

nCounter® Human AutoImmune Profiling Panel - Gene and Probe Details				
Official Symbol	Accession	Alias / Previous Symbol	Official Full Name	Other targets or Isoform Information
ACE	NM_000789.2	DCP1;angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	angiotensin I converting enzyme	
ACIN1	NM_001164815.1	ACINUS;apoptotic chromatin condensation inducer in the nucleus	apoptotic chromatin condensation inducer 1	
ACP5	NM_001611.3		acid phosphatase 5, tartrate resistant	
ACTR1B	NM_005735.3	CTR2;ARP1 (actin-related protein 1, yeast) homolog B (centractin beta),ARP1 actin-related protein 1 homolog B, centractin beta	ARP1 actin related protein 1 homolog B	
ADAM17	NM_003183.4	TACE;tumor necrosis factor, alpha, converting enzyme	ADAM metalloproteinase domain 17	
ADAR	NM_001111.3	IFI4,G1P1;interferon-induced protein 4	adenosine deaminase, RNA specific	
ADORA2A	NM_000675.3	ADORA2	adenosine A2a receptor	
AGER	NM_001136.3		advanced glycosylation end-product specific receptor	
AGT	NM_000029.3	SERPINA8;serpin peptidase inhibitor, clade A, member 8	angiotensinogen	
AHR	NM_001621.3		aryl hydrocarbon receptor	
AICDA	NM_020661.2	activation-induced cytidine deaminase	activation induced cytidine deaminase	
AIM2	NM_004833.1		absent in melanoma 2	
AIRE	NM_000383.2	APCED;autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy)	autoimmune regulator	
AKT1	NM_001014432.1	v-akt murine thymoma viral oncogene homolog 1	AKT serine/threonine kinase 1	
AKT2	NM_001626.4	v-akt murine thymoma viral oncogene homolog 2	AKT serine/threonine kinase 2	
AKT3	NM_005465.4	v-akt murine thymoma viral oncogene homolog 3	AKT serine/threonine kinase 3	
ALAS2	NM_001037968.3	ASB;aminolevulinatase, delta-, synthase 2 (sideroblastic/hypochromic anemia),aminolevulinatase, delta-, synthase 2	5'-aminolevulinatase synthase 2	
ALOX15	NM_001140.3		arachidonate 15-lipoxygenase	
ALOX5	NM_000698.2		arachidonate 5-lipoxygenase	
ANGPT1	NM_001146.3		angiotensinogen 1	
ANXA1	NM_000700.1	ANX1,LPC1	annexin A1	
AP1B1	NM_001127.3	ADTB1,CLAPB2,ADTB1, CLAPB2	adaptor related protein complex 1 beta 1 subunit	
AP1M1	NM_001130524.1		adaptor related protein complex 1 mu 1 subunit	
AP1S1	NM_001283.3	CLAP1,LEK3;erythrokraterodermia variabilis 3 (Kamouraska type),adaptor-related protein complex 1, sigma 1 subunit,adaptor-related protein complex 1 sigma 1 subunit	adaptor related protein complex 1 sigma 1 subunit	
AP2A1	NM_014203.2	CLAP1,ADTAA,adaptor-related protein complex 2, alpha 1 subunit	adaptor related protein complex 2 alpha 1 subunit	
AP2A2	NM_012205.2	CLAP2,ADTAB,adaptor-related protein complex 2, alpha 2 subunit	adaptor related protein complex 2 alpha 2 subunit	
AP2M1	NM_004068.3	CLAPM1,adaptor-related protein complex 2, mu 1 subunit	adaptor related protein complex 2 mu 1 subunit	
APC	NM_000028.3	adenomatous polyposis coli,adenomatous polyposis coli	APC, WNT signaling pathway regulator	
APP	NM_000484.3	AD1;Alzheimer disease,amyloid beta (A4) precursor protein	amyloid beta precursor protein	
AQP4	NM_004028.3		aquaporin 4	
AQP9	NM_020980.3		aquaporin 9	
ARF1	NM_001024227.1		ADP ribosylation factor 1	
ARHGEF1	NM_198977.1	Rho guanine nucleotide exchange factor (GEF) 1	Rho guanine nucleotide exchange factor 1	
ARRB2	NM_004313.3	ARR2;arrestin, beta 2	arrestin beta 2	
ATF2	NM_001256091.1	CREB2;cAMP responsive element binding protein 2	activating transcription factor 2	
ATG101	NM_021934.4	C12orf44;chromosome 12 open reading frame 44	autophagy related 101	
ATG4B	NM_013325.4	APG4B,APG4 autophagy 4 homolog B (S. cerevisiae),ATG4 autophagy related 4 homolog B (S. cerevisiae),autophagy related 4B, cysteine peptidase	autophagy related 4B cysteine peptidase	
ATG5	NM_004849.2	APG5L,APG5 (autophagy 5, S. cerevisiae)-like,APG5 autophagy 5-like (S. cerevisiae),ATG5 autophagy related 5 homolog 5 (S. cerevisiae)	autophagy related 5	
ATG9A	NM_001077198.1	APG9L;APG9 autophagy 9-like 1 (S. cerevisiae),ATG9 autophagy related 9 homolog A (S. cerevisiae)	autophagy related 9A	
ATM	NM_138292.3	ATA,ATDC,ATC,ATD;ataxia telangiectasia mutated (includes complementation groups A, C and D),ataxia telangiectasia mutated	ATM serine/threonine kinase	
ATP6V0A1	NM_001130021.1	VPP1,ATP6N1,ATP6N1A,ATPase, H+ transporting, lysosomal (vacuolar proton pump) non-catalytic accessory protein 1A (110/116kD),ATPase, H+ transporting, lysosomal V0 subunit a isoform 1,ATPase, H+ transporting, lysosomal V0 subunit A1,ATPase, H+ transporting, lysosomal V0 subunit a1	ATPase H+ transporting V0 subunit a1	
ATP6V0C	NM_001198569.1	ATPL,ATP6C,ATP6L,ATPase, H+ transporting, lysosomal (vacuolar proton pump) 16kD,ATPase, H+ transporting, lysosomal 16kDa, V0 subunit c	ATPase H+ transporting V0 subunit c	
ATP6V1C2	XR_922657.1	ATPase, H+ transporting, lysosomal 42kD, V1 subunit C isoform 2,ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C2	ATPase H+ transporting V1 subunit C2	
ATP6V1H	NM_213620.1	ATPase, H+ transporting, lysosomal 50/57kD, V1 subunit H,ATPase, H+ transporting, lysosomal 50/57kDa, V1 subunit H	ATPase H+ transporting V1 subunit H	
BAD	NM_004322.3		BCL2 associated agonist of cell death	
BAX	NM_138761.3	BCL2-associated X protein,BCL2 associated X protein	BCL2 associated X, apoptosis regulator	
BCL10	NM_003921.2		B cell CLL/lymphoma 10	
BCL2	NM_000657.2	B-cell CLL/lymphoma 2	BCL2, apoptosis regulator	
BCL2A1	NM_004049.3	HBP1A	BCL2 related protein A1	
BCL2L1	NM_138578.1		BCL2 like 1	
BCL6	NM_001706.2	ZNF51;zinc finger protein 51	B cell CLL/lymphoma 6	
BCLAF1	NM_001077440.1	BCL2-associated transcription factor 1	BCL2 associated transcription factor 1	
BDNF	NM_170732.4		brain derived neurotrophic factor	
BIRC2	NM_001166.3	API1;baculoviral IAP repeat-containing 2	baculoviral IAP repeat containing 2	
BIRC3	NM_182962.2	API2;baculoviral IAP repeat-containing 3	baculoviral IAP repeat containing 3	
BLK	NM_001715.2	B lymphoid tyrosine kinase	BLK proto-oncogene, Src family tyrosine kinase	
BLNK	NM_013314.2		B cell linker	
BMP8A	NM_181809.3		bone morphogenetic protein 8a	
BMPER	NM_133468.4		BMP binding endothelial regulator	
BRAF	NM_004333.3	v-raf murine sarcoma viral oncogene homolog B	B-Raf proto-oncogene, serine/threonine kinase	
BRWD1	NM_001007246.2	C21orf107,WDR9;chromosome 21 open reading frame 107,WD repeat domain 9	bromodomain and WD repeat domain containing 1	
BST2	NM_004335.2		bone marrow stromal cell antigen 2	
BTK	NM_000061.1	AGMX1,IMD1;Bcrton agammaglobulinemia tyrosine kinase	Bcrton tyrosine kinase	
BTLA	NM_181780.2		B and T lymphocyte associated	
CLQA	NM_015991.2	complement component 1, q subcomponent, alpha polypeptide,complement component 1, q subcomponent A, A chain,complement C1q chain A	complement C1q A chain	
CI0B	NM_000491.3	complement component 1, q subcomponent, beta polypeptide,complement component 1, q subcomponent, B chain,complement C1q chain B	complement C1q B chain	
C2	NM_000063.5	complement component 2	complement C2	
C3	NM_000064.2	complement component 3	complement C3	
C4A/B	NM_007293.2	complement component 4A,complement component 4A (Rodgers blood group)	complement C4A (Rodgers blood group)	LOC110384692 (NM_001352000), C4B_2 (NM_001242823)
C5	NM_001735.2	complement component 5	complement C5	
CSAR1	NM_001736.2	CSR1;complement component 5 receptor 1 (C5a ligand),complement component 5a receptor 1	complement C5a receptor 1	
CAMK2D	NM_001221.3	CAMK2;calcium/calmodulin-dependent protein kinase (CaM kinase) II delta	calcium/calmodulin dependent protein kinase II delta	
CAMK2G	NM_001222.2	CAMK2;calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma	calcium/calmodulin dependent protein kinase II gamma	
CAMP	NM_004345.3		cathelicidin antimicrobial peptide	
CAPN1	NM_001198868.1	calpain 1, (mu//I) large subunit	calpain 1	
CARD11	NM_032415.2	caspace recruitment domain family, member 11	caspace recruitment domain family member 11	
CARD8	NM_001184900.1	caspace recruitment domain family, member 8	caspace recruitment domain family member 8	sub-maximal transcript coverage due to non-overlapping transcripts
CASP1	NM_001223.3	IL1BC;caspace 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase),caspace 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase),caspace 1, apoptosis-related cysteine peptidase	caspace 1	
CASP3	NM_004346.3	caspace 3, apoptosis-related cysteine protease,caspase 3, apoptosis-related cysteine peptidase	caspace 3	
CASP5	NM_004347.1	caspace 5, apoptosis-related cysteine protease,caspase 5, apoptosis-related cysteine peptidase	caspace 5	
CASP8	NM_001228.4	caspace 8, apoptosis-related cysteine protease,caspase 8, apoptosis-related cysteine peptidase	caspace 8	
CB1	NM_005188.3	CB1;Cas-Br-M (murine) ecotropic retroviral transforming sequence,Cbl proto-oncogene, E3 ubiquitin protein ligase	Cbl proto-oncogene	
CCL13	NM_005408.2	SCYA13;small inducible cytokine subfamily A (Cys-Cys), member 13,chemokine (C-C motif) ligand 13	C-C motif chemokine ligand 13	
CCL18	NM_002988.2	SCYA18;small inducible cytokine subfamily A (Cys-Cys), member 18, pulmonary and activation-regulated,chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated),chemokine (C-C motif) ligand 18	C-C motif chemokine ligand 18	
CCL19	NM_006274.2	SCYA19;small inducible cytokine subfamily A (Cys-Cys), member 19,chemokine (C-C motif) ligand 19	C-C motif chemokine ligand 19	
CCL2	NM_002982.3	SCYA2;small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sige),chemokine (C-C motif) ligand 2	C-C motif chemokine ligand 2	
CCL20	NM_004591.1	SCYA20;small inducible cytokine subfamily A (Cys-Cys), member 20,chemokine (C-C motif) ligand 20	C-C motif chemokine ligand 20	

CLL21	NM_002989.2	SCYA21;small inducible cytokine subfamily A (Cys-Cys), member 21,chemokine (C-C motif) ligand 21	C-C motif chemokine ligand 21	
