAB23; member RAS oncogene family (RAB23); transcript variant 2; mRNA
Ssc.3669.1.A1_a_at	-1.19	0.0029	TRNAU1AP	NR_003109.1	Homo sapiens tRNA selenocysteine 1 associated protein 1 (TRNAU1AP); transcript variant 2; transcribed RNA
Ssc.3574.2.A1_at	-1.19	0.0139	MAP4K4	NM_004834.3	Homo sapiens mitogen-activated protein kinase kinase kinase kinase 4 (MAP4K4); transcript variant 1; mRNA
Ssc.27240.1.S1_at	-1.20	0.0239	PDRG1	NM_030815.2	Homo sapiens p53 and DNA damage regulated 1 (PDRG1); mRNA
Ssc.19273.2.S1_at	-1.20	0.0387	JARID1A	NM_001042603.1	Homo sapiens jumonji; AT rich interactive domain 1A (JARID1A); transcript variant 1; mRNA
Ssc.20989.1.A1_at	-1.20	0.0348	SLC40A1	NM_014585.5	Homo sapiens solute carrier family 40 (iron-regulated transporter); member 1 (SLC40A1); mRNA
Ssc.5715.1.S1_at	-1.20	0.0027	FAM118B	NM_024556.2	Homo sapiens family with sequence similarity 118; member B (FAM118B); mRNA
Ssc.7850.1.A1_at	-1.20	0.0164	SMC4	NM_005496.3	Homo sapiens structural maintenance of chromosomes 4 (SMC4); transcript variant 1; mRNA
Ssc.11089.1.S1_at	-1.20	0.0010	RILPL2	NM_145058.1	Homo sapiens Rab interacting lysosomal protein-like 2 (RILPL2); mRNA >gi|16552466|dbj|AK056934.1| Homo sapiens cDNA FLJ32372 fis; clone SALGL1000005
Ssc.12356.1.A1_at	-1.20	0.0266	C7orf23	NM_024315.2	Homo sapiens chromosome 7 open reading frame 23 (C7orf23); mRNA >gi|33877239|gb|BC002837.2| Homo sapiens chromosome 7 open reading frame 23; mRNA (cDNA clone MGC:4175 IMAGE:3634983); complete cds
Ssc.11079.1.A1_at	-1.20	0.0273	RNASE4	NM_194431.1	Homo sapiens ribonuclease; RNase A family; 4 (RNASE4); transcript variant 3; mRNA
Ssc.16975.2.A1_at	-1.20	0.0173	TANC2	NM_025185.3	Homo sapiens tetratricopeptide repeat; ankyrin repeat and coiled-coil containing 2 (TANC2); mRNA
Ssc.27893.2.S1_at	-1.20	0.0063	PHF20	NM_016436.4	Homo sapiens PHD finger protein 20 (PHF20); mRNA
Ssc.4152.1.A1_at	-1.20	0.0364	AKR1C1	NM_001353.5	Homo sapiens aldo-keto reductase family 1; member

					C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase) (AKR1C1); mRNA
Ssc.30643.1.A1_at	-1.20	0.0377	L3MBTL3	NM_032438.1	Homo sapiens l(3)mbt-like 3 (Drosophila) (L3MBTL3); transcript variant 1; mRNA
Ssc.2851.2.A1_at	-1.20	0.0444	GEMIN5	NM_015465.3	Homo sapiens gem (nuclear organelle) associated protein 5 (GEMIN5); mRNA
Ssc.1078.2.A1_at	-1.21	0.0257	CREG1	NM_003851.2	Homo sapiens cellular repressor of E1A-stimulated genes 1 (CREG1); mRNA
Ssc.27226.1.A1_at	-1.21	0.0319	TTC39C	NM_001135993.1	Homo sapiens tetratricopeptide repeat domain 39C (TTC39C); transcript variant 1; mRNA
Ssc.25092.1.A1_at	-1.21	0.0050	MEX3D	NM_203304.3	Homo sapiens mex-3 homolog D (C. elegans) (MEX3D); mRNA
Ssc.5404.1.S1_at	-1.21	0.0482	MOSPD1	NM_019556.1	Homo sapiens motile sperm domain containing 1 (MOSPD1); mRNA >gi|6752286|emb|AL137163.1| HS473B041 Novel human gene mapping to chomosome X
Ssc.9035.1.A1_at	-1.21	0.0015	PRSS23	NM_007173.4	Homo sapiens protease; serine; 23 (PRSS23); mRNA
Ssc.12546.1.A1_at	-1.21	0.0018	LONP2	NM_031490.2	Homo sapiens lon peptidase 2; peroxisomal (LONP2); mRNA >gi|28804186|emb|AJ548761.1|HSA548761 Homo sapiens mRNA for for peroxisomal lon protease (LONP gene)
Ssc.2971.1.S1_at	-1.21	0.0145	TNS1	NM_022648.4	Homo sapiens tensin 1 (TNS1); mRNA
Ssc.9498.1.S1_at	-1.21	0.0176	TAX1BP3	NM_014604.2	Homo sapiens Tax1 (human T-cell leukemia virus type I) binding protein 3 (TAX1BP3); mRNA
Ssc.30916.1.A1_at	-1.21	0.0247	AMIGO2	NM_181847.3	Homo sapiens adhesion molecule with Ig-like domain 2 (AMIGO2); mRNA
Ssc.11681.1.A1_at	-1.21	0.0069	STX6	NM_005819.4	Homo sapiens syntaxin 6 (STX6); mRNA
Ssc.10771.1.A1_at	-1.21	0.0117	UBTD2	NM_152277.2	Homo sapiens ubiquitin domain containing 2 (UBTD2); mRNA
Ssc.31127.1.A1_at	-1.21	0.0354	TMTC4	NM_032813.2	Homo sapiens transmembrane and tetratricopeptide repeat containing 4 (TMTC4); transcript variant 1; mRNA
Ssc.8072.1.A1_at	-1.21	0.0099	LTBP1	NM_206943.1	Homo sapiens latent transforming growth factor beta binding protein 1 (LTBP1); transcript variant 1; mRNA
Ssc.19866.1.S1_at	-1.21	0.0262	CA3	NM_005181.3	Homo sapiens carbonic anhydrase III; muscle specific

