

nCounter® Host Response Panel - Gene and Probe Details

Gene	Accession	Synonyms	Full Name	Other targets or Isoform Information
ACE	NM_00789.2	DCPLangiotensin I converting enzyme (peptidyl-dipeptidase A) 1;ACE1;CD143;peptidyl-dipeptidase A	angiotensin I converting enzyme	
ACKR2	NM_001296.5	CAMKRB2;chemokine binding protein 2;CCR10;G6;CCR9	atypical chemokine receptor 2	
ACKR3	NM_003111.1	CAMKR3;chemokine orphan receptor 1;chemokine (C-C motif) receptor 7;CD1CL1;PRG159	atypical chemokine receptor 3	
ACKR4	NM_015557.2	CCL1;chemokine (C-C motif) receptor-like 1;CCR11;CCBP2;VSNK1;CCX-CR;PPR1	atypical chemokine receptor 4	
ACXD1	NM_001183039.1	acyl-Coenzyme A oxidase 1, palmitoyl;acyl-CoA oxidase 1, palmitoyl;PALMCOX;palmitoyl-CoA oxidase	acyl-CoA oxidase 1	
ACSL1	NM_001995.4	acyl-Coenzyme A ligase, long-chain 2;LACS2;LACS, ACS1;LACS1;FACL1;acyl-CoA synthase, long-chain fatty-acyl-Coenzyme A ligase 1	acyl-CoA synthetase long chain family member 1	
ACSL3	NM_203372.1	FACL3;fatty-acyl-Coenzyme A ligase, long-chain 3;ACLS3;PRO2194	acyl-CoA synthetase long chain family member 3	
ACSL4	NM_004582.2	FACL4;MRXK3;MRXK8;fatty-acyl-Coenzyme A ligase, long-chain 4;mental retardation, X-linked G3;mental retardation, X-linked G3;ACSL4;acyl-CoA synthase, long-chain fatty-acyl-Coenzyme A ligase 4	acyl-CoA synthetase long chain family member 4	
ACVR1	NM_01105.2	ACVR1K2;activin A receptor, type I;SFR1;ALK2;ACVR1A	activin A receptor type 1	
ADAR	NM_01025107.1	IFI4;G1P1;interferon-induced protein 4;ADAR1	adenosine deaminase RNA specific	
ADGRE5	NM_079481.3	CD97;CD97 antigen;CD97 molecule1;TM7LN1;leukocyte antigen CD97;seven-span transmembrane protein,seven-transmembrane, heterodimeric;receptor associated with inflammation,seven transmembrane helix receptor	adhesion G protein-coupled receptor E5	
ADGRG3	NM_170776.5	GP997;G protein-coupled receptor 97;P699;PGR26	adhesion G protein-coupled receptor G3	
ADORA2A	NM_000675.5	ADORA2;AD2B	adenosine A2a receptor	
AGT	NM_000283.3	SERPINA5;serpin peptidase inhibitor, clade A, member B;alpha-1 antiprotease, antitrypsin	angiotensinogen	
AHR	NM_001621.4	bHLH476	aryl hydrocarbon receptor	
AIR	NM_012955.1	IRT-1;AIF-1;Emu;AIF1;2956.17;IBA1;Interferon gamma responsive transcript,ionized calcium-binding adapter molecule 1	allograft inflammatory factor 1	
AIM2	NM_004833.1	PHYH4	absent in melanoma 2	
ART1	NM_001014432.1	v-akt murine thymoma viral oncogene homolog 1;RAC_PKB;PRKBA;AKT;RAC-alpha;protein kinase B	alpha kinase 1	
AKT2	NM_001626.4	v-akt murine thymoma viral oncogene homolog 2;PRK8	AKT serine/threonine kinase 2	
AKT3	NM_005465.4	v-akt murine thymoma viral oncogene homolog 3;PKB;BAG;RAC-gamma;PRK8;protein kinase B, gamma	AKT serine/threonine kinase 3	
ALOX12	NM_000979.2	arachidonate 12-lipoxygenase;12S-LOX;arachidonate 12-lipoxygenase, 12S-type	arachidonate 12-lipoxygenase, 12S type	
ALOX15	NM_001440.3	15-LOX-1	arachidonate 15-lipoxygenase	
ALOX5	NM_000698.2	5-LOX	arachidonate 5-lipoxygenase	
ALOX5AP	NM_001629.2	arachidonate 5-lipoxygenase-activating protein;FLAP;five-lipoxygenase activating protein;MK-886-binding protein	arachidonate 5-lipoxygenase activating protein	
ALPK3	NM_005848.2	PKA;PRKKA;protein kinase alpha kinase	alpha kinase 3	
ALPL	NM_000478.4	HO;alkaline phosphatase, liver/bone/kidney;TNALP;TNALP;TNALP;tissue non-specific alkaline phosphatase	alkaline phosphatase, biomimeticization associated	
ANPEP	NM_001150.2	CD13;PEPN;alanyl (membrane) aminopeptidase;LAP1;gp150;aminopeptidase M;microsomal aminopeptidase,membrane alanyl aminopeptidase	alanyl aminopeptidase, membrane	
AP1G1	NM_01030007.1	CLAPC1;ADG;adaptor-related protein complex 1, gamma 1 subunit;adaptor related protein complex 1, gamma 1 subunit;gamma1-adaptin	adaptor related protein complex 1 subunit gamma 1	
AP1M1	NM_01130524.1	adaptor-related protein complex 1, mu 1 subunit;adaptor related protein complex 1, mu 1 subunit;AP47;CLAPM2	adaptor related protein complex 1 subunit mu 1	
AP1S2	NM_003916.4	NRX3;NRX3-AS1;mental retardation, X-linked S9;mental retardation, X-linked, syndromic S;Pettigrew X-linked mental retardation syndrome;adaptor related protein complex 1, sigma 2 subunit;SIGMA1B	adaptor related protein complex 1 subunit sigma 2	
APBB1P	NM_019043.3	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein;NAGL;RIIAM;Rap1-GTP-interacting adaptor molecule	amyloid beta precursor protein binding family B member 1 interacting protein	
APBX1	NM_016412.1	APF;APX nuclease (multifunctional DNA repair enzyme);APFX nuclease (multifunctional DNA repair enzyme)	apurinic/aprimidinic endonuclease 1	
APBCE3G	NM_015822.2	1-APE;REF1;HAP1;APK;APEN;REF-1;APE-1	apolipoprotein B mRNA editing enzyme catalytic subunit 3G	
APOL6	NM_003641.3	APOL-V;APOL-VII	apolipoprotein B	
APP	NM_000484.3	AD1;Alzheimer disease, amyloid beta (A4) precursor protein;peptidase nexin-II	amyloid beta precursor protein	
ARRB2	NM_001257328.1	ARR2;arrestin, beta 2;BAARR2;DKFZp6861365;arrestin 3	arrestin beta 2	
ATF2	NM_001256991.1	CREB2;CREB-binding protein element binding protein 2;TFEB2;CREB-IP;HBB5	activating transcription factor 2	
ATF4	NM_001675.2	867	activating transcription factor 4	
ATF6	NM_007348.2	ATF6A;activating transcription factor 6 alpha	activating transcription factor 6	
ATG10	NM_001131028.1	APG10;APG10 autophagy 10-like (S. cerevisiae);ATG10 autophagy related 10 homolog (S. cerevisiae);DKFZP5860418;FLJ13954	autophagy related 10	
ATG12	NM_004070.3	APG12;Appt12 (autophagy 12, S. cerevisiae)-like;APG12 autophagy 12-like (S. cerevisiae);ATG12 autophagy related 12 homolog (S. cerevisiae);APAG12;APG12 autophagy 12-like	autophagy related 12	
ATG13	NM_00142473.1	KIAA052;KIAA052;ATG13 autophagy related 13 homolog (S. cerevisiae)	autophagy related 13	
ATG3	NM_002488.3	APG3;APG3 autophagy 3-like (S. cerevisiae);ATG3 autophagy related 3 homolog (S. cerevisiae);PC3-	autophagy related 3	
ATGA	NM_052936.5	96;FLJ12325;MGCS20;DKFZp564M178	autophagy related 4A	
ATG4	NM_00136031.2	AUTL1;APG4;AUT-like 2;v-act endopeptidase (S. cerevisiae);APG4 autophagy 4 homolog A (S. cerevisiae);ATG4 autophagy related 4 homolog A (S. cerevisiae);autophagy related 4A, cysteine peptidase	autophagy related 4A cysteine peptidase	
ATG7	NM_001136031.2	APG7;APG7 autophagy 7-like (S. cerevisiae);ATG7 autophagy related 7 homolog (S. cerevisiae);GSA7;DKFZp434N0735;ubiquitin-activating enzyme E1-like protein	autophagy related 7	
ATM	NM_000051.3	ATA;ATCA;ATC;AT;ataxia telangiectasia mutated (includes complementation groups A, C, and D);ataxia telangiectasia mutated;TE11;TEL01;TEL1, telomere maintenance 1, homolog (S. cerevisiae)	ATM serine/threonine kinase	
ATP6A2	NM_005765.2	ATP6P2;ATPase, H+ transporting, lysosomal interacting protein 2;ATPase, H+ transporting, lysosomal accessory protein 2;MB-9;ATP6B;9-A;ATP6W;9-P;PRR;REH;protein receptor;zeinin receptor	ATPase H+ transporting accessory protein 2	
ATP6V1D1	NM_004691.4	ATP6;ATPase, H+ transporting, lysosomal (vacuolar proton pump), member D;ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d1;ATPase, H+ transporting, lysosomal 38kDa, V0 subunit D1;ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d1;ATP6D;VATX;VPATD;P39;Vms6	ATPase H+ transporting V0 subunit d1	
ATP6V1B2	NM_001693.3	VPPATB;ATPase, H+ transporting, lysosomal (vacuolar proton pump), beta polypeptide, 56/58kD, isoform 2;ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2;ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2;VATB;Vms2;HOS7	ATPase H+ transporting V1 subunit B2	
BATF	NM_006399.3	basic leucine zipper transcription factor, ATF-like;B-ATF;SFA-2;BATF1;activating transcription factor B5;HT-activated gene 2	basic leucine zipper ATF-like transcription factor	
BCL2	NM_000572.2	B-cell CLL/lymphoma 2;BCL2, apoptosis regulator;Bcl-2;PPP1R5D;protein phosphatase 1, regulatory subunit 5D	BCL2 apoptosis regulator	
BCL2L1	NM_001191.3	BCL2L;BCL-XL;bxl-xL;bxL-xS;PPP1R52;protein phosphatase 1, regulatory subunit 52	BCL2 like 1	
BCL3	NM_005782.2	D19S27;BCL3;B cell CLL/lymphoma 3;BCL3, transcription coactivator;B-cell leukemia/lymphoma 3;chronic lymphocytic leukemia protein 3	BCL3 transcription coactivator	
BCL6	NM_001134738.1	ZNF51;zinc finger protein 51;B cell CLL/lymphoma 6;BCL6, transcription repressor;ZBTB7;LA23;BCL5;BCL6A	BCL6 transcription repressor	
BCR	NM_004927.3	D22S11;BR1;breakpoint cluster region;BCR, RhoGEF and GTPase activating protein;D22S662;CML;PIL-ALL	BCR activator of RhoGEF and GTPase	
BDKRB1	NM_000710.3	BR1;BRK;bradykinin receptor 1	bradykinin receptor B1	
BDKRB2	NM_000623.3	BR-2	bradykinin receptor B2	
BECN1	NM_003766.4	beclin 1 (golgi-coil, meosin-like BCL2 interacting protein);beclin 1, autophagy related;ATG6;VPS30;ATG6 autophagy related 6 homolog (S. cerevisiae)	beclin 1	
BLK	NM_001715.2	B lymphoid tyrosine kinase;MGCI042	BLK proto-oncogene, Src family tyrosine kinase	
BMP3	NM_004052.2	BCL2;adenovirus E1B 19kDa interacting protein 3;Nip3;nineteen kD interacting protein-3	BCL2 interacting protein 3	
BPI	NM_001725.2	bactericidal/permeability-increasing protein;BPIFD1;BPI fold containing family D, member 1	bactericidal permeability increasing protein	
BST2	NM_004335.3	CD311;7etherin	bone marrow stromal cell antigen 2	
CIQBP	NM_001212.3	HABP1;complement component 1, subcomponent binding protein;CIQ-1;gC1qR;g2;SF2p32;C1q globular domain-binding protein;hyaluronan-binding protein 1,splicing factor SF2-associated protein	complement C1q binding protein	
C2	NM_000063.5	complement component 2	complement C2	
C3	NM_000064.2	complement component 3;CPAMD1;LRMD3;C3a;C3b;C3a anaphylatoxin;complement component C3a;complement component C3b;prepro-C3	complement C3	
C3AR1	NM_004054.2	complement component 3a receptor 1;C3AR;A23B	complement C3a receptor 1	
C5	NM_001735.2	complement component 5;CPAMD4;C5a;C5b;prepro-C5;C5a anaphylatoxin	complement C5	
CSAR1	NM_001736.3	CS1;complement component 5 receptor 1 (C5a ligand);complement component 5a receptor 1;CSA;CSAR;CDB8	complement C5a receptor 1	