CCL3	NM_002983.2	SCYA3;small inducible cytokine A3 (homologous to mouse Mip-1a),chemokine (C-C motif) ligand 3	C-C motif chemokine ligand 3	CCL3L3 (NM_001001437), CCL3L1 (NM_021006)
CCL4	NM_002984.2	LAG1,SCYA4;small inducible cytokine A4 (homologous to mouse Mip-1b),chemokine (C-C motif) ligand 4	C-C motif chemokine ligand 4	CCL4L1 (NM_207007)
CCL5	NM_002985.2	D17S136E,SCYA5;small inducible cytokine A5 (RANTES),chemokine (C-C motif) ligand 5	C-C motif chemokine ligand 5	
CCL8	NM_005623.2	SCYA8;small inducible cytokine subfamily A (Cys-Cys), member 8 (monocyte chemoattractant protein 2),chemokine (C-C motif) ligand 8	C-C motif chemokine ligand 8	
CCR1	NM_001295.2	SCYAR1,CMKBR1,chemokine (C-C motif) receptor 1	C-C motif chemokine receptor 1	
CCR7	NM_001838.2	CMKBR7,EB1,chemokine (C-C motif) receptor 7	C-C motif chemokine receptor 7	
CD14	NM_000591.2	CD14 antigen	CD14 molecule	
CD163	NM_004244.4	CD163 antigen	CD163 molecule	
CD164	NM_006016.4	CD164 antigen, sialomucin,CD164 molecule, sialomucin	CD164 molecule	
CD177	NM_020406.3	CD177 antigen	CD177 molecule	
CD19	XM_011545981.1	CD19 antigen	CD19 molecule	
CD209	NM_001144899.1	CD209 antigen	CD209 molecule	
CD22	NM_001771.2	CD22 antigen	CD22 molecule	
CD24	NM_013230.2	CD24 antigen (small cell lung carcinoma cluster 4 antigen)	CD24 molecule	
CD244	NM_001166663.1	natural killer cell receptor 2B4,CD244 natural killer cell receptor 2B4,CD244 molecule, natural killer cell receptor 2B4	CD244 molecule	
CD27	NM_001242.4	TNFRSF7;tumor necrosis factor receptor superfamily, member 7	CD27 molecule	
CD274	NM_014143.3	PDCD1LG1;programmed cell death 1 ligand 1,CD274 antigen	CD274 molecule	
CD276	NM_001024736.1	CD276 antigen	CD276 molecule	
CD28	NM_001243078.1	CD28 antigen (Tp44)	CD28 molecule	
CD34	NM_001025109.1	CD34 antigen	CD34 molecule	
CD3D	NM_000732.4	T3D;CD3d antigen, delta polypeptide (TIT3 complex),CD3d molecule, delta (CD3-TCR complex)	CD3d molecule	
CD3E	NM_000733.2	CD3e antigen, epsilon polypeptide (TIT3 complex),CD3e molecule, epsilon (CD3-TCR complex)	CD3e molecule	
CD3G	NM_000073.2	CD3g antigen, gamma polypeptide (TIT3 complex),CD3g molecule, gamma (CD3-TCR complex)	CD3g molecule	
CD4	NM_000616.4	CD4 antigen (p55),T-cell surface glycoprotein CD4	CD4 molecule	
CD40	NM_001250.4	TNFRSF5;tumor necrosis factor receptor superfamily, member 5,CD40 molecule, TNF receptor superfamily member 5	CD40 molecule	
CD40LG	NM_000074.2	HIGM1,IMD3,TNFSF5;tumor necrosis factor (ligand) superfamily, member 5 (hyper-IgM syndrome)	CD40 ligand	
CD44	NM_001001392.1	MIC4,MDU2,MDU3;CD44 antigen (homing function and Indian blood group system)	CD44 molecule (Indian blood group)	
CD45RO	NM_080921.3	CD45	protein tyrosine phosphatase, receptor type C	targets CD45RO isoform only
CD45RA	NM_002838.4	CD45	protein tyrosine phosphatase, receptor type C	targets CD45RA isoforms only
CD45RB	ENST00000367367.1	CD45	protein tyrosine phosphatase, receptor type C	targets CD45RB isoforms only
CD46	NM_172350.1	MIC30,MCP;antigen identified by monoclonal antibody TRA-2-10,membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen),CD46 antigen, complement regulatory protein,CD46 molecule, complement regulatory protein	CD46 molecule	
CD5	NM_014207.2	LEU1;CD5 antigen (p56-62)	CD5 molecule	
CD52	NM_001803.2	CDW52;CD52 antigen (GAMPATH-1 antigen)	CD52 molecule	
CD55	NM_000574.3	DAF;decay accelerating factor for complement (CD55, Cromer blood group system),CD55 molecule, decay accelerating factor for complement (Cromer blood group)	CD55 molecule (Cromer blood group)	
CD59	NM_000611.4	MIC11,MIN1,MSK21,MIN2,MIN3;CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, E16, E130, EL32 and G344),CD59 antigen, complement regulatory protein,CD59 molecule, complement regulatory protein,CD59 molecule	CD59 molecule (CD59 blood group)	
CD6	NM_001254751.1	CD6 antigen	CD6 molecule	
CD68	NM_001251.2	CD68 antigen	CD68 molecule	
CD7	NM_006137.6	CD7 antigen (p41)	CD7 molecule	
CD70	NM_001252.2	CD27LG,TNFSF7;tumor necrosis factor (ligand) superfamily, member 7	CD70 molecule	
CD74	NM_001025159.1	DHLG;CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated),CD74 molecule, major histocompatibility complex, class II invariant chain IGA;CD79A antigen (immunoglobulin-associated alpha),CD79a molecule, immunoglobulin-associated alpha	CD74 molecule	
CD79A	NM_001783.3	CD79a molecule	CD79a molecule	
CD80	NM_004391.3	CD28LG,CD28LG1;CD80 antigen (CD28 antigen ligand 1, B7-1 antigen),CD80 molecule	CD80 molecule	
CD81	NM_004356.3	TAPA1;CD81 antigen (target of antiproliferative antibody 1)	CD81 molecule	
CD83	NM_004233.3	CD83 antigen (activated B lymphocytes, immunoglobulin superfamily),CD83 molecule	CD83 molecule	
CD84	NM_001184879.1	CD84 antigen (leukocyte antigen),CD84 molecule	CD84 molecule	
CD86	NM_175862.3	CD28LG2;CD86 antigen (CD28 antigen ligand 2, B7-2 antigen)	CD86 molecule	
CD8A	NM_001768.6	CD8;CD8 antigen, alpha polypeptide (p32),T-cell surface glycoprotein CD8 alpha chain	CD8a molecule	
CD8B	NM_172099.2	CD8B1;CD8 antigen, beta polypeptide 1 (p37)	CD8b molecule	CD8B2 (NM_001349727)
CD96	NM_005816.4	CD96 antigen	CD96 molecule	
CDC42	NM_001039802.1	cell division cycle 42 (GTP-binding protein, 25kD),cell division cycle 42 (GTP binding protein, 25kDa)	cell division cycle 42	
CDH2	NM_001792.3	NCAD;cadherin 2, type 1, N-cadherin (neuronal)	cadherin 2	
CDK8	NM_001260.1	cyclin-dependent kinase 8	cyclin dependent kinase 8	
CDK9	NM_001261.2	CDC2L4;cyclin-dependent kinase 9 (CDC2-related kinase)	cyclin dependent kinase 9	
CDKN1A	NM_000389.2	CDKN1;cyclin-dependent kinase inhibitor 1A (p21, Cip1)	cyclin dependent kinase inhibitor 1A	
CEACAM3	NM_001815.3	GMG1;carcinoembryonic antigen-related cell adhesion molecule 3	carcinoembryonic antigen related cell adhesion molecule 3	
CFB	NM_001710.5	BF,D,BF-B-factor, properdin	complement factor B	
CFD	NM_001928.2	DF,PF,D component of complement (adipsin),properdin factor D,complement factor D (adipsin)	complement factor D	
CFH	NM_001014975.2	HF,HF1,HF2,H factor 1 [complement]	complement factor H	
CFLAR	NM_001127183.1	CASP8A1;CASP8 and FADD-like apoptosis regulator	CASP8 and FADD like apoptosis regulator	sub-maximal transcript coverage due to non-overlapping transcripts
CFP	NM_002621.2	PFC,properdin P factor, complement	complement factor properdin	
CGAS	NM_138441.2	CGorf150,MB21D1;chromosome 6 open reading frame 150,Mab-21 domain containing 1	cyclic GMP-AMP synthase	
CHUK	NM_001278.3	TCF16	conserved helix-loop-helix ubiquitous kinase	
CIITA	NM_000246.3	MHC2TA;MHC class II transactivator,class II, major histocompatibility complex, transactivator CLECF9;C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 9,C-type lectin domain family 4, member E	class II major histocompatibility complex transactivator	
CLEC4E	NM_014358.2	CLU,APOL3;clusterin (complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2, testosterone-repressed prostate message 2, apolipoprotein J)	C-type lectin domain family 4 member E	
CLU	NM_203339.2	clusterin	clusterin	
CMKLR1	NM_004072.2	chemokine-like receptor 1	chemerin chemokine-like receptor 1	
CPA3	NM_001870.2	carboxypeptidase A3 (mast cell)	carboxypeptidase A3	
CR2	NM_001006658.1	complement component (3d/Epstein Barr virus) receptor 2,complement component 3d receptor 2	complement C3d receptor 2	
CRCP	NM_001040648.1	CRP receptor component	CRP receptor component	
CREB1	NM_004379.3	cAMP responsive element binding protein 1	cAMP responsive element binding protein 1	
CREB3	NM_006368.4	cAMP responsive element binding protein 3 (human)	cAMP responsive element binding protein 3	
CREB3L2	NM_194071.3	cAMP responsive element binding protein 3 like 2	cAMP responsive element binding protein 3 like 2	
CREB3L4	NM_130898.2	cAMP responsive element binding protein 3 like 4	cAMP responsive element binding protein 3 like 4	
CREBBP	NM_004380.2	RSTS;Rubinstein-Taybi syndrome	CREB binding protein	
CRP	NM_000567.2	C-reactive protein, pentraxin-related	C-reactive protein	
CSF1	NM_000757.4	colony stimulating factor 1 (macrophage)	colony stimulating factor 1	
CSF2	NM_000758.2	colony stimulating factor 2 (granulocyte-macrophage)	colony stimulating factor 2	
CSF2RA	NM_006140.3	CSF2R;colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	colony stimulating factor 2 receptor alpha subunit	
CSF3R	NM_000760.3	CD114;colony stimulating factor 3 receptor (granulocyte)	colony stimulating factor 3 receptor	
CSK	NM_004383.1	c-src tyrosine kinase,CSK, non-receptor tyrosine kinase	C-terminal Src kinase	
CTLA4	NM_005214.3	CELIAC3,IDD112;celiac disease 3,insulin-dependent diabetes mellitus 12	cytotoxic T-lymphocyte associated protein 4	
CTNNA1	NM_001098210.1	CTNNA1;catenin (cadherin-associated protein), beta 1, 88kDa,catenin (cadherin-associated protein), beta 1	catenin beta 1	
CTNND1	NM_001331.2	CTNND1;catenin (cadherin-associated protein), delta 1	catenin delta 1	
CTPS1	NM_001905.2	CTPS;CTP synthase	CTP synthase 1	
CTSA	NM_001127695.1	GLS1,PP6B;protective protein for beta-galactosidase (galactosialidosis)	cathepsin A	
CTSC	NM_001114173.1	PLS,PAIS	cathepsin C	
CTSO	NM_001334.2	CTS01	cathepsin O	
CTSW	NM_001335.3	cathepsin W (lymphopain)	cathepsin W	
CUL1	NM_003592.2	culin 1	culin 1	
CX3CL1	NM_002996.3	SCYD1;small inducible cytokine subfamily D (Cys-X3-Cys), member 1 (fractalkine, neurotactin),chemokine (C-X3-C motif) ligand 1	C-X3-C motif chemokine ligand 1	
CXCL1	NM_001511.1	MGSA,GRO1,FSP;GRO1 oncogene (melanoma growth stimulating activity, alpha),fibroblast secretory protein,chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	C-X-C motif chemokine ligand 1	

CXCL10	NM_001565.2	INP10,SCYB10;small inducible cytokine subfamily B (Cys-X-Cys), member 10,chemokine (C-X-C motif) ligand 10	C-X-C motif chemokine ligand 10	