					(CA3); mRNA
Ssc.12786.1.A1_at	-1.21	0.0205	SAP30	NM_003864.3	Homo sapiens Sin3A-associated protein; 30kDa (SAP30); mRNA
Ssc.18489.2.S1_at	-1.21	0.0407	MAP3K3	NM_203351.1	Homo sapiens mitogen-activated protein kinase kinase kinase 3 (MAP3K3); transcript variant 1; mRNA
Ssc.26748.1.A1_at	-1.21	0.0069	HOXA9	NM_152739.3	Homo sapiens homeobox A9 (HOXA9); mRNA
Ssc.19873.2.S1_at	-1.21	0.0270	CREB3L2	NM_194071.2	Homo sapiens cAMP responsive element binding protein 3-like 2 (CREB3L2); mRNA
Ssc.4848.1.S1_at	-1.22	0.0260	CNN3	NM_001839.3	Homo sapiens calponin 3; acidic (CNN3); mRNA
Ssc.4345.1.S2_at	-1.22	0.0365	COL4A1	NM_001845.4	Homo sapiens collagen; type IV; alpha 1 (COL4A1); mRNA
Ssc.2397.1.A1_at	-1.22	0.0209	NOPE	NM_020962.1	Homo sapiens neighbor of Punc E11 (NOPE); mRNA >gi|19570397|dbj|AB052622.1| Homo sapiens hDDM36 mRNA; complete cds
Ssc.16824.1.A1_at	-1.22	0.0440	ITM2C	NM_001012514.1	Homo sapiens integral membrane protein 2C (ITM2C); transcript variant 3; mRNA
Ssc.24928.1.S1_at	-1.22	0.0368	CECR2	NM_031413.2	Homo sapiens cat eye syndrome chromosome region; candidate 2 (CECR2); mRNA
Ssc.27086.1.S1_at	-1.22	0.0300	ETFDH	NM_004453.2	Homo sapiens electron-transferring-flavoprotein dehydrogenase (ETFDH); nuclear gene encoding mitochondrial protein; mRNA
Ssc.9245.1.S1_at	-1.22	0.0038	GALM	NM_138801.1	Homo sapiens galactose mutarotase (aldose 1-epimerase) (GALM); mRNA >gi|17939436|gb|BC019263.1| Homo sapiens galactose mutarotase (aldose 1-epimerase); mRNA (cDNA clone MGC:3215 IMAGE:3502667); complete cds
Ssc.4306.1.A1_at	-1.22	0.0336	MESDC1	NM_022566.2	Homo sapiens mesoderm development candidate 1 (MESDC1); mRNA
Ssc.29544.1.A1_at	-1.22	0.0455	RC3H1	NM_172071.2	Homo sapiens ring finger and CCCH-type zinc finger domains 1 (RC3H1); mRNA
Ssc.13549.1.A1_at	-1.22	0.0002	STARD3NL	NM_032016.2	Homo sapiens STARD3 N-terminal like (STARD3NL); mRNA >gi|25136919|emb|AJ492267.1|HSA492267 Homo sapiens mRNA for MLN64 N-terminal homolog protein (MENTHO gene)
Ssc.7661.2.S1_at	-1.22	0.0463	HABP4	NM_014282.2	Homo sapiens hyaluronan binding protein 4 (HABP4);

					mRNA
Ssc.19823.1.A1_at	-1.22	0.0066	ABLIM1	NM_001003408.1	Homo sapiens actin binding LIM protein 1 (ABLIM1); transcript variant 3; mRNA
Ssc.12617.1.S1_at	-1.22	0.0368	COL5A3	NM_015719.3	Homo sapiens collagen; type V; alpha 3 (COL5A3); mRNA
Ssc.26296.1.S1_at	-1.23	0.0023	TRAM2	NM_012288.3	Homo sapiens translocation associated membrane protein 2 (TRAM2); mRNA
Ssc.21869.1.S1_at	-1.23	0.0202	SKAP2	NM_003930.3	Homo sapiens src kinase associated phosphoprotein 2 (SKAP2); mRNA
Ssc.1466.1.A1_at	-1.23	0.0461	AURKA	NM_003600.2	Homo sapiens aurora kinase A (AURKA); transcript variant 2; mRNA
Ssc.30414.1.A1_at	-1.23	0.0049	KIAA2013	NM_138346.1	Homo sapiens KIAA2013 (KIAA2013); mRNA
Ssc.10184.1.S1_at	-1.23	0.0127	S100PBP	NM_022753.2	Homo sapiens S100P binding protein (S100PBP); transcript variant 1; mRNA
Ssc.9611.1.A1_at	-1.23	0.0066	SESN1	NM_014454.1	Homo sapiens sestrin 1 (SESN1); mRNA >gi|4092862|gb|AF033122.1|AF033122 Homo sapiens non-p53 regulated PA26-T1 nuclear protein (PA26) mRNA; complete cds
Ssc.14997.1.A1_at	-1.23	0.0020	TRIM27	NM_006510.4	Homo sapiens tripartite motif-containing 27 (TRIM27); mRNA
Ssc.1121.1.S1_at	-1.23	0.0336	PDK4	NM_002612.3	Homo sapiens pyruvate dehydrogenase kinase; isozyme 4 (PDK4); mRNA
Ssc.5122.1.A1_at	-1.23	0.0165	PIM2	NM_006875.3	Homo sapiens pim-2 oncogene (PIM2); mRNA
Ssc.10199.2.S1_a_at	-1.24	0.0482	DTNBP1	NM_183040.1	Homo sapiens dystrobrevin binding protein 1 (DTNBP1); transcript variant 2; mRNA
Ssc.8312.1.A1_at	-1.24	0.0003	CDYL	NM_170751.1	Homo sapiens chromodomain protein; Y-like (CDYL); transcript variant 2; mRNA
Ssc.7036.1.A1_at	-1.24	0.0101	ZNF32	NM_006973.2	Homo sapiens zinc finger protein 32 (ZNF32); transcript variant 1; mRNA
Ssc.8330.1.S1_at	-1.24	0.0131	RGS5	NM_003617.2	Homo sapiens regulator of G-protein signaling 5 (RGS5); mRNA
Ssc.22305.1.A1_at	-1.24	0.0238	DAPK1	NM_004938.2	Homo sapiens death-associated protein kinase 1 (DAPK1); mRNA
Ssc.5403.1.S1_at	-1.24	0.0423	ZNF703	NM_025069.1	Homo sapiens zinc finger protein 703 (ZNF703); mRNA >gi|10436728|dbj|AK024361.1| Homo sapiens

					cDNA FLJ14299 fis; clone PLACE1010310; weakly similar to SPIDROIN 2
Ssc.8368.1.A1_at	-1.24	0.0001	PDZD8	NM_173791.3	Homo sapiens PDZ domain containing 8 (PDZD8); mRNA
Ssc.18206.1.S1_at	-1.24	0.0065	BACE2	NM_012105.3	Homo sapiens beta-site APP-cleaving enzyme 2 (BACE2); transcript variant a; mRNA
Ssc.20273.1.S1_at	-1.24	0.0100	ZFP36L1	NM_004926.2	Homo sapiens zinc finger protein 36; C3H type-like 1 (ZFP36L1); mRNA
Ssc.5604.1.S1_at	-1.24	0.0137	PROS1	NM_000313.2	Homo sapiens protein S (alpha) (PROS1); mRNA
Ssc.7529.1.S1_at	-1.24	0.0118	RPS23	NM_001025.4	Homo sapiens ribosomal protein S23 (RPS23); mRNA
Ssc.4913.1.A1_at	-1.24	0.0056	ENPP1	NM_006208.2	Homo sapiens ectonucleotide pyrophosphatase/phosphodiesterase 1 (ENPP1); mRNA
Ssc.9547.1.S1_at	-1.24	0.0090	SLC30A5	NM_022902.2	Homo sapiens solute carrier family 30 (zinc transporter); member 5 (SLC30A5); transcript variant 1; mRNA >gi|19744303|gb|AF461760.1| Homo sapiens zinc transporter 5 (ZNT5) mRNA; complete cds
Ssc.29216.1.A1_at	-1.24	0.0069	LAYN	NM_178834.3	Homo sapiens layilin (LAYN); mRNA
Ssc.8529.1.A1_at	-1.24	0.0104	ZFP36L1	NM_004926.2	Homo sapiens zinc finger protein 36; C3H type-like 1 (ZFP36L1); mRNA
Ssc.9087.1.A1_at	-1.25	0.0390	MGC16121	XM_001715872.1	PREDICTED: Homo sapiens hypothetical protein MGC16121 (MGC16121); mRNA
Ssc.11167.1.A1_at	-1.25	0.0002	RMND5B	NM_022762.3	Homo sapiens required for meiotic nuclear division 5 homolog B (S. cerevisiae) (RMND5B); mRNA >gi|33869728|gb|BC009911.2| Homo sapiens required for meiotic nuclear division 5 homolog B (S. cerevisiae); mRNA (cDNA clone MGC:2688 IMAGE:2820100); complete cd
Ssc.3799.3.A1_at	-1.25	0.0153	RBPMS	NM_001008710.1	Homo sapiens RNA binding protein with multiple splicing (RBPMS); transcript variant 1; mRNA
Ssc.17330.1.A1_at	-1.25	0.0394	NSMCE4A	NM_017615.1	Homo sapiens non-SMC element 4 homolog A (S. cerevisiae) (NSMCE4A); mRNA >gi|7019814|dbj|AK000010.1| Homo sapiens cDNA FLJ20003 fis; clone ADKA01794