CALM1	NM_006882.4	CALM2;calmodulin 1 (phosphorylase kinase, delta);CALM;PHKD;D132;prepro-calmodulin 1,phosphorylase kinase subunit delta	calmodulin 1	
CAP1	NM_01105530.1	CAP, adenylate cyclase-associated protein 1 (yeast);adenylate cyclase associated protein 1;CAP	cyclase associated actin cytoskeleton regulatory protein 1	
CARD11	NM_032415.2	caspace recruitment domain family, member 11;CARD11;BIMF3;card-mauk protein 1;bcl10-interacting mauk protein 3	caspace recruitment domain family member 11	
CARD16	NM_001017534.1	caspace recruitment domain family, member 16;COP1;COP_PSEUDO-ICE	caspace recruitment domain family member 16	
CARD17	NM_001007332.1	caspace recruitment domain family, member 17;INCA;inhibitory CARD	caspace recruitment domain family member 17	
CASP1	NM_001294.3	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, interleukin 1, beta, convertase	caspace 1	
CASP10	NM_00129624.1	CASP10;caspace 10, apoptosis-related cysteine protease;caspace 10, apoptosis-related cysteine peptidase;MCH4	caspace 10	
CASP3	NM_004346.3	caspace 3, apoptosis-related cysteine protease;caspace 3, apoptosis-related cysteine peptidase;CPP32;CPP32B;Yama;apoptain	caspace 3	
CASP4	NM_001225.3	CASP4;caspace 4, apoptosis-related cysteine protease;caspace 4, apoptosis-related cysteine peptidase;ICIEBHJ;ICH-2;TX	caspace 4	
CASP5	NM_004347.1	caspace 5, apoptosis-related cysteine protease;caspace 5, apoptosis-related cysteine peptidase;ICEHII	caspace 5	
CASP8	NM_001080124.1	caspace 8, apoptosis-related cysteine protease;caspace 8, apoptosis-related cysteine peptidase;MCH5;MACH;FLICE;Casp-8	caspace 8	
CBFB	NM_001755.2	core-binding factor, beta subunit;core-binding factor beta runt-related protein 2;PBFB	core-binding factor subunit beta	
CBL	NM_005188.3	Cbl proto-oncogene BCL2	Cbl proto-oncogene	
CBL8	NM_170662.3	CaS-B;B-M (murine) ectopic retroviral transforming sequence b,Cas-B;B-M (murine) ectopic retroviral transforming sequence b,Cbl proto-oncogene B, E3 ubiquitin protein ligase;RNF55;Cbl-8	Cbl proto-oncogene B	
CC11	NM_002981.2	309;TCA3;PS50;5e;inflammatory cytokine 1;309;T lymphocyte-secreted protein 1;309	C-C motif chemokine ligand 1	
CC111	NM_002986.2	SCY11;small inducible cytokine subfamily A (Cys-Cys), member 11 (retaxin);chemokine (C-C motif) ligand 11	C-C motif chemokine ligand 11	
CC13	NM_005408.2	SCY13;small inducible cytokine subfamily A (Cys-Cys), member 13;chemokine (C-C motif) ligand 13;MCP-4;NCC-	C-C motif chemokine ligand 13	
CC14	NM_012963.4	SCY14;small inducible cytokine subfamily A (Cys-Cys), member 14;chemokine (C-C motif) ligand 14;HCC-1;HCC-3;NCC-2;SCY12;CXCL1;MCFE	C-C motif chemokine ligand 14	
CC15	NM_012965.6	SCY15;small inducible cytokine subfamily A (Cys-Cys), member 15;chemokine (C-C motif) ligand 15;HCC-2;NCC-3;SCY13;MIP-5;Lkn-13;MIP-5;IL-13;beta chemokine exodus 2;secondary lymphoid tissue chemokine;Efficient Chemotactant for Lymphocytes	C-C motif chemokine ligand 15	
CC16	NM_004590.3	SCY16;small inducible cytokine subfamily A (Cys-Cys), member 16;chemokine (C-C motif) ligand 16;NCC-4;SCY14;LCC;HCC-4;LMC1;CC-1;CXCL12;Min-1	C-C motif chemokine ligand 16	
CC17	NM_002987.2	SCY17;small inducible cytokine subfamily A (Cys-Cys), member 17;chemokine (C-C motif) ligand 17;TARC;ABC-2	C-C motif chemokine ligand 17	
CC18	NM_002988.3	SCY18;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;DC-CX1;PARC;AMAC-1;DCCX1;MIP-4;Cxk;6;pulmonary and activation-regulated	C-C motif chemokine ligand 18	
CC19	NM_006274.2	SCY19;small inducible cytokine subfamily A (Cys-Cys), member 19;chemokine (C-C motif) ligand 19;ELC;MIP-3b;exodus-3;Ckb11;CC chemokine ligand 19;macrophage inflammatory protein 3-beta;beta beta chemokine exodus 3;CX beta11;EBI1-binding chemokine	C-C motif chemokine ligand 19	
CC2	NM_002982.3	SCY2;small inducible cytokine subfamily A (Cys-Cys), member 2;chemokine (C-C motif) ligand 2;MCP-1;monocyte chemoattractant protein 1;monocyte chemoattractant protein 1, monocyte secretory protein;JE;small inducible cytokine subfamily A (Cys-Cys), member 2	C-C motif chemokine ligand 2	
CC20	NM_01130046.1	SCY20;small inducible cytokine subfamily A (Cys-Cys), member 20;chemokine (C-C motif) ligand 20;LARC;MIP-3a;exodus-1;5T8;CXk4	C-C motif chemokine ligand 20	
CC21	NM_002989.2	SCY21;small inducible cytokine subfamily A (Cys-Cys), member 21;chemokine (C-C motif) ligand 21;5L;CXkodus-2;1;CXk4;CXk3;CXk1;beta chemokine exodus 1;Efficient Chemotactant for Lymphocytes	C-C motif chemokine ligand 21	
CC22	NM_002990.4	SCY22;small inducible cytokine subfamily A (Cys-Cys), member 22;chemokine (C-C motif) ligand 22;MDC;STC-1;ABCD-1;ABC'D/B-C;KA-15ZS;1;MG34554	C-C motif chemokine ligand 22	
CC23	NM_005064.3	SCY23;small inducible cytokine subfamily A (Cys-Cys), member 23;chemokine (C-C motif) ligand 23;Ckb-8;MIP-1;MIP-3;CXk8	C-C motif chemokine ligand 23	
CC24	NM_002991.2	SCY24;small inducible cytokine subfamily A (Cys-Cys), member 24;chemokine (C-C motif) ligand 24;Ckb-6;MIPF-2;retaxin-2;MIPF2;Ck-beta-6;myeloid progenitor inhibitory factor 2;retaxin-2	C-C motif chemokine ligand 24	

			SCYA25;small inducible cytokine subfamily A (Cys-Cys), member 25;chemokine (C-C motif) ligand 25;TECK;Osb15;Ck beta-15;thymus expressed chemokine;TECKar		C-C motif chemokine ligand 25
CC125	NM_00562.4		SCY5A;small inducible cytokine subfamily A (Cys-Cys), member 26;chemokine (C-C motif) ligand 26;MIP-4;alpha;actin-3;IMAC;MIP-4;TSC-1;macrophage inflammatory protein 4-alpha;small inducible cytokine A26;CC chemokine IMAC;chemokine N1;thymic stroma chemokine-1;actin-3		C-C motif chemokine ligand 26
CC126	NM_006072.4		SCYA27;small inducible cytokine subfamily A (Cys-Cys), member 27;chemokine (C-C motif) ligand 27;ALP;ILC1;CTACK;skin;Etkin;PESKY;CTACK;CC chemokine IL;IL-11;Alpha-locus chemokine;cutaneous T-cell attracting chemokine chemokine (C-C motif) ligand 28;SCYA28;MEC;CXCL1;CC chemokine CCL28;mucosa-associated epidermal small inducible cytokine subfamily A (Cys-Cys), member 28;small inducible cytokine A28		C-C motif chemokine ligand 28
CC127	NM_00666.4		SCYA27;small inducible cytokine subfamily A (Cys-Cys), member 27;chemokine (C-C motif) ligand 27		C-C motif chemokine ligand 27
CC128	NM_148672.2		SCYA27;small inducible cytokine subfamily A (Cys-Cys), member 27;chemokine (C-C motif) ligand 27		C-C motif chemokine ligand 28
CC13/L1/L3	NM_002983.3		SCYA3;small inducible cytokine A3 (homologous to mouse Mip-1a);chemokine (C-C motif) ligand 3;G0519;LD187BHPA;MIP-1-alpha		C-C motif chemokine ligand 3
CC14/L1/L2	NM_002984.2		LAG1;SCYA4;small inducible cytokine A4 (homologous to mouse Mip-1b);chemokine (C-C motif) ligand 4;MIP-1-beta;Act-2;AT744.1		C-C motif chemokine ligand 4
CC15	NM_002985.2		D175186;SCYAS;small inducible cytokine A5 (RANTES);chemokine (C-C motif) ligand 5;RANTES;Sf64;TCP228;MGC17164;T-cell specific protein p288;T-cell specific RANTES protein;Sf64;regulated upon activation, normally T-expressed, and presumably secreted;beta chemokine RANTES;small inducible cytokine subfamily A (Cys-Cys), member 5		C-C motif chemokine ligand 5
CC17	NM_006273.2		SCYA6;small inducible cytokine A6 (monocyte chemoattractant protein 3);chemokine (C-C motif) ligand 7;MCP-3;MCP-3;small inducible cytokine subfamily A (Cys-Cys), member 8 (monocyte chemoattractant protein 3);chemokine (C-C motif) ligand 8;MCP-2;HCL4		C-C motif chemokine ligand 7
CC18	NM_00562.3		MCP-2;HCL4		C-C motif chemokine ligand 8
CCNC	NM_005190.3		CycC		cyclin C
CCR1	NM_001295.2		SCYAR1;CXCR1;chemokine (C-C motif) receptor 1;CCR-1;MIP1AR;CD191		C-C motif chemokine receptor 1
CCR2	NM_005602.2		GR2;G-protein-coupled receptor 2;chemokine (C-C motif) receptor 10		C-C motif chemokine receptor 10
CCR2	NM_01123041.2		CMKBR2;chemokine (C-C motif) receptor 2;CC-CR-2;CCR2;MCP-1;R;CD192;FU78302		C-C motif chemokine receptor 2
CCR3	NM_001837.2		CMKBR3;chemokine (C-C motif) receptor 3;CC-CR-3;CCR3;CD193		C-C motif chemokine receptor 3
CCR4	NM_00508.4		chemokine (C-C motif) receptor 4;CC-CR-4;CMKBR4;CXCR4;5;chemokine 1;CD194		C-C motif chemokine receptor 4
CCRC	NM_00579.3		CMKRS;chemokine (C-C motif) receptor 5;chemokine (C-C motif) receptor 5 (gene/pseudogene);C-C motif chemokine receptor 5 (gene/pseudogene);CCR-5;CC-CR-5;CCR5;CD195;ID02M2		C-C motif chemokine receptor 5
CCRC	NM_031409.3		STR12;2;chemokine (C-C motif) receptor 6;CCR-L3;GPR-CY4;CMV896;GPR29;DRY-6;DCR2;BN-1;CD196		C-C motif chemokine receptor 6
CCR7	NM_001838.3		CMKBR7;EBI;chemokine (C-C motif) receptor 7;CCR7;Cdrj9;CD207		C-C motif chemokine receptor 7
CCR8	NM_005201.2		CMKBR8;CXCR8;chemokine (C-C motif) receptor 8;CY6;TLR1;CCR-L1;GPR-CY6;Cdr198		C-C motif chemokine receptor 8
CCR9	NM_031200.1		GRP28;chemokine (C-C motif) receptor 9;GPR-9;6;Cdr199		C-C motif chemokine receptor 9
CCR12	NM_00113920.1		chemokine (C-C motif) receptor like 2;CCR;CRAM-8;CCR;CRAM-A;ACKR5;atypical chemokine receptor 5		C-C motif chemokine receptor like 2
CD4	NM_000991.2		CD163 antigen;M130;MM130;ScaRI1		CD163 molecule
CD9	NM_00178098.1		CD19 antigen		CD19 molecule
CD1E	NM_001042531.2		CD1E antigen, e polypeptide;CD1e antigen		CD1e molecule
CD2	NM_001767.3		CD2 antigen (p50), sheep red blood cell receptor		CD2 molecule
CD209	NM_001144899.1		CD209 antigen;DC-SIGN;CD59;CD-SIGN1;L1;L1C4;L4		CD209 molecule
CD22	NM_001771.2		CD22 antigen;SIGLEC-2;SIGLEC-2;sialic acid binding II-like lectin 2		CD22 molecule
CD244	NM_001166661.1		natural killer cell receptor 2B4;CD244;natural killer cell receptor 2B4;CD244 molecule, natural killer cell receptor 2B4;2B4;NAIL;NKR2B4;Nenk1;SLAMF4		CD244 molecule
CD247	NM_158053.2		CD32;CD3e antigen, zeta polypeptide (IT13 complex);CD247 antigen;CD3e;CD3e T-cell surface glycoprotein CD3 zeta chain		CD247 molecule
CD27	NM_001242.4		THRF57;tumor necrosis factor receptor superfamily, member 7;S152;T955		CD27 molecule
CD274	NM_014443.3		PNCR11;G;programmed cell death 1 ligand 1;CD274 antigen;B7-H1;PD-L1;PDL1;B7-H1;B7 homolog 1		CD274 molecule
CD276	NM_01024736.1		CD276 antigen;B7-H3;B7H3;B7RP-2		CD276 molecule