CXCL12	NM_199168.3	SDF1A,SDF1B,SDF1;stromal cell-derived factor 1,chemokine (C-X-C motif) ligand 12	C-X-C motif chemokine ligand 12	
CXCL13	NM_006419.2	SCYB13;small inducible cytokine B subfamily (Cys-X-Cys motif), member 13 (B-cell chemoattractant),chemokine (C-X-C motif) ligand 13	C-X-C motif chemokine ligand 13	
CXCL2	NM_002089.3	GR02,GR02 oncogene,chemokine (C-X-C motif) ligand 2	C-X-C motif chemokine ligand 2	
CXCL5	NM_002994.3	SCYB5;small inducible cytokine subfamily B (Cys-X-Cys), member 5 (epithelial-derived neutrophil-activating peptide 78),chemokine (C-X-C motif) ligand 5	C-X-C motif chemokine ligand 5	
CXCL8	NM_000584.2	IL8,interleukin 8,chemokine (C-X-C motif) ligand 8	C-X-C motif chemokine ligand 8	
CXCL9	NM_002416.2	CMK,MIG;monokine induced by gamma interferon,chemokine (C-X-C motif) ligand 9	C-X-C motif chemokine ligand 9	
CXCR1	NM_000634.2	CMKAR1,IL8RA;interleukin 8 receptor, alpha,chemokine (C-X-C motif) receptor 1	C-X-C motif chemokine receptor 1	
CXCR4	NM_003467.2	chemokine (C-X-C motif), receptor 4 (fusin),chemokine (C-X-C motif) receptor 4	C-X-C motif chemokine receptor 4	
CXCR5	NM_001716.3	BLR1,Burkitt lymphoma receptor 1, GTP-binding protein,Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5),chemokine (C-X-C motif) receptor 5	C-X-C motif chemokine receptor 5	
CXCR6	NM_006564.1	chemokine (C-X-C motif) receptor 6	C-X-C motif chemokine receptor 6	
CYBA	NM_000101.3	cytochrome b-245, alpha polypeptide	cytochrome b-245 alpha chain	
CYBB	NM_000397.3	CGD;chronic granulomatous disease, cytochrome b-245, beta polypeptide	cytochrome b-245 beta chain	
CYLD	NM_01042412.1	CYLD1,cylindromatosis (turban tumor syndrome)	CYLD lysine 63 deubiquitinase	
DAB2IP	NM_138709.1		DAB2 interacting protein	
DAXX	NM_001350.3	death-associated protein 6	death domain associated protein	
DDIT4	NM_019058.2	DNA damage-inducible transcript 4	DNA damage inducible transcript 4	
DDX24	NM_020414.3	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 24,DEAD (Asp-Glu-Ala-Asp) box polypeptide	DEAD-box helicase 24	
DDX58	NM_014314.3	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	DEAD/H-box helicase 58	
DIABLO	NM_138930.2	diablo, IAP-binding mitochondrial protein	diablo IAP-binding mitochondrial protein	B3GN74 (NM_001330492;NM_030765)
DLL1	NM_005518.3	delta (Drosophila)-like 1,delta-like 1 (Drosophila)	delta like canonical Notch ligand 1	
DLL4	NM_019074.2	delta-like 4 homolog (Drosophila),delta-like 4 (Drosophila)	delta like canonical Notch ligand 4	
DNMT1	NM_001379.2	DNMT;DNA (cytosine-5)-methyltransferase 1	DNA methyltransferase 1	
DNMT3A	NM_022552.4	DNMT (cytosine-5)-methyltransferase 3 alpha	DNA methyltransferase 3 alpha	sub-maximal transcript coverage due to non-overlapping transcripts
DTX3L	NM_138287.2	deltex 3-like (Drosophila)	deltex E3 ubiquitin ligase 3L	
DVL2	NM_004422.2	dishevelled 2 (homologous to Drosophila dsh),dishevelled, dsh homolog 2 (Drosophila)	dishevelled segment polarity protein 2	
DYNLL2	NM_080677.2		dynein light chain LC8-type 2	
E2F4	NM_001950.3	E2F transcription factor 4, p107/p130-binding	E2F transcription factor 4	
EBI3	NM_005755.2		Epstein-Barr virus induced 3	
EGF	NM_001963.4	epidermal growth factor (beta-urogastrone)	epidermal growth factor	
EGR2	NM_000399.3	KROX20;early growth response 2 (Krox-20 homolog, Drosophila)	early growth response 2	
EIF4A2	NM_001967.3	EIF4F;eukaryotic translation initiation factor 4A, isoform 2	eukaryotic translation initiation factor 4A2	
EIF4EBP1	NM_004095.3		eukaryotic translation initiation factor 4E binding protein 1	
ELANE	NM_001972.2	ELA2;elastase 2, neutrophil	elastase, neutrophil expressed	
ELAV1	NM_001419.2	HUR,ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R)	ELAV like RNA binding protein 1	
ELK1	NM_005229.3	ELK1, member of ETS oncogene family	ELK1, ETS transcription factor	
ENO1	NM_001428.2	ENO1L1,MPB1,enolase 1, (alpha)	enolase 1	
ECM65	NM_005442.2	emosodermin (Xenopus laevis) homolog	emosodermin	
EP300	NM_001429.2		E1A binding protein p300	
ERAP2	NM_001130140.1		endoplasmic reticulum aminopeptidase 2	
ERO1A	NM_014584.1	ERO1L;ERO1 (S. cerevisiae)-like,ERO1-like (S. cerevisiae)	endoplasmic reticulum oxidoreductase 1 alpha	
ETS1	NM_005238.3	EWSR2;v-ets avian erythroblastosis virus E26 oncogene homolog 1	ETS proto-oncogene 1, transcription factor	
EZH2	NM_001203247.1	enhancer of zeste (Drosophila) homolog 2,enhancer of zeste homolog 2 (Drosophila)	enhancer of zeste 2 polycomb repressive complex 2 subunit	
F13A1	NM_000129.3	F13A;coagulation factor XIII, A1 polypeptide	coagulation factor XIII A chain	
F8	NM_019863.2	F8C;coagulation factor VIII, procoagulant component	coagulation factor VIII	
FADD	NM_003824.2	Fas (TNFRSF6)-associated via death domain	Fas associated via death domain	
FAM129C	NM_173544.4	family with sequence similarity 129, member C	family with sequence similarity 129 member C	
FAM30A	NM_014792.2	C14orf110,KIAA0125;chromosome 14 open reading frame 110,KIAA0125	family with sequence similarity 30 member A	
FAS	NM_152876.1	FAS1,APT1,TNFRSF6;tumor necrosis factor receptor superfamily, member 6,Fas (TNF receptor superfamily, member 6)	Fas cell surface death receptor	
FASLG	NM_000639.1	APT1LG1,TNFSF6;tumor necrosis factor (ligand) superfamily, member 6,Fas ligand (TNF superfamily, member 6)	Fas ligand	
FBX07	NM_001033024.1	F-box only protein 7	F-box protein 7	
FBXW11	NM_038645.2	FBXW11B;F-box and WD-40 domain protein 18,F-box and WD-40 domain protein 11	F-box and WD repeat domain containing 11	
FCAR	NM_002000.2	Fc fragment of IgA, receptor for	Fc fragment of IgA receptor	
FCGR1A	NM_000566.3	Fc fragment of IgG, high affinity Ia, receptor (CD64),Fc fragment of IgG, high affinity Ia, receptor (CD64)	Fc fragment of IgG receptor Ia	
FCGR2B	NM_001002273.1	FCG2,FCGR2;Fc fragment of IgG, low affinity Iib, receptor for (CD32),Fc fragment of IgG, low affinity Iib, receptor (CD32)	Fc fragment of IgG receptor Iib	
FCGR3A/B	NM_000570.4	FCGR3,FCG3;Fc fragment of IgG, low affinity IIIa, receptor for (CD16),Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	Fc fragment of IgG receptor IIIa	
FCN1	NM_002003.3		ficolin 1	
FCRL1	NM_001159397.1	Fc receptor-like 1	Fc receptor like 1	
FCRL2	NM_001159488.1	SPAP1;SH2 domain-containing phosphatase anchor protein 1,Fc receptor-like 2	Fc receptor like 2	
FCRL3	NM_0052939.3	Fc receptor-like 3	Fc receptor like 3	
FCRL4	NM_031282.1	Fc receptor-like 4	Fc receptor like 4	
FCRL5	NM_001195388.1	Fc receptor-like 5	Fc receptor like 5	
FES	NM_002005.2	feline sarcoma (Snyder-Theillen) viral (v-fes)/Fujinami avian sarcoma (PRCII) viral (v-fps) oncogene homolog,feline sarcoma oncogene	FES proto-oncogene, tyrosine kinase	
FGR	NM_001042747.1	SRG2;Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog,v-fgr feline Gardner-Rasheed sarcoma viral oncogene homolog,feline Gardner-Rasheed sarcoma viral oncogene homolog	FGR proto-oncogene, Src family tyrosine kinase	
FLT1	NM_002019.4	FLT;fms-related tyrosine kinase 1 (vascular endothelial growth factor)/vascular permeability factor receptor[,fms-related tyrosine kinase 1	fms related tyrosine kinase 1	
FLT4	NM_002020.1	fms-related tyrosine kinase 4	fms related tyrosine kinase 4	
FOXP1	NM_032682.5		forkhead box P1	sub-maximal transcript coverage due to non-overlapping transcripts
FOXP3	NM_014009.3	IPDX;immune dysregulation, polyendocrinopathy, enteropathy, X-linked	forkhead box P3	
FPR1	NM_002029.3		formyl peptide receptor 1	
FURIN	NM_002569.2	PCSK3,FUR,PACE;paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein),furin (paired basic amino acid cleaving enzyme)	furin, paired basic amino acid cleaving enzyme	
GATA3	NM_001002295.1	GATA-binding protein 3	GATA binding protein 3	
GBP2	NM_004120.3	guanylate binding protein 2, interferon-inducible	guanylate binding protein 2	
GBP3	NM_018284.2		guanylate binding protein 3	
GBP5	NM_052942.3		guanylate binding protein 5	
GCLC	NM_001498.2	GLCLC,GLCL;glutamate-cysteine ligase, catalytic subunit	glutamate-cysteine ligase catalytic subunit	
GHDC	NM_032484.4		GH3 domain containing	
GMFR	NM_006877.3		guanosine monophosphate reductase	
GNLY	NM_012483.3	LAG2	granulysin	
GRB2	NM_002086.4	growth factor receptor-bound protein 2	growth factor receptor bound protein 2	
GRK2	NM_001619.2	ADRBK1;adrenergic, beta, receptor kinase 1	G protein-coupled receptor kinase 2	
GRK6	NM_001004106.1	GPRK6	G protein-coupled receptor kinase 6	
GRN	NM_002087.2		granulin precursor	
GSDMD	NM_024736.5	GSDMDC1;gasdermin domain containing 1	gasdermin D	
GSK3B	NM_002093.2		glycogen synthase kinase 3 beta	
GSTP1	NM_000852.2	FAES3,GST3	glutathione S-transferase pi 1	
GUCY1B1	NM_000857.2	GUC1B3,GUCY1B3;guanylate cyclase 1, soluble, beta 3,guanylate cyclase 1 soluble subunit beta	guanylate cyclase 1 soluble subunit beta 1	
GZMA	NM_006144.2	HFP,CTLA3;granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)	granzyme A	
GZMB	NM_004131.3	CTLA1,CSPB;granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	granzyme B	
GZMH	NM_033423.3	CTSGL2;granzyme H (cathepsin G-like 2, protein h-CPPX)	granzyme H	
GZMM	NM_005317.2	granzyme M (lymphocyte met-ase 1)	granzyme M	
H2AFV2	NM_018649.2	H2A histone family, member Y2	H2A histone family member Y2	
HAVCR2	NM_032782.3		hepatitis A virus cellular receptor 2	
HDC	NM_002112.3		histidine decarboxylase	
HERC5	NM_016323.2	hect domain and RLD 5	HECT and RLD domain containing E3 ubiquitin protein ligase 5	
HERC6	NM_001165136.1	hect domain and RLD 6	HECT and RLD domain containing E3 ubiquitin protein ligase family member 6	
HIF1A	NM_001530.2	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	hypoxia inducible factor 1 alpha subunit	
HIST1H2AC	NM_003512.3	H2AFJ;H2A histone family, member L,histone 1, H2ac,histone cluster 1, H2ac	histone cluster 1 H2A family member c	