Ssc.20414.1.S1_at	-1.25	0.0129	PLOD3	NM_001084.4	Homo sapiens procollagen-lysine; 2-oxoglutarate 5-dioxygenase 3 (PLOD3); mRNA
Ssc.5282.1.S1_at	-1.25	0.0304	CREB3L4	NM_130898.2	Homo sapiens cAMP responsive element binding protein 3-like 4 (CREB3L4); mRNA >gi|27260906|dbj|AB052778.1| Homo sapiens hJAL mRNA; complete cds
Ssc.1078.1.A1_at	-1.25	0.0060	CREG1	NM_003851.2	Homo sapiens cellular repressor of E1A-stimulated genes 1 (CREG1); mRNA
Ssc.23026.1.A1_at	-1.25	0.0375	C6orf168	NM_032511.2	Homo sapiens chromosome 6 open reading frame 168 (C6orf168); mRNA
Ssc.26271.1.S1_at	-1.25	0.0060	EBNA1BP2	NM_006824.1	Homo sapiens EBNA1 binding protein 2 (EBNA1BP2); mRNA >gi|1835785|gb|U86602.1|HSU86602 Human nucleolar protein p40 mRNA; complete cds
Ssc.8072.2.A1_at	-1.25	0.0090	LTBP1	NM_206943.1	Homo sapiens latent transforming growth factor beta binding protein 1 (LTBP1); transcript variant 1; mRNA
Ssc.7790.1.S1_at	-1.26	0.0091	WDR51B	NM_172240.1	Homo sapiens WD repeat domain 51B (WDR51B); mRNA >gi|22760435|dbj|AK074772.1| Homo sapiens cDNA FLJ90291 fis; clone NT2RP1001031; weakly similar to VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1
Ssc.19192.2.A1_at	-1.26	0.0027	C20orf108	NM_080821.2	Homo sapiens chromosome 20 open reading frame 108 (C20orf108); mRNA
Ssc.13494.1.A1_at	-1.26	0.0061	LHFP	NM_005780.2	Homo sapiens lipoma HMGIC fusion partner (LHFP); mRNA
Ssc.28050.1.A1_at	-1.26	0.0487	HIST2H2BF	NM_001024599.2	Homo sapiens histone cluster 2; H2bf (HIST2H2BF); mRNA >gi|84570000|gb|BC110793.1| Homo sapiens histone cluster 2; H2bf; mRNA (cDNA clone MGC:131639 IMAGE:5224812); complete cds
Ssc.11787.2.A1_at	-1.26	0.0179	RASSF2	NM_014737.2	Homo sapiens Ras association (RalGDS/AF-6) domain family member 2 (RASSF2); transcript variant 1; mRNA
Ssc.1116.1.S1_at	-1.26	0.0129	CPD	NM_001304.3	Homo sapiens carboxypeptidase D (CPD); mRNA
Ssc.7070.1.S1_at	-1.26	0.0075	SESN1	NM_014454.1	Homo sapiens sestrin 1 (SESN1); mRNA >gi|4092862|gb|AF033122.1|AF033122 Homo sapiens non-p53 regulated PA26-T1 nuclear protein (PA26)

					mRNA; complete cds
Ssc.16714.1.S1_at	-1.26	0.0329	REEP4	NM_025232.2	Homo sapiens receptor accessory protein 4 (REEP4); mRNA >gi|15341768|gb|BC013048.1| Homo sapiens receptor accessory protein 4; mRNA (cDNA clone MGC:9377 IMAGE:3863838); complete cds
Ssc.12229.1.S1_at	-1.26	0.0485	CKS2	NM_001827.1	Homo sapiens CDC28 protein kinase regulatory subunit 2 (CKS2); mRNA >gi|29978|emb|X54942.1| HSCKSHS2 H.sapiens ckshs2 mRNA for Cks1 protein homologue
Ssc.29939.1.S1_at	-1.26	0.0240	FLJ42709	NR_021491.1	Homo sapiens hypothetical gene supported by AK124699 (FLJ42709); non-coding RNA
Ssc.6270.1.S1_at	-1.26	0.0075	IMP4	NM_033416.1	Homo sapiens IMP4; U3 small nucleolar ribonucleoprotein; homolog (yeast) (IMP4); mRNA >gi|14603152|gb|BC010042.1| Homo sapiens IMP4; U3 small nucleolar ribonucleoprotein; homolog (yeast); mRNA (cDNA clone MGC:19606 IMAGE:3629513); complete cds
Ssc.1367.1.A1_at	-1.27	0.0053	SPAG1	NM_172218.1	Homo sapiens sperm associated antigen 1 (SPAG1); transcript variant 2; mRNA
Ssc.14025.1.A1_at	-1.27	0.0302	LEF1	NM_001130713.1	Homo sapiens lymphoid enhancer-binding factor 1 (LEF1); transcript variant 2; mRNA
Ssc.5953.1.S1_at	-1.27	0.0000	C14orf119	NM_017924.2	Homo sapiens chromosome 14 open reading frame 119 (C14orf119); mRNA >gi|16307113|gb|BC009645.1| Homo sapiens chromosome 14 open reading frame 119; mRNA (cDNA clone MGC:4950 IMAGE:3458006); complete cds
Ssc.11663.1.A1_at	-1.27	0.0128	TRIM13	NM_052811.2	Homo sapiens tripartite motif-containing 13 (TRIM13); transcript variant 2; mRNA
Ssc.3931.1.S1_at	-1.27	0.0285	FHL3	NM_004468.3	Homo sapiens four and a half LIM domains 3 (FHL3); mRNA
Ssc.8904.1.A1_at	-1.27	0.0499	ADAMTSL3	NM_207517.2	Homo sapiens ADAMTS-like 3 (ADAMTSL3); mRNA
Ssc.11415.1.A1_at	-1.27	0.0012	LAMA2	NM_001079823.1	Homo sapiens laminin; alpha 2 (LAMA2); transcript variant 2; mRNA
Ssc.18187.2.S1_at	-1.27	0.0023	CCNE1	NM_057182.1	Homo sapiens cyclin E1 (CCNE1); transcript variant 2; mRNA

