

Gene Name	Official Full Gene name	Alias/Prev Symbols	Previous Name(s)	Alias Symbol(s)	Alias Name(s)
A2M	alpha-2-macroglobulin			FWP007,S863-7,CPAMD5	
ABCF1	ATP binding cassette subfamily F member 1	ABC50	ATP-binding cassette, sub-family F (GCN20	EST123147	
ACVR1C	activin A receptor type 1C		activin A receptor, type IC	ALK7,ACVRLK7	
ADAM12	ADAM metalloproteinase domain 12		a disintegrin and metalloproteinase domain	MCMPM1tna,MLTN	meltrin alpha
ADGRE1	adhesion G protein-coupled receptor E1	TM7LN3,EMR1	egf-like module containing, mucin-like, hormone	receptor-like sequence 1, egf-like module containing, mucin-like, hormone	
ADM	adrenomedullin			AM	
ADORA2A	adenosine A2a receptor	ADORA2		RDC8	
AKT1	AKT serine/threonine kinase 1		v-akt murine thymoma viral oncogene homolog	RAC,PKB,PRKBA,AKT	
ALDOA	aldolase, fructose-bisphosphate A		aldolase A, fructose-bisphosphate		
ALDOC	aldolase, fructose-bisphosphate C		aldolase C, fructose-bisphosphate		
ANGPT1	angiopoietin 1			KIAA0003,Ang1	
ANGPT2	angiopoietin 2			Ang2	
ANGPTL4	angiopoietin like 4		angiopoietin-like 4	pp1158,PGAR,ARP4,HFARP,FIAF,NL	fasting-induced adipose factor,hepatic angiopoietin-like 4
ANLN	anillin actin binding protein		anillin (Drosophila Scraps homolog), actin	ANILLIN,Scraps,scra	
APC	APC, WNT signaling pathway regulator		adenomatous polyposis coli,adenomatous	DP2,DP3,DP2.5,PPP1R46	protein phosphatase 1, regulatory subunit 46
APH1B	aph-1 homolog B, gamma-secretase subunit		anterior pharynx defective 1 homolog B (C	PSFL,APH-1B,DKFZp564D0372	
API5	apoptosis inhibitor 5			AAC-11,API5L1,AAC11	API5-like 1, fibroblast growth factor 2-interacting protein
APLNR	apelin receptor	AGTRL1	angiotensin II receptor-like 1	FLJ90771,APJ,APJR	APJ (apelin) receptor
APOE	apolipoprotein E	AD2	Alzheimer disease 2 (APOE*E4-associated, late onset)		
APOL6	apolipoprotein L6			APOL-VI,APOLVI	
AQP9	aquaporin 9			SSC1,HsT17287	
AREG	amphiregulin	SDGF,AREGB	schwannoma-derived growth factor,amphiregulin B		
ARG1	arginase 1		arginase, liver		
ARG2	arginase 2		arginase, type II		
ARID1A	AT-rich interaction domain 1A	C1orf4,SMARCF1	SWI/SNF related, matrix associated, actin	B120,P270,C10rf4,BAF250,BAF250a	
ARNT2	aryl hydrocarbon receptor nuclear translocator 2			KIAA0307,bHLHe1	
ATF3	activating transcription factor 3				
ATM	ATM serine/threonine kinase	ATA,ATDC,ATC,ATD	ataxia telangiectasia mutated (includes co	TEL1,TELO1	TEL1, telomere maintenance 1, homolog (S. cerevisiae)
AXIN1	axin 1			PPP1R49	protein phosphatase 1, regulatory subunit 49
AXL	AXL receptor tyrosine kinase			UFO,JTK11,Tyro7,ARK	
B2M	beta-2-microglobulin				
BAD	BCL2 associated agonist of cell death			BCL2L8,BBC2	
BAMBI	BMP and activin membrane bound inhibitor		BMP and activin membrane-bound inhibitor	NMA	
BATF3	basic leucine zipper ATF-like transcription factor 3		basic leucine zipper transcription factor, A	JUNDM1,SNFT,JDP1	Jun dimerization protein 1