HIST1H2AE	NM_021052.2	H2AFK;H2A histone family, member A,histone 1, H2ae,histone cluster 1, H2ae	histone cluster 1 H2A family member e	
HIST1H2BD	NM_138720.2	H2BFG;H2B histone family, member B,histone 1, H2bd,histone cluster 1, H2bd	histone cluster 1 H2B family member d	
HIST1H2BF	NM_003522.3	H2BFG;H2B histone family, member G,histone 1, H2bf,histone cluster 1, H2bf	histone cluster 1 H2B family member f	
HIST1H2BK	NM_080593.2	H2BFT;H2B histone family, member T,histone 1, H2bk,histone cluster 1, H2bk	histone cluster 1 H2B family member k	
				HIST1H2BL (NM_003519), HIST1H2BI (NM_003525), HIST2H2BE (NM_003528), HIST2H2BF (NM_001024599;NM_00161334), H2BF5 (NM_017445), HIST1H2BF (NM_003522), HIST1H2BO (NM_003527), HIST1H2BI (NM_021058)

HIST1H3G	NM_003534.2	H3FH;H3 histone family, member H,histone 1, H3g,histone cluster 1, H3g	histone cluster 1 H3 family member g
HIST1H3H	NM_003536.2	H3FK;H3 histone family, member K,histone 1, H3h,histone cluster 1, H3h	histone cluster 1 H3 family member h
HIST1H4E	NM_003545.3	H4FH;H4 histone family, member J,histone 1, H4e,histone cluster 1, H4e	histone cluster 1 H4 family member e
HIST1H4H	NM_003543.3	H4FH;H4 histone family, member H,histone 1, H4h,histone cluster 1, H4h	histone cluster 1 H4 family member h
HLA-A	XR_430999.1		major histocompatibility complex, class I, A
HLA-B	NM_005514.6	AS;ankylosing spondylitis	major histocompatibility complex, class I, B
HLA-C	NM_002117.4	HLA-JY3,D6S204,PSORS1;psoriasis susceptibility 1	major histocompatibility complex, class I, C
HLA-DMA	NM_006120.3		major histocompatibility complex, class II, DM alpha
HLA-DMB	NM_002118.3		major histocompatibility complex, class II, DM beta
HLA-DQA	NM_002119.3	HLA-DZA,HLA-DNA	major histocompatibility complex, class II, DQ alpha
HLA-DOB	NM_002120.3		major histocompatibility complex, class II, DQ beta
HLA-DPA1	NM_003554.2	HLA-DP1A	major histocompatibility complex, class II, DP alpha 1
HLA-DPB1	NM_002121.4	HLA-DP1B	major histocompatibility complex, class II, DP beta 1
HLA-DQA1	NM_002122.3	HLA-DQA	major histocompatibility complex, class II, DQ alpha 1
HLA-DQA2	NM_020056.4	HLA-DXA	major histocompatibility complex, class II, DQ alpha 2
HLA-DQB1	NM_002123.3	HLA-DQB	major histocompatibility complex, class II, DQ beta 1
HLA-DQB2	NM_001198858.1	HLA-DXB	major histocompatibility complex, class II, DQ beta 2
HLA-DRA	NM_019111.4	HLA-DRA1	major histocompatibility complex, class II, DR alpha
HLA-DRB1	NM_002124.3	HLA-DR1B	major histocompatibility complex, class II, DR beta 1
HLA-DRB3/4	NM_022555.3	HLA-DR3B	major histocompatibility complex, class II, DR beta 3
HLA-DRB5	NM_002125.3		major histocompatibility complex, class II, DR beta 5
HLA-E	NM_005516.5		major histocompatibility complex, class I, E
HLA-F	NM_001098479.1		major histocompatibility complex, class I, F
HMG81	NM_002128.5	HMG1;high-mobility group (nonhistone chromosomal) protein 1,high-mobility group box 1	high mobility group box 1
HMG82	NM_001130688.1	HMG2;high-mobility group (nonhistone chromosomal) protein 2,high-mobility group box 2	high mobility group box 2
HRAS	NM_005343.2	HRAS1;v-Ha-ras Harvey rat sarcoma viral oncogene homolog,Harvey rat sarcoma viral oncogene homolog	HRAS proto-oncogene, GTPase
HSD11B1	NM_181755.1	HSD11B,HSD11;hydroxysteroid (11-beta) dehydrogenase 1	hydroxysteroid 11-beta dehydrogenase 1
HSP90AB1	NM_007355.2	HSPC2,HSPCB;heat shock 90kD protein 1, beta,heat shock 90kDa protein 1, beta,heat shock protein 90kDa alpha (cytosolic), class B member 1	heat shock protein 90 alpha family class B member 1
HSP90B1	NM_003299.1	TRAI1;tumor rejection antigen (gp96) 1,heat shock protein 90kDa beta (grp94), member 1	heat shock protein 90 beta family member 1
HSPB1	NM_001540.3	heat shock 27kD protein 1,heat shock 27kDa protein 1	heat shock protein family B (small) member 1
ICAM1	NM_000201.2		intercellular adhesion molecule 1
ICOS	NM_012092.2	inducible T-cell costimulator	inducible T cell costimulator
ICOSLG	NM_015259.5	ICOSL;inducible T-cell costimulator ligand	inducible T cell costimulator ligand
ID1	NM_002165.2	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	inhibitor of DNA binding 1, HLH protein
IDO1	NM_002164.5	IDO,INDO;indoleamine-pyrrole 2,3 dioxygenase	indoleamine 2,3-dioxygenase 1
IFI27	NM_005332.3		interferon alpha inducible protein 27
IFI30	NM_006332.3	interferon gamma inducible protein 30	IFI30, lysosomal thiol reductase
IFI35	NM_005533.3	interferon-induced protein 35	interferon induced protein 35
IFI44	NM_006417.4	interferon-induced protein 44	interferon induced protein 44
IFI44L	NM_006320.2	CIorf29;chromosome 1 open reading frame 29,interferon-induced protein 44-like	interferon induced protein 44 like
IFIH1	NM_002168.2		interferon induced with helicase C domain 1
IFIT1	NM_001548.3	G10P1,IFI56,IFNA1;interferon-induced protein with tetratricopeptide repeats 1	interferon induced protein with tetratricopeptide repeats 1
IFIT4		IFIT4;interferon-induced protein with tetratricopeptide repeats 4,interferon-induced protein with tetratricopeptide repeats 3	interferon induced protein with tetratricopeptide repeats 3
IFIT3	NM_001031683.2		interferon induced transmembrane protein 1
IFITM1	NM_003641.3	IFI17;interferon induced transmembrane protein 1 (9-27)	interferon induced transmembrane protein 1
IFITM3	NM_021034.2	interferon induced transmembrane protein 3 (1-8U)	interferon induced transmembrane protein 3
IFNA1	NM_024013.1		interferon alpha 1
IFNAR1	NM_000629.2	IFNAR;interferon (alpha, beta and omega) receptor 1	interferon alpha and beta receptor subunit 1
IFNAR2	NM_000874.3	IFNAR2;interferon (alpha, beta and omega) receptor 2	interferon alpha and beta receptor subunit 2
IFNB1	NM_002176.2	IFNB;interferon, beta 1, fibroblast	interferon beta 1
IFNG	NM_000619.2		interferon gamma
IFNGR1	NM_000416.2	IFNGR	interferon gamma receptor 1
IKKBK	NM_001556.1	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	inhibitor of nuclear factor kappa B kinase subunit beta
IKBKE	NM_014002.2	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon	inhibitor of nuclear factor kappa B kinase subunit epsilon
IKBKG	NM_003639.2	IP2,IP1;incontinentia pigmenti,inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma	inhibitor of nuclear factor kappa B kinase subunit gamma
IKZF1	NM_006060.4	ZNFN1A3;zinc finger protein, subfamily 1A, 1 (Ikaros),IKAROS family zinc finger 1 (Ikaros)	IKAROS family zinc finger 1
IKZF3	NM_183232.2	ZNFN1A3;zinc finger protein, subfamily 1A, 3 (Aiolos),IKAROS family zinc finger 3 (Aiolos)	IKAROS family zinc finger 3
IL10	NM_000572.2		interleukin 10
IL10RA	NM_001558.2	IL10R;interleukin 10 receptor, alpha	interleukin 10 receptor subunit alpha
IL10RB	NM_000628.3	CRFB4,D21558,D21566;interleukin 10 receptor, beta	interleukin 10 receptor subunit beta
IL12A	NM_000882.2	NKSF1;interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)	interleukin 12A
IL12B	NM_002187.2	NKSF2;interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)	interleukin 12B
IL12RB1	NM_005535.1	IL12RB;interleukin 12 receptor, beta 1	interleukin 12 receptor subunit beta 1
IL13	NM_002188.2		interleukin 13
IL15	NM_172174.1		interleukin 15
IL17A	NM_002190.2	CTLA8,IL17;interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8)	interleukin 17A
IL17C	NM_013278.3		interleukin 17C
IL17F	NM_052872.3		interleukin 17F
IL17RC	NM_153461.2		interleukin 17 receptor C
IL18	NM_001562.2	interleukin 18 (interferon-gamma-inducing factor)	interleukin 18
IL18R1	NM_003855.3		interleukin 18 receptor 1
IL18RAP	NM_003853.2		interleukin 18 receptor accessory protein
IL1A	NM_000575.3	IL1	interleukin 1 alpha
IL1B	NM_000576.2		interleukin 1 beta
IL1R1	NM_001320984.1	IL1R,IL1RA;interleukin 1 receptor, type I	interleukin 1 receptor type 1
IL1RN	NM_000577.3		interleukin 1 receptor antagonist
IL2	NM_000586.2		interleukin 2
IL21	NM_021803.2		interleukin 21
IL21R	NM_181078.1		interleukin 21 receptor
IL22	NM_020525.4		interleukin 22
IL23A	NM_016584.2	interleukin 23, alpha subunit p19	interleukin 23 subunit alpha
IL23R	NM_144701.2		interleukin 23 receptor
IL27	NM_145659.3	IL30;interleukin 30	interleukin 27
IL27RA	NM_004843.3	interleukin 27 receptor, alpha	interleukin 27 receptor subunit alpha
IL2RA	NM_000417.1	IL2R,IDD10;insulin-dependent diabetes mellitus 10,interleukin 2 receptor, alpha	interleukin 2 receptor subunit alpha
IL2RB	NM_000878.2	IL15RB;interleukin 15 receptor, beta,interleukin 2 receptor, beta	interleukin 2 receptor subunit beta
IL2RG	NM_000206.1	SCID1X1,IMD4, CIDX;severe combined immunodeficiency,combined immunodeficiency, X-linked,interleukin 2 receptor, gamma	interleukin 2 receptor subunit gamma
IL33	NM_033439.2	C3orf26;chromosome 9 open reading frame 26 (NF-HEV)	interleukin 33
IL4	NM_000589.2		interleukin 4
IL4R	NM_000418.3		interleukin 4 receptor
IL5	NM_000879.2	interleukin 5 (colony-stimulating factor, eosinophil)	interleukin 5
IL6	NM_000600.3	IFNB2;interleukin 6 (interferon, beta 2)	interleukin 6
IL6R	NM_000565.2		interleukin 6 receptor
IL6ST	NM_002184.2	interleukin 6 signal transducer (gp130, oncostatin M receptor)	interleukin 6 signal transducer
IL7	NM_000880.3		interleukin 7
IL7R	NM_002185.2		interleukin 7 receptor
IMPDH1	NM_000883.3	RP10;retinitis pigmentosa 10 (autosomal dominant),IMP (inosine 5'-monophosphate) dehydrogenase 1	inosine monophosphate dehydrogenase 1
IMPDH2	NM_000884.2	IMP (inosine 5'-monophosphate) dehydrogenase 2	inosine monophosphate dehydrogenase 2
INS	NM_000207.2	IDDM2,IDDM1;insulin-dependent diabetes mellitus 2	insulin
INSR	NM_000208.2		insulin receptor
IRAK1	NM_001569.3		interleukin 1 receptor associated kinase 1
IRAK2	NM_001570.3		interleukin 1 receptor associated kinase 2
IRAK4	NM_016123.1		interleukin 1 receptor associated kinase 4