Ssc.13553.1.A1_at	-1.27	0.0056	GNA14	NM_004297.2	Homo sapiens guanine nucleotide binding protein (G protein); alpha 14 (GNA14); mRNA >gi|24081078|gb|BC027886.1| Homo sapiens guanine nucleotide binding protein (G protein); alpha 14; mRNA (cDNA clone MGC:34487 IMAGE:5221889); complete cds
Ssc.20424.1.S1_at	-1.27	0.0032	SIAH2	NM_005067.5	Homo sapiens seven in absentia homolog 2 (Drosophila) (SIAH2); mRNA
Ssc.6578.1.S1_at	-1.27	0.0241	TBX3	NM_016569.3	Homo sapiens T-box 3 (TBX3); transcript variant 2; mRNA
Ssc.9560.1.S1_at	-1.27	0.0004	RPL11	NM_000975.2	Homo sapiens ribosomal protein L11 (RPL11); mRNA
Ssc.14227.1.A1_at	-1.27	0.0034	POGK	NM_017542.3	Homo sapiens pogo transposable element with KRAB domain (POGK); mRNA
Ssc.17615.1.S1_at	-1.28	0.0016	ATP1B1	NM_001677.3	Homo sapiens ATPase; Na+/K+ transporting; beta 1 polypeptide (ATP1B1); transcript variant 1; mRNA
Ssc.27616.1.S1_at	-1.28	0.0027	CDK2	NM_001798.3	Homo sapiens cyclin-dependent kinase 2 (CDK2); transcript variant 1; mRNA
Ssc.20424.3.S1_a_at	-1.28	0.0062	SIAH2	NM_005067.5	Homo sapiens seven in absentia homolog 2 (Drosophila) (SIAH2); mRNA
Ssc.18603.1.A1_at	-1.28	0.0212	G0S2	NM_015714.3	Homo sapiens G0/G1switch 2 (G0S2); mRNA
Ssc.19613.3.A1_at	-1.28	0.0402	ARMC6	NM_033415.2	Homo sapiens armadillo repeat containing 6 (ARMC6); mRNA
Ssc.7136.1.A1_at	-1.28	0.0309	CDC2L6	NM_015076.3	Homo sapiens cell division cycle 2-like 6 (CDK8-like) (CDC2L6); mRNA
Ssc.5713.1.S1_at	-1.29	0.0084	MMP2	NM_004530.4	Homo sapiens matrix metallopeptidase 2 (gelatinase A; 72kDa gelatinase; 72kDa type IV collagenase) (MMP2); transcript variant 1; mRNA
Ssc.24969.1.S1_at	-1.29	0.0095	KRCC1	NM_016618.1	Homo sapiens lysine-rich coiled-coil 1 (KRCC1); mRNA >gi|7582277|gb|AF208845.1|AF208845 Homo sapiens BM-003 mRNA; complete cds
Ssc.21360.1.A1_at	-1.29	0.0137	CLSPN	NM_022111.2	Homo sapiens claspin homolog (Xenopus laevis) (CLSPN); mRNA
Ssc.6512.1.S1_at	-1.29	0.0204	SCARA5	NM_173833.4	Homo sapiens scavenger receptor class A; member 5 (putative) (SCARA5); mRNA
Ssc.5800.1.A1_at	-1.29	0.0095	BEND7	NM_001100912.1	Homo sapiens BEN domain containing 7 (BEND7); transcript variant 2; mRNA

Ssc.19675.1.S1_at	-1.29	0.0011	RACGAP1	NM_001126104.1	Homo sapiens Rac GTPase activating protein 1 (RACGAP1); transcript variant 3; mRNA
Ssc.19691.1.S1_at	-1.29	0.0117	PLA2G7	NM_005084.3	Homo sapiens phospholipase A2; group VII (platelet-activating factor acetylhydrolase; plasma) (PLA2G7); mRNA
Ssc.9693.1.A1_at	-1.30	0.0115	TMEM100	NM_001099640.1	Homo sapiens transmembrane protein 100 (TMEM100); transcript variant 1; mRNA
Ssc.26290.1.S1_at	-1.30	0.0138	ITGB5	NM_002213.3	Homo sapiens integrin; beta 5 (ITGB5); mRNA >gi|33869594|gb|BC006541.2| Homo sapiens integrin; beta 5; mRNA (cDNA clone MGC:2338 IMAGE:2958666); complete cds
Ssc.25678.1.S1_at	-1.30	0.0297	LOC100130890	XM_001721586.1	PREDICTED: Homo sapiens similar to hCG2030844; transcript variant 1 (LOC100130890); mRNA
Ssc.4580.1.A1_at	-1.30	0.0330	UBTD2	NM_152277.2	Homo sapiens ubiquitin domain containing 2 (UBTD2); mRNA
Ssc.30401.1.A1_at	-1.30	0.0031	KDELC2	NM_153705.4	Homo sapiens KDEL (Lys-Asp-Glu-Leu) containing 2 (KDELC2); mRNA
Ssc.28673.1.S1_at	-1.31	0.0273	CXCR7	NM_020311.2	Homo sapiens chemokine (C-X-C motif) receptor 7 (CXCR7); mRNA
Ssc.19571.2.S1_at	-1.31	0.0204	ABHD4	NM_022060.2	Homo sapiens abhydrolase domain containing 4 (ABHD4); mRNA
Ssc.16934.1.S1_at	-1.31	0.0089	FDXR	NM_024417.2	Homo sapiens ferredoxin reductase (FDXR); nuclear gene encoding mitochondrial protein; transcript variant 1; mRNA
Ssc.3394.1.A1_at	-1.31	0.0347	CDR2	NM_001802.1	Homo sapiens cerebellar degeneration-related protein 2; 62kDa (CDR2); mRNA
Ssc.4679.1.S1_at	-1.31	0.0059	ANG	NM_001145.4	Homo sapiens angiogenin; ribonuclease; RNase A family; 5 (ANG); transcript variant 1; mRNA
Ssc.21605.2.S1_at	-1.32	0.0383	NUSAP1	NM_016359.3	Homo sapiens nucleolar and spindle associated protein 1 (NUSAP1); transcript variant 1; mRNA
Ssc.9896.1.A1_at	-1.32	0.0478	ST8SIA1	NM_003034.3	Homo sapiens ST8 alpha-N-acetyl-neuraminide alpha-2;8-sialyltransferase 1 (ST8SIA1); mRNA
Ssc.5169.1.A1_at	-1.32	0.0451	HTRA3	NM_053044.2	Homo sapiens HtrA serine peptidase 3 (HTRA3); mRNA >gi|21706740|gb|BC034390.1| Homo sapiens HtrA serine peptidase 3; mRNA (cDNA clone