CD28	NM_001243077.1		CD28 antigen (CD28);T-cell-specific surface glycoprotein		CD28 molecule
CD36	NM_001001548.2		CD36 antigen (colлаген type I receptor, thrombospondin receptor);CD36 molecule (thrombospondin receptor);SCAR8;GPV;FAT;GP4;GP3B		CD36 molecule
CD38	NM_001775.2		CD38 antigen (4S)ADP-ribosyl cyclase 1;NAADc) nucleosidase		CD38 molecule
CD39	NM_000732.4		CD39 antigen;delta polypeptide (IT13 complex);CD3e molecule, delta (CD3-TCR complex)		CD39 molecule
CD3E	NM_000733.3		CD3e antigen, epsilon polypeptide (IT13 complex);CD3e molecule, epsilon (CD3-TCR complex)		CD3e molecule
CD3G	NM_000732.2		CD3g antigen, gamma polypeptide (IT13 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		THRF55;tumor necrosis factor receptor superfamily, member 5;CD40 molecule, TNF receptor superfamily member 5;p50;Ba50		CD40 molecule
			HGM1;M3D;TNFSF5;tumor necrosis factor (ligand) superfamily, member 5 (hyper-IgM syndrome);TRAF;TNFR;CD40L;CD40L antigen ligand;tumor necrosis factor (ligand) superfamily member 5;T-B cell-activating molecule;TNF-related activation protein;hyper-IgM syndrome		CD40 ligand
CD40LG	NM_00074.2				CD40 ligand
CD44	NM_00101392.1		MC4;MDU2;MDU3;CD44 antigen (homing function and Indian blood group system);ML;M1;CD44;XCELL;CD44;CSF6B;hematopoietic cell E- and L-selectin ligand;chondroitin sulfate proteoglycan 8		CD44 molecule (Indian blood group)
CD45R1	NM_080921.3		HCP;HCPh;PTP-1C;SH-1.5HP1		protein tyrosine phosphatase receptor type C
CD45RA	NM_002838.4		HCP;HCPh;PTP-1C;SH-1.5HP1		protein tyrosine phosphatase receptor type C
CD45RB	ENST00000367367.1		HCP;HCPh;PTP-1C;SH-1.5HP1		protein tyrosine phosphatase receptor type C
			MC1;M1;ML;MSK1;MIN2;MIN3;CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, E16, E130, E132 and G344);CD59 antigen, complement regulatory protein, CD59 molecule, complement regulatory protein, CD59 molecule;16.3A5;E16;E130;E132;G344;p18-20		CD59 molecule (CD59 blood group)
CD59	NM_00112727.1				CD59 molecule (CD59 blood group)
CD68	NM_001254751.1		CD68 antigen;SCARD1;macrosialin;GP110;DKFz68M18236;LAMP4;scavenger receptor class D, member 1;CD68 antigen;macrophage antigen;CD68		CD68 molecule
CD69	NM_001781.1		CD69 antigen (p60), early T-cell activation antigen;CLEC2C		CD69 molecule
CD70	NM_001252.2		CD70 antigen;TNF57;tumor necrosis factor (ligand) superfamily, member 7;CD70L		CD70 molecule
CD79A	NM_001783.3		IGA;CD79A antigen (immunoglobulin-associated alpha);CD79a molecule, immunoglobulin-associated alpha;MB-1;B-cell antigen receptor complex-associated protein alpha chain		CD79a molecule
CD79B	NM_001039933.1		IGA;CD79B antigen (immunoglobulin-associated beta);CD79b molecule, immunoglobulin-associated beta;B29;B-cell antigen receptor complex-associated protein beta chain		CD79b molecule
CD80	NM_005191.3		CD28LG;CD28G1;CD80 antigen (CD28 antigen ligand 1, B7-1 antigen);CD80 molecule;B7-1;B7-1;B-lymphocyte activation antigen B7-1;B7-1;CD28LG		CD80 molecule
CD81	NM_00355.3		CD81 antigen (leukocyte antigen);CD81 antigen;antibody 11;T49-1;159AN2B		CD81 molecule
CD84	NM_00184879.1		CD84 antigen (leukocyte antigen);CD84 molecule;SLAMF5;CD84;CD84		CD84 molecule
CD86	NM_175862.4		CD28LG;CD86 antigen (CD28 antigen ligand 2, B7-2 antigen);B7-2;B-lymphocyte antigen B7-2		CD86 molecule
CD8A	NM_001768.6		CD8;CD8 antigen, alpha polypeptide (p21);T-cell surface glycoprotein CD8 alpha chain		CD8a molecule
CD8B	NM_172090.2		CD8;CD8 antigen, beta polypeptide (p13)		CD8b molecule
CDH1	NM_004360.2		UVO;cadherin 1, type 1, E-cadherin (epithelial);uvomorulin;CD324-E-cadherin		cadherin 1
CDK4	NM_000075.3		PsK-13		cyclin dependent kinase 4
CEACAM3	NM_001815.3		CGM1;carcinoembryonic antigen-related cell adhesion molecule 3;carcinoembryonic antigen related cell adhesion molecule 3;CD66		CEA cell adhesion molecule 3
CEBPB	NM_005194.2		TCFS;CCAAT/enhancer binding protein (C/EBP);beta;CCAAT/enhancer binding protein beta;LAP;CRP2;NFI6;IL6DBP;C/EBP-beta;liver-enriched transcriptional activator protein;nuclear factor of interleukin 6;interleukin 6-dependent DNA-binding protein		CCAAT enhancer binding protein beta
CFLAR	NM_001127183.1		CASP8AP1;CASP8 and FADD-like apoptosis regulator;CASH;Casper;CLARP;FLAME;FLIP-J;FLICE;MIRIT-1;FLIP;c-FLIP;FLIP		CASP8 and FADD like apoptosis regulator
CGAS	NM_138441.2		CGT0150;MB;D11;chromosome 5 open reading frame 150;Mab-21 domain containing 1		cyclic GMP-AMP synthase
CHUK	NM_001320928.1		TCF3L;conserved helix-loop helix ubiquitous kinase;IKK-alpha;IKBA;NFKBIA;IKK-alpha;inhibitor of nuclear factor kappa-B kinase subunit alpha;I-kappa-B kinase		component of inhibitor of nuclear factor kappa B kinase complex
CIITA	NM_001870.2		carboxypeptidase A3 (mast cell);mast cell carboxypeptidase A;A tissue carboxypeptidase A		carboxypeptidase A3
CR1	NM_000573.3		complement component (3b/4b) receptor 1 (knops blood group system);complement component (3b/4b) receptor 1 (Knops blood group);complement component 3b/4b receptor 1 (knops blood group);CD35;KN		complement C3b/i4b receptor 1 (Knops blood group)
CREBBP	NM_004380.2		RST5;Rubinstein-Tavbi syndrome;RTS;CBP;KAT3A		CREB binding protein
CRK	NM_006823.4		v-crk avian sarcoma virus CT330 oncogene homolog		CRK proto-oncogene, adaptor protein
CRP	NM_00567.2		C-reactive protein, pentraxin-related protein 1;pentraxin 1		C-reactive protein
CSF1R	NM_000757.4		colony stimulating factor 1 (macrophage);M-CSF;MCSF;MG131930;macrophage colony stimulating factor 1		colony stimulating factor 1
CSF2	NM_005211.3		FMS;McDonough feline sarcoma viral (v-fms) oncogene homolog;c-FMS;CSFR;CD115		colony stimulating factor 1 receptor
CSF2	NM_000758.3		colony stimulating factor 2 (granulocyte-macrophage);GM-CSF;GMCSF;sargramostim;molgramostim;granulocyte-macrophage colony stimulating factor		colony stimulating factor 2
CSF2RA	NM_006140.3		CSF2R;colony stimulating factor 2 receptor, alpha, low affinity (granulocyte-macrophage);CD116;alphaGMR;alpha-GM-CSF receptor 1;9L303;colony stimulating factor 2 receptor, beta, low affinity (granulocyte-macrophage);colony stimulating factor 2 receptor beta		colony stimulating factor 2 receptor subunit alpha
CSF2RB	NM_000395.2		common subunit;SL5B;CD131;beta;GM-CSF;beta common cytokine receptor, beta-GM-CSF receptor		colony stimulating factor 2 receptor subunit beta
CSF3	NM_000759.3		GCSF;G-CSF;C17orf33;chromosome 17 open reading frame 33;colony stimulating factor 3 (granulocyte);MGC45931;granulocyte colony stimulating factor;pluripotent;fibrinogen;macrogastin		colony stimulating factor 3
CSF3R	NM_000760.3		CD111;colony stimulating factor 3 receptor (granulocyte);GCSFR		colony stimulating factor 3 receptor
CTLA4	NM_005214.3		CLIA1;CD1021;cellular disease 3;insulin-dependent diabetes mellitus 12;CD152;CD;GSE;CTLA-4		cytotoxic T-lymphocyte associated protein 4
CTSA	NM_001127695.1		GSL;PP6B;protective protein for beta-galactosidase (galactosialidosis);carboxypeptidase G2;lysosomal protective protein;carboxypeptidase A;carboxypeptidase Y-like kinase;deamidase;lysosomal carboxypeptidase A;urinary kinase		cathepsin A
CTSG	NM_001911.2		CG		cathepsin G
CTSL	NM_001912.4		CTSL;cathepsin L1;FLJ1037		cathepsin L
CTSS	NM_000079.3				cathepsin S
CTSW	NM_001335.3		cathepsin W (lymphopain)		cathepsin W
CTSD	NM_001336.3		CTSx;cathepsin X;carboxypeptidase L8;cathepsin IV;cathepsin B2;cathepsin Y;cathepsin Z1;cyteine-type carboxypeptidase;lysosomal carboxypeptidase B		cathepsin 2
CLIL1	NM_003592.2		cubilin 1		cubilin 1
CCXCL1	NM_002996.4		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
CCXCL1	NM_001337.3		1/NTRN;CX3kine;ABCD-3;CX3C;CX3C-fractalkine;neurotactin		C-X3-C motif chemokine receptor 1
CCXCL1	NM_001511.3		GR13;CMKBR11;chemokine (C-X3-C) receptor 1;chemokine (C-X3-C motif) receptor 1;CMKDR11;VDR;CCR11		C-X3-C motif chemokine receptor 1
CXCL1	NM_001511.3		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);SCYB1;GROa;MGSA-A;NAP-3;melanoma growth stimulating activity, alpha		C-X-C motif chemokine ligand 1
CXCL10	NM_001565.3		HPIS1;SCYB10;small inducible cytokine subfamily B (Cys-X-Cys), member 10;chemokine (C-X-C motif) ligand 10;IP10;IP-10;rog-2;mgp-1;CT;IP-10		C-X-C motif chemokine ligand 10
CXCL11	NM_005409.4		SCYB9;SCYB11;small inducible cytokine subfamily B (Cys-X-Cys), member 11;chemokine (C-X-C motif) ligand 11;H174b-RL1;TAC;JP-9		C-X-C motif chemokine ligand 11
CXCL12	NM_199168.3		SDF1A;SDF1B;SDF1;stromal cell-derived factor 1;chemokine (C-X-C motif) ligand 12;SCYB12;SDF-1A;SDF-1B;PBSF;TFSF-A;TFSF-B;TPAR1		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;BL;B6A-1;BLK;1;ANG;ANG12;2;cell chemoattractant		C-X-C motif chemokine ligand 13
CXCL14	NM_004887.4		SCYB14;small inducible cytokine subfamily B (Cys-X-Cys), member 14 (BRAK);chemokine (C-X-C motif) ligand 14;BRAK;NIAC;bolekine Kcc;MIP-2b;MIP2;K51;brest and kidney		C-X-C motif chemokine ligand 14
CXCL16	NM_00110081.1		chemokine (C-X-C motif) ligand 16;SR;SPDXX;CXCL16;SRPDX;CXK chemokine ligand 16		C-X-C motif chemokine ligand 16
CXCL17	NM_198477.3		chemokine (C-X-C motif) ligand 17;CD59;LINCX17;LINCX1		C-X-C motif chemokine ligand 17
CXCL2	NM_002089.4		GRO2;GRO2 oncogene;chemokine (C-X-C motif) ligand 2;SCYB2;GROb;MIP-2a;MGSA-B;CINC-2a		C-X-C motif chemokine ligand 2
CXCL3	NM_002090.2		GRO3;GRO3 oncogene;chemokine (C-X-C motif) ligand 3;SCYB3;GROc;MIP-2b;CINC-2b		C-X-C motif chemokine ligand 3
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;ENA-78		C-X-C motif chemokine ligand 5
CXCL6	NM_002993.3		SCYB6;small inducible cytokine subfamily B (Cys-X-Cys), member 6 (granulocyte chemoattractant 2);chemokine (C-X-C motif) ligand 6 (granulocyte chemoattractant protein 2);chemokine (C-X-C motif) ligand 6;GCP-2;CKA-3;granulocyte chemoattractant protein 2		C-X-C motif chemokine ligand 6

IFIT2	NM_001547.4	IFISA,G10P2;interferon-induced protein with tetratricopeptide repeats 2;IF154,GG-54K,cq42,GARG-39	interferon induced protein with tetratricopeptide repeats 2