IRF1	NM_002198.1		interferon regulatory factor 1
IRF2	NM_002199.3		interferon regulatory factor 2
IRF3	NM_001571.5		interferon regulatory factor 3
IRF4	NM_002460.1	MUM1	interferon regulatory factor 4
IRF7	NM_001572.3		interferon regulatory factor 7
IRF9	NM_006084.4	ISGF3G;interferon-stimulated transcription factor 3, gamma (48kD),interferon-stimulated transcription factor 3, gamma 48kDa	interferon regulatory factor 9
ISG15	NM_005101.3	G1P2;interferon, alpha-inducible protein (clone IFI-15K)	ISG15 ubiquitin-like modifier
ISG20	NM_002201.5	interferon stimulated exonuclease gene 20kDa	interferon stimulated exonuclease gene 20
ITGA4	NM_000885.4	CD49D;integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	integrin subunit alpha 4

ITGA5	NM_002205.2	FNRA;integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	integrin subunit alpha 5
ITGAL	NM_002209.2	CD11A;integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)	integrin subunit alpha L
ITGAM	NM_006632.3	CR3A,CD11B;integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide);integrin, alpha M (complement component 3 receptor 3 subunit)	integrin subunit alpha M
ITGAX	NM_000887.3	CD11C;integrin, alpha X (antigen CD11C (p150), alpha polypeptide);integrin, alpha X (complement component 3 receptor 4 subunit)	integrin subunit alpha X
ITGB2	NM_000211.2	CD18,MF17;integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit);integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	integrin subunit beta 2
ITGB7	NM_000889.1	integrin, beta 7	integrin subunit beta 7
ITK	NM_005546.3	IL2-inducible T-cell kinase,IL2 inducible T-cell kinase	IL2 inducible T cell kinase
ITPR3	NM_002224.2	inositol 1,4,5-trisphosphate receptor, type 3,inositol 1,4,5-trisphosphate receptor, type 3	inositol 1,4,5-trisphosphate receptor type 3
JAG1	NM_000214.2	AGS,JAGL1;Alagille syndrome	jagged 1
JAG2	NM_145159.1		jagged 2
JAK1	NM_002227.1	JAK1B	Janus kinase 1
JAK2	NM_004972.3		Janus kinase 2
JAK3	NM_000215.2		Janus kinase 3
JUN	NM_002228.3	v-jun avian sarcoma virus 17 oncogene homolog,jun oncogene	Jun proto-oncogene, AP-1 transcription factor subunit
KBTBD8	NM_032505.2	kelch repeat and BTB (POZ) domain containing 8	kelch repeat and BTB domain containing 8
KIF22	NM_007317.2	KNSL4;kinesin-like 4	kinesin family member 22
KIR3DL1/3	NM_014511.3	KIR;killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	killer cell immunoglobulin like receptor, three Ig domains and long cytoplasmic tail 1
KIR3DL2	NM_006737.2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	killer cell immunoglobulin like receptor, three Ig domains and long cytoplasmic tail 2
KIT	NM_000222.2	PST;peabod trait,v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	KIT proto-oncogene receptor tyrosine kinase
KLC1	NM_005852.4	KNS2;kinesin 2 60/70kDa;kinesin 2	kinesin light chain 1
KLRB1	NM_002258.2	NKR;killer cell lectin-like receptor subfamily B, member 1	killer cell lectin like receptor B1
KLRD1	NM_002262.3	CD94;killer cell lectin-like receptor subfamily D, member 1	killer cell lectin like receptor D1
KLRK1	NM_007360.3	D12S2489E;DNA segment on chromosome 12 (unique) 2489 expressed sequence,killer cell lectin-like receptor subfamily K, member 1	killer cell lectin like receptor K1
KMT2A	NM_005933.2	MLL;myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog),myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila),lysine (K)-specific methyltransferase 2A	lysine methyltransferase 2A
KRAS	NM_004985.3	KRAS2;v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene homolog,v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog,Kirsten rat sarcoma viral oncogene homolog	KRAS proto-oncogene, GTPase
LAG3	NM_002286.5	lymphocyte-activation gene 3	lymphocyte activating 3
LAT	NM_001014987.1		linker for activation of T cells
LBP	NM_004139.2	lipopolysaccharide-binding protein	lipopolysaccharide binding protein
LIF	NM_002309.3	leukemia inhibitory factor	LIF, interleukin 6 family cytokine
LILRB1	NM_001081637.1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1	leukocyte immunoglobulin like receptor B1
LIPN1	NM_145693.1		lipin 1
LRR1	NM_203467.1	PPIL5;peptidylprolyl isomerase (cyclophilin)-like 5	leucine rich repeat protein 1
LRRC41	NM_006369.4		leucine rich repeat containing 41
LTA	NM_000595.2	TNFB;lymphotoxin alpha (TNF superfamily, member 1)	lymphotoxin alpha
LTB	NM_002341.1	TNFC	lymphotoxin beta
LTBP1	NM_000627.3		latent transforming growth factor beta binding protein 1
LTF	NM_002343.2		lactotransferrin
LY96	NM_015364.2		lymphocyte antigen 96
LYN	NM_002350.3	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	LYN proto-oncogene, Src family tyrosine kinase
MAF	NM_005360.4	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog	MAF bZIP transcription factor
MAGED1	NM_006986.3	melanoma antigen family D1	MAGE family member D1
MALT1	NM_006785.2	MLT;mucosa associated lymphoid tissue lymphoma translocation gene 1	MALT1 paracaspase
MAML3	NM_018717.4	TNR3;trinucleotide repeat containing 3,mastermind-like 3 (Drosophila)	mastermind like transcriptional coactivator 3
MAN2B1	NM_001173498.1	MANB;mannosidase, alpha, class 2B, member 1	mannosidase alpha class 2B member 1
MAP2K1	NM_002755.2	PRKMK1	mitogen-activated protein kinase kinase 1
MAP3K14	NM_003954.1		mitogen-activated protein kinase kinase kinase 14
MAP3K7	NM_145333.1	TAK1	mitogen-activated protein kinase kinase kinase 7
MAP4K2	NM_004579.2	RAGBP	mitogen-activated protein kinase kinase kinase 2
MAPK11	NM_002751.6	PRKM11	mitogen-activated protein kinase 11
MAPK12	NM_002969.3	SAPK3	mitogen-activated protein kinase 12
MAPK14	NM_001315.2	CSPB1,CSPB1,CSPB2	mitogen-activated protein kinase 14
MAPK15	NM_139021.2		mitogen-activated protein kinase 15
MAPK3	NM_001040056.1	PRKM3	mitogen-activated protein kinase 3
MAPK7	NM_139033.1	PRKM7	mitogen-activated protein kinase 7
MAPKAPK3	NM_004635.3		mitogen-activated protein kinase-activated protein kinase 3
MBP	NM_002385.2		myelin basic protein
MCL1	NM_021960.3	myeloid cell leukemia sequence 1 (BCL2-related),myeloid cell leukemia 1 mouse double minute 2, human homolog of; p53-binding protein,Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse),Mdm2 p53 binding protein homolog (mouse),MDM2 proto-oncogene, E3 ubiquitin protein ligase	MCL1, BCL2 family apoptosis regulator
MDM2	NM_001145337.1		MDM2 proto-oncogene
MEF2A	NM_005587.2		myocyte enhancer factor 2A
MEFV	NM_000243.2	MEF;Mediterranean fever	MEFV, pyrin innate immunity regulator
MLL3	NM_004529.2	myeloid/lymphoid or mixed-lineage leukemia; translocated to, 3	MLL3, super elongation complex subunit
MMP3	NM_002422.3	STMY1,STMY;matrix metalloproteinase 3 (stromelysin 1, progelatinase),stromelysin 1	matrix metalloproteinase 3
MMP9	NM_004994.2	CLG4B;matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	matrix metalloproteinase 9
MPO	NM_000250.1		myeloperoxidase
MPV17	NM_002437.4	MpV17 transgene, murine homolog, glomerulosclerosis	MPV17, mitochondrial inner membrane protein
MPZ	NM_000530.6	CMT1,CMT1B;Charcot-Marie-Tooth neuropathy 1B	myelin protein zero
MPZL1	NM_003953.4		myelin protein zero like 1
MSA1	NM_152866.2	CD20;membrane-spanning 4-domains, subfamily A, member 1	membrane spanning 4-domains A1
MSA2	NM_000139.3	FCER1B,IGER,APY;IgE responsiveness (atopic),membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide),membrane-spanning 4-domains, subfamily A, member 2	membrane spanning 4-domains A2
MSA4A	NM_024021.2	MSA4A;membrane-spanning 4-domains, subfamily A, member 4A	membrane spanning 4-domains A4A
MSN	NM_002444.2		moesin
MSRB2	NM_012228.3	MSRB;methionine sulfoxide reductase B	methionine sulfoxide reductase B2
MTMR14	NM_022485.3	C3orf29;chromosome 3 open reading frame 29	myotubularin related protein 14
MTMR3	NM_021090.3		myotubularin related protein 3
MTOR	NM_004958.3	FRAP,FRAP2,FRAP1;FK506 binding protein 12-rapamycin associated protein 1,mechanistic target of rapamycin (serine/threonine kinase),mechanistic target of rapamycin	mechanistic target of rapamycin kinase
MTR	NM_000254.2		S-methyltetrahydrofolate-homocysteine methyltransferase
MX1	NM_002462.2	myxovirus (influenza) resistance 1, homolog of murine (interferon-inducible protein p78),myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	MX dynam like GTPase 1
MYC	NM_002467.3	v-myc avian myelocytomatosis viral oncogene homolog	MYC proto-oncogene, bHLH transcription factor
MYD88	NM_002468.3	myeloid differentiation primary response gene (88)	myeloid differentiation primary response 88
MZB1	NM_016459.3	marginal zone B and B1 cell-specific protein	marginal zone B and B1 cell specific protein
NCAM1	NM_000615.5		neural cell adhesion molecule 1
NCR1	NM_004829.5	LY94;lymphocyte antigen 94 (mouse) homolog (activating NK-receptor; NK-p46)	natural cytotoxicity triggering receptor 1
NEO1	NM_002499.2	neogenin (chicken) homolog 1	neogenin 1
NF1	NM_000267.2		neurofibromin 1
NFATC1	NM_172389.1	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1,nuclear factor of activated T-cells 1	nuclear factor of activated T cells 1
NFATC2	NM_012340.3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2,nuclear factor of activated T-cells 2	nuclear factor of activated T cells 2
NFE2L1	NM_003204.2	TCF11;nuclear factor (erythroid-derived 2)-like 1,nuclear factor, erythroid 2-like 1	nuclear factor, erythroid 2 like 1
NFE2L2	NM_006164.3	nuclear factor (erythroid-derived 2)-like 2,nuclear factor, erythroid 2-like 2	nuclear factor, erythroid 2 like 2
NFKB1	NM_003998.2	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	nuclear factor kappa B subunit 1
NFKB2	NM_001077493.1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)	nuclear factor kappa B subunit 2
NFKBIA	NM_020529.1	NFKB1;nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	NFKB inhibitor alpha