					MGC:35339 IMAGE:5180585); complete cds
Ssc.1086.1.A1_at	-1.33	0.0388	MFAP5	NM_003480.2	Homo sapiens microfibrillar associated protein 5 (MFAP5); mRNA
Ssc.30871.1.A1_at	-1.33	0.0499	TP53INP1	NM_001135733.1	Homo sapiens tumor protein p53 inducible nuclear protein 1 (TP53INP1); transcript variant 2; mRNA
Ssc.28616.1.S1_at	-1.33	0.0176	FBXL21	NM_012159.2	Homo sapiens F-box and leucine-rich repeat protein 21 (FBXL21); mRNA
Ssc.18892.1.A1_at	-1.33	0.0496	TNNC2	NM_003279.2	Homo sapiens troponin C type 2 (fast) (TNNC2); mRNA
Ssc.21626.2.S1_at	-1.34	0.0448	GAS1	NM_002048.2	Homo sapiens growth arrest-specific 1 (GAS1); mRNA
Ssc.17974.1.A1_at	-1.34	0.0180	TTC9	NM_015351.1	Homo sapiens tetratricopeptide repeat domain 9 (TTC9); mRNA
Ssc.5708.1.A1_at	-1.34	0.0089	PLSCR4	NM_001128305.1	Homo sapiens phospholipid scramblase 4 (PLSCR4); transcript variant 3; mRNA
Ssc.24873.1.S1_at	-1.34	0.0262	CBX2	NM_005189.1	Homo sapiens chromobox homolog 2 (Pc class homolog; Drosophila) (CBX2); transcript variant 1; mRNA
Ssc.13414.1.A1_at	-1.34	0.0006	L3MBTL3	NM_032438.1	Homo sapiens l(3)mbt-like 3 (Drosophila) (L3MBTL3); transcript variant 1; mRNA
Ssc.7382.1.A1_s_at	-1.35	0.0304	CCDC52	NM_144718.3	Homo sapiens coiled-coil domain containing 52 (CCDC52); mRNA
Ssc.21928.1.A1_at	-1.35	0.0045	PM20D2	NM_001010853.1	Homo sapiens peptidase M20 domain containing 2 (PM20D2); mRNA
Ssc.5587.1.A1_at	-1.35	0.0000	NID1	NM_002508.2	Homo sapiens nidogen 1 (NID1); mRNA
Ssc.373.1.S1_at	-1.35	0.0295	LOC100133713	XM_001715885.1	PREDICTED: Homo sapiens hypothetical protein LOC100133713 (LOC100133713); mRNA
Ssc.1974.1.A1_at	-1.35	0.0217	TICAM2	NM_021649.4	Homo sapiens toll-like receptor adaptor molecule 2 (TICAM2); mRNA
Ssc.5129.1.S1_at	-1.36	0.0014	MAD2L1	NM_002358.3	Homo sapiens MAD2 mitotic arrest deficient-like 1 (yeast) (MAD2L1); mRNA
Ssc.6145.1.A1_at	-1.36	0.0153	CYBRD1	NM_024843.3	Homo sapiens cytochrome b reductase 1 (CYBRD1); transcript variant 1; mRNA
Ssc.28059.1.A1_at	-1.36	0.0003	RFFL	NM_057178.3	Homo sapiens ring finger and FYVE-like domain containing 1 (RFFL); transcript variant 1; mRNA
Ssc.24037.1.S1_at	-1.36	0.0040	KIAA1211	NM_020722.1	Homo sapiens KIAA1211 protein (KIAA1211); mRNA

Ssc.4141.1.A1_at	-1.37	0.0241	KCTD12	NM_138444.3	Homo sapiens potassium channel tetramerisation domain containing 12 (KCTD12); mRNA
Ssc.24731.1.A1_at	-1.37	0.0007	MEX3B	NM_032246.3	Homo sapiens mex-3 homolog B (C. elegans) (MEX3B); mRNA >gi|47077364|dbj|AK131424.1| Homo sapiens cDNA FLJ16544 fis; clone OCBBF3003761
Ssc.8144.1.A1_at	-1.37	0.0379	SLAIN1	NM_001040153.2	Homo sapiens SLAIN motif family; member 1 (SLAIN1); transcript variant 1; mRNA
Ssc.639.1.A1_at	-1.37	0.0412	GEM	NM_181702.1	Homo sapiens GTP binding protein overexpressed in skeletal muscle (GEM); transcript variant 2; mRNA
Ssc.10264.1.A1_at	-1.37	0.0498	PTPN3	NM_002829.2	Homo sapiens protein tyrosine phosphatase; non-receptor type 3 (PTPN3); mRNA
Ssc.24889.1.S1_at	-1.37	0.0429	ALOX12	NM_000697.2	Homo sapiens arachidonate 12-lipoxygenase (ALOX12); mRNA
Ssc.24807.1.A1_at	-1.37	0.0163	SLC38A4	NM_018018.3	Homo sapiens solute carrier family 38; member 4 (SLC38A4); mRNA
Ssc.6752.1.S1_at	-1.37	0.0043	BIVM	NM_017693.2	Homo sapiens basic; immunoglobulin-like variable motif containing (BIVM); mRNA >gi|21305830|gb|AF411385.1| Homo sapiens basic; immunoglobulin-like variable motif-containing protein (BIVM) mRNA; complete cds
Ssc.383.1.S1_at	-1.38	0.0315	HOPX	NM_139212.2	Homo sapiens HOP homeobox (HOPX); transcript variant 3; mRNA
Ssc.7158.1.A1_a_at	-1.38	0.0002	CAPNS1	NM_001749.2	Homo sapiens calpain; small subunit 1 (CAPNS1); transcript variant 1; mRNA
Ssc.11815.1.A1_s_at	-1.38	0.0000	LAMA2	NM_001079823.1	Homo sapiens laminin; alpha 2 (LAMA2); transcript variant 2; mRNA
Ssc.7116.1.A1_at	-1.38	0.0449	NT5C3	NM_001002009.1	Homo sapiens 5'-nucleotidase; cytosolic III (NT5C3); transcript variant 2; mRNA
Ssc.4899.1.S1_at	-1.38	0.0005	SRPX2	NM_014467.2	Homo sapiens sushi-repeat-containing protein; X-linked 2 (SRPX2); mRNA
Ssc.4770.1.A1_at	-1.39	0.0133	RNU6-1	NR_004394.1	Homo sapiens RNA; U6 small nuclear 1 (RNU6-1); non-coding RNA
Ssc.26552.1.A1_at	-1.39	0.0216	ADAMTS17	NM_139057.2	Homo sapiens ADAM metallopeptidase with thrombospondin type 1 motif; 17 (ADAMTS17); mRNA

