

Supplemental table 2 Transcriptome study detected all changed genes in MSG from pSS patients

Fold Change	Gene Symbol	Gene Name	Accession	UniGeneID
-2.370222	RPRM	reprimo, TP53 dependent G2 arrest mediator candidate	NM_019845	Hs.100890
-3.0553844	COPE	coatomer protein complex, subunit epsilon	NM_199444	Hs.10326
-4.5725937	SLC1A7	solute carrier family 1 (glutamate transporter), member 7	NM_006671	Hs.104637
-2.4943898	SRPK3	SFRS protein kinase 3	NM_014370	Hs.104865
3.312211	SERPINB9	serpin peptidase inhibitor, clade B (ovalbumin), member 9 granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	NM_004155	Hs.104879
2.2928283	GZMB		NM_004131	Hs.1051
-2.2832513	NPDC1	neural proliferation, differentiation and control, 1	NM_015392	Hs.105547
2.4865181	C1orf38	chromosome 1 open reading frame 38	BC031655	Hs.10649
2.1609387	TMEM70	transmembrane protein 70	NM_001040613	Hs.106650
-2.3641164	APH1A	anterior pharynx defective 1 homolog A (C. elegans)	NM_016022	Hs.108408
-2.0847275	ALOX15B	arachidonate 15-lipoxygenase, type B	NM_001141	Hs.111256
2.4934502	P2RY8	purinergic receptor P2Y, G-protein coupled, 8	NM_178129	Hs.111377
2.1300533	PIF1	PIF1 5'-to-3' DNA helicase homolog (S. cerevisiae)	NM_025049	Hs.112160
2.4639466	VAV1	vav 1 guanine nucleotide exchange factor	NM_005428	Hs.116237
2.665251	MEI1	meiosis inhibitor 1	NM_152513	Hs.116419
2.9839902	BST2	bone marrow stromal cell antigen 2	NM_004335	Hs.118110
2.144227	MGC24039	hypothetical protein MGC24039 Human glucocorticoid receptor alpha mRNA, variant 3' UTR. [U25029]	NM_144973	Hs.118166
2.424866	NR3C1		U25029	Hs.122926
2.1521337	CLIP4	CAP-GLY domain containing linker protein family, member 4	NM_024692	Hs.122927
-5.984112	KLK1	kallikrein 1	NM_002257	Hs.123107
2.1823227	SPAG4	sperm associated antigen 4 BX118285 Soares_testis_NHT Homo sapiens cDNA clone	NM_003116	Hs.123159
-5.2182856		IMAGp998G173521, mRNA sequence [BX118285]	BX118285	Hs.124007
3.3104491	LRMP	lymphoid-restricted membrane protein	NM_006152	Hs.124922
2.0415797	RASGEF1A	RasGEF domain family, member 1A	BC022548	Hs.125293
2.3145926	VPS4B	vacuolar protein sorting 4 homolog B (S. cerevisiae)	NM_004869	Hs.126550

2.1315243	FAM49B	family with sequence similarity 49, member B	NM_016623	Hs.126941
2.004701	BIRC3	baculoviral IAP repeat-containing 3	NM_001165	Hs.127799
2.4122024	TIPARP	TCDD-inducible poly(ADP-ribose) polymerase	NM_015508	Hs.12813
-2.0089054	BAIAP2	BAI1-associated protein 2	NM_006340	Hs.128316
-2.2017336	ATP13A2	ATPase type 13A2	NM_022089	Hs.128866
2.8453515	PLSCR1	phospholipid scramblase 1	NM_021105	Hs.130759
2.1958406	GLCCI1	glucocorticoid induced transcript 1	NM_138426	Hs.131673
2.042574	NRP1	neuropilin 1	NM_003873	Hs.131704
2.0760622	IL27RA	interleukin 27 receptor, alpha	NM_004843	Hs.132781
-2.1064475	ZNF358	zinc finger protein 358	NM_018083	Hs.133475
-2.5286887	HSD11B2	hydroxysteroid (11-beta) dehydrogenase 2	NM_000196	Hs.1376
-2.0834153	KIAA1602	KIAA1602	NM_020941	Hs.143067
-2.1248786	STAC2	SH3 and cysteine rich domain 2	NM_198993	Hs.145068
2.2438252	HCLS1	hematopoietic cell-specific Lyn substrate 1	NM_005335	Hs.14601
2.1025002		602638586F1 NIH_MGC_48 Homo sapiens cDNA clone IMAGE:4766349 5', mRNA sequence [BG686022]	BG686022	Hs.147381
3.1446164	TRAF3IP3	TRAF3 interacting protein 3	NM_025228	Hs.147434
2.7225304	BCL2	B-cell CLL/lymphoma 2	NM_000633	Hs.150749
2.427278	CKLF	chemokine-like factor	NM_181641	Hs.15159
2.606552	DOK3	docking protein 3	AK097258	Hs.153343