NFKBIB	NM_002503.3	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	NFKB inhibitor beta
NFKBIE	NM_004556.2	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	NFKB inhibitor epsilon
NFKBIZ	NM_001005474.1	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	NFKB inhibitor zeta
NG7	NM_005601.3	natural killer cell group 7 sequence	natural killer cell granule protein 7
NKIRAS2	NM_001144927.1	NFKB inhibitor interacting Ras-like protein 2,NFKB inhibitor interacting Ras-like 2	NFKB inhibitor interacting Ras like 2
NLRP1	NM_033004.2	NALP1,SLEV1;NACHT, leucine rich repeat and PYD (pyrin domain) containing 1,systemic lupus erythematosus, vitiligo-related 1	NLR family pyrin domain containing 1

NLRP3	NM_001079821.2	C1orf7,C1AS1;cold autoinflammatory syndrome 1	NLR family pyrin domain containing 3
NOD1	NM_006092.2	CARD4;caspase recruitment domain family, member 4	nucleotide binding oligomerization domain containing 1
NOD2	NM_001293557.1	IBD1,CARD15;caspase recruitment domain family, member 15 TANI;Notch (Drosophila) homolog 1 (translocation-associated),Notch homolog 1, translocation-associated (Drosophila)	nucleotide binding oligomerization domain containing 2 notch 1
NOTCH1	NM_017617.3	Notch (Drosophila) homolog 2,Notch homolog 2 (Drosophila)	notch 2
NOTCH2	NM_024408.3	CADASIL;Notch (Drosophila) homolog 3,Notch homolog 3 (Drosophila)	notch 3
NPRL2	NM_006545.4	TUSC4;tumor suppressor candidate 4,nitrogen permease regulator-like 2 (S. cerevisiae)	NPRL2 like, GATOR1 complex subunit
NPR3	NM_001039476.2	C16orf35;chromosome 16 open reading frame 35,nitrogen permease regulator-like 3 (S. cerevisiae);NPR3-like, GATOR1 complex subunit	NPRL3 like, GATOR1 complex subunit
NFTL	NM_001161363.1	SDFR1;stromal cell derived factor receptor 1	neuropilin
NR4A2	NM_006186.3	NURR1;nuclear receptor subfamily 4, group A, member 2	nuclear receptor subfamily 4 group A member 2
NRAS	NM_002524.3	neuroblastoma RAS viral (v-ras) oncogene homolog,neuroblastoma RAS viral oncogene homolog	NRAS proto-oncogene, GTPase
NRBF2	NM_030759.3		nuclear receptor binding factor 2
NUDT1	NM_002452.3	MTH1;nudix (nucleoside diphosphate linked moiety X)-type motif 1	nudix hydrolase 1
OAS1	NM_001032409.1	OAS,2',5'-oligoadenylate synthetase 1 (40-46 kD),2'-5'-oligoadenylate synthetase 1, 40/46kDa	2'-5'-oligoadenylate synthetase 1
OAS2	NM_016817.2	2'-5'-oligoadenylate synthetase 2 (69-71 kD),2'-5'-oligoadenylate synthetase 2, 69/71kDa	2'-5'-oligoadenylate synthetase 2
OASL	NM_198213.1	2'-5'-oligoadenylate synthetase-like	2'-5'-oligoadenylate synthetase like
OCIA2	NM_152398.2		OCIA domain containing 2
ORAI1	NM_032790.3	TMEM142A;transmembrane protein 142A	ORAI calcium release-activated calcium modulator 1
OTULIN	NM_020205.3	ZA20D1;zinc finger, A20 domain containing 1,OTU domain containing 7B	OTU deubiquitinase 7B
OTUUB	NM_138348.5	FAM105B;family with sequence similarity 105, member B	OTU deubiquitinase with linear linkage specificity
P2RX4	NM_001256796.1	purinergic receptor P2X, ligand-gated ion channel, 4	purinergic receptor P2X 4
P2RX7	NM_002562.5	purinergic receptor P2X, ligand-gated ion channel, 7	purinergic receptor P2X 7
PADI2	NM_007365.2	peptidyl arginine deiminase, type II	peptidyl arginine deiminase 2
PADI4	NM_012387.2	PADI5;peptidyl arginine deiminase, type V,peptidyl arginine deiminase, type IV	peptidyl arginine deiminase 4
PANX1	NM_015368.3		pannexin 1
PAR3	NM_019619.2	par-3 (partitioning defective 3, C.elegans) homolog,par-3 partitioning defective 3 homolog (C. elegans)	par-3 family cell polarity regulator
PARK2	XR_001743443.1	PARK2;Parkinson disease (autosomal recessive, juvenile) 2, parkin,parkinson protein 2, E3 ubiquitin protein ligase (parkin)	parkin RBR E3 ubiquitin protein ligase
PARP1	NM_001618.3	PPOL,ADPRT;ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase),poly (ADP-ribose) polymerase family, member 1	poly(ADP-ribose) polymerase 1
PAX5	NM_016734.1	paired box gene 5 (B-cell lineage specific activator protein),paired box gene 5 (B-cell lineage specific activator)	paired box 5
PCGF2	NM_007144.2	ZNF144,RNF110;ring finger protein 110	polycomb group ring finger 2
PDCD1	NM_005018.2	SLEB2;systemic lupus erythematosus susceptibility 2	programmed cell death 1
PDCD1LG2	NM_025239.3		programmed cell death 1 ligand 2
PDPN	NM_006474.4		podoplanin
PF4V1	NM_002620.2		platelet factor 4 variant 1
PIK3CA	NM_006218.2	phosphoinositide-3-kinase, catalytic, alpha polypeptide,phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha
PIK3CD	NM_005026.3	phosphoinositide-3-kinase, catalytic, delta polypeptide,phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta
PIK3R2	NM_005027.2	phosphoinositide-3-kinase, regulatory subunit 2 (beta)	phosphoinositide-3-kinase regulatory subunit 2
PKM	NM_002654.4	PKM2;pyruvate kinase, muscle	pyruvate kinase M1/2
PLAUR	NM_001005376.2		plasminogen activator, urokinase receptor
PLCB1	NM_015192.3	phospholipase C, beta 1 (phosphoinositide-specific)	phospholipase C beta 1
PLCB2	NM_004573.2	phospholipase C, beta 2	phospholipase C beta 2
PLCG1	NM_002660.2	PLC1;phospholipase C, gamma 1 (formerly subtype 148),phospholipase C, gamma 1	phospholipase C gamma 1
PLCG2	NM_002661.2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	phospholipase C gamma 2
PLD3	NM_001031696.2	phospholipase D3,phospholipase D family, member 3	phospholipase D family member 3
PLEKH2	NM_001100623.1	pleckstrin homology domain containing, family B (evectins) member 2	pleckstrin homology domain containing B2
PLOC	NM_001284244.1		prepronociceptin
POLR1C	NM_004875.2	polymerase (RNA) I polypeptide C, 30kDa,RNA polymerase I subunit C	RNA polymerase I and III subunit C
POLR1D	NM_152705.2	polymerase (RNA) I polypeptide D, 16kDa,RNA polymerase I subunit D BNS1T;BNS1 (BHK21) Temperature sensitivity complementing,polymerase (RNA) III (DNA directed) polypeptide D, 44kDa	RNA polymerase I and III subunit D RNA polymerase III subunit D
POLR3B	NM_001722.2	directed) polypeptide D, 44kDa	RNA polymerase III subunit D
POLR3H	NM_138338.2	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	RNA polymerase III subunit H
POMC	NM_000939.2		proopiomelanocortin
POU2F2	NM_002698.2	OTF2;POU domain class 2, transcription factor 2	POU class 2 homeobox 2
PPARG	NM_005037.5	peroxisome proliferative activated receptor, gamma,peroxisome proliferator-activated receptor gamma	peroxisome proliferator activated receptor gamma
PPBP	NM_002704.2	THGB1	pro-platelet basic protein
PPP2R5D	NM_006245.2	protein phosphatase 2, regulatory subunit B (B56), delta isoform	protein phosphatase 2 regulatory subunit B'delta
PRDM1	NM_182907.1	BLIMP1;PR domain containing 1, with ZNF domain,PR domain 1	PR/SET domain 1
PRDX2	NM_181738.1	TDPX1	periredoxin 2
PRF1	NM_005041.3	perforin 1 (pore forming protein)	perforin 1
PRKCD	NM_006254.3	protein kinase C, delta	protein kinase C delta
PRKCQ	NM_006257.2	protein kinase C, theta	protein kinase C theta
PRKDC	NM_006904.6	HYRC;HYRC1	protein kinase, DNA-activated, catalytic polypeptide
PRMT5	NM_006109.3	HRMT1L5,SKB1;skb1 (S. pombe) homolog,SKB1 homolog (S. pombe)	protein arginine methyltransferase 5
PROS1	NM_000313.1	PRO5;protein 5 (alpha)	protein 5
PSIP1	NM_021144.3	PSIP2;PC4 and SFRS1 interacting protein 2	PC4 and SFRS1 interacting protein 1
PSMB10	NM_002801.3	MECL1;proteasome (prosome, macropain) subunit, beta type, 10	proteasome subunit beta 10
PSMB8	NM_004159.4	LMP7;proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7),large multifunctional peptidase 7,proteasome (prosome, macropain) subunit, beta type, 8	proteasome subunit beta 8
PSMB9		LMP2;proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2),large multifunctional peptidase 2,proteasome (prosome, macropain) subunit, beta type, 9	proteasome subunit beta 9
PSTPIP1	NM_001321135.1		proline-serine-threonine phosphatase interacting protein 1
PTEN	NM_000314.6	B2S,MHAM	phosphatase and tensin homolog
PTGER4	NM_000958.2	prostaglandin E receptor 4 (subtype EP4)	prostaglandin E receptor 4
PTGS2	NM_000963.1	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	prostaglandin-endoperoxide synthase 2
PTK2	NM_005607.4	PTK2 protein tyrosine kinase 2	protein tyrosine kinase 2
PTK2B	NM_004103.3	FAK2;FAK2	protein tyrosine kinase 2 beta
PTPN11	NM_002834.3	NS1;Noonan syndrome 1	protein tyrosine phosphatase, non-receptor type 11
PTPN18	NM_014369.3	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	protein tyrosine phosphatase, non-receptor type 18
PTPN22	NM_012411.5	PTPN8;protein tyrosine phosphatase, non-receptor type 8,protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	protein tyrosine phosphatase, non-receptor type 22
PTPN6	NM_002831.5		protein tyrosine phosphatase, non-receptor type 6
PTPRC	NM_080911.2	CD45	protein tyrosine phosphatase, receptor type C
PVR	NM_006505.3	PVS	poliovirus receptor
PYCARD	NM_013258.3		PYD and CARD domain containing
RAC1	NM_198829.1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	Rac family small GTPase 1
RAG2	NM_000536.3	recombination activating gene 2	recombination activating 2
RAP1A	NM_001010935.1		RAP1A, member of RAS oncogene family
RARRES3	NM_004585.3	retinoic acid receptor responder (tazarotene induced) 3	retinoic acid receptor responder 3
RASSF5	NM_182663.2	Ras association (RalGDS/AF-6) domain family member 5	Ras association domain family member 5
RB1	NM_000321.1	OSR;osteosarcoma,retinoblastoma 1	RB transcriptional corepressor 1
RBPJ	NM_015874.3	IGKIRB1,RBPSUH;recombining binding protein suppressor of hairless (Drosophila)	recombination signal binding protein for immunoglobulin kappa J region
RELA	NM_021975.2	NFKB3;nuclear factor of kappa light polypeptide gene enhancer in B-cells 3,v-rel avian reticuloendotheliosis viral oncogene homolog A	RELA proto-oncogene, NF-kB subunit