BAX	BCL2 associated X, apoptosis regulator		BCL2-associated X protein,BCL2 associated	BCL2L4	
BBC3	BCL2 binding component 3			JFY1,PUMA	p53-upregulated modulator of apoptosis
BBS1	Bardet-Biedl syndrome 1			FLJ23590	
BCAT1	branched chain amino acid transaminase 1	BCT1	branched chain aminotransferase 1, cytosolic		
BCL2	BCL2, apoptosis regulator		B-cell CLL/lymphoma 2	Bcl-2,PPP1R50	protein phosphatase 1, regulatory subunit 50
BCL2L1	BCL2 like 1			BCLX,BCL2L,Bcl-X,bcl-xL,bcl-xS,P	protein phosphatase 1, regulatory subunit 52
BCL6B	B-cell CLL/lymphoma 6B	ZNF62	zinc finger protein 62,B-cell CLL/lymphoma	ZBTB28,BAZF	
BID	BH3 interacting domain death agonist				
BIRC3	baculoviral IAP repeat containing 3	API2	baculoviral IAP repeat-containing 3	ciAP2,hiap-1,MIHC,RNF49,MALT2,	apoptosis inhibitor 2, TNFR2-TRAF signaling complex
BIRC5	baculoviral IAP repeat containing 5	API4	apoptosis inhibitor 4,baculoviral IAP repeat	EPR-1,survivin	survivin variant 3 alpha
BLK	BLK proto-oncogene, Src family tyrosine kinase		B lymphoid tyrosine kinase	MGC10442	
BLM	Bloom syndrome RecQ like helicase		Bloom syndrome	BS,RECQL3,RECQ2	
BMP2	bone morphogenetic protein 2	BMP2A			
BNIP3	BCL2 interacting protein 3		BCL2/adenovirus E1B 19kDa interacting protein	Nip3	
BNIP3L	BCL2 interacting protein 3 like		BCL2/adenovirus E1B 19kDa interacting protein	Nix,BNIP3a	NIP3-like protein X
BRCA1	BRCA1, DNA repair associated		breast cancer 1, early onset, breast cancer	RNF53,BRCC1,PPP1R53,FANCS	BRCA1/BRCA2-containing complex, subunit 1
BRCA2	BRCA2, DNA repair associated	FANCD1,FACD,FANCD	Fanconi anemia, complementation group D	FAD,FAD1,BRCC2,XRCC11	BRCA1/BRCA2-containing complex, subunit 2
BRD3	bromodomain containing 3		bromodomain-containing 3	RING3L,ORFX,KIAA0043	RING3-like
BRD4	bromodomain containing 4		bromodomain-containing 4	HUNKI,MCAP,CAP,HUNK1	chromosome-associated protein
BRIP1	BRCA1 interacting protein C-terminal helicase 1			OF,BACH1,FANCI	BRCA1/BRCA2-associated helicase 1
BTLA	B and T lymphocyte associated			BTLA1,CD272	
C1QA	complement C1q A chain		complement component 1, q subcomponent, alpha polypeptide, complement component 1, q subcomponent, A chain, complement component 1, q subcomponent		
C1QB	complement C1q B chain		complement component 1, q subcomponent, beta polypeptide, complement component 1, q subcomponent, B chain, complement component 1, q subcomponent		
C2	complement C2		complement component 2		
C5	complement C5		complement component 5	CPAMD4,C5a,C5b	prepro-C5,C5a anaphylatoxin
C5AR1	complement C5a receptor 1	C5R1	complement component 5 receptor 1 (C5a)	C5A,C5AR,CD88	
C7	complement C7		complement component 7		
CASP1	caspase 1	IL1BC	caspase 1, apoptosis-related cysteine protease	ICE	caspase-1, interleukin 1, beta, convertase
CASP3	caspase 3		caspase 3, apoptosis-related cysteine protease	CPP32, CPP32B, Yama, apopain	
CASP8	caspase 8		caspase 8, apoptosis-related cysteine protease	MCH5,MACH,FLICE,Casp-8	