-2.724691	LYNX1	Ly6/neurotoxin 1	NM_177457	Hs.158665
-2.0737333	P53AIP1	p53-regulated apoptosis-inducing protein 1	AB045831	Hs.160953
-2.3331923	SLC26A9	solute carrier family 26, member 9	NM_052934	Hs.164073
2.2896628	RUNX3	runt-related transcription factor 3	NM_001031680	Hs.170019
2.0574248	FAIM	Fas apoptotic inhibitory molecule	NM_001033030	Hs.173438
3.9002724	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7)	NM_004159	Hs.180062
2.1511083	ZNF550	zinc finger protein 550	BC053858	Hs.180257
2.915729	HLA-A	major histocompatibility complex, class I, A	NM_002116	Hs.181244
2.9087708	CTSS	cathepsin S	NM_004079	Hs.181301
2.5715904	DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	NM_014314	Hs.190622

5.056217	SRGN	serglycin	NM_002727	Hs.1908
2.0091524	VPS13B	vacuolar protein sorting 13 homolog B (yeast)	NM_017890	Hs.191540
2.3578775	WDR82	WD repeat domain 82	NM_025222	Hs.194110
-2.349492	SRC	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	NM_005417	Hs.195659
3.0791373	IFIT1	interferon-induced protein with tetratricopeptide repeats 1	NM_001548	Hs.20315
2.0829208	ST6GAL1	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	NM_173216	Hs.207459
2.569959	CD3G	CD3g molecule, gamma (CD3-TCR complex)	NM_000073	Hs.2259
-3.258197	KIAA0664	KIAA0664	NM_015229	Hs.22616
2.291807	SUB1	SUB1 homolog (S. cerevisiae)	NM_006713	Hs.229641
2.1479928	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	NM_004064	Hs.238990
-2.1441576	MMP14	matrix metalloproteinase 14 (membrane-inserted)	NM_004995	Hs.2399
4.092508	CD48	CD48 molecule	NM_001778	Hs.243564
-3.353208	MXRA7	matrix-remodelling associated 7	NM_001008529	Hs.250723
2.871697	IFIT5	interferon-induced protein with tetratricopeptide repeats 5	NM_012420	Hs.252839
2.0871336	MSMB	microseminoprotein, beta-	NM_002443	Hs.255462
2.7046626	TNFRSF17	tumor necrosis factor receptor superfamily, member 17	NM_001192	Hs.2556
-3.4028559	RORC	RAR-related orphan receptor C	NM_005060	Hs.256022
2.1276748	E2F3	E2F transcription factor 3	NM_001949	Hs.269408
-2.13133	OTUD4	OTU domain containing 4	NM_199324	Hs.270851
2.0828018	TBX21	T-box 21	NM_013351	Hs.272409
3.5566504	CD52	CD52 molecule	NM_001803	Hs.276770
2.2524126	MGAT3	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	NM_002409	Hs.276808
-2.5980015	ALMS1P	Alstrom syndrome 1 pseudogene	NR_003683	Hs.278983
-2.2032354	WIF1	WNT inhibitory factor 1	NM_007191	Hs.284122
4.074837	BMP6	bone morphogenetic protein 6	NM_001718	Hs.285671
2.325591	WDFY4	WDFY family member 4	BC032420	Hs.287379
	GALNAC4S-			
2.9968987	6ST	B cell RAG associated protein	NM_015892	Hs.287537
-2.1325843	ARID1B	AT rich interactive domain 1B (SWI1-like)	NM_175863	Hs.291587

4.1655855	MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	NM_004994	Hs.297413
-2.3850489	AQP5	Aquaporin 5	NM_001651	Hs.298023
2.0259647	KNTC1	kinetochore associated 1	NM_014708	Hs.300559
3.0242934	CCR1	chemokine (C-C motif) receptor 1	NM_001295	Hs.301921
3.9095469	ZBP1	Z-DNA binding protein 1	NM_030776	Hs.302123
2.342615	CCL2	chemokine (C-C motif) ligand 2	NM_002982	Hs.303649
2.1040733	CUGBP2	CUG triplet repeat, RNA binding protein 2	NM_001025077	Hs.309288
-2.0971637	SHC2	SHC (Src homology 2 domain containing) transforming protein 2	NM_012435	Hs.30965
2.3252513	APBB1IP	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein	NM_019043	Hs.310421
-2.1142938	ADAM15	ADAM metalloproteinase domain 15	NM_207191	Hs.312098