RELB	NM_006509.3	v-rel avian reticuloendotheliosis viral oncogene homolog B (nuclear factor of kappa light polypeptide gene enhancer in B-cells 3)	RELB proto-oncogene, NF-kB subunit
RHOA	NM_001664.2	ARH12,ARHA;ras homolog gene family, member A	ras homolog family member A
RIPK1	NM_003804.3	receptor (TNFRSF)-interacting serine-threonine kinase 1	receptor interacting serine/threonine kinase 1
RIPK2	NM_003821.5	receptor-interacting serine-threonine kinase 2	receptor interacting serine/threonine kinase 2
RIPK3	NM_006871.3	receptor-interacting serine-threonine kinase 3	receptor interacting serine/threonine kinase 3
RNASEH2A	NM_006397.2	ribonuclease H2, large subunit,Alcaldi-Goutieres syndrome 4,ribonuclease H2, subunit A	ribonuclease H2 subunit A
RNF126	NM_194460.2		ring finger protein 126
ROCK1	NM_005406.1		Rho associated coiled-coil containing protein kinase 1
ROCK2	NM_004850.3		Rho associated coiled-coil containing protein kinase 2
RORA	NM_134261.2	RAR-related orphan receptor A	RAR related orphan receptor A
RORC	NM_001001523.1	RAR-related orphan receptor C	RAR related orphan receptor C
RPS6KA5	NM_182398.1	ribosomal protein S6 kinase, 90kD, polypeptide 5	ribosomal protein S6 kinase A5
RRAS2	NM_001102669.2	related RAS viral (r-ras) oncogene homolog 2	RRAS related 2

RSAD2	NM_080657.4		radical S-adenosyl methionine domain containing 2	
S100A12	NM_005621.1	S100 calcium-binding protein A12 (calgranulin C),S100 calcium binding protein A12 (calgranulin C)	S100 calcium binding protein A12	
S100A7	NM_002963.3	PSOR1;S100 calcium-binding protein A7 (psoriasin 1),S100 calcium binding protein A7 (psoriasin 1)	S100 calcium binding protein A7	S100A7A (NM_176823)
S100A8	NM_002964.3	CAGA,CFAG;S100 calcium-binding protein A8 (calgranulin A),S100 calcium binding protein A8 (calgranulin A)	S100 calcium binding protein A8	
S100A9	NM_002965.2	CAGB,CFAG;S100 calcium-binding protein A9 (calgranulin B),S100 calcium binding protein A9 (calgranulin B)	S100 calcium binding protein A9	
S100B	NM_006272.2	S100 calcium binding protein, beta (neural)	S100 calcium binding protein B	
S1PR1	NM_001400.3	EDG1;endothelial differentiation, sphingolipid G-protein-coupled receptor, 1	sphingosine-1-phosphate receptor 1	
S1PR4	NM_003775.2	EDG6;endothelial differentiation, G-protein-coupled receptor 6,endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 6	sphingosine-1-phosphate receptor 4	
S1PR5	NM_030760.3	EDG8;endothelial differentiation, sphingolipid G-protein-coupled receptor, 8	sphingosine-1-phosphate receptor 5	
SAR1B	NM_01033503.2	SARA2;SAR1a gene homolog (S. cerevisiae) 2,SAR1a gene homolog 2 (S. cerevisiae),SAR1 homolog B (S. cerevisiae),secretion associated, Ras related GTPase 1B	secretion associated Ras related GTPase 1B	
SBN02	NM_014963.2	KIAA0963;KIAA0963, strawberry notch homolog 2 (Drosophila)	strawberry notch homolog 2	
SDC1	NM_002997.4	SDC	syndecan 1	
SELE	NM_004050.2	ELAM1,ELAM;endothelial adhesion molecule 1	selectin E	
SELENBP1	NM_003944.2		selenium binding protein 1	
SELL	NR_029467.1	LYAM1,LNHR;lymphocyte adhesion molecule 1	selectin L	
SERPINA1	NM_000295.4	PI;serine (or cysteine) protease inhibitor, clade A (alpha-1 antiprotease, antitrypsin), member 1,serpin peptidase inhibitor, clade A (alpha-1 antiprotease, antitrypsin), member 1	serpin family A member 1	
SERPINF2	NM_000934.3	PI;serine (or cysteine) protease inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2,serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2	serpin family F member 2	
SERPING1	NM_000062.2	C1NH;serine (or cysteine) protease inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary),serpin peptidase inhibitor, clade G (C1 inhibitor), member 1	serpin family G member 1	
SGK1	NM_005627.2	SGK;serum/glucocorticoid regulated kinase	serum/glucocorticoid regulated kinase 1	
SH2D1A	NM_002351.4	IMD5,LYP;lymphoproliferative syndrome,SH2 domain protein 1A	SH2 domain containing 1A	
SIGIRR	NM_021805.2	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	single Ig and TIR domain containing	
SIGLEC1	NM_023068.3	SN;sialoadhesin,sialic acid binding Ig-like lectin 1, sialoadhesin	sialic acid binding Ig like lectin 1	
SIGLEC5	NM_003830.2	CD33L2;sialic acid binding Ig-like lectin 5	sialic acid binding Ig like lectin 5	
SIPA1	NM_006747.2		signal-induced proliferation-associated 1	
SIRT1	NM_012238.4	sirtuin (silent mating type information regulation 2, S. cerevisiae, homolog) 1,sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae)	sirtuin 1	
SKIL	NM_005414.2	SKI-like oncogene	SKI like proto-oncogene	
SKP1	NM_170679.2	SKP1A;S-phase kinase-associated protein 1A (p19A)	S-phase kinase associated protein 1	
SLAMF6	NM_001184714.1		SLAM family member 6	
SLAMF7	NM_021181.4		SLAM family member 7	
SLC3A2	NM_001012662.2	MDU1;solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2,solute carrier family 3 (amino acid transporter heavy chain), member 2	solute carrier family 3 member 2	
SLC7A5	NM_003486.5	solute carrier family 7 (amino acid transporter light chain, L system), member 5	solute carrier family 7 member 5	
SMAD2	NM_005901.5	MADH2;MAD, mothers against decapentaplegic homolog 2 (Drosophila),SMAD, mothers against DPP homolog 2 (Drosophila)	SMAD family member 2	
SMAD3	NM_005902.3	MADH3;MAD, mothers against decapentaplegic homolog 3 (Drosophila),SMAD, mothers against DPP homolog 3 (Drosophila)	SMAD family member 3	
SMAD4	NM_005359.3	MADH4;MAD, mothers against decapentaplegic homolog 4 (Drosophila),SMAD, mothers against DPP homolog 4 (Drosophila)	SMAD family member 4	
SMAD5	NM_005903.5	MADH5;MAD, mothers against decapentaplegic homolog 5 (Drosophila),SMAD, mothers against DPP homolog 5 (Drosophila)	SMAD family member 5	
SMARCA4	NM_003072.3	SNF2L4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	
SMN1	NM_000344.3	SMA@SMA;spinal muscular atrophy (Werdnig-Hoffmann disease, Kugelberg-Welander disease)	survival of motor neuron 1, telomeric	SMN2 (NM_022876;NM_017411;NM_022877)
SNCA	NM_000345.2	PARK1,PARK4;Parkinson disease (autosomal dominant, Lewy body) 4,synuclein, alpha (non A4 component of amyloid precursor)	synuclein alpha	
SOC1	NM_003745.1		suppressor of cytokine signaling 1	
SOC3	NM_003955.3		suppressor of cytokine signaling 3	
SOC5	NM_014011.4		suppressor of cytokine signaling 5	
SOD1	NM_000454.4	ALS,ALS1;amyotrophic lateral sclerosis 1 (adult),superoxide dismutase 1, soluble	superoxide dismutase 1	
SP100	NM_003113.3	nuclear antigen Sp100	SP100 nuclear antigen	
SP3	NM_003111.3		Sp3 transcription factor	
SP1	NM_003120.1	spleen focus forming virus (SFFV) proviral integration oncogene	Spi-1 proto-oncogene	
SPB	NM_003121.3	Spi-B transcription factor (Spi-1/PU.1 related)	Spi-B transcription factor	
SPPL2B	NM_001077238.1		signal peptide peptidase like 2B	
SPTAN1	NM_003127.2		spectrin alpha, non-erythrocytic 1	
SQSTM1	NM_003900.3	PDB3,OSIL;Paget disease of bone 3,oxidative stress induced like	sequestosome 1	
SRC	NM_005417.3	SRC1;v-src avian sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog	SRC proto-oncogene, non-receptor tyrosine kinase	
STAT1	NM_007315.3	signal transducer and activator of transcription 1, 91kDa	signal transducer and activator of transcription 1	
STAT2	NM_005419.3	signal transducer and activator of transcription 2, 113kDa	signal transducer and activator of transcription 2	
STAT3	NM_003150.3	signal transducer and activator of transcription 3 (acute-phase response factor)	signal transducer and activator of transcription 3	
STAT4	NM_003151.2		signal transducer and activator of transcription 4	
STAT5A	NM_003152.3	STAT5	signal transducer and activator of transcription 5A	
STAT5B	NM_012448.3		signal transducer and activator of transcription 5B	
STAT6	NM_003153.3	signal transducer and activator of transcription 6, interleukin-4 induced	signal transducer and activator of transcription 6	
STK11	NM_000455.4	serine/threonine kinase 11 (Peutz-Jeghers syndrome)	serine/threonine kinase 11	
STK26	NM_016542.3		serine/threonine kinase 26	
STRADB	NM_001206864.1	ALS2CR2;amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2	STE20-related kinase adaptor beta	
SYK	NM_003177.5	spleen tyrosine kinase	spleen associated tyrosine kinase	
TAB1	NM_153497.2	MAP3K7IP1;mitogen-activated protein kinase kinase kinase 7 interacting protein 1,TGF-beta activated kinase 1/MAP3K7 binding protein 1	TGF-beta activated kinase 1 (MAP3K7) binding protein 1	
TAB2	NM_015093.3	MAP3K7IP2;mitogen-activated protein kinase kinase kinase 7 interacting protein 2,TGF-beta activated kinase 1/MAP3K7 binding protein 2	TGF-beta activated kinase 1 (MAP3K7) binding protein 2	sub-maximal transcript coverage due to non-overlapping transcripts
TAB3	NM_152787.4	MAP3K7IP3;mitogen-activated protein kinase kinase kinase 7 interacting protein 3,TGF-beta activated kinase 1/MAP3K7 binding protein 3	TGF-beta activated kinase 1 (MAP3K7) binding protein 3	
TAL1	NM_003189.2	TCL5;T-cell acute lymphocytic leukemia 1	TAL bHLH transcription factor 1, erythroid differentiation factor	
TANK	NM_004180.2	TRAF2;TRAF family member-associated NFKB activator	TRAF family member associated NFKB activator	
TAPBP	NM_003190.4	TAP binding protein (tapasin)	TAP binding protein	
TATDN1	NM_032026.3		TatD DNase domain containing 1	
TAX1BP1	NM_006024.4	Tax1 (human T-cell leukemia virus type I) binding protein 1	Tax1 binding protein 1	
TBK1	NM_013254.2	TANK-binding kinase 1	TANK binding kinase 1	
TBX21	NM_013351.1		T-box 21	
TCF4	NM_003199.1		transcription factor 4	
TCF7L2	NM_001146274.1	TCF4;transcription factor 7-like 2 (T-cell specific, HMG-box)	transcription factor 7 like 2	
TCIRG1	NM_006053.2	T-cell, immune regulator 1,T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 subunit a isoform 3,T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 subunit a3	T cell immune regulator 1, ATPase H+ transporting V0 subunit a3	