CASP9	caspase 9		caspase 9, apoptosis-related cysteine protease	MCH6,ICE-LAP6,APAF-3,PPP1R56	protein phosphatase 1, regulatory subunit 56
CBLC	Cbl proto-oncogene C		Cas-Br-M (murine) ectropic retroviral trans	CBL-3,CBL-SL,RNF57	
CCL13	C-C motif chemokine ligand 13	SCYA13	small inducible cytokine subfamily A (Cys-C	MCP-4,NCC-1,SCYL1,CKb10,MGC17134	
CCL14	C-C motif chemokine ligand 14	SCYA14	small inducible cytokine subfamily A (Cys-C	HCC-1,HCC-3,NCC-2,SCYL2,CKb1,MCIF	
CCL18	C-C motif chemokine ligand 18	SCYA18	small inducible cytokine subfamily A (Cys-C	DC-CK1,PARC,AMAC-1,DCCK1,MIP	pulmonary and activation-regulated
CCL19	C-C motif chemokine ligand 19	SCYA19	small inducible cytokine subfamily A (Cys-C	ELC,MIP-3b,exodus-3,CKb11	CC chemokine ligand 19, macrophage inflammatory protein 3
CCL2	C-C motif chemokine ligand 2	SCYA2	small inducible cytokine A2 (monocyte chem	MCP1,MCP-1,MCAF,SMC-CF,GDCF-2	monocyte chemoattractant protein 1, homologous to MCP-1
CCL20	C-C motif chemokine ligand 20	SCYA20	small inducible cytokine subfamily A (Cys-C	LARC,MIP-3a,exodus-1,ST38,CKb4	
CCL21	C-C motif chemokine ligand 21	SCYA21	small inducible cytokine subfamily A (Cys-C	SLC,exodus-2,TCA4,CKb9,6ckine,	beta chemokine exodus-2, secondary lymphoid
CCL22	C-C motif chemokine ligand 22	SCYA22	small inducible cytokine subfamily A (Cys-C	MDC,STCP-1,ABCD-1,DC/B-CK,A-152E5.1,MGC34554	
CCL3	C-C motif chemokine ligand 3	SCYA3	small inducible cytokine A3 (homologous to	GOS19-1,LD78ALPHA,MIP-1-alpha	
CCL3L1	C-C motif chemokine ligand 3 like 1	D17S1718,SCYA3L,SCYA3L1	small inducible cytokine A3-like 1, chemokine	GOS19-2,LD78BETA	
CCL4	C-C motif chemokine ligand 4	LAG1,SCYA4	small inducible cytokine A4 (homologous to	MIP-1-beta,Act-2,AT744.1	
CCL5	C-C motif chemokine ligand 5	D17S136E,SCYA5	small inducible cytokine A5 (RANTES), chem	RANTES,SISd,TCP228,MGC17164	T-cell specific protein p288, T-cell specific RANTES
CCL7	C-C motif chemokine ligand 7	SCYA6,SCYA7	small inducible cytokine A7 (monocyte chem	MCP-3,NC28,FIC,MARC,MCP3	monocyte chemoattractant protein 3, monocyte
CCL8	C-C motif chemokine ligand 8	SCYA8	small inducible cytokine subfamily A (Cys-C	MCP-2,HC14	
CCNA1	cyclin A1			CT146	
CCNB1	cyclin B1	CCNB			G2/mitotic-specific cyclin B1
CCND1	cyclin D1	BCL1,D11S287E,PRAD1	cyclin D1 (PRAD1: parathyroid adenomat	U21B31	parathyroid adenomatosis 1, B-cell CLL/lymphoma
CCND2	cyclin D2				G1/S-specific cyclin D2
CCND3	cyclin D3				
CCNE1	cyclin E1	CCNE			cyclin Es, cyclin Et
CCNO	cyclin O	CCNU	cyclin U	UDG2,FLJ22422,UNG2	
CCR2	C-C motif chemokine receptor 2	CMKBR2	chemokine (C-C motif) receptor 2	CC-CKR-2,CKR2,MCP-1-R,CD192,FLJ78302	
CCR4	C-C motif chemokine receptor 4		chemokine (C-C motif) receptor 4	CC-CKR-4,CMKBR4,CKR4,k5-5,ChemR13,CD194	
CCR5	C-C motif chemokine receptor 5 (gene/pseudogen	CMKBR5	chemokine (C-C motif) receptor 5, chemok	CKR-5,CC-CKR-5,CKR5,CD195,IDDM22	
CD14	CD14 molecule		CD14 antigen		
CD163	CD163 molecule		CD163 antigen	M130,MM130,SCAR11	