-2.3909447	YIPF2	Yip1 domain family, member 2	NM_024029	Hs.323213
-2.161816	YIPF2	Yip1 domain family, member 2	NM_024029	Hs.323213
3.3068666	F13A1	coagulation factor XIII, A1 polypeptide	NM_000129	Hs.335513
-2.0685341	SLC16A11	solute carrier family 16, member 11 (monocarboxylic acid transporter 11)	NM_153357	Hs.336564
2.0837245	CD58	CD58 molecule	NM_001779	Hs.34341
2.4729555	GZMH	granzyme H (cathepsin G-like 2, protein h-CCPX)	NM_033423	Hs.348264
2.4237432	TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	NM_000593	Hs.352018
2.2882926	STCH	stress 70 protein chaperone, microsome-associated, 60kDa	NM_006948	Hs.352341
3.5055525	CD27	CD27 molecule	NM_001242	Hs.355307
2.1023312	FAM46C	family with sequence similarity 46, member C	NM_017709	Hs.356216
2.3316221	ORAI2	ORAI calcium release-activated calcium modulator 2	NM_032831	Hs.363308
-2.5862727	U2AF1	U2 small nuclear RNA auxiliary factor 1	NM_001025204	Hs.365116
-2.3780384	PYGB	phosphorylase, glycogen; brain	NM_002862	Hs.368157
2.0549204	SMPD3	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)	NM_018667	Hs.368421
2.0613952	NAT5	N-acetyltransferase 5	NM_016100	Hs.368783
-2.7009687	FBN3	fibrillin 3	NM_032447	Hs.370362
-2.1106164	SLC22A17	solute carrier family 22, member 17	NM_016609	Hs.373498

		integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	NM_000211	Hs.375957
2.3104155	ITGB2			
2.3698251	BTN3A2	butyrophilin, subfamily 3, member A2	NM_007047	Hs.376046
-2.0066192	RAB26	RAB26, member RAS oncogene family	NM_014353	Hs.3797
2.1838546	USP18	ubiquitin specific peptidase 18	NM_017414	Hs.38260
2.7202845	FAM89A	family with sequence similarity 89, member A	NM_198552	Hs.38516
2.2562208	CFLAR	CASP8 and FADD-like apoptosis regulator	AF009616	Hs.390736
-2.929926	IL17RE	interleukin 17 receptor E	NM_153483	Hs.390823
2.019835	C13orf27	chromosome 13 open reading frame 27	NM_138779	Hs.398111
2.1224394	CD109	CD109 molecule	NM_133493	Hs.399891
-3.1009145	LOC388796	hypothetical LOC388796	BX640887	Hs.400876
2.204119	CTHRC1	collagen triple helix repeat containing 1	NM_138455	Hs.405614
-2.062311	CREB3L1	cAMP responsive element binding protein 3-like 1	NM_052854	Hs.405961
		sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A		
-3.0851607	SEMA4A		NM_022367	Hs.408846
2.3627517	SULF1	sulfatase 1	NM_015170	Hs.409602
2.090799	PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	NM_002661	Hs.413111
2.26403	RGS16	regulator of G-protein signaling 16	NM_002928	Hs.413297
2.0045002	ICAM2	intercellular adhesion molecule 2	NM_000873	Hs.431460
-4.8788013	GGT7	gamma-glutamyltransferase 7	NM_178026	Hs.433738
3.104471	RTP4	receptor (chemosensory) transporter protein 4	NM_022147	Hs.43388
-2.1969962	APP	amyloid beta (A4) precursor protein	NM_000484.2	Hs.434980
-2.1932604	LOC441376	AARD protein	BC142621	Hs.437551
		cartilage intermediate layer protein, nucleotide		
3.4874353	CILP	pyrophosphohydrolase	NM_003613	Hs.442180
2.654957	IRS2	insulin receptor substrate 2	NM_003749	Hs.442344
-2.051888	MED13L	mediator complex subunit 13-like	AK025280	Hs.444483
		BOLA2_HUMAN (Q9H3K6) BolA-like protein 2, partial (33%)		
2.0174851	BolA2	[THC2674691]	THC2674691	Hs.444600
2.0029702	TRIB1	tribbles homolog 1 (Drosophila)	NM_025195	Hs.444947
4.6028957	UBD	ubiquitin D	NM_006398	Hs.44532

2.3521588	CARD8	caspase recruitment domain family, member 8	NM_014959	Hs.446146
-2.4365416	PFDN6	prefoldin subunit 6	NM_014260	Hs.446374
2.6640038	CD47	CD47 molecule	NM_198793	Hs.446414