IFIT3	NM_001013168.2	IFIT4;interferon-induced protein with tetratricopeptide repeats 4;interferon-induced protein with tetratricopeptide repeats 2;SGG-GC-CG-49;IF4;GARG-49;G2	interferon induced protein with tetratricopeptide repeats 3
IFITM1	NM_003641.3	IFIT1;interferon induced transmembrane protein 1 (9-27)-27,CD225,DSPA2;interferon-induced transmembrane protein 1,dispanin	interferon induced transmembrane protein 1
IFITM2	NM_005453.2	interferon induced transmembrane protein 2 (1-80)-1-80,DSPA2;dispanin subfamily A member 2c	interferon induced transmembrane protein 2
IFITM3	NM_002109.2	interferon induced transmembrane protein 3 (1-80)-1-80,DSPA2;dispanin subfamily A member 2b	interferon induced transmembrane protein 3
IFNA1/3	NM_006900.3	interferon, alpha 1;IFN- α 1	interferon alpha 1/3
IFNA3/16	NM_002173.2	interferon, alpha 16;IFN- α 16	interferon alpha 16/16
IFNA2	NM_005053.3	IFNA,IFN-alpha;alpha 2a interferon,interferon alpha 2b,interferon alpha A	interferon alpha 2
IFNA4/7/10/17/21	NM_021268.2	MGC442200;IFN-alpha4a	interferon alpha 4/7/10/17/21
IFNA5	NM_002169.2	interferon, alpha 5;IFN- α 5	interferon alpha 5
IFNA6	NM_021002.2	interferon, alpha 6;IFN- α 6	interferon alpha 6
IFNA8	NM_002170.3	interferon, alpha 8;IFN-alpha8;interferon alpha 8* ;interferon alpha type 201	interferon alpha 8
IFNAR1	NM_000629.2	IFNAR;interferon (alpha, beta and omega) receptor 1;IFRC	interferon alpha and beta receptor subunit 1
IFNAR2	NM_000874.3	IFNAR;interferon (alpha, beta and omega) receptor 2	interferon alpha and beta receptor subunit 2
IFNB1	NM_002162.2	IFNB;interferon, beta 1, fibroblast;IF- β	interferon gamma
IFNG	NM_000619.2	interferon, gamma 1, fibroblast;IF- γ	interferon gamma
IFNGR2	NM_005534.3	IFNG1;interferon gamma receptor 2 (interferon gamma transducer 1);AF-1	interferon gamma receptor 2
IFNK	NM_020124.2	interferon, kappa	interferon kappa
IFNL1	NM_172460.1	IL28;interleukin 28;interleukin 28 (interferon, lambda 1);IL-28	interleukin lambda 1
IFNL2/3	NM_172139.2	IL28B;interleukin 28B;interleukin 28B (interferon, lambda 3);IL-28B,IL28C	interleukin lambda 2/3
IFNL4	NM_00176254.2	IFNLN	interleukin lambda 4 (gene/pseudogene)
IFNL4A	NM_020218.2	IL28RA;interleukin 28 receptor, alpha;interleukin 28 receptor, alpha (interferon, lambda 3 receptor);interferon, lambda 3 receptor	interleukin lambda 4 receptor
IFNL4B	NM_020219.2	IL28RB;interleukin 28 receptor, beta	interleukin lambda 4 receptor
IFNL1R1	NM_170743.3	1;CRF1/2;IFN- λ 1,28R1	interferon lambda 1 receptor
IFNW1	NM_002177.1	IFN-omega 1, interferon omega-1	interferon omega 1
IGFBP7	NM_001553.1	insulin-like growth factor binding protein 7;MAG25,IGFBP-7,PSF,FS12	insulin like growth factor binding protein 7
IKKB	NM_001555.1	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta;IKK β ;NFKB1;IKK-beta;IKK β	inhibitor of nuclear factor kappa B kinase subunit gamma
IKKE	NM_00193321.1	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon;IKK ϵ ;IKK- ϵ ;IKKAD151	inhibitor of nuclear factor kappa B kinase subunit epsilon
IKZF1	NM_003639.2	IP2,P1;incontinens pigment;inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma;inhibitor of nuclear factor	inhibitor of nuclear factor kappa B kinase regulatory subunit gamma
IL10	NM_005072.2	IL10,IL-10;IL-10;cytokine synthesis inhibitory factor 1;cyt-growth-inhibitory factor	interleukin 10
IL10RA	NM_001558.2	IL10R;interleukin 10 receptor, alpha;HLI-10R,CDW210A,CD210A,CD210	interleukin 10 receptor subunit alpha
IL10RB	NM_000628.4	CRF8A,CD2155B,DD1566;interleukin 10 receptor, beta;CRF-4,CDW10B,IL-10R2	interleukin 10 receptor subunit beta
IL11	NM_000641.3	IL-11;ADP;adipogenesis inhibitory factor;oprelvekin	interleukin 11
IL11RA	NM_147162.1	interleukin 11 receptor, alpha	interleukin 11 receptor subunit alpha
IL12A	NM_000882.2	NKSF1;interleukin 12A (natural killer cell stimulatory factor 1, p35);CLMF,IL-12A,p35,NKS;natural killer cell stimulatory factor 1, 35 kd subunit;cytotoxic lymphocyte maturation factor 1, p35,interleukin 12, p35;C12, subunit p35;NF cell stimulatory factor chain 1;interleukin-12 alpha chain;IL35 subunit	interleukin 12A
IL12B	NM_002187.2	NKSF2;interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40);CLMF,IL-12B,NKSF,CLMF2;natural killer cell stimulatory factor 2,cytotoxic lymphocyte maturation factor 2, p40;interleukin 12, p40;natural killer cell stimulatory factor, 40 kd subunit;interleukin-12 beta chain;IL12, subunit p40	interleukin 12B
IL12RB1	NM_005531.1	IL12RB;interleukin 12 receptor, beta 1;CD232	interleukin 12 receptor subunit beta 1
IL12RB2	NM_001559.2	interleukin 12 receptor, beta 2	interleukin 12 receptor subunit beta 2
IL13	NM_002188.2	FS00,IL-13,ALPH,HRH1,MGC116795,MGC116789;MGC116789;allergic rhinitis,Bronchial hyperresponsiveness-1 (bronchial asthma)	interleukin 13
IL13RA1	NM_001560.2	interleukin 13 receptor, alpha 1;IL-13RA,NR4,CD213a1;IL13 receptor alpha 1 chain,CD213a1 antigen	interleukin 13 receptor subunit alpha 1
IL13RA2	NM_000640.2	interleukin 13 receptor, alpha 2;IL-13RA13BP,CD213a2,CT19;cancer/testis antigen 19	interleukin 13 receptor subunit alpha 2
IL15	NM_00585.4	IL-15,MGC9721	interleukin 15
IL15RA	NM_002189.3	interleukin 15 receptor, alpha;CD215;IL-15RA	interleukin 15 receptor subunit alpha
IL16	NM_004513.4	interleukin 16 (lymphocyte chemoattractant factor);ILCF,IL-16,prIL-16,Ht19289,FLI42735,FLJ5806;prointerleukin 16,lymphocyte chemoattractant factor	interleukin 16
IL17A	NM_002190.2	CTLA6,IL17;interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8);IL-17A,IL-17;cytotoxic T-lymphocyte-associated protein 8	interleukin 17A
IL17B	NM_014443.2	IL-17B,CYTO7,IL-20,MGC13800,MGC13801,NIRF;neural interleukin-17-related factor	interleukin 17B
IL17C	NM_013278.4	IL-17C,CXCL-21,MGC126884,MGC138401	interleukin 17C
IL17D	NM_138284.1	IL-17D,IL-17D;FJ102846;interleukin 27	interleukin 17D
IL17F	NM_052872.3	IL-17F,MIL-1,MLL1	interleukin 17F
IL17RA	NM_014339.6	IL17R;interleukin 17 receptor, alpha;HL-17R,IL17RA,CDW217,CD217	interleukin 17 receptor A
IL17RB	NM_008275.3	IL17RB;interleukin 17B receptor;IL17RLV,ILV7,CR44	interleukin 17 receptor B
IL17RC	NM_153461.2	IL17RC	interleukin 17 receptor C
IL17RD	NM_017563.5	SFJ17RM,FLJ5755,IL-17RD	interleukin 17 receptor D
IL17RE	NM_153483.1	FLJ23568	interleukin 17 receptor E
IL18	NM_001562.3	IL18;interleukin 18 (interferon-gamma-inducing factor);IGF,IL18,IL-18;interferon-gamma-inducing factor	interleukin 18
IL18BP	NM_00139659.1	IL18BP;MCS1L-531-541 homolg gene product	interleukin 18 binding protein
IL18R1	NM_003855.3	IL18RP,IL-18R,CD218a	interleukin 18 receptor 1
IL18RAP	NM_003853.3	APL,CD218b	interleukin 18 receptor accessory protein
IL19	NM_003371.3	IL-19;IL19A,ZMND1,IL-10C,MG1,metastoma differentiation associated protein-like protein	interleukin 19
IL1A	NM_000575.3	IL1A,IL1,IL-1A,IL-1,ALPHA;preinterleukin 1 alpha,hematopoietin-1 alpha	interleukin 1 alpha
IL1B	NM_000576.2	IL1F2,IL-1B,IL-1BETA	interleukin 1 beta
IL1F10	NM_021556.6	interleukin 1 family, member 10 (theta);FKSG75,IL-1H2,IL-1F10,IL-1-theta,MGC11983,MGC119832,MGC119833,FL1-theta,interleukin 1 receptor antagonist FKSG75	interleukin 1 family member 10
IL1R1	NM_000877.3	IL1R,IL1RA;interleukin 1 receptor, type 1;DS25473,CD121A;interleukin-1 receptor, type I	interleukin 1 receptor type 1
IL1R2	NM_173434.1	IL1RB;interleukin 1 receptor, type II;CD121b	interleukin 1 receptor type 2
IL1RAP	NM_002182.2	IL-1RAP;IL1RC;CD1E1	interleukin 1 receptor accessory protein
IL1RAPL1	NM_014271.3	IL1RAPL1,MRX34,MRX21,MRX10;mental retardation, X-linked 34,mental retardation, X-linked 21,mental retardation, X-linked 10	interleukin 1 receptor accessory protein like 1
IL1RAPL2	NM_017416.1	IL1RAPL2,MRX33,MRX32,MRX31	interleukin 1 receptor accessory protein like 2
IL1RL1	NM_002324.4	STF,FTL,STZ,STZV,SD94,IL1L133R;homolog of mouse growth stimulation-expressed	interleukin 1 receptor like 1
IL1RL2	NM_001354447.1	IL1RL2,p21LR82	interleukin 1 receptor like 2
IL1RN	NM_000577.4	IL1RA,ICL-1RA,IL1F3,IRAP,IL-1RN,MGC10430;interleukin-1 receptor antagonist protein,intracellular interleukin-1 receptor antagonist	interleukin 1 receptor antagonist
IL2	NM_000586.2	IL-2,TCGF-1;cell growth factor	interleukin 2
IL20	NM_018274.3	ZYCYT10,IL00,IL-20	interleukin 20
IL20RA	NM_014432.2	interleukin 20 receptor, alpha;interleukin 20 receptor alpha subunit;ZYCYT7,IL-20R1	interleukin 20 receptor subunit alpha
IL20RB	NM_144717.3	FNDC6;retroviral type III domain containing 6;interleukin 20 receptor beta;interleukin 20 receptor beta subunit;DN51,IL-20R2,MGC34923	interleukin 20 receptor subunit beta
IL21	NM_021803.2	ZAI1,IL-21	interleukin 21
IL21R	NM_151079.4	CD36a	interleukin 21 receptor
IL22	NM_009254.4	IL-22,ZLZy918,IL-IF,IL-D116,TFR,IF-IL-23,IL-22,MGC79382,MGC79384,IL-10-related T-cell-derived inducible factor	interleukin 22
IL22RA1	NM_021258.3	IL22R;interleukin 22 receptor,interleukin 22 receptor, alpha 1,CRF-2-9	interleukin 22 receptor subunit alpha 1
IL22RA2	NM_181309.1	interleukin 22 receptor, alpha 2;CRF-5;IL-22BP	interleukin 22 receptor subunit alpha 2
IL23	NM_015584.2	interleukin 23, alpha subunit p19;SGF,IL23P19,IL-23,IL-23A,P19;interleukin- α , G-CSF related factor	interleukin 23 subunit alpha
IL23R	NM_144701.2	IL-23R	interleukin 23 receptor
IL24	NM_001815158.1	ST16,mda-7,IL10B,Mob-5,C49A,FSP,IL-24,melanoma differentiation association protein 16,interleukin 16	interleukin 24
IL25	NM_02798.2	IL25;interleukin 17E;IL-25,IL-17E	interleukin 25
IL26	NM_018402.1	AK155,IL-26	interleukin 26
IL27	NM_146593.3	IL30;interleukin 30;IL-27a28,IL27a28,IL27A,IL27A,MGC73873	interleukin 27
IL27RA	NM_004843.3	interleukin 27 receptor, alpha;NSR-1,CCR,DL1,MWSL;cytokine receptor 1, 27h-T-cell cytokine receptor type 1	interleukin 27 receptor subunit alpha
IL2RA	NM_000417.2	IL2R,DDM10;insulin-dependent diabetes mellitus 10;interleukin 2 receptor, alpha;CD25	interleukin 2 receptor subunit alpha
IL2RB	NM_000878.3	IL15R;interleukin 15 receptor, beta;interleukin 2 receptor, beta;CD122	interleukin 2 receptor subunit beta
IL2RG	NM_000206.1	SCID1X1,MDA,CDX;severe combined immunodeficiency,combined immunodeficiency, X-linked,interleukin 2 receptor, gamma;CD132	interleukin 2 receptor subunit gamma
IL3	NM_00508.3	interleukin 3 (colony-stimulating factor, multiple);IL-3,MULTI-CSF,MCSF,MGC79398,MGC79399;multilineage-colony-stimulating factor,hematopoietic growth factor, P-cell stimulating factor,mast-cell growth factor,colony-stimulating factor, multiple	interleukin 3
IL31	NM_00104338.1	IL-31	interleukin 31
IL31RA	NM_139017.3	CR3,GLM-R,CRL,Glmr,IL-31RA	interleukin 31 receptor A
IL32	NM_004224.4	NK4,TAIF2,TAIF3,TAIF4;natural killer cell transcript 4	interleukin 32
IL33	NM_00199640.1	CD163;chromosome 9 open reading frame 36 (NF-HF-V),DV527,DNF7,SG8H0523,NF-HF,ILV11,DV527-related protein,nuclear factor for high endothelial venules,interleukin-1 family, member 11	interleukin 33
IL34	NM_152456.1	C16orf77;chromosome 16 open reading frame 77;MGC34647,IL-34	interleukin 34
IL36A	NM_014440.1	IL1F6;interleukin 1 family, member 6 (epsilon);FLL1,FIL1E,-1F6,IL1E (PSILON),MGC129553,MGC129552	interleukin 36 alpha
IL36B	NM_014438.5	IL1F5;interleukin 1 family, member 5 (delta);FLL1,IL1H2,IL1F5,IL1F1,IL1E (PI),IL1H2,MGC129553,MGC129552	interleukin 36 beta
IL36G	NM_019618.3	IL1F9;interleukin 1 family, member 9 (IL-1H1,IL-1R2A,IL-1F9,IL1H1,IL1E);interleukin-1 homolog,IL-interleukin-1-related protein	interleukin 36 gamma
IL36H	NM_02275.3	IL1F5;interleukin 1 family, member 5 (delta);FLL1,FIL1DETA1,FIL1D,IL1H1,IL1R3,IL1L4,IL-1F5,IL36RA,MGC29840;family of interleukin-1 delta;interleukin-1 receptor antagonist homolog 3,interleukin-1 HYL,IL-1-related protein 3	interleukin 36 receptor antagonist
IL37	NM_014439.3	IL1F7;interleukin 1 family, member 7 (beta);FLL1,FIL1ZETA,IL1SH4,IL-1R1,IL-1F7;interleukin 1, zeta,interleukin-1 homolog	interleukin 37
IL3RA	NM_002182.2	interleukin 3 receptor, alpha (low affinity);CD123	interleukin 3 receptor subunit alpha
IL4	NM_172348.1	BSF,IL-4,BCGF1,MGC79402,B cell stimulatory factor 1,B cell growth factor 1	interleukin 4
IL4R	NM_000418.3	CD124;interleukin 13 receptor	interleukin 4 receptor
IL5	NM_000879.2	interleukin 5 (colony-stimulating factor, eosinophil);IL-5,EDF,IRF;interleukin-5,T cell replacing factor,B cell differentiation factor	interleukin 5
IL5RA	NM_00564.4	IL5R;interleukin 5 receptor, alpha;CDW125,CD125	interleukin 5 receptor subunit alpha
IL6	NM_000600.3	IFN β 2;interleukin 6 (interferon, beta 2);IL-6,BSF2,MGF,HSF;interferon, beta 2	interleukin 6
IL6R	NM_00565.2	CD126	interleukin 6 receptor
IL6ST	NM_002184.2	interleukin 6 signal transducer (gp130, oncostatin M receptor);GP130,CD130,IGP130,gp130, oncostatin M receptor,interleukin-6 receptor subunit beta	interleukin 6 signal transducer
IL7	NM_00199886.1	IL-7	interleukin 7
IL7R	NM_002185.3	CD127,IL7RA	interleukin 7 receptor
IL9	NM_000590.1	IL-9,HFAD,p40,p40 T-cell and mast cell growth factor,T-cell growth factor p40,p40 cytokine,homolog of mouse T cell and mast cell growth factor 40	interleukin 9
IL9R	NM_176786.2	CD129	interleukin 9 receptor
IRAK1	NM_001569.3	IRAK,nucle	interleukin 1 receptor associated kinase 1
IRAK3	NM_007159.1	interleukin-1 receptor-associated kinase 3;IRAK-M	interleukin 1 receptor associated kinase 3
IRAK4	NM_00114182.1	IRAK-4	interleukin 1 receptor associated kinase 4
IRF1	NM_002195.1	MAD;interferon regulatory factor-1	interferon regulatory factor 1
IRF3	NM_001571.5	interleukin 3 receptor-associated kinase 3	interferon regulatory factor 3
IRF4	NM_00195286.1	MUM1,ISIRF	interferon regulatory factor 4
IRF7	NM_001572.3	interleukin 3 receptor-associated kinase 3	interferon regulatory factor 7
IRF9	NM_006084.4	ISGF3;interferon-stimulated transcription factor 3, gamma (48kD);interferon-stimulated transcription factor 3, gamma 48kDa	interferon regulatory factor 9
ISG15	NM_005101.3	IGRP2;interferon, alpha-inducible protein (clone IFI-15K);IFI15,ICRP	ISG15 ubiquitin-like modifier
ITGA5	NM_002208.4	interleukin 1 family, member 5 (delta);IL-1 family, member 5 (delta);CD11a,CD11b,CD11c,CD11d,CD11e,CD11f,CD11g,CD11h,CD11i,CD11j,CD11k,CD11l,CD11m,CD11n,CD11o,CD11p,CD11q,CD11r,CD11s,CD11t,CD11u,CD11v,CD11w,CD11x,CD11y,CD11z,CD11aa,CD11ab,CD11ac,CD11ad,CD11ae,CD11af,CD11ag,CD11ah,CD11ai,CD11aj,CD11ak,CD11al,CD11am,CD11an,CD11ao,CD11ap,CD11aq,CD11ar,CD11as,CD11at,CD11au,CD11av,CD11aw,CD11ax,CD11ay,CD11az,CD11ba,CD11bb,CD11bc,CD11bd,CD11be,CD11bf,CD11bg,CD11bh,CD11bi,CD11bj,CD11bk,CD11bl,CD11bm,CD11bn,CD11bo,CD11bp,CD11bq,CD11br,CD11bs,CD11bt,CD11bu,CD11bv,CD11bw,CD11bx,CD11by,CD11bz,CD11ca,CD11cb,CD11cc,CD11cd,CD11ce,CD11cf,CD11cg,CD11ch,CD11ci,CD11cj,CD11ck,CD11cl,CD11cm,CD11cn,CD11co,CD11cp,CD11cq,CD11cr,CD11cs,CD11ct,CD11cu,CD11cv,CD11cw,CD11cx,CD11cy,CD11cz,CD11da,CD11db,CD11dc,CD11dd,CD11de,CD11df,CD11dg,CD11dh,CD11di,CD11dj,CD11dk,CD11dl,CD11dm,CD11dn,CD11do,CD11dp,CD11dq,CD11dr,CD11ds,CD11dt,CD11du,CD11dv,CD11dw,CD11dx,CD11dy,CD11dz,CD11ea,CD11eb,CD11ec,CD11ed,CD11ee,CD11ef,CD11eg,CD11eh,CD11ei,CD11ej,CD11ek,CD11el,CD11em,CD11en,CD11eo,CD11ep,CD11eq,CD11er,CD11es,CD11et,CD11eu,CD11ev,CD11ew,CD11ex,CD11ey,CD11ez,CD11fa,CD11fb,CD11fc,CD11fd,CD11fe,CD11ff,CD11fg,CD11fh,CD11fi,CD11fj,CD11fk,CD11fl,CD11fm,CD11fn,CD11fo,CD11fp,CD11fq,CD11fr,CD11fs,CD11ft,CD11fu,CD11fv,CD11fw,CD11fx,CD11fy,CD11fz,CD11ga,CD11gb,CD11gc,CD11gd,CD11ge,CD11gf,CD11gg,CD11gh,CD11gi,CD11gj,CD11gk,CD11gl,CD11gm,CD11gn,CD11go,CD11gp,CD11gq,CD11gr,CD11gs,CD11gt,CD11gu,CD11gv,CD11gw,CD11gx,CD11gy,CD11gz,CD11ha,CD11hb,CD11hc,CD11hd,CD11he,CD11hf,CD11hg,CD11hh,CD11hi,CD11hj,CD11hk,CD11hl,CD11hm,CD11hn,CD11ho,CD11hp,CD11hq,CD11hr,CD11hs,CD11ht,CD11hu,CD11hv,CD11hw,CD11hx,CD11hy,CD11hz,CD11ia,CD11ib,CD11ic,CD11id,CD11ie,CD11if,CD11ig,CD11ih,CD11ii,CD11ij,CD11ik,CD11il,CD11im,CD11in,CD11io,CD11ip,CD11iq,CD11ir,CD11is,CD11it,CD11iu,CD11iv,CD11iw,CD11ix,CD11iy,CD11iz,CD11ja,CD11jb,CD11jc,CD11jd,CD11je,CD11jf,CD11jg,CD11jh,CD11ji,CD11jj,CD11jk,CD11jl,CD11jm,CD11jn,CD11jo,CD11jp,CD11jq,CD11jr,CD11js,CD11jt,CD11ju,CD11jv,CD11jw,CD11jx,CD11jy,CD11jz,CD11ka,CD11kb,CD11kc,CD11kd,CD11ke,CD11kf,CD11kg,CD11kh,CD11ki,CD11kj,CD11kl,CD11km,CD11kn,CD11ko,CD11kp,CD11kq,CD11kr,CD11ks,CD11kt,CD11ku,CD11kv,CD11kw,CD11kx,CD11ky,CD11kz,CD11la,CD11lb,CD11lc,CD11ld,CD11le,CD11lf,CD11lg,CD11lh,CD11li,CD11lj,CD11lk,CD11ll,CD11lm,CD11ln,CD11lo,CD11lp,CD11lq,CD11lr,CD11ls,CD11lt,CD11lu,CD11lv,CD11lw,CD11lx,CD11ly,CD11lz,CD11ma,CD11mb,CD11mc,CD11md,CD11me,CD11mf,CD11mg,CD11mh,CD11mi,CD11mj,CD11mk,CD11ml,CD11mm,CD11mn,CD11mo,CD11mp,CD11mq,CD11mr,CD11ms,CD11mt,CD11mu,CD11mv,CD11mw,CD11mx,CD11my,CD11mz,CD11na,CD11nb,CD11nc,CD11nd,CD11ne,CD11nf,CD11ng,CD11nh,CD11ni,CD11nj,CD11nk,CD11nl,CD11nm,CD11nn,CD11no,CD11np,CD11nq,CD11nr,CD11ns,CD11nt,CD11nu,CD11nv,CD11nw,CD11nx,CD11ny,CD11nz,CD11oa,CD11ob,CD11oc,CD11od,CD11oe,CD11of,CD11og,CD11oh,CD11oi,CD11oj,CD11ok,CD11ol,CD11om,CD11on,CD11oo,CD11op,CD11oq,CD11or,CD11os,CD11ot,CD11ou,CD11ov,CD11ow,CD11ox,CD11oy,CD11oz,CD11pa,CD11pb,CD11pc,CD11pd,CD11pe,CD11pf,CD11pg,CD11ph,CD11pi,CD11pj,CD11pk,CD11pl,CD11pm,CD11pn,CD11po,CD11pp,CD11pq,CD11pr,CD11ps,CD11pt,CD11pu,CD11pv,CD11pw,CD11px,CD11py,CD11pz,CD11qa,CD11qb,CD11qc,CD11qd,CD11qe,CD11qf,CD11qg,CD11qh,CD11qi,CD11qj,CD11qk,CD11ql,CD11qm,CD11qn,CD11qo,CD11qp,CD11qq,CD11qr,CD11qs,CD11qt,CD11qu,CD11qv,CD11qw,CD11qx,CD11qy,CD11qz,CD11ra,CD11rb,CD11rc,CD11rd,CD11re,CD11rf,CD11rg,CD11rh,CD11ri,CD11rj,CD11rk,CD11rl,CD11rm,CD11rn,CD11ro,CD11rp,CD11rq,CD11rr,CD11rs,CD11rt,CD11ru,CD11rv,CD11rw,CD11rx,CD11ry,CD11rz,CD11sa,CD11sb,CD11sc,CD11sd,CD11se,CD11sf,CD11sg,CD11sh,CD11si,CD11sj,CD11sk,CD11sl,CD11sm,CD11sn,CD11so,CD11sp,CD11sq,CD11sr,CD11ss,CD11st,CD11su,CD11sv,CD11sw,CD11sx,CD11sy,CD11sz,CD11ta,CD11tb,CD11tc,CD11td,CD11te,CD11tf,CD11tg,CD11th,CD11ti,CD11tj,CD11tk,CD11tl,CD11tm,CD11tn,CD11to,CD11tp,CD11tq,CD11tr,CD11ts,CD11tt,CD11tu,CD11tv,CD11tw,CD11tx,CD11ty,CD11tz,CD11ua,CD11ub,CD11uc,CD11ud,CD11ue,CD11uf,CD11ug,CD11uh,CD11ui,CD11uj,CD11uk,CD11ul,CD11um,CD11un,CD11uo,CD11up,CD11uq,CD11ur,CD11us,CD11ut,CD11uu,CD11uv,CD11uw,CD11ux,CD11uy,CD11uz,CD11va,CD11vb,CD11vc,CD11vd,CD11ve,CD	

NLR4	NM_011991381	CARD12/caspace recruitment domain family, member 12; CLAN1, ipaf, CLANA, CLANB, CLANC, CLAND, CLR2, 1, CLAN; nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain; containing 4; NOD-like receptor C4	NLR family CARD domain containing 4
NLR5	NM_032206.4	NOD2/CLR15, FLJ21709/nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 5; NOD-like receptor C5	NLR family CARD domain containing 5
NLRP1	NM_033004.2	NALP1, SLEVIN, NACHT, leucine rich repeat and PYD (pyrin domain) containing 1; systemic lupus erythematosus, vitiligo-related 1; ANKRD16, NLRP1, CAS1, ECU1, NALP1, PIPAP4, VMAS5; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 1	NLR family pyrin domain containing 1
NLRP3	NM_001798212	Clorf7, CLAS1, DFNA34; cold autoinflammatory syndrome 1; deafness, autosomal dominant 3; AACTP, ALP, ALP, ICAS, ECU1, NALP3, PIPAP4, MWS, CLR1, 1, Crpyrin; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 3	NLR family pyrin domain containing 3
NOD2	NM_001293557.1	IBD1; CARD5/caspace recruitment domain family, member 15; BLAU, CD, PSORAS1, CLR16.3, NLRK2; nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain; containing 4; NOD-like receptor C4	nucleotide binding oligomerization domain containing 2
NOS2	NM_00625.4	NOS2A/nitric oxide synthase 2A (inducible, hepatocytes); nitric oxide synthase 2, inducible; NOS, NOS, HEP-NOS	nitric oxide synthase 2
NOTCH1	NM_027617.3	TAN1; Notch (Drosophila) homolog 1 (translocation-associated); Notch homolog 1, translocation-associated (Drosophila); notch 1; NOH1, NOH-1, MXX1, GPS1-2; mitogenic oxidase (pyridine nucleotide-dependent superoxide-generating); NADPH oxidase homolog-1; NADPH oxidase 1 variant NOH-1L	notch receptor 1
NOX1	NM_00752.4	1; NADPH oxidase 1 variant NOH-1L	NADPH oxidase 1
NPFC2	NM_006432.3	Niemann-Pick disease, type C2; HE1, NP-C2, EDOM1; apolipoprotein protein 1	NPFC intracellular cholesterol transporter 2
NRAS	NM_002524.4	neuroblastoma RAS viral (v-ras) oncogene homolog; neuroblastoma RAS viral oncogene homolog; N-ras	NRAS proto-oncogene, GTPase
NTE	NM_002526.2	NTES-5' nucleotidase; ecto (CD73); 5' nucleotidase, cyto (CD73); CD73; eN; NT, CALA	5' nucleotidase, cyto
NTNG2	NM_032536.1	NTNG1; netrin G1; KIAA1857; Lmnl2; Netrin-G2	netrin G2
OAS1	NM_001032409.1	OAS2, 2'-5'-oligoadenylate synthetase 1 (40-46 kDa); 2'-5'-oligoadenylate synthetase 1, 40/46kDa; OAS1, UFI-4-2'-5'	2'-5'-oligoadenylate synthetase 1
OAS2	NM_016817.2	2'-5'-oligoadenylate synthetase 2 (69-71 kDa); 2'-5'-oligoadenylate synthetase 2, 69/71kDa	2'-5'-oligoadenylate synthetase 2
OAS3	NM_006187.3	2'-5'-oligoadenylate synthetase 3 (100 kDa); 2'-5'-oligoadenylate synthetase 3, 100kDa	2'-5'-oligoadenylate synthetase 3
OASL	NM_198213.3	2'-5'-oligoadenylate synthetase-like; TRIP14; OASL, OASL3	2'-5'-oligoadenylate synthetase like
OASR	NM_001037956.2	osteosarcoma amplified 8; endoplasmic reticulum lectin; OPR2; ERLEC2; endoplasmic reticulum lectin 2; electin 2	OPR endoplasmic reticulum lectin
OSM	NM_020530.6	MGC20461	osteonectin M
PRK7	NM_002562.5	purinergic receptor P2X, ligand-gated ion channel, 7; P2X7; MGC20089	purinergic receptor P2X7
PAK1	NM_002576.5	p21, Rac1-activated kinase 1 (STE20-related); p21 (Cdc42/Rac1)-activated kinase 1 (STE20 homolog, yeast)	p21 [RAC1] activated kinase 1
PANX1	NM_015368.3	MRS1, UNQ259, PK1; innexin	pannexin 1
PARP1	NM_001618.3	POL, ADPRT; ADP-ribosyltransferase (NAD+); poly (ADP-ribose) polymerase; poly (ADP-ribose) polymerase family, member 1; PARP, ARTD1	poly (ADP-ribose) polymerase 1
PARRP9	NM_001461022.1	BAL, BAL1, ARTD9	poly (ADP-ribose) polymerase family member 9
PDCD1	NM_005018.2	SEL1B; systemic lupus erythematosus susceptibility 2; CD27, PD, HsE1, PD-1	programmed cell death 1
PDCD1LG2	NM_005293.3	PD-1-like; PDCD1, MASTA2, PDCD1, CD27, B7-2, CD27L; B7-1; CD95; dendritic cell molecule	programmed cell death 1 ligand 2
PDE1B	NM_009253.5	pyruvate dehydrogenase (E1 subunit); beta; PDE1B	pyruvate dehydrogenase E1 subunit beta
PDCAM1	NM_000442.3	platelet/endothelial cell adhesion molecule 1; CD31; CD31 antigen	platelet and endothelial cell adhesion molecule 1
PELI1	NM_00651.3	pellino (Drosophila) homolog 1, pellino homolog 1 (Drosophila)	pellino E3 ubiquitin protein ligase 1
PEL2	NM_012955.2	pellino (Drosophila) homolog 2, pellino homolog 2 (Drosophila)	pellino E3 ubiquitin protein ligase family member 2
PKFB3	NM_004566.3	phosphoinositide 3-kinase, class 3; phosphatidylinositol 3-kinase, catalytic subunit type 3; Vps34	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3
PKFC3	NM_002647.2	phosphoinositide 3-kinase, class 3; phosphatidylinositol 3-kinase, catalytic subunit type 3; Vps34	phosphatidylinositol 3-kinase catalytic subunit type 3
PKF3CA	NM_006218.2	phosphoinositide 3-kinase, catalytic, alpha polypeptide; phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha; PI3K	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha
PKFCB	NM_006219.1	PKFC3; phosphoinositide 3-kinase, catalytic, beta polypeptide; phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta; phosphoinositide 3-kinase, catalytic, beta polypeptide; phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta; p110D; phosphatidylinositol 3-kinase, catalytic, delta polypeptide; phosphoinositide 3-kinase C	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta
PKFCD	NM_005023.3	phosphoinositide 3-kinase, catalytic, delta polypeptide; phosphatidylinositol-4,5-bisphosphate 3-kinase C	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta
PKFCG	NM_002649.2	phosphoinositide 3-kinase, catalytic, gamma polypeptide; phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit gamma	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma
PKR3	NM_01114172.1	phosphoinositide 3-kinase, regulatory subunit 3 (gamma); phosphoinositide 3-kinase, regulatory subunit gamma	phosphoinositide 3-kinase regulatory subunit 3
PKR4	NM_014602.1	phosphoinositide 3-kinase, regulatory subunit 4; VPS15, p150	phosphoinositide 3-kinase regulatory subunit 4
PKR5	NM_014308.3	phosphoinositide 3-kinase, regulatory subunit 5; P101; PI3K, p101	phosphoinositide 3-kinase regulatory subunit 5
PKR6	NM_001010855.3	C17orf108; chromosome 17 open reading frame 38; phosphoinositide 3-kinase, regulatory subunit 6; FLJ134500; HLT41028; p87PKAP	phosphoinositide 3-kinase regulatory subunit 6
PLAT	NM_000930.3	plasminogen activator, tissue	plasminogen activator, tissue type
PLAU	NM_002658.2	URK, UPA	plasminogen activator, urokinase
PLAUR	NM_001003762.2	URKR, UPAR, CD87; urokinase-type plasminogen activator (uPA) receptor; urokinase plasminogen activator surface receptor	plasminogen activator, urokinase receptor
PLCG1	NM_002660.2	PLC1; phospholipase C, gamma 1 (formerly subtype 14B); phospholipase C, gamma 1; PLC148, PLC-11, PLCgamma1, NCKAP3	phospholipase C gamma 1
PLCG2	NM_002661.2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	phospholipase C gamma 2
PLEK	NM_002664.2	plek	pleckstrin
PLEKHA1	NM_001033741.1	pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 1; pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1; TAPP1; tandem PH domain containing protein-1	pleckstrin homology domain containing A1
PLG	NM_00301.3	plasminogen	plasminogen
PLINA	NM_001080401.1	KIAA1881; KIAA1881; S3-12	perlepin 4
PNOC	NM_001284244.1	PPNOC; ONFQ; NOP; oncostatin, orphanin FQ	prepronociceptin
PPIA	NM_021130.3	CYP4; cyclophilin A	peptidyl/prolyl isomerase A
PRCP	NM_005040.2	PRK17; carbonylcholinesterase (anticholinesterase); CLPCC, HU, MPPC; angiotensinase C	prolylcarboxypeptidase
PRDM1	NM_012907.1	PRDM1; zinc finger protein containing 1, with ZnF domain; PR domain 1; PRDM-1	PR/SET domain 1
PER1	NM_001083116.1	perforin 1 (pore forming protein); PFP, P1, HP1H2; Perforin, perforin 1 (pore forming protein)	perforin 1
PRKCA	NM_002737.2	PKC-epsilon; protein kinase C, alpha; PKC1c	protein kinase C alpha
PRKCB	NM_002544.3	protein kinase C, delta	protein kinase C delta
PRKCC	NM_002572.2	protein kinase C, theta	protein kinase C theta
PRKCSH	NM_002743.2	G19P1, PCLD, PD1; polycystic liver disease; VASAP-60; GiIB; advanced glycation end-product receptor 2; glucosidase II beta subunit; glucosidase 2 subunit beta; hepatocystin	protein kinase C substrate 800-H
PSAP	NM_001042465.2	SAP1, GLA, SA; 2'-hydroxyglutarate synthetase; 2'-hydroxyglutarate synthetase; 2-variant Gaucher disease and variant metachromatic leukodystrophy; saposin A; saposin-B; saposin-C; saposin-D	prosapin
PSEN1	NM_000021.2	AD3; Alzheimer disease 3; FAD5182, PS1	presenilin 1
PSMB10	NM_002801.2	MECL1; proteasome (prosome, macropain) subunit, beta type, 10; proteasome subunit beta 10; LMP10, MGC1665; beta2; proteasome subunit P2	proteasome 20S 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; RING10, D65216E, PSMB8; beta5; proteasome subunit P5	proteasome 20S subunit beta 8
PSMB9	NM_002800.4	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; RING12; beta13, PSMB6; proteasome subunit P1	proteasome 20S subunit beta 9
PSTPR1	NM_001321135.1	PSTP; CD208L1, CD208B1, CD208C1, HRP, PAPAS; CD2 cytoplasmic tail-binding protein, CD2 antigen-binding protein 1; PST- phosphatase interacting protein 1	proline-serine-threonine phosphatase interacting protein 1
PTGER2	NM_000956.3	prostaglandin E receptor 2 (subtype EP2); 53kD; prostaglandin E receptor 2 (subtype EP2), 53kDa; EP2	prostaglandin E receptor 2
PTGER4	NM_000958.2	prostaglandin E receptor 4 (subtype EP4); EP4	prostaglandin E receptor 4
PTGS2	NM_000963.1	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase); COX2; prostaglandin G/H synthase 2; cyclooxygenase 2	prostaglandin-endoperoxide synthase 2
PTK2B	NM_004103.3	FAK2; FAK2, CAK8, PKY2, RAPT, PTK, FAKD2K	protein tyrosine kinase 2 beta
PTPN4	NM_002802.3	protein tyrosine phosphatase 4; non-receptor type 4 (megakaryocyte)/PTPMEG	protein tyrosine phosphatase non-receptor type 4
PTPN6	NM_002831.5	HCP; PTPN6, PTP-NCSP-1, SHP1	protein tyrosine phosphatase non-receptor type 6
PTPRC	NM_009211.3	CD45; LCA, T200, GP180	protein tyrosine phosphatase receptor type C
PRN	NM_001089855.3	PRN	paxillin
PRCAD	NM_013258.3	TMS-1; CARD5, ASC; apoptosis-associated speck-like; apoptosis-associated speck-like protein containing a CARD	PYD and CARD domain containing
RAB31	NM_008688.3	Rab28	RAB31, member RAS oncogene family
RAB5C	NM_001252039.1	RABL; RAB5C1, RAB, member of RAS oncogene family-like; RAB5C, member of RAS oncogene family	RAB5C, member RAS oncogene family
RAB7A	NM_004637.5	ARHGAP5; member RAS oncogene family; Charcot-Marie-Tooth neuropathy 2B	RAB7A, member RAS oncogene family
RAC1	NM_002874.2	ras-related C botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2); EN-7	Ras family small GTPase family
RACK1	NM_006098.4	GNB2L1; guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1; GNB2-rls, H123	receptor for activated C kinase 1
RAF1	NM_002803.3	v-raf-1 murine leukemia viral oncogene homolog 1; Raf-1, c-Raf; CRAF; c-Raf proto-oncogene, serine/threonine kinase	Raf-1 proto-oncogene, serine/threonine kinase
RASGRP1	NM_001128600.1	RAS guanyl releasing protein 1 (calcium and DAG-regulated); CADAG; GEF1, RASGRP1; calcium- and diacylglycerol-regulated guanine nucleotide exchange factor 1	RAS guanyl releasing protein 1
RASGRP4	NM_170604.1	KIAA0203, Cc1, DRAGOU14, FIP200, ATG17, PPP1R131; 200 kDa FAK family kinase-interacting protein; phosphatase 1, regulatory subunit 131	RAS guanyl releasing protein 4
RB1CC1	NM_001083617.1	C20orf18; chromosome 20 open reading frame 18; RANBP-type and CHC4-type zinc finger containing	RB1 inducible colloid-coil 1
RBCK1	NM_006462.4	RUBCK2, XAP4, RNF54, ZRANB4, UBCE7P3; MOH1; heme-oxidized IRP2 ubiquitin ligase 1	RANBP2-type and CHC4-type zinc finger containing 1
RBP1	NM_015874.3	IGKB; RBP1; recombinant binding protein suppressor of hairy cell (Drosophila); SUH; IGKB; RBP1; KBF2, RBP-1, CBF1; suppressor of hairy cell (Drosophila)	recombination signal binding protein for immunoglobulin kappa J region
REL	NM_002908.3	v-rel avian reticuloendotheliosis viral oncogene homolog; Rel-C; Rel	REL proto-oncogene, NF-kB subunit
RELA	NM_021975.4	NFKB3; nuclear factor of kappa light polypeptide gene enhancer in B-cells 3; v-rel avian reticuloendotheliosis viral oncogene homolog A; p50	RELA proto-oncogene, NF-kB subunit
RELB	NM_005009.3	v-rel avian reticuloendotheliosis viral oncogene homolog B (nuclear factor of kappa light polypeptide gene enhancer in B-cells 3); REL-B	RELB proto-oncogene, NF-kB subunit
RGMA	NM_001160283.1	RGM domain family, member A; repulsive guidance molecule family member 8; RGM	repulsive guidance molecule 8; BMP co-receptor A
RHOC	NM_001665.3	RHOGEF; Rho guanine nucleotide exchange factor family, member G (rho G12M/C125B); MGC12538	ras homolog family member G
RIPK1	NM_003804.3	receptor (TNFRSF) interacting serine/threonine kinase 1; RIP; receptor-interacting protein kinase 1	receptor interacting serine/threonine kinase 1
RIPK2	NM_003821.5	receptor-interacting serine/threonine kinase 2; RICK, NIP2, CARDAC, CARD3	receptor interacting serine/threonine kinase 2
RIPK3	NM_006817.3	receptor-interacting serine/threonine kinase 3; RIP3	receptor interacting serine/threonine kinase 3
RNASEL	NM_001133.3	RNS4; PRCA1; prostate cancer 1; ribonuclease 1 (2',5'-oligoadenylate synthetase-dependent)	ribonuclease 1
RNF134	NM_018683.4	ZNF313; zinc finger protein 313; PSORS12	ring finger protein 114
RNF135	NM_012322.3	MGC1300; rTIE1	ring finger protein 115
RNF31	NM_0017990.4	ZNRB1; F1013; FLJ23021; HOP; Pak; HOH-1; interacting protein	ring finger protein 125
RPS6KA1	NM_002953.3	ribosomal protein S6 kinase, 90kD, polypeptide 1; RSK1, HU-1, p90Rsk, MAPKAPK1	ribosomal protein S6 kinase A1
RPS6KB1	NM_004586.2	MRX13; L15; ribosomal protein S6 kinase, 90kD, polypeptide 3; RSK2, HU-3	ribosomal protein S6 kinase A3
RPS6B1	NM_003161.2	STK14; ribosomal protein S6 kinase, 70kD, polypeptide 1; SGR1, p70S6K; alpha, PS6K, S6K	ribosomal protein S6 kinase B1
RSAD2	NM_006057.4	cd5; wipac1, vi1	radical S-adenosyl methionine domain containing 2
RUNX3	NM_001031680.2	CFB; Run1-related transcription factor 3; runt-related transcription factor 3; AML2, FEB2A3	RUNX family transcription factor 3
S100A12	NM_005621.1	S100 calcium-binding protein A12 (calgranulin C); p6, MRPS, CGAF, CAPP1, CAGC, ENRAGE; extracellular newly identified RAGE-binding protein; calcium-binding protein in amniotic fluid 1; migration inhibitory factor-related protein 6; neutrophil S100 protein; calgranulin C; SAM domain and HD domain 1; S8B88, Mgl1, HDCC1, MOP-5, AGG5; HD domain containing 1; monocyte protein 5; Aicardi-Goutieres syndrome 5	S100 calcium binding protein A12
SAMHD1	NM_015474.2	CSG2; CD38 antigen (collagen type I receptor), thrombospondin (receptor)-like 2 (lysosomal integral membrane protein)	SAM and HD domain containing deoxynucleoside triphosphate triphosphohydrolase 1
SCARB2	NM_005066.2	IILHGPS; LIMP15R; BILIMP-2; lysosome membrane protein 2; lysosomal integral membrane protein 2	scavenger receptor class B member 2
SELE	NM_000450.2	ELAM1; ELAM, endothelial adhesion molecule 1; ESEL, CD62	selectin E
SELEN5	NM_203472.1	VIMP; VCP-interacting membrane protein; VCP-interacting membrane selenoprotein; SELS, MGC2553, SB88B, AD-O15, SEPS1; valosin-containing protein-interacting membrane protein	selenoprotein 5
SELL	NM_000655.4	LYAM1; LNHHR; myocyte adhesion molecule 1; SEL1, LAM1, LAM-1, LNHR, Leu-8, Lyam-1, LNHR, CD62L	selectin L
SEM1	NM_006304.1	SHPD1; SHFM1, C7orf76; sp1 hand/foos malformation (ectodysplasy) type 1; chromosome 7 open reading frame 76; SEM1, 265	SEM1 265 proteasome complex subunit
SERPINA1	NM_001117002.1	alpha-1-antitrypsin	serpin family A member 1
SH2D6	NM_002351.4	IBNS; IFS; myofibrillar disease; dominant protein 3A; XLP; MTCPL; DSHP; XLPD; EBVS; SAP; Duncan's disease	SH2 domain containing 6A

SIGIRR	NM_001135051.1	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain:TIR,IL-1R8: single immunoglobulin domain IL1R1 related	single Ig and TIR domain containing
SIGLECS	NM_000389.3	CD33-2: sialic acid binding lectin:SIG-8P2,SIGLEC3:CD33	sialic acid binding w/like lectin 5
SIRPA	NM_001040022.1	1SIRPalpha,CD172a,SIRPalpha2,MRP-SIRPA-P1	signal regulatory protein alpha
SIRPB	NM_000578.3	LSH,NRAMP,NRAMP1:solute carrier family 11 (proton-coupled divalent metal ion transporter), member 1;natural resistance-associated macrophage protein 1	solute carrier family 11 member 1
SLC11A1	NM_006911.2	GLUT3:solute carrier family 2 (facilitated glucose transporter), member 3	solute carrier family 2 member 3
SLC2A3	NM_005902.3	MADH3,MAD, mothers against decapentaplegic homolog 3 (Drosophila),SMAD, mothers against DPP homolog 3 (Drosophila),JVIS-2,HT17486	SMAD family member 3
SMAD4	NM_005359.3	MAD4,MAD, mothers against decapentaplegic homolog 4 (Drosophila),SMAD, mothers against DPP homolog 4 (Drosophila),DPC4	SMAD family member 4
SMAD5	NM_005903.5	MAD5,MAD, mothers against decapentaplegic homolog 5 (Drosophila),SMAD, mothers against DPP homolog 5 (Drosophila),Dwfc,JVIS-1	SMAD family member 5
SODCS1	NM_003745.1	SODCS-1,SSI-1,IB, TIP3, Cih3	suppressor of cytokine signaling 1
SODCS3	NM_003955.4	SSI-3,CSI,SODCS-3,Cih3	suppressor of cytokine signaling 3
SOD1	NM_004544.4	ALS,ALS1:amyotrophic lateral sclerosis 1 (adult),superoxide dismutase 1, soluble,POA	superoxide dismutase 1
SOD2	NM_000636.2	superoxide dismutase 2, mitochondrial:CD1c1,gastric cancer:KIF associated lncRNA.1	superoxide dismutase 2
SORT1	NM_002959.5	Gp95,NT3	sorbin 1
SP1	NM_138473.2	specificity protein 1	Sp1 transcription factor
SP100	NM_00120704.1	nuclear mitoses Sp100	SP100 nuclear antigen
SP11	NM_003120.1	kDa transforming protein	Sp1 proto-oncogene
SPB	NM_003121.4	Sp-B transcription factor (Sp-1/Pu.1 related):SP-B	Sp-B transcription factor
SPB1	NM_003144.5	signal sequence receptor, alpha:TRAP3:translocin associated protein alpha	signal sequence receptor subunit 1
STAT1	NM_139266.1	3:transcription factor (SGF-3 components p91/p84)	signal transducer and activator of transcription 1
STAT2	NM_005419.3	signal transducer and activator of transcription 2, 113kDa:STAT13	signal transducer and activator of transcription 2
STAT3	NM_003150.3	signal transducer and activator of transcription 3 (acute-phase response factor):APRF	signal transducer and activator of transcription 3
STAT4	NM_003151.2	STAT5,SGF	signal transducer and activator of transcription 4
STAT5A	NM_003151.3	STAT5,SGF	signal transducer and activator of transcription 5A
STAT5B	NM_002448.3	STAT5,SGF	signal transducer and activator of transcription 5B
STAT6	NM_003151.3	signal transducer and activator of transcription 6, interleukin-4 induced:D1251644,IL-4-STAT	signal transducer and activator of transcription 6
STING1	NM_198282.1	TMEM173:transmembrane protein 173:FL138577,NET23,ERIS,MPY5,STING,MIF:stimulator of interferon genes,endooplasmic reticulum IP81 stimulator	stimulator of interferon response cGAMP interactor 1
STRAP	NM_007178.3	UNRIP:pt-wd,MAVD:Ulr-interacting protein,milten-activated protein kinase activator with PD repeats,MAPK activator with WD repeats	serine/threonine kinase receptor associated protein
STT3B	XM_011533465.1	STT3, subunit of the oligosaccharyltransferase complex, homolog B (S. cerevisiae),STT3B, catalytic subunit of the oligosaccharyltransferase complex,SIMP,FLJ0106,STT3-B:source of immunodominant MHC associated peptides,dolichyldiphosphoglycerol:phosphate transferase,Dolichyldiphosphoglycerol:phosphate transferase subunit STT3B	STT3 oligosaccharyltransferase complex catalytic subunit B
STG1	NM_01130912.1	SGT1 homolog, MS12:miethochor complex assembly cochaperone	SGT1 homolog, MS12 miethochor complex assembly cochaperone
SYK	NM_003177.5	spleen tyrosine kinase	spleen associated tyrosine kinase
TAB1	NM_153497.2	MAP3K7:IP1:milten-activated protein kinase kinase kinase 7 interacting protein 1,TGF-beta activated kinase 1(MAP3K7 binding protein 1):TAK1-binding protein 1,1-milten-activated protein kinase kinase kinase 7 interacting protein 1	TGF-beta activated kinase 1 (MAP3K7) binding protein 1
TAB2	NM_015093.3	MAP3K7IP2:milten-activated protein kinase kinase kinase 7 interacting protein 2,TGF-beta activated kinase 1(MAP3K7 binding protein 1):TAK1-binding protein 2	TGF-beta activated kinase 1 (MAP3K7) binding protein 2
TANK	NM_001802.2	TRAF3:TRAF family member-associated NF-kB activator:TRAF3	TRAF family member associated NFkB activator
TAP1	NM_005933.5	ABC82:transporter 1, ATP-binding cassette, sub-family B (MDR/TPP),PSF1,RINGA,DC5114E	transporter 1, ATP binding cassette subfamily B member
TAP2	NM_005443.3	ABC83:transporter 2, ATP-binding cassette, sub-family B (MDR/TPP),PSF2,RING11,DC5217E	transporter 2, ATP binding cassette subfamily B member
TBK1	NM_013254.2	TANK-binding kinase 1:NAK	TANK binding kinase 1
TBR1	NM_013351.1	T-box 23:TBX23,t-box	T-box transcription factor 21
TBRX51	NM_001061.4	thromboxane A synthase 1 (platelet, cytochrome P450, subfamily V),thromboxane A synthase 1 (platelet):CYP5,CPY5A1,THAS,TKX5,TKX5,Ts:cytochrome P450, family 5, subfamily A, polypeptide 1	thromboxane A synthase 1
TCF7	NM_021633.2	transcription factor 7 (T-cell specific, HMG-box):TCF-1:cell-factor-7	transcription factor 7
TCIRG1	NM_006053.2	T-cell, immune regulator 1,T-cell, immune regulator 1,ATPase, H+ transporting, lysosomal VO protein isoform 3:T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal VO subunit A3,T-cell immune regulator 1, ATPase H+ transporting VO subunit a3:TM7C,DC-136,OC16,ATP6B1,CAG6A3,ATP6VA3,T-cell immune response CDNA 7	T cell immune regulator 1, ATPase H+ transporting VO subunit a3
TCIL1	NM_00109772.1	TcIL1 leukemia/lymphoma 1,TCIL1	TcIL1 family A/JCT coactivator A
TCN2	NM_003553.3	transcobalamin II, macrocytic anemia,transcobalamin II:D225676,DC22750,TC2:macrocytic anemia	transcobalamin 2
TGFBI	NM_006603.3	TGFBI,DPD1:transforming growth factor, beta 1:CEB, TGFBeta2,Camurati-Engelmann disease,prp-ro:transforming growth factor beta-1,Diphysal dysplasia 1, progressive	transforming growth factor beta 1
TGFBI2	NM_003282.2	transforming growth factor, beta 2:prp-ro:transforming growth factor beta-2	transforming growth factor beta 2
TGFBI3	NM_003289.2	ARVD1,ARVD:arrhythmogenic right ventricular dysplasia 1,transforming growth factor, beta 3:prp-ro:transforming growth factor beta-3	transforming growth factor beta 3
TGFBR2	NM_001048471.1	MFS3:transforming growth factor, beta receptor II (TgR/BDKDa):transforming growth factor beta receptor II,TRBR1,TRBR-II	transforming growth factor beta receptor 2
THBS1	NM_003462.3	THS1,THS,TPS,THS-1:thrombospondin-1	thrombospondin 1
THOP1	NM_003249.3	thimet oligopeptidase 1	thimet oligopeptidase 1
TIFA	NM_002864.2	TRAF-interacting protein with forkhead associated domain:MG20791,T2BP,T6BP,TIFA,TRAF2 binding protein,TRAF6 binding protein	TRAF interacting protein with forkhead associated domain
TIGIT	NM_173799.3	VSIG5,VTSM3,VTSM3,FLJ139873,DZF67667A205	T cell immunoreceptor with Ig and ITIM domains
TIMP2	NM_003255.4	tissue inhibitor of metalloproteinase 2,CSC-21X	TIMP metalloproteinase inhibitor 2
TIN1	NM_002689.3	TINLW,LEQ	tinin 1
TIR1	NM_003263.3	toll like receptor 1:rrc786,KIAA0011,CD281	toll like receptor 1
TIR2	NM_003264.3	toll-like receptor 2:TIL4,CD282	toll like receptor 2
TIR3	NM_003265.2	toll-like receptor 3:CD283	toll like receptor 3
TIR4	NM_003266.3	toll-like receptor 4:ITIR,CD284,TLR-4,ARM040	toll like receptor 4
TIR5	NM_003268.5	SLEB3:systemic lupus erythematosus susceptibility 1,toll-like receptor 5:TIL3,FLJ10052,MGCL126430,MGCL126431,Toll/interleukin-1 receptor-like protein 3	toll like receptor 5
TIR6	NM_006068.4	toll-like receptor 6:CD286	toll like receptor 6
TIR7	NM_015562.3	toll-like receptor 7	toll like receptor 7
TIR8	NM_015610.2	toll-like receptor 8:CD288	toll like receptor 8
TIR9	NM_017442.2	toll-like receptor 9:CD289	toll like receptor 9
TMEM140	NM_006295.3	FLJ11000	transmembrane protein 140
TMPSR52	NM_005565.3	transmembrane protease, serine 2:PRSS10	transmembrane serine protease 2
TNF	NM_000594.2	TNF:superfamily member 1, member 2:TNFSF2,DFP,TNF-alpha:TNF superfamily, member 2	tumor necrosis factor
TNFRSF10B	NM_003842.3	TM receptor superfamily member 10b	TNF receptor superfamily member 10b
TNFRSF12	NM_001819.2	TM receptor superfamily member 12:TRAC,CD269,TNFRSF13A	TNF receptor superfamily member 12
TNFRSF18	NM_148901.1	TM receptor superfamily member 18:ATR,GTR,CD357	TNF receptor superfamily member 18
TNFRSF1A	NM_001065.2	TNFR:superfamily member 1A,TNF-R,TNFR,TRAF6,TNF-R1,CD276,TRAF-R55	TNF receptor superfamily member 1A
TNFRSF25	NM_01039664.1	TNFRSF12:tm receptor superfamily member 12 (translocating chain-association membrane protein),tm receptor superfamily member 25:DR3,TRAMP,WSL-1,L480,WSL-1R,DR3,TR3,APP-3	TNF receptor superfamily member 25
TNRSF4	NM_003272.3	TYGPII:tm receptor superfamily member 4:ACT35,OX40,CD134	TNF receptor superfamily member 4
TNRSF9	NM_001561.5	IL4:tm receptor superfamily member 9:CD137.4-188	TNF receptor superfamily member 9
TNRSF10	NM_003810.2	tm receptor superfamily member 10:TRAIL,App-2,TL2,CD253	TNF superfamily member 10
TNFSF13B	NM_001145645.2	TNFSF20:tm receptor superfamily member 13b:BAFF,THANK,BLYS,TALL-1,TALL,CD257,B-cell-activating factor,TNF and Apo1-related leukocyte expressed ligand 1,TNF homolog that activates apoptosis,B-lymphocyte stimulator	TNF superfamily member 13b
TNFSF18	NM_005092.2	tm receptor superfamily member 18:AITR,TL6,NGTR	TNF superfamily member 18
TNFSF4	NM_003326.2	TGFP1:tax-transcriptionally activated glycoprotein 1, 34kDa,tm receptor superfamily member 4,OX-40L,gp34,CD252	TNF superfamily member 4
TNFSF9	NM_008113.3	tm receptor superfamily member 9:1-9B-1,4-1BBL:receptor 4:1BB ligand,homolog of mouse 4-1BB-L	TNF superfamily member 9
TOLLIP	NM_019009.2	IL-1:ILKAP	Toll interacting protein
TPPI	NM_003091.3	7:tripeptidyl peptidase 7:PLPC,TPP-3:TPP,lysosomal peptidase:carboxypeptidase	tripeptidyl peptidase 1
TPSAB1/B2	NM_003294.3	TPSAB1,TPS2:trypsinase beta 1:trypsinase alpha 1,tryptase beta 1:trypsinase 1:trypsinase 1:trypsinase 1	trypsin alpha/beta 1/2
TRAF2	NM_001138.3	TRAF3:TRAF family member-associated NF-kB activator:TRAF3	TNF associated factor 2
TRAF6	NM_145725.2	CAP-1,CD40b,CRAF1,LAP1,RNF118	TNF associated factor 3
TRAF8	NM_134809.2	TNF receptor-associated factor 6, E3 ubiquitin protein ligase:RNF85	TNF receptor associated factor 6
TRAF1	NM_014294.5	TRAF1,TRAF2	translocation associated membrane protein 1
TRAF3	NM_001317747.1	TCRIN1:TCRIM:HSPC662,TRIM	T cell receptor associated transmembrane adaptor 1
TRIM21	NM_003141.3	SSA1,Sjogren syndrome antigen A1 (52kDa, ribonucleoprotein autoantigen SS-A/Ro),tripartite motif-containing 21,RNF181,ROS2,ROSA,S2XDu,E3 ubiquitin-protein ligase TRIM21	tripartite motif containing 21
TRIM22	NM_006074.4	tripartite motif-containing 22:STRAS9,GPTAF50,RNF84	tripartite motif containing 22
TRIM25	NM_005082.4	ZNF147:zinc finger protein 147 (growth-responsive finger protein),tripartite motif-containing 25,EPF,RNF147	tripartite motif containing 25
TRIM33	NM_015906.3	tripartite motif-containing 33:TRIGAMMA,FLJ11429,KIAA1113,TRIGAMMA,RFQ7,TF1G,TF1G,PTC7;transcriptional intermediary factor 1	tripartite motif containing 33
TRIM5	NM_033092.2	tripartite motif-containing 5,NRN8,TRIM5alpha,tripartite motif protein TRIM5,tripartite motif protein TRIM	tripartite motif containing 5
TRIM56	NM_030963.3	tripartite motif-containing 56,RNF109	tripartite motif containing 56
TRIM6	NM_008166.4	tripartite motif-containing 6,RNF89	tripartite motif containing 6
TRX	NM_003328.1	PTK6:PTK6 protein tyrosine kinase 6,TKL,PSCKT5,BTK,RLK	TRK tyrosine kinase
TXN	NM_003329.2	TRX	thioredoxin
TNXP1	NM_006472.4	VDUP1,EST01027,HCFA78,THF,ARRDC6:upregulated by 1,25-dihydroxyvitamin D-3:thioredoxin binding protein 2	thioredoxin interacting protein
TYK2	NM_003331.4	JTK4	tyrosine kinase 2
TYROBP	NM_003332.3	PLOS,polycyclic lipomenbranous osteodysplasia with sclerosing leukoencephalopathy,TYRO protein tyrosine kinase binding protein:DNP2,PLO,PLO,SLKAAAP:killer activator receptor associated protein,DNAK:activation protein 12, DNAX adhesion protein 12	transmembrane immunine signaling adaptor TYROBP
UBE2A	NM_003333.3	RR-40,CEP2,UBP2,CEP2,MGC51125,AGC13879,MGC126881,L40:ubosomal protein L40,ubiquitin-52 amino acid fusoid protein,ubiquitin carboxyl extension protein 52,60S ribosomal protein L40,ubiquitin-CEP2	ubiquitin A-52 residue ribosomal protein fusion product 1
UBE2L1	NM_004223.4	ubiquitin-conjugating enzyme E2L6,UBCH8	ubiquitin conjugating enzyme E2 L6
UBE2N	NM_003348.4	ubiquitin-conjugating enzyme E2N (homologous to yeast UBC13),ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast),ubiquitin-conjugating enzyme E2N:UbcH8,UBC13,MGC8489	ubiquitin conjugating enzyme E2 N
UBE2NL	NM_001021289.1		UBE2NL (NM 001021289)
ULK1	NM_003965.1	unc-51 (C. elegans)-like kinase 1,unc-51-like kinase 1 (C. elegans):ATG1,ATG1A,ATG1 autophagy related 1 homolog (S. cerevisiae)	unc-51 like autophagy activating kinase 1
ULK2	NM_014683.2	unc-51 (C. elegans)-like kinase 2,unc-51-like kinase 2 (C. elegans):KIAA0023,Unc51.3,ATG18	unc-51 like autophagy activating kinase 2
VAMP8	NM_004781.4	CEB,celladherin	vesicle associated membrane protein 3
VCL	NM_001078.3	CD106	vascular cell adhesion molecule 1
VEGFA	NM_001025366.1	VEGF:vascular endothelial growth factor:VEGF-A,VF1	vascular endothelial growth factor A
VPS3	NM_015440.3	vaccinia related kinase 3	VK serine/threonine kinase 3
VSR	NM_022153.1	CD10f5:chromosome 10 open reading frame 54:SI3P1,G124,B7-H5,B7HS,VISTA,PD-1,Diés1:stress induced secreted protein 1, V-domain β suppressor of T cell activation,PCDD1 homolog	V-set immunoregulatory receptor
VWF	NM_000552.3	FBVWF	von Willebrand factor
WAS	NM_000377.2	WASP,WASP,eczema-thrombocytopenia	WASP actin nucleation promoting factor
WRP1	NM_017988.5	FLJ10055,WIP49,ATG18,ATG18A	WRP repeat domain, phosphoinositide interactor 1
XBP1	NM_009193.2	XBP:IRAP,XBP1:IRAP,XBP1	XBP associated factor 1
XBP1	NM_01079539.1	XBP2	X-box binding protein 1
XCL1/2	NM_002995.2	SCYC2:small inducible cytokine subfamily C, member 2,chemokine (C motif) ligand 2:SCM-1b	X-C motif chemokine ligand 1/2
XCR1	NM_005283.2	GPRS,CCXCR1,chemokine (C motif) Xc receptor 1,chemokine (C motif) receptor 1	X-C motif chemokine receptor 1
XYH1	NM_006826.3	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide,protein, theta:thi,HS1,14-3-3:protein tau,14-3-3 theta	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein theta
ZAP70	NM_001079.3	SRK,SAP-ZAP-70,Src tyrosine-protein kinase ZAP-70	zeta chain of T cell receptor associated protein kinase 70
ZBP1	NM_001160419.2	CD200:FL1B:chromosome 30 open reading frame 185-071817.3,DLM1,OLM-1,DAL:DNA-dependent activator of IRF3	Z-DNA binding protein 1
ZNF1	NM_001090.2	ABC50:ATP-binding cassette, sub-family F (GCN20), member 1:EST123147	ATP binding cassette subfamily F member 1

ALAS1	NM_000688.4	ALAS3,ALAS,aminolevulinate, delta-, synthase 1	5'-aminolevulinate synthase 1
GUSB	NM_000181.3	glucuronidase, beta	glucuronidase beta
HRT1	NM_000284.1	HRT1,HGRT1,esch-Nyhan syndrome	hypoxanthine phosphoribosyltransferase 1
MRP57	NM_015971.3	MRP-5,RP-S7,RPM57	mitochondrial ribosomal protein S7
NMT1	NM_021079.3	NMT,alternative, short form NMT-5,myristoyl-CoA:protein N-myristoyltransferase, long form, NMT-L	N-myristoyltransferase 1
NRDE2	NM_017970.3	C14orf102,chromosome 14 open reading frame 102,FLJ14051	NRDE-2, necessary for RNA interference, domain containing
QAZ1	NM_004152.2	QAZ,QZ,AGCC1,39338,Ac1,antizyme 1	ornithine decarboxylase antizyme 1
PGK1	NM_000291.2		phosphoglycerate kinase 1
SDHA	NM_004168.2	SDH2,succinate dehydrogenase complex, subunit A, flavoprotein (Fp),succinate dehydrogenase complex subunit A, flavoprotein (Fp),Fp,SDHF,succinate dehydrogenase (ubiquinone) flavoprotein subunit,flavoprotein subunit of complex II	succinate dehydrogenase complex flavoprotein subunit A
STK11IP	NM_052902.2	LIP1,KIAA1898,LKB1IP,STK11IP1,LKB1 interacting protein	serine/threonine kinase 11 interacting protein
TBP	NM_001172085.1	GTf2D1,SCA17,TfIID	TATA-box binding protein