Ssc.24441.2.S1_a_at	-1.40	0.0066	NPAS2	NM_002518.3	Homo sapiens neuronal PAS domain protein 2 (NPAS2); mRNA
Ssc.12842.1.S1_at	-1.40	0.0010	CAV1	NM_001753.3	Homo sapiens caveolin 1; caveolae protein; 22kDa (CAV1); mRNA
Ssc.27508.1.A1_at	-1.41	0.0001	SATB2	NM_015265.2	Homo sapiens SATB homeobox 2 (SATB2); mRNA
Ssc.19873.1.S1_a_at	-1.41	0.0020	CREB3L2	NM_194071.2	Homo sapiens cAMP responsive element binding protein 3-like 2 (CREB3L2); mRNA
Ssc.5453.1.A1_at	-1.41	0.0042	QPCT	NM_012413.3	Homo sapiens glutaminyl-peptide cyclotransferase (QPCT); mRNA
Ssc.3020.1.A1_at	-1.42	0.0000	IQGAP2	NM_006633.2	Homo sapiens IQ motif containing GTPase activating protein 2 (IQGAP2); mRNA
Ssc.17330.2.A1_at	-1.42	0.0002	NSMCE4A	NM_017615.1	Homo sapiens non-SMC element 4 homolog A (S. cerevisiae) (NSMCE4A); mRNA >gi|7019814|dbj| AK000010.1| Homo sapiens cDNA FLJ20003 fis; clone ADKA01794
Ssc.30963.1.A1_at	-1.42	0.0365	SLC6A4	NM_001045.3	Homo sapiens solute carrier family 6 (neurotransmitter transporter; serotonin); member 4 (SLC6A4); mRNA
Ssc.16570.1.S1_at	-1.43	0.0300	ELN	NM_001081752.1	Homo sapiens elastin (ELN); transcript variant 2; mRNA
Ssc.19358.1.S1_at	-1.44	0.0275	ZDHHC9	NM_016032.2	Homo sapiens zinc finger; DHHC-type containing 9 (ZDHHC9); transcript variant 1; mRNA
Ssc.11038.1.A1_at	-1.44	0.0005	FBLN5	NM_006329.3	Homo sapiens fibulin 5 (FBLN5); mRNA
Ssc.14243.1.S1_at	-1.45	0.0418	CCNB1	NM_031966.2	Homo sapiens cyclin B1 (CCNB1); mRNA
Ssc.23222.1.S1_at	-1.45	0.0065	PDXP	NM_020315.4	Homo sapiens pyridoxal (pyridoxine; vitamin B6) phosphatase (PDXP); mRNA >gi|40674426|gb| BC064922.1| Homo sapiens pyridoxal (pyridoxine; vitamin B6) phosphatase; mRNA (cDNA clone MGC:74719 IMAGE:6141538); complete cds
Ssc.29259.1.A1_at	-1.46	0.0026	ZNF567	NM_152603.2	Homo sapiens zinc finger protein 567 (ZNF567); mRNA >gi|34192436|gb|BC033849.2| Homo sapiens zinc finger protein 567; mRNA (cDNA clone MGC:45586 IMAGE:4472579); complete cds
Ssc.10382.1.A1_at	-1.46	0.0145	MYO5B	NM_001080467.1	Homo sapiens myosin VB (MYO5B); mRNA
Ssc.8267.1.A1_at	-1.46	0.0012	AK5	NM_012093.2	Homo sapiens adenylate kinase 5 (AK5); transcript variant 2; mRNA

Ssc.25637.1.S1_at	-1.47	0.0491	UPP2	NM_001135098.1	Homo sapiens uridine phosphorylase 2 (UPP2); transcript variant 2; mRNA
Ssc.1810.1.A1_at	-1.48	0.0027	HOXD3	NM_006898.4	Homo sapiens homeobox D3 (HOXD3); mRNA
Ssc.26492.1.A1_at	-1.48	0.0037	KLF11	NM_003597.4	Homo sapiens Kruppel-like factor 11 (KLF11); mRNA
Ssc.5987.1.A1_at	-1.48	0.0162	RHPN2	NM_033103.3	Homo sapiens rhophilin; Rho GTPase binding protein 2 (RHPN2); mRNA
Ssc.19694.1.S1_at	-1.49	0.0012	GPX3	NM_002084.3	Homo sapiens glutathione peroxidase 3 (plasma) (GPX3); mRNA
Ssc.19213.1.S1_at	-1.50	0.0321	TRIML2	NM_173553.1	Homo sapiens tripartite motif family-like 2 (TRIML2); mRNA >gi|21758745|dbj|AK098667.1| Homo sapiens cDNA FLJ25801 fis; clone TST07120
Ssc.11844.1.A1_at	-1.51	0.0444	ARHGAP28	NM_001010000.1	Homo sapiens Rho GTPase activating protein 28 (ARHGAP28); transcript variant 1; mRNA
Ssc.13696.1.A1_at	-1.51	0.0126	DDIT4L	NM_145244.2	Homo sapiens DNA-damage-inducible transcript 4-like (DDIT4L); mRNA >gi|34189377|gb|BC013592.2| Homo sapiens DNA-damage-inducible transcript 4-like; mRNA (cDNA clone MGC:9960 IMAGE:3877854); complete cds
Ssc.9483.1.A1_s_at	-1.51	0.0018	OSBPL6	NM_145739.1	Homo sapiens oxysterol binding protein-like 6 (OSBPL6); transcript variant 2; mRNA
Ssc.26113.1.S1_at	-1.52	0.0064	FAM134B	NM_019000.3	Homo sapiens family with sequence similarity 134; member B (FAM134B); transcript variant 2; mRNA
Ssc.7594.1.A1_at	-1.52	0.0007	DEPDC1B	NM_018369.1	Homo sapiens DEP domain containing 1B (DEPDC1B); mRNA
Ssc.26361.1.A1_at	-1.53	0.0109	ZNF12	NM_006956.2	Homo sapiens zinc finger protein 12 (ZNF12); transcript variant 2; mRNA
Ssc.19488.1.A1_at	-1.54	0.0345	DDX50	NM_024045.1	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 50 (DDX50); mRNA >gi|12653020|gb|BC000272.1| Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 50; mRNA (cDNA clone MGC:3199 IMAGE:3357684); complete cds
Ssc.25553.1.S1_at	-1.54	0.0024	PTPN3	NM_002829.2	Homo sapiens protein tyrosine phosphatase; non-receptor type 3 (PTPN3); mRNA
Ssc.15685.1.A1_at	-1.58	0.0040	LOC100131218	XM_001714467.1	PREDICTED: Homo sapiens similar to NADPH-dependent FMN and FAD containing oxidoreductase

					(LOC100131218); partial mRNA
Ssc.3739.1.S1_at	-1.60	0.0013	PCSK6	NM_002570.3	Homo sapiens proprotein convertase subtilisin/kexin type 6 (PCSK6); transcript variant 1; mRNA
Ssc.11264.1.A1_at	-1.60	0.0466	MCM5	NM_006739.3	Homo sapiens minichromosome maintenance complex component 5 (MCM5); mRNA
Ssc.3319.1.S1_at	-1.61	0.0074	ITIH1	NM_002215.2	Homo sapiens inter-alpha (globulin) inhibitor H1 (ITIH1); mRNA
Ssc.18522.1.A1_at	-1.61	0.0006	MLYCD	NM_012213.2	Homo sapiens malonyl-CoA decarboxylase (MLYCD); nuclear gene encoding mitochondrial protein; mRNA >gi|30962891|gb|BC052592.1| Homo sapiens malonyl-CoA decarboxylase; mRNA (cDNA clone MGC:59795 IMAGE:6421051); complete cds
Ssc.23981.1.A1_at	-1.61	0.0017	GALNT12	NM_024642.3	Homo sapiens UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12 (GalNAc-T12) (GALNT12); mRNA
Ssc.29168.1.A1_at	-1.62	0.0006	PLA2G4A	NM_024420.2	Homo sapiens phospholipase A2; group IVA (cytosolic; calcium-dependent) (PLA2G4A); mRNA
Ssc.6813.1.A1_at	-1.62	0.0444	CDH9	NM_016279.3	Homo sapiens cadherin 9; type 2 (T1-cadherin) (CDH9); mRNA
Ssc.7530.1.S1_at	-1.63	0.0431	ANKS4B	NM_145865.2	Homo sapiens ankyrin repeat and sterile alpha motif domain containing 4B (ANKS4B); mRNA
Ssc.26113.2.S1_at	-1.65	0.0035	FAM134B	NM_019000.3	Homo sapiens family with sequence similarity 134; member B (FAM134B); transcript variant 2; mRNA
Ssc.15774.1.S1_at	-1.66	0.0293	OPRM1	NM_000914.2	Homo sapiens opioid receptor; mu 1 (OPRM1); transcript variant MOR-1; mRNA
Ssc.16132.1.A1_at	-1.66	0.0043	COL8A1	NM_001850.3	Homo sapiens collagen; type VIII; alpha 1 (COL8A1); transcript variant 1; mRNA
Ssc.30097.1.A1_at	-1.67	0.0059	CDC42BPA	NM_014826.4	Homo sapiens CDC42 binding protein kinase alpha (DMPK-like) (CDC42BPA); transcript variant A; mRNA
Ssc.10994.1.S1_at	-1.67	0.0482	ASPM	NM_018136.4	Homo sapiens asp (abnormal spindle) homolog; microcephaly associated (Drosophila) (ASPM); mRNA
Ssc.11579.1.A1_at	-1.70	0.0317	GJA10	NM_032602.1	Homo sapiens gap junction protein; alpha 10; 62kDa (GJA10); mRNA >gi|14009610|gb|AF296766.1|