-2.0658374	LDOC1	leucine zipper, down-regulated in cancer 1	NM_012317	Hs.45231
2.8852723	IFITM1	interferon induced transmembrane protein 1 (9-27)	NM_003641	Hs.458414
4.215774			AJ004954	Hs.458446
3.5176232	ISG15	ISG15 ubiquitin-like modifier	NM_005101	Hs.458485
2.4000714	IL16	interleukin 16 (lymphocyte chemoattractant factor)	NM_004513	Hs.459095
2.2552216	ISG20	interferon stimulated exonuclease gene 20kDa	NM_002201	Hs.459265
-2.0559795	LRRC14	leucine rich repeat containing 14	NM_014665	Hs.459391
2.3756275	ATF3	activating transcription factor 3	NM_001040619	Hs.460
		aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)		
2.0033886	AKR1C1		NM_001353	Hs.460260
-2.2890286	KIAA1576	KIAA1576 protein	NM_020927	Hs.461405
-4.1933794	FKBP10	FK506 binding protein 10, 65 kDa	NM_021939	Hs.463035
2.3380435	RHBDF2	rhomboid 5 homolog 2 (Drosophila)	NM_024599	Hs.464157
2.2404296	NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa Homo sapiens cDNA FLJ40003 fis, clone STOMA2003716.	NM_021074	Hs.464572
-2.0420103	HNRMP	[AK097322]	AK097322	Hs.465808
2.1137712	PBX4	pre-B-cell leukemia homeobox 4	NM_025245	Hs.466257
2.1744914	ODC1	ornithine decarboxylase 1	NM_002539	Hs.467701
2.1975563	LCK	lymphocyte-specific protein tyrosine kinase	NM_005356	Hs.470627
2.2319167	PDK1	pyruvate dehydrogenase kinase, isozyme 1	NM_002610	Hs.470633
-2.8350713	LOC339483	hypothetical LOC339483	BC041632	Hs.471067
-2.3086987	CHMP4B	chromatin modifying protein 4B	NM_176812	Hs.472471
2.7534025	STK4	serine/threonine kinase 4	BC005231	Hs.472838
2.2550151	APOL3	apolipoprotein L, 3	NM_145641	Hs.474737
		sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B		
-2.2568762	SEMA4B		NM_020210	Hs.474935
3.0413764	EAF2	ELL associated factor 2	NM_018456	Hs.477325

2.9233494	CD38	CD38 molecule	NM_001775	Hs.479214
2.027279	TBC1D9	TBC1 domain family, member 9 (with GRAM domain)	NM_015130	Hs.480819
-2.1519759	TEAD3	TEA domain family member 3	NM_003214	Hs.485205
2.1649249	SOD2	superoxide dismutase 2, mitochondrial	NM_001024465	Hs.487046
2.0062041	NT5C3	5'-nucleotidase, cytosolic III	NM_001002009	Hs.487933
3.5682662	SAMD9L	sterile alpha motif domain containing 9-like	NM_152703	Hs.489118
-7.277204	LCE2D	late cornified envelope 2D	NM_178430	Hs.490225
-2.5364416	C9orf25	chromosome 9 open reading frame 25	NM_147202	Hs.493771
2.4934716	C9orf167	chromosome 9 open reading frame 167	NM_017723	Hs.495541
-2.73912	LGR6	leucine-rich repeat-containing G protein-coupled receptor 6	NM_001017403	Hs.497402
-2.1499434	DNAJC7	DnaJ (Hsp40) homolog, subfamily C, member 7	NM_003315	Hs.500156
2.1235607	TRIM22	tripartite motif-containing 22	NM_006074	Hs.501778
2.1431508	ZNF107	zinc finger protein 107	NM_016220	Hs.50216
-2.408626	RPLP0P2	ribosomal protein, large, P0 pseudogene 2	NR_002775	Hs.502733
2.6765187	IL10RA	interleukin 10 receptor, alpha	NM_001558	Hs.504035
-2.1671872	TRIM29	tripartite motif-containing 29	NM_012101	Hs.504115
2.3143744	FLI1	Friend leukemia virus integration 1	NM_002017	Hs.504281
-2.469804	PTMS	parathyrosin	NM_002824	Hs.504613
3.743957	CD163	CD163 molecule	NM_004244	Hs.504641
-2.0765502	ERGIC1	endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1	NM_001031711	Hs.509163
-2.3347747	PBX2	pre-B-cell leukemia homeobox 2	NM_002586	Hs.509545
2.1146958	BATF	basic leucine zipper transcription factor, ATF-like	NM_006399	Hs.509964
		Homo sapiens interferon, alpha-inducible protein 6, mRNA (cDNA clone MGC:39273 IMAGE:5440834), complete cds.		