TCL1A	NR_049726.1	T-cell leukemia/lymphoma 1A	T cell leukemia/lymphoma 1A	
TEK	NM_000459.3	VMCN;venous malformations, multiple cutaneous and mucosal,TEK tyrosine kinase, endothelial	TEK receptor tyrosine kinase	
TELO2	NM_016111.3	TEL2, telomere maintenance 2, homolog (S. cerevisiae)	telomere maintenance 2	
TG	NM_003235.4		thyroglobulin	
TGFB	NM_000660.4	TGFB,DPD1;transforming growth factor, beta 1	transforming growth factor beta 1	
TGFB3	NM_003239.2	ARVD1,ARVD;arrhythmic right ventricular dysplasia 1,transforming growth factor, beta 3	transforming growth factor beta 3	
TGFBRI	NM_004612.2	MFSE,ES1;multiple self-healing squamous epithelioma,transforming growth factor beta receptor 1	transforming growth factor beta receptor 1	
TGFBRII	NM_001024847.1	MFS2;transforming growth factor, beta receptor II (70/80kDa),transforming growth factor beta receptor II	transforming growth factor beta receptor 2	
THBD	NM_000361.2		thrombospondin 1	
THBS1	NM_003246.2		thrombospondin 1	
TICAM1	NM_014261.1	toll-like receptor adaptor molecule 1	toll like receptor adaptor molecule 1	
TIGIT	NM_173799.2	VSIG9,VSTM3,VSIG9, VSTM3	T cell immunoreceptor with Ig and ITIM domains	
TIRAP	NM_148910.2	Toll-interleukin 1 receptor (TIR) domain-containing adaptor protein	TIR domain containing adaptor protein	
TLR2	NM_003264.3	toll-like receptor 2	toll like receptor 2	
TLR4	NM_138554.2	toll-like receptor 4	toll like receptor 4	

TLR5	NM_003268.5	SLEB1;systemic lupus erythematosus susceptibility 1,toll-like receptor 5	toll like receptor 5
TLR7	NM_016562.3	toll-like receptor 7	toll like receptor 7
TLR9	NM_017442.2	toll-like receptor 9	toll like receptor 9
TMEM173	NM_198282.1		transmembrane protein 173
TMEM176A	NM_018487.2		transmembrane protein 176A
TNF	NM_000594.2	TNFA;tumor necrosis factor (TNF superfamily, member 2)	tumor necrosis factor
TNFAIP3	NM_006290.2	tumor necrosis factor, alpha-induced protein 3	TNF alpha induced protein 3
TNFRSF10A	NM_003844.2	tumor necrosis factor receptor superfamily, member 10a	TNF receptor superfamily member 10a
TNFRSF10B	NM_003842.3	tumor necrosis factor receptor superfamily, member 10b	TNF receptor superfamily member 10b
		PDB2,LOH18C1;tumor necrosis factor receptor superfamily, member 11a, activator of NFKB, Paget disease of bone 2,loss of heterozygosity 18, chromosomal region 1,tumor necrosis factor receptor superfamily, member 11a, NFKB activator	
TNFRSF11A	NM_003839.3		TNF receptor superfamily member 11a
TNFRSF13B	NM_012452.2	tumor necrosis factor receptor superfamily, member 13B	TNF receptor superfamily member 13B
TNFRSF13C	NM_025245.3	tumor necrosis factor receptor superfamily, member 13C	TNF receptor superfamily member 13C
		tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator),tumor necrosis factor receptor superfamily, member 14	
TNFRSF14	NM_003820.3		TNF receptor superfamily member 14
TNFRSF17	NM_001192.2	BCMA;tumor necrosis factor receptor superfamily, member 17	TNF receptor superfamily member 17
TNFRSF1A	NM_001065.2	TNFR1;tumor necrosis factor receptor superfamily, member 1A	TNF receptor superfamily member 1A
TNFRSF1B	NM_001066.2	TNFR2;tumor necrosis factor receptor superfamily, member 1B	TNF receptor superfamily member 1B
TNFRSF4	NM_003327.3	TXGP1;tumor necrosis factor receptor superfamily, member 4	TNF receptor superfamily member 4
TNFRSF9	NM_001561.4	ILA;tumor necrosis factor receptor superfamily, member 9	TNF receptor superfamily member 9
TNFSF10	NM_003810.2	tumor necrosis factor (ligand) superfamily, member 10	TNF superfamily member 10
TNFSF11	NM_003701.2	tumor necrosis factor (ligand) superfamily, member 11	TNF superfamily member 11
TNFSF13	NM_003808.3	tumor necrosis factor (ligand) superfamily, member 13	TNF superfamily member 13
TNFSF13B	NM_001145645.2	TNFSF20;tumor necrosis factor (ligand) superfamily, member 13b	TNF superfamily member 13b
		TNFSF1;tax-transcriptionally activated glycoprotein 1, 34kD,tumor necrosis factor (ligand) superfamily, member 4	
TNFSF4	NM_003326.2		TNF superfamily member 4
TNS1	NM_022648.4	TNS,MXRA6;tensin,matrix-remodelling associated 6	tensin 1
TOLLIP	NM_019009.2		toll interacting protein
TP53	NM_000546.2		tumor protein p53
TP53INP2	NM_021202.1	C20orf110;chromosome 20 open reading frame 110	tumor protein p53 inducible nuclear protein 2
TPO	NM_175719.3		thyroid peroxidase
TPSAB1/B2	NM_003294.3	TPSAB1,TPS2;tryptase beta 1	tryptase alpha/beta 1
TRADD	NM_003789.2	TNFRSF1A-associated via death domain	TNFRSF1A associated via death domain
TRAF1	NM_005658.3		TNF receptor associated factor 1
TRAF2	NM_021138.3		TNF receptor associated factor 2
TRAF3	NM_145725.2		TNF receptor associated factor 3
TRAF5	NM_001033910.2		TNF receptor associated factor 5
TRAF6	NM_145803.2	TNF receptor-associated factor 6, E3 ubiquitin protein ligase	TNF receptor associated factor 6
TRAT1	NM_016388.2	TCRIM;TCRIM	T cell receptor associated transmembrane adaptor 1
TREM1	NM_001242589.1		triggering receptor expressed on myeloid cells 1
TREM1	NM_016381.1	AGS1,Alcardi-Goutieres syndrome 1	three prime repair exonuclease 1
TRIM14	NM_014788.2	tripartite motif-containing 14	tripartite motif containing 14
		SSA1;Sjogren syndrome antigen A1 (52kDa, ribonucleoprotein autoantigen SS-A/Ro),tripartite motif containing 21	
TRIM21	NM_003141.3		tripartite motif containing 21
		ZNF147;zinc finger protein 147 (estrogen-responsive finger protein),tripartite motif-containing 25	
TRIM25	NM_005082.4		tripartite motif containing 25
TRIM26	NM_001242783.1	ZNF173;tripartite motif-containing 26	tripartite motif containing 26
TRIM35	NM_171982.3	tripartite motif-containing 35	tripartite motif containing 35
TRIM68	NM_018073.6	RNF137;ring finger protein 137,tripartite motif-containing 68	tripartite motif containing 68
TRIM8	NM_030912.2	RNF27;ring finger protein 27,tripartite motif-containing 8	tripartite motif containing 8
		SSA2;Sjogren syndrome antigen A2 (60kDa, ribonucleoprotein autoantigen SS-A/Ro),TROVE domain family, member 2	
TROVE2	NM_001042370.1		TROVE domain family member 2
TSC2	NM_000548.3	TSC4;tuberous sclerosis 2	TSC complex subunit 2
TXN	NM_003329.2		thioredoxin
TXNIP	NM_006472.3		thioredoxin interacting protein
TYK2	NM_003331.4		tyrosine kinase 2
TYROBP	NM_003332.3	PLOSL	TYRO protein tyrosine kinase binding protein
UBA52	NM_003333.3		ubiquitin A-S2 residue ribosomal protein fusion product 1
UBE2L3	NM_008436.2	ubiquitin-conjugating enzyme E2L3	UBE2L5 (NM_001355247)
UBE2L6	NM_004223.3	ubiquitin-conjugating enzyme E2L6	ubiquitin conjugating enzyme E2L6
UBE2S	NM_014501.2	ubiquitin-conjugating enzyme E2S	ubiquitin conjugating enzyme E2S
UNC93B1	NM_030930.2	unc93 (C. elegans) homolog B1,unc-93 homolog B1 (C. elegans)	unc-93 homolog B1, TLR signaling regulator
USP21	NM_012475.4	USP23;ubiquitin specific protease 21	ubiquitin specific peptidase 21
VAMP2	NM_014232.2	SVB2;synaptobrevin 2	vesicle associated membrane protein 2
VAV1	NM_005428.2	VAV;vav 1 oncogene,vav 1 guanine nucleotide exchange factor	vav guanine nucleotide exchange factor 1
VCAM1	NM_001078.3		vascular cell adhesion molecule 1
VCL	NM_014000.2		vinculin
VWF	NM_000552.3	F8VWF	von Willebrand factor
WNT10B	NM_003394.3	wingless-type MMTV integration site family, member 10B	Wnt family member 10B
XBP1	NM_005080.2	XBP2	X-box binding protein 1
		LTN,SCYC1;small inducible cytokine subfamily C, member 1 (lymphotactin),chemokine (C motif) ligand 1	
XCL1/2	NM_003175.3		X-C motif chemokine ligand 1
XIAP	NM_001167.3	API3,BIRC4;baculoviral IAP repeat-containing 4,X-linked inhibitor of apoptosis, E3 ubiquitin protein ligase	X-linked inhibitor of apoptosis
		G22P1;thyroid autoantigen 70kD (Ku antigen),thyroid autoantigen 70kDa (Ku antigen),X-ray repair complementing defective repair in Chinese hamster cells 6	
XRCC6	NM_001469.3		X-ray repair cross complementing 6
YY1	NM_003403.3		YY1 transcription factor
ZAP70	NM_001079.3	SRK;SRK	zeta chain of T cell receptor associated protein kinase 70
ZBP1	NM_001160419.2	C20orf183;chromosome 20 open reading frame 183	Z-DNA binding protein 1
ZDHHC2	NM_016353.4		zinc finger DHHC-type containing 2
ZNF385A	NM_001130967.1	ZNF385;zinc finger protein 385	zinc finger protein 385A
Internal Reference Genes			
ABCF1	NM_001090.2	ABCF5;ATP-binding cassette, sub-family F (GCN20), member 1	ATP binding cassette subfamily F member 1
BABAM1	NM_014173.3	C19orf62;chromosome 19 open reading frame 62	BRIS1 and BRCA1 A complex member 1
CYC1	NM_001916.4		cytochrome c1
G6PD	NM_000402.4		glucose-6-phosphate dehydrogenase
GUSB	NM_000181.3	glucuronidase, beta	glucuronidase beta
HPRT	NM_000194.1	HPRT	hypoxanthine phosphoribosyltransferase 1
MRP57	NM_015971.3		mitochondrial ribosomal protein 57
NMT1	NM_021079.3		N-mristoyltransferase 1
NRDE2	NM_017970.3	C14orf102;chromosome 14 open reading frame 102	NRDE-2, necessary for RNA interference, domain containing
OAZ1	NM_004152.2	OAZ	ornithine decarboxylase antizyme 1
PGK1	NM_000291.2		phosphoglycerate kinase 1
POLR2A	NM_000937.2	POLR2;polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	RNA polymerase II subunit A
PPIA	NM_021130.2		peptidylprolyl isomerase A
RPL4	NM_000968.2		ribosomal protein L4
		SDH2;succinate dehydrogenase complex, subunit A, flavoprotein (Fp),succinate dehydrogenase complex subunit A, flavoprotein (Fp)	
SDHA	NM_004168.3		succinate dehydrogenase complex flavoprotein subunit A
STK11IP	NM_052902.2		serine/threonine kinase 11 interacting protein
TBC1D10B	NM_015527.3	TBC1 domain family, member 10B	TBC1 domain family member 10B
TBP	NM_001172085.1	GTF2D1,SCA17	TATA-box binding protein
TUBB	NM_178014.2	tubulin, beta polypeptide,tubulin, beta,tubulin, beta class I	tubulin beta class I
UBB	NM_018955.3		ubiquitin B