CD19	CD19 molecule		CD19 antigen		
CD1C	CD1c molecule	CD1	CD1C antigen, c polypeptide, CD1c antigen		
CD2	CD2 molecule	SRBC	CD2 antigen (p50), sheep red blood cell receptor		
CD209	CD209 molecule		CD209 antigen	DC-SIGN,CDSIGN,DC-SIGN1,CLEC4L	
CD244	CD244 molecule		natural killer cell receptor 2B4, CD244 natu	2B4,NAIL,NKR2B4,Nmrk,SLAMF4	
CD247	CD247 molecule	CD3Z	CD3z antigen, zeta polypeptide (TIT3 comp	CD3H,CD3Q	
CD27	CD27 molecule	TNFRSF7	tumor necrosis factor receptor superfamily	S152,Tp55	

CD274	CD274 molecule	PDCD1LG1	programmed cell death 1 ligand 1,CD274 a	B7-H,B7H1,PD-L1,PDL1,B7-H1	B7 homolog 1
CD276	CD276 molecule		CD276 antigen	B7-H3,B7H3,B7RP-2	
CD28	CD28 molecule		CD28 antigen (Tp44)		T-cell-specific surface glycoprotein
CD300A	CD300a molecule		CD300a antigen	Irp60,CMRF35H,CMRF-35-H9,IRC1,IRC2,IGSF12	
CD36	CD36 molecule		CD36 antigen (collagen type I receptor, thr	SCARB3,GPIV,FAT,GP4,GP3B	
CD38	CD38 molecule		CD38 antigen (p45)		ADP-ribosyl cyclase 1,NAD(+) nucleosidase
CD3D	CD3d molecule	T3D	CD3d antigen, delta polypeptide (TiT3 complex),CD3d molecule, delta (CD3-TCR complex)		
CD3E	CD3e molecule		CD3e antigen, epsilon polypeptide (TiT3 complex),CD3e molecule, epsilon (CD3-TCR complex)		
CD3G	CD3g molecule		CD3g antigen, gamma polypeptide (TiT3 complex),CD3g molecule, gamma (CD3-TCR complex)		
CD4	CD4 molecule		CD4 antigen (p55),T-cell surface glycoprotein CD4		
CD40	CD40 molecule	TNFRSF5	tumor necrosis factor receptor superfamily	p50,Bp50	
CD40LG	CD40 ligand	HIGM1,IMD3,TNFSF5	tumor necrosis factor (ligand) superfamily,	CD40L,TRAP,gp39,hCD40L,CD154	CD40 antigen ligand,tumor necrosis factor (li
CD44	CD44 molecule (Indian blood group)	MIC4,MDU2,MDU3	CD44 antigen (homing function and Indian	IN,MC56,Pgp1,CD44R,HCELL,CSPC	hematopoietic cell E- and L-selectin ligand,c
PTPRC	protein tyrosine phosphatase, receptor type C	CD45		LCA,T200,GP180	
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CD47	CD47 molecule	MER6	CD47 antigen (Rh-related antigen, integrin	IAP,OA3	antigen identified by monoclonal antibody 1D
CD48	CD48 molecule	BCM1	CD48 antigen (B-cell membrane protein),C	BLAST,mCD48,hCD48,SLAMF2	
CD5	CD5 molecule	LEU1	CD5 antigen (p56-62)	T1	
CD58	CD58 molecule	LFA3	CD58 antigen, (lymphocyte function-associated antigen 3)		
CD6	CD6 molecule		CD6 antigen	Tp120	
CD68	CD68 molecule		CD68 antigen	SCARD1,macrosialin,GP110,DKFZ	scavenger receptor class D, member 1,CD68
CD69	CD69 molecule		CD69 antigen (p60, early T-cell activation	CLEC2C	
CD7	CD7 molecule		CD7 antigen (p41)	GP40,LEU-9,TP41,TP40	p41 protein,T-cell antigen CD7,T-cell leukem
CD70	CD70 molecule	CD27LG,TNFSF7	tumor necrosis factor (ligand) superfamily,	CD27L	
CD74	CD74 molecule	DHLAG	CD74 antigen (invariant polypeptide of major histocompatibility complex, cl		HLA-DR-gamma,la-associated invariant chain
CD79A	CD79a molecule	IGA	CD79A antigen (immunoglobulin-associated	MB-1	
CD79B	CD79b molecule	IGB	CD79B antigen (immunoglobulin-associated	B29	