14.047259	IFI6	[BC024289]	BC024289	Hs.510635
11.759094	IGH@	immunoglobulin heavy locus	AK130614	Hs.510635
13.404718	IGHM	immunoglobulin heavy constant mu	BX161420	Hs.510635
		Homo sapiens translocation associated fusion protein IRTA1/IGA1 (IRTA1/IGHA1) mRNA, complete cds.		
3.6053483	IGHG1	[AF343666]	AF343666	Hs.510635

17.815155	IGHG1	Immunoglobulin heavy chain C gene segment [Source:IMGT/GENE_DB;Acc:IGHG4] [ENST00000390543]	ENST00000390543	Hs.510635
3.8300295	IGHG1	Immunoglobulin heavy chain V gene segment [Source:IMGT/GENE_DB;Acc:IGHV1-2] [ENST00000390594]	ENST00000390594	Hs.510635
-2.0312092	HSF4	heat shock transcription factor 4	NM_001040667	Hs.512156
-2.6773822	LTBP2	latent transforming growth factor beta binding protein 2	NM_000428	Hs.512776
2.3902106	SLC7A7	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	NM_003982	Hs.513147
2.5240853	ADCY7	adenylate cyclase 7	NM_001114	Hs.513578
4.2687535	GBP5	guanylate binding protein 5	NM_052942	Hs.513726
-3.7327626	AES	amino-terminal enhancer of split	NM_198969	Hs.515053
4.735391	SLAMF7	SLAM family member 7	NM_021181	Hs.517265
3.4338503	MX1	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	NM_002462	Hs.517307
2.645191	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	NM_002872	Hs.517601
-2.0917835	ALS2CL	ALS2 C-terminal like	NM_147129	Hs.517937
3.513663	CSTA	cystatin A (stefin A)	NM_005213	Hs.518198
5.160546	LAMP3	lysosomal-associated membrane protein 3	NM_014398	Hs.518448
-2.298854	TFAP2A	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)	NM_001032280	Hs.519880
2.1978228	MARCKS	myristoylated alanine-rich protein kinase C substrate	NM_002356	Hs.519909
2.5649226	HLA-F	major histocompatibility complex, class I, F	NM_018950	Hs.519972
2.3644736	FGL2	fibrinogen-like 2	NM_006682	Hs.520989
2.2877867	GMFG	glia maturation factor, gamma	NM_004877	Hs.5210
3.8804975	IRF5	interferon regulatory factor 5	NM_002200	Hs.521181
-2.0371425	BRD3	bromodomain containing 3	NM_007371	Hs.522472
-3.2369454	EMD	emerin (Emery-Dreifuss muscular dystrophy)	NM_000117	Hs.522823
2.0577805	TMEM50A	transmembrane protein 50A	NM_014313	Hs.523054
-2.8880277	TNNI2	troponin I type 2 (skeletal, fast)	NM_003282	Hs.523403
2.7307575	ZNF215	zinc finger protein 215	NM_013250	Hs.523457

2.6965168	CD2	CD2 molecule	NM_001767	Hs.523500
2.2234516	SLAMF1	signaling lymphocytic activation molecule family member 1	NM_003037	Hs.523660
2.0995855	MS4A6A	membrane-spanning 4-domains, subfamily A, member 6A	NM_022349	Hs.523702
-2.151628	GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)	NM_005276	Hs.524418
-2.084177	FTH1	Homo sapiens placenta immunoregulatory factor PLIF mRNA, complete cds. [AY033611]	AY033611	Hs.524910
-3.0497062	DLST	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	NM_001933	Hs.525459
-2.035166	TESC	tescalcin	NM_017899	Hs.525709
4.481644		Homo sapiens isolate donor Z clone Z1K immunoglobulin kappa light chain variable region mRNA, partial cds. [AF103555]	ENST00000327926	Hs.525894