					AF296766 Homo sapiens connexin 62 mRNA; complete cds
Ssc.6932.1.A1_at	-1.71	0.0423	DPP10	NM_020868.2	Homo sapiens dipeptidyl-peptidase 10 (DPP10); transcript variant 1; mRNA
Ssc.7372.1.A1_at	-1.71	0.0163	GPX6	NM_182701.1	Homo sapiens glutathione peroxidase 6 (olfactory) (GPX6); mRNA >gi|32492912|gb|AY324826.1| Homo sapiens glutathione peroxidase 6 mRNA; complete cds
Ssc.16003.1.S1_at	-1.71	0.0172	SP1	NM_138473.2	Homo sapiens Sp1 transcription factor (SP1); mRNA
Ssc.11746.1.A1_at	-1.72	0.0466	MST150	NM_032947.3	Homo sapiens MSTP150 (MST150); mRNA
Ssc.14512.1.S1_at	-1.75	0.0332	MAN1A1	NM_005907.2	Homo sapiens mannosidase; alpha; class 1A; member 1 (MAN1A1); mRNA
Ssc.18830.1.A1_at	-1.76	0.0136	LRRC67	NM_001013626.2	Homo sapiens leucine rich repeat containing 67 (LRRC67); mRNA
Ssc.27045.1.A1_at	-1.77	0.0044	IDI1	NM_004508.2	Homo sapiens isopentenyl-diphosphate delta isomerase 1 (IDI1); mRNA
Ssc.13876.1.S1_at	-1.77	0.0227	NEK2	NM_002497.2	Homo sapiens NIMA (never in mitosis gene a)-related kinase 2 (NEK2); mRNA
Ssc.14513.1.S1_at	-1.78	0.0170	GPX5	NM_001509.2	Homo sapiens glutathione peroxidase 5 (epididymal androgen-related protein) (GPX5); transcript variant 1; mRNA
Ssc.5104.1.S1_at	-1.79	0.0011	NUPR1	NM_012385.2	Homo sapiens nuclear protein 1 (NUPR1); transcript variant 2; mRNA
Ssc.5047.1.A1_at	-1.79	0.0465	LYVE1	NM_006691.3	Homo sapiens lymphatic vessel endothelial hyaluronan receptor 1 (LYVE1); mRNA
Ssc.16102.1.S1_at	-1.80	0.0137	CRISP1	NM_170609.1	Homo sapiens cysteine-rich secretory protein 1 (CRISP1); transcript variant 2; mRNA
Ssc.3394.3.A1_at	-1.81	0.0000	CDR2	NM_001802.1	Homo sapiens cerebellar degeneration-related protein 2; 62kDa (CDR2); mRNA
Ssc.25243.1.S1_at	-1.81	0.0220	EMILIN2	NM_032048.2	Homo sapiens elastin microfibril interfacer 2 (EMILIN2); mRNA
Ssc.11756.2.S1_at	-1.86	0.0067	CDC2L6	NM_015076.3	Homo sapiens cell division cycle 2-like 6 (CDK8-like) (CDC2L6); mRNA
Ssc.29615.1.A1_at	-1.87	0.0053	UNC5C	NM_003728.2	Homo sapiens unc-5 homolog C (C. elegans) (UNC5C); mRNA

Ssc.14419.1.S1_at	-1.89	0.0376	DLX6	NM_005222.2	Homo sapiens distal-less homeobox 6 (DLX6); mRNA
Ssc.7195.2.S1_at	-1.90	0.0139	BUB1	NM_004336.3	Homo sapiens budding uninhibited by benzimidazoles 1 homolog (yeast) (BUB1); mRNA
Ssc.17335.1.S1_at	-1.91	0.0096	SLC17A1	NM_005074.3	Homo sapiens solute carrier family 17 (sodium phosphate); member 1 (SLC17A1); mRNA
Ssc.14537.1.S1_at	-1.91	0.0160	SLC22A2	NM_003058.2	Homo sapiens solute carrier family 22 (organic cation transporter); member 2 (SLC22A2); mRNA
Ssc.3960.2.S1_at	-1.96	0.0140	CDKL2	NM_003948.3	Homo sapiens cyclin-dependent kinase-like 2 (CDC2-related kinase) (CDKL2); mRNA
Ssc.19222.1.A1_at	-1.97	0.0041	SH3GL3	NM_003027.2	Homo sapiens SH3-domain GRB2-like 3 (SH3GL3); mRNA >gi|2921413|gb|AF036271.1|AF036271 Homo sapiens EEN-B2-L3 mRNA; complete cds
Ssc.23997.1.S1_at	-1.98	0.0037	CNTN1	NM_175038.1	Homo sapiens contactin 1 (CNTN1); transcript variant 2; mRNA
Ssc.26308.1.S1_at	-1.99	0.0011	PROCR	NM_006404.3	Homo sapiens protein C receptor; endothelial (EPCR) (PROCR); mRNA
Ssc.955.1.S1_at	-2.00	0.0028	CYP2C19	NM_000769.1	Homo sapiens cytochrome P450; family 2; subfamily C; polypeptide 19 (CYP2C19); mRNA
Ssc.18789.1.A1_at	-2.01	0.0041	C2orf81	XM_942034.3	PREDICTED: Homo sapiens similar to hCG40743 (LOC388963); mRNA
Ssc.27096.1.A1_at	-2.01	0.0067	DPY19L2	NM_173812.4	Homo sapiens dpy-19-like 2 (C. elegans) (DPY19L2); mRNA
Ssc.429.1.A1_at	-2.01	0.0463	S100G	NM_004057.2	Homo sapiens S100 calcium binding protein G (S100G); mRNA
Ssc.10185.1.S1_at	-2.02	0.0465	RSF1	NM_016578.3	Homo sapiens remodeling and spacing factor 1 (RSF1); mRNA
Ssc.22049.1.S1_at	-2.03	0.0148	QSOX1	NM_001004128.2	Homo sapiens quiescin Q6 sulfhydryl oxidase 1 (QSOX1); transcript variant 2; mRNA
Ssc.10059.1.A1_at	-2.04	0.0171	HOXA13	NM_000522.4	Homo sapiens homeobox A13 (HOXA13); mRNA
Ssc.5126.1.A1_at	-2.06	0.0068	DLGAP1	NM_004746.2	Homo sapiens discs; large (Drosophila) homolog-associated protein 1 (DLGAP1); transcript variant alpha; mRNA >gi|2588977|dbj|AB000277.1| Homo sapiens mRNA for DAP-1 alpha; complete cds
Ssc.27342.1.S1_at	-2.10	0.0231	ONECUT2	NM_004852.2	Homo sapiens one cut homeobox 2 (ONECUT2); mRNA