CD80	CD80 molecule	CD28LG,CD28LG1	CD80 antigen (CD28 antigen ligand 1, B7-1	B7.1,B7-1	B-lymphocyte activation antigen B7
CD84	CD84 molecule		CD84 antigen (leukocyte antigen),CD84 mo	SLAMF5,hCD84,mCD84	
CD86	CD86 molecule	CD28LG2	CD86 antigen (CD28 antigen ligand 2, B7-2	B7.2,B7-2	B-lymphocyte antigen B7-2
CD8A	CD8a molecule	CD8	CD8 antigen, alpha polypeptide (p32),T-cell surface glycoprotein CD8 alpha chain		
CD8B	CD8b molecule	CD8B1	CD8 antigen, beta polypeptide 1 (p37)		
CD96	CD96 molecule		CD96 antigen	TACTILE	
CDC20	cell division cycle 20		CDC20 (cell division cycle 20, S. cerevisiae	p55CDC,CDC20A	
CDC25C	cell division cycle 25C	CDC25	cell division cycle 25C,cell division cycle 2	PPP1R60	protein phosphatase 1, regulatory subunit 60
CDH1	cadherin 1	UVO	cadherin 1, type 1, E-cadherin (epithelial)	uvomorulin,CD324	E-Cadherin
CDH11	cadherin 11		cadherin 11, type 2, OB-cadherin (osteobla	OB,CAD11	OB-Cadherin
CDH2	cadherin 2	NCAD	cadherin 2, type 1, N-cadherin (neuronal)	CDHN,CD325	N-cadherin
CDH5	cadherin 5		cadherin 5, type 2, VE-cadherin (vascular	7B4,CD144	VE-cadherin
CDK2	cyclin dependent kinase 2				
CDK6	cyclin dependent kinase 6			PLSTIRE	
CDKN1A	cyclin dependent kinase inhibitor 1A	CDKN1	cyclin-dependent kinase inhibitor 1A (p21,	P21,CIP1,WAF1,SDI1,CAP20,p21CIP1,p21Cip1/Waf1	
CDKN1C	cyclin dependent kinase inhibitor 1C	BWCR,BWS	Beckwith-Wiedemann syndrome,cyclin-dep	P57,KIP2	
CDKN2A	cyclin dependent kinase inhibitor 2A	CDKN2,MLM	cyclin-dependent kinase inhibitor 2A (mela	CDK4I,p16,INK4a,MTS1,CMM2,ARF,p19,p14,INK4,p16INK4a,p19Arf,p14ARF	
CDKN2B	cyclin dependent kinase inhibitor 2B		cyclin-dependent kinase inhibitor 2B (p15,	P15,MTS2,INK4B,TP15,CDK4I,p15INK4b	
CEACAM3	carcinoembryonic antigen related cell adhesion m	CGM1	carcinoembryonic antigen-related cell adh	CD66d	
CEBPB	CCAAT/enhancer binding protein beta	TCF5	CCAAT/enhancer binding protein (C/EBP),	LAP,CRP2,NFIL6,IL6DBP,C/EBP-beta	liver-enriched transcriptional activator prote
CENPF	centromere protein F		centromere protein F, 350/400kDa (mitosir	hcp-1	mitosin
CEP55	centrosomal protein 55	C10orf3	chromosome 10 open reading frame 3,cent	FLJ10540,CT111	cancer/testis antigen 111
CES3	carboxylesterase 3		carboxylesterase 3 (brain)	FLJ21736,ES31	esterase 31,brain carboxylesterase BR3
CHUK	conserved helix-loop-helix ubiquitous kinase	TCF16		IKK1,IKK-alpha,IkBKA,IkKBKA,IkK	inhibitor of nuclear factor kappa-B kinase sub
CLEC14A	C-type lectin domain containing 14A	C14orf27	chromosome 14 open reading frame 27,C-type lectin domain family 14, member A,C-type lectin domain family 14 member		
CLEC4E	C-type lectin domain family 4 member E	CLECSF9	C-type (calcium dependent, carbohydrate-	mincle	Macrophage-inducible C-type lectin
CLEC5A	C-type lectin domain containing 5A	CLECSF5	C-type (calcium dependent, carbohydrate-	MDL-1	
CLEC7A	C-type lectin domain containing 7A	CLECSF12	C-type (calcium dependent, carbohydrate-	dectin-1,hDectin-1,CD369,SCARE2	