-2.5328994	NXN	nucleoredoxin	NM_022463	Hs.527989
2.2648697	C5orf39	chromosome 5 open reading frame 39	NM_001014279	Hs.529385
-2.190236	TNKS1BP1	tankyrase 1 binding protein 1, 182kDa	NM_033396	Hs.530730
-2.1593	COPS7A	COP9 constitutive photomorphogenic homolog subunit 7A (Arabidopsis)	NM_016319	Hs.530823
3.5084932	LGALS2	lectin, galactoside-binding, soluble, 2	NM_006498	Hs.531776
2.3239577	ARHGAP25	Rho GTPase activating protein 25	NM_001007231	Hs.531807
4.1460752	IFI27	interferon, alpha-inducible protein 27	NM_005532	Hs.532634
-2.3671978	MOS	v-mos Moloney murine sarcoma viral oncogene homolog	NM_005372	Hs.533432
-2.5353484	METRNL	meteorin, glial cell differentiation regulator	NM_024042	Hs.533772
-2.0867493	FOXL1	forkhead box L1	NM_005250	Hs.533830
-2.3545465	FLJ20254	hypothetical protein FLJ20254	NM_017727	Hs.533934
4.256319	HLA-DRB1	Human lymphocyte antigen (DRw8) mRNA. [M27126]	M27126	Hs.534322
2.499785	CASP10	caspase 10, apoptosis-related cysteine peptidase	NM_032977	Hs.5353
-2.551467	ASRGL1	asparaginase like 1	NM_001083926	Hs.535326
-3.1454012	TRAK1	trafficking protein, kinesin binding 1	NM_014965	Hs.535711
2.9306176	CCR5	chemokine (C-C motif) receptor 5	NM_000579	Hs.536735
-2.5239525	SLC6A8	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	NM_005629	Hs.540696
2.0259292	LEF1	lymphoid enhancer-binding factor 1	NM_016269	Hs.555947

-2.6584685	PRPS1	phosphoribosyl pyrophosphate synthetase 1 LOC541471 protein (Hypothetical protein MGC4677). [Source:Uniprot/SPTREMBL;Acc:Q96C48]	NM_002764	Hs.56
2.6371717	LOC541471	[ENST00000308604]	ENST00000308604	Hs.560805
2.0433033	EBF1	early B-cell factor 1	NM_024007	Hs.573143
2.0387409	SLC44A1	solute carrier family 44, member 1	NM_080546	Hs.573495
3.0753303	IL4I1	interleukin 4 induced 1	NM_172374	Hs.574492
2.3504794	TRIM14	tripartite motif-containing 14	NM_014788	Hs.575631
-8.82304	CAMK2N2	calcium/calmodulin-dependent protein kinase II inhibitor 2 neutrophil cytosolic factor 2 (65kDa, chronic granulomatous disease, autosomal 2)	NM_033259	Hs.585003
2.071909	NCF2		NM_000433	Hs.587558
2.062414	ADRB2	adrenergic, beta-2-, receptor, surface	NM_000024	Hs.591251
2.7542553	OBFC2A	oligonucleotide/oligosaccharide-binding fold containing 2A	NM_001031716	Hs.591610
4.0934777	CXCR4	chemokine (C-X-C motif) receptor 4	NM_001008540	Hs.593413
2.2137291	DERL3	Der1-like domain family, member 3	NM_198440	Hs.593679
2.5763988			CR621698	Hs.613981
-2.162722	CLN3	ceroid-lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeyer- Vogt disease)	NM_001042432	Hs.628393
-2.7705197	ND3	NADH dehydrogenase, subunit 3 (complex I)	ENST00000361227	Hs.631492
-2.7486696			AK097322	Hs.631498
-2.0683858	PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	NM_033256	Hs.631569
2.1414769	LILRB3		NM_006864	Hs.631592
2.1812851	HSH2D	hematopoietic SH2 domain containing	NM_032855	Hs.631617
2.338555	WDR92	WD repeat domain 92	NM_138458	Hs.631877
-2.733556	B4GALT2	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 2	NM_003780	Hs.632403