Ssc.24855.1.S1_at	-2.12	0.0063	NRXN3	NM_001105250.1	Homo sapiens neurexin 3 (NRXN3); transcript variant 3; mRNA
Ssc.15433.1.S1_at	-2.18	0.0140	KIF5C	NM_004522.1	Homo sapiens kinesin family member 5C (KIF5C); mRNA >gi|3043585|dbj|AB011103.1| Homo sapiens mRNA for KIAA0531 protein; partial cds
Ssc.24076.1.A1_at	-2.19	0.0155	SFT2D2	NM_199344.2	Homo sapiens SFT2 domain containing 2 (SFT2D2); mRNA
Ssc.8980.1.A1_at	-2.20	0.0000	ANGPTL4	NM_139314.1	Homo sapiens angiopoietin-like 4 (ANGPTL4); transcript variant 1; mRNA
Ssc.17345.1.S1_at	-2.21	0.0170	ANGPTL4	NM_139314.1	Homo sapiens angiopoietin-like 4 (ANGPTL4); transcript variant 1; mRNA
Ssc.4255.1.S1_at	-2.23	0.0028	HAPLN1	NM_001884.3	Homo sapiens hyaluronan and proteoglycan link protein 1 (HAPLN1); mRNA
Ssc.19038.1.A1_at	-2.32	0.0475	VPS53	NM_018289.3	Homo sapiens vacuolar protein sorting 53 homolog (S. cerevisiae) (VPS53); transcript variant 2; mRNA
Ssc.25475.1.S1_at	-2.37	0.0059	GRIA3	NM_000828.4	Homo sapiens glutamate receptor; ionotrophic; AMPA 3 (GRIA3); transcript variant 2; mRNA
Ssc.15982.1.S1_at	-2.41	0.0028	SLC9A5	NM_004594.2	Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger); member 5 (SLC9A5); mRNA
Ssc.4289.1.S1_at	-2.43	0.0084	LRP2	NM_004525.2	Homo sapiens low density lipoprotein-related protein 2 (LRP2); mRNA
Ssc.30290.1.S1_at	-2.62	0.0009	SHANK2	NM_012309.1	Homo sapiens SH3 and multiple ankyrin repeat domains 2 (SHANK2); transcript variant 1; mRNA
Ssc.15327.1.S1_at	-2.67	0.0088	CR2	NM_001877.3	Homo sapiens complement component (3d/Epstein Barr virus) receptor 2 (CR2); transcript variant 2; mRNA
Ssc.23041.1.S1_at	-2.67	0.0007	LOC651751	XM_001718996.1	PREDICTED: Homo sapiens similar to hCG2042722 (LOC651751); mRNA
Ssc.28462.1.A1_a_at	-2.78	0.0011	C6orf52	XM_001718541.1	PREDICTED: Homo sapiens chromosome 6 open reading frame 52 (C6orf52); mRNA
Ssc.28632.3.A1_at	-2.84	0.0005	MBOAT1	NM_001080480.1	Homo sapiens membrane bound O-acyltransferase domain containing 1 (MBOAT1); mRNA
Ssc.28101.1.A1_at	-2.87	0.0019	AAK1	NM_014911.3	Homo sapiens AP2 associated kinase 1 (AAK1); mRNA

Ssc.3207.1.S1_at	-2.87	0.0086	CSDC2	NM_014460.3	Homo sapiens cold shock domain containing C2; RNA binding (CSDC2); mRNA
Ssc.4483.1.A1_at	-2.97	0.0009	SLC19A3	NM_025243.3	Homo sapiens solute carrier family 19; member 3 (SLC19A3); mRNA
Ssc.8164.1.A1_at	-3.25	0.0004	KCND2	NM_012281.2	Homo sapiens potassium voltage-gated channel; Shal-related subfamily; member 2 (KCND2); mRNA
Ssc.3937.1.S1_at	-6.29	0.0001	STMN2	NM_007029.2	Homo sapiens stathmin-like 2 (STMN2); mRNA >gi|33873514|gb|BC006302.2| Homo sapiens stathmin-like 2; mRNA (cDNA clone MGC:12784 IMAGE:4100671); complete cds

[#]Positive fold changes indicate that the low protein (LP) diet resulted in higher expression than the high protein (HP) diet and the number represents [expression LP / expression HP]. Negative fold changes indicate that the LP diet resulted in lower expression than the HP diet and the number represents {-[expression HP / expression LP]}.

Supplementary Table 2- Primer details for reference, differentially expressed (DE) and non-changing genes

Gene category	Gene symbol	GenBank accession no. (porcine)	Sequence (5' to 3')	Product size (bp)
Reference genes	B2M	NM_213978	FWD: AAACGGAAAGCCAAATTACC REV: ATCCACAGCGTTAGGAGTGA	178
	TBP	DQ845176	FWD: TTAATGGTGGTGTTGTGGACGGC REV: CCAAATAGCAGCACAGTACGAGCAA	168
	RPL4	DQ845178	FWD: AGAGATCCAAAGAGCCCTCCGC REV: GCCTGGCGAAGAATGGTGTTTC	144
Differentially expressed genes	MPHOSPH6	Human acc no: NM_005792.2	FWD: ATGGGATTCATCAGGAATGG REV: AGGTCAGTGACTGGGAGAGC	124
	UBE2CBP	AK236545.1	FWD: CCAGCCACAGATTGAGAACA REV: CTTCACAGCCTTGGCTTTTC	108
	LTBR	NM_001146126.1	FWD: GCAAAACTCGTTGCACACAT REV: GCAATATTTTGGCACACGTC	122
	SCD	AY487830.1	FWD: CTATGTGACCCTGGGCAAGT REV: TCAAAACTGCCCTTTGAGGT	100
	BTG2	EU255256.1	FWD: GCCCCTGCCTTTTTATAAGC REV: AGACAGGCCTGCTCAACAGT	119
	CBX5	AY610107.1	FWD: GACAGATTCCTGTGGCGATT REV: GATATGCATGCCACGTCAGT	146
	ANGPTL4	AY974561.1	FWD: TGCAAGATGACCTCAGATGG REV: CTCCGAAGCCATCCTTGTAG	103
	IQGAP2	Human acc no: NM_006633.2	FWD: AAGTGCACTACTGCCTCGTG REV: AAATTGTGAGGGGTGGAGAT	108
	PROCR-like	AY820762.1	FWD: CTGGCAAGGGAAGATCTCAG REV: TCTTCTCCCCTCCCTCAAAT	138
	SATB2	LOC100155877	FWD: GCATCCGCATTTGGTATCTT REV: ACAGGCTAAAATGCCCACAG	140
Non-changing genes	RAP1	XM_001928649.1	FWD: TTTCCCCTCAAACTCATTGC REV: AGACCCATTTTTCCAAAGCA	139
	MRPS6	Human acc no: NM_032476.3	FWD: TGGCTTGCTTAGAGCCACTT REV: CCAAAGGGCGTTAGTGTTGT	117
	PSMD1	XM_001925902.1	FWD: AATGCCTGTGAGGAAATTCG REV: CCAAGTCGTGTGAAAGAGCA	135

FWD: forward primer; REV: reverse primer; bp: base pairs.