CLECL1	C-type lectin like 1		C-type lectin-like 1	DCAL1	dendritic cell associated lectin 1
CMKLR1	chemerin chemokine-like receptor 1		chemokine-like receptor 1	RVER1	resolvin E1 receptor,chemerin receptor
CNTRF	ciliary neurotrophic factor receptor				
COL11A1	collagen type XI alpha 1 chain	COLL6	collagen, type XI, alpha 1	STL2,CO11A1	collagen XI, alpha-1 polypeptide
COL11A2	collagen type XI alpha 2 chain	DFNA13,DFNB53	collagen, type XI, alpha 2	HKE5	
COL17A1	collagen type XVII alpha 1 chain	BPAG2	collagen, type XVII, alpha 1	BP180	
COL4A5	collagen type IV alpha 5 chain	ASLN,ATS	Alport syndrome,collagen, type IV, alpha 5,	collagen type IV alpha 5	
COL5A1	collagen type V alpha 1 chain		collagen type V alpha 1		alpha 1 type V collagen
COL6A3	collagen type VI alpha 3 chain		collagen, type VI, alpha 3		
COMP	cartilage oligomeric matrix protein	PSACH,EDM1,EPD1	cartilage oligomeric matrix protein (pseud	MED,THBS5	thrombospondin-5
CPA3	carboxypeptidase A3		carboxypeptidase A3 (mast cell)		mast cell carboxypeptidase A,tissue carboxyp
CRABP2	cellular retinoic acid binding protein 2		cellular retinoic acid-binding protein 2	CRABP-II	
CSF1	colony stimulating factor 1		colony stimulating factor 1 (macrophage)	M-CSF,MCSF,MGC31930	macrophage colony stimulating factor 1
CSF1R	colony stimulating factor 1 receptor	FMS	McDonough feline sarcoma viral (v-fms) on	C-FMS,CSFR,CD115	
CSF2	colony stimulating factor 2		colony stimulating factor 2 (granulocyte-m	GM-CSF,GMCSF	sargramostim,molgramostin,granulocyte-mac
CSF2RB	colony stimulating factor 2 receptor beta common	IL3RB	colony stimulating factor 2 receptor, beta,	IL5RB,CD131,betaGMR	beta common cytokine receptor,beta-GM-CSF
CSF3	colony stimulating factor 3	GCSF,G-CSF,C17orf33	chromosome 17 open reading frame 33,col	MGC45931	granulocyte colony stimulating factor,pluripo
CSF3R	colony stimulating factor 3 receptor	CD114	colony stimulating factor 3 receptor (granu	GCSFR	
CST2	cystatin SA				cystatin 2
CTAG1B	cancer/testis antigen 1B	CTAG,CTAG1	cancer/testis antigen 1	NY-ESO-1,LAGE2B,LAGE2A,ESO1,CT6.1	
CTLA4	cytotoxic T-lymphocyte associated protein 4	CELIAC3,IDD12	celiac disease 3,insulin-dependent diabete	CD152,CD,GSE	
CTNNB1	catenin beta 1	CTNNB	catenin (cadherin-associated protein), bet	beta-catenin,armadillo	
CTSS	cathepsin S				
CTSW	cathepsin W		cathepsin W (lymphopain)		
CX3CL1	C-X3-C motif chemokine ligand 1	SCYD1	small inducible cytokine subfamily D (Cys-	NTN,C3Xkine,ABCD-3,CXC3C,CXC3,fractalkine,neurotactin	
CX3CR1	C-X3-C motif chemokine receptor 1	GPR13,CMKBRL1	chemokine (C-X3-C) receptor 1,chemokine	CMKDR1,V28,CCRL1	
CXCL1	C-X-C motif chemokine ligand 1	MGSA,GRO1,FSP	GRO1 oncogene (melanoma growth stimula	SCYB1,GROa,MGSA-a,NAP-3	melanoma growth stimulating activity, alpha
CXCL10	C-X-C motif chemokine ligand 10	INP10,SCYB10	small inducible cytokine subfamily B (Cys-	IF110,IP-10,crg-2,mob-1,C7,gIP-10	
CXCL11	C-X-C motif chemokine ligand 11	SCYB9B