-5.3163924	ARTN	Homo sapiens artemin (ARTN), transcript variant 2, mRNA [NM_057091]	NM_057091	Hs.632404
-2.080081	LOC646048		XR_019608	Hs.633875
2.4842255			BU567832	Hs.634599

4.1112876	IGHV1-69		ENST00000390610	Hs.634941
-2.510136	RSAP10		XR_019235	Hs.646743
-2.6653945	CLDN3	claudin 3	NM_001306	Hs.647023
2.1905713	GIMAP6	GTPase, IMAP family member 6	NM_024711	Hs.647105
2.7215238	RPL39L	ribosomal protein L39-like	NM_052969	Hs.647900
-2.2327504	LOC729983	hypothetical LOC729983	XM_001718065	Hs.648133
2.0995002	LOC399491	LOC399491 protein	AK023376	Hs.648395
4.8870206	KIAA0125	KIAA0125	D50915	Hs.649259
-33.334114	SMR3B	submaxillary gland androgen regulated protein 3B	NM_006685	Hs.650650
2.2196145			CR594732	Hs.651214
2.8088734	C2orf59	chromosome 2 open reading frame 59	BC010491	Hs.652166
2.1598983	IL15	interleukin 15	NM_172174	Hs.654378
-2.2359962	SDS	serine dehydratase	NM_006843	Hs.654416
-2.3512797	CTSD	cathepsin D	NM_001909	Hs.654447
2.77424	HCP5	HLA complex P5	L06175	Hs.654480
3.8316476	TRBV5-4	T cell receptor beta variable 5-4	BC028083	Hs.654496
3.257101	PTPRC	protein tyrosine phosphatase, receptor type, C	NM_002838	Hs.654514
3.8254662	POU2AF1	POU class 2 associating factor 1	NM_006235	Hs.654525
-2.9505026	CST4		NM_001899.2	Hs.654549
2.8484266	PSMB9		NM_002800.4	Hs.654585
2.2702696	RHOH	ras homolog gene family, member H	NM_004310	Hs.654594
2.107414	CENTB2	centaurin, beta 2	NM_012287	Hs.654597
-2.1061077	LPHN1	latrophilin 1	NM_001008701	Hs.654658
-2.1456833	FBXO34	F-box protein 34	AF531436	Hs.654725
-2.2038486	MXD4	MAX dimerization protein 4	NM_006454	Hs.655020
2.337359	HLA-H		CR594843	Hs.655226
-2.3874922	ASPHD1	aspartate beta-hydroxylase domain containing 1	NM_181718	Hs.655761
2.7530174	SAMD9	sterile alpha motif domain containing 9	NM_017654	Hs.65641
3.62766	CPNE5	copine V	NM_020939	Hs.657869
-2.9748783	GIPR	gastric inhibitory polypeptide receptor	NM_000164	Hs.658534
3.847994	KLHL6	kelch-like 6 (Drosophila)	NM_130446	Hs.659147

2.3282022	APOBEC3G	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G	AK022802	Hs.660143
-4.0095434	EXOSC6	exosome component 6	ENST00000288063	Hs.660633
2.0486982	ZMYM2	zinc finger, MYM-type 2	AL136621	Hs.665654
2.8319097	MGC16025	hypothetical protein MGC16025	BC008026	Hs.676121
2.0606396			AV739664	Hs.686885
2.1821806	TPST2	tyrosylprotein sulfotransferase 2	NM_001008566	Hs.694819
2.2964718	RAB11FIP1	RAB11 family interacting protein 1 (class I)	NM_001002233	Hs.696035
2.35901	LOC647121	embigin homolog (mouse) pseudogene	NR_003955	Hs.697682
2.1541605	MEF2C	myocyte enhancer factor 2C	NM_002397	Hs.699175
2.7457678	TP53INP1	tumor protein p53 inducible nuclear protein 1	NM_033285	Hs.700624
2.0368733	CIITA	class II, major histocompatibility complex, transactivator	NM_000246	Hs.701991
2.0579395	SMNDC1	survival motor neuron domain containing 1	NM_005871	Hs.702187
-2.3616695	ND1	NADH dehydrogenase, subunit 1 (complex I)	ENST00000361390	Hs.703252
2.2643847	CRIP1	cysteine-rich protein 1 (intestinal)	NM_001311	Hs.70327
		Homo sapiens cDNA FLJ32509 fis, clone SMINT1000054. [AK057071]	AK057071	Hs.703561
-2.076841			NM_001017956	Hs.708008
-2.033887	OS9	amplified in osteosarcoma	NM_139266	Hs.708051
2.8032143	STAT1	signal transducer and activator of transcription 1, 91kDa	NR_003491	Hs.708982
2.753984	MIAT	myocardial infarction associated transcript (non-protein coding)	BC032451	Hs.709180
5.9116526	IGK@	immunoglobulin kappa locus	BC034142	Hs.709180
4.49886	IGKV1-5	immunoglobulin kappa variable 1-5	AJ399872	Hs.709180
4.29846	HLA-C		NM_000442	Hs.709189
2.1736076	PECAM1	platelet/endothelial cell adhesion molecule (CD31 antigen)	NM_000565	Hs.709210
2.509133	IL6R	interleukin 6 receptor	NM_004048	Hs.709313
3.744024	B2M	beta-2-microglobulin		
		CTD (carboxy-terminal domain, RNA polymerase II, polypeptide		
-2.090688	CTDSP1	A) small phosphatase 1	NM_182642	Hs.709352
-2.0357769	GCS1	glucosidase I	NM_006302	Hs.709420
2.0056639	ABCA6	ATP-binding cassette, sub-family A (ABC1), member 6	NM_080284	Hs.709514
2.3516557	CATSPER2	cation channel, sperm associated 2	NM_172097	Hs.710334

-2.0392127	LOC100133315	similar to hCG1640299	AK131288	Hs.710569
-2.1786997	C1orf152	chromosome 1 open reading frame 152	NR_003242	Hs.711472
2.69929	TRA@	T cell receptor alpha locus	BC063385	Hs.74647
4.120243	RGS1	regulator of G-protein signaling 1	NM_002922	Hs.75256
2.465136	SLA	Src-like-adaptor	NM_001045556	Hs.75367
2.4377854	CCL4	chemokine (C-C motif) ligand 4	NM_002984	Hs.75703
3.5013306	HLA-B	major histocompatibility complex, class I, B	NM_005514	Hs.77961
		aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid		
2.1979165	AKR1C3	dehydrogenase, type II)	NM_003739	Hs.78183
2.636453	NFIL3	nuclear factor, interleukin 3 regulated	NM_005384	Hs.79334
2.5572054	GADD45A	growth arrest and DNA-damage-inducible, alpha	NM_001924	Hs.80409
2.1593578	PIM1	pim-1 oncogene	NM_002648	Hs.81170
3.3694217	IFI44	interferon-induced protein 44	NM_006417	Hs.82316
2.1167622	CRYZ	crystallin, zeta (quinone reductase)	NM_001889	Hs.83114
2.3918307	CD8A	CD8a molecule	NM_001768	Hs.85258
3.2372684	PNOC	prepronociceptin	NM_006228	Hs.88218
2.0215206	GPR68	G protein-coupled receptor 68	NM_003485	Hs.8882
2.5579872	ALOX5	arachidonate 5-lipoxygenase	NM_000698	Hs.89499
2.0920136	C1QB	complement component 1, q subcomponent, B chain	NM_000491	Hs.8986
-2.1744065	NPM3	nucleophosmin/nucleoplasmin, 3	NM_006993	Hs.90691
		granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated		
4.366175	GZMA	serine esterase 3)	NM_006144	Hs.90708
-3.092122	TBKBP1	TBK1 binding protein 1	NM_014726	Hs.94790
-2.1850517	HNRNPA0	heterogeneous nuclear ribonucleoprotein A0	NM_006805	Hs.96996
		AV702101 ADB Homo sapiens cDNA clone ADBCGB06 5',		
2.0300803		mRNA sequence [AV702101]	AV702101	Hs.97579
2.1013496	IL23A	interleukin 23, alpha subunit p19	NM_016584	Hs.98309
2.3446662	RAB31	RAB31, member RAS oncogene family	NM_006868	Hs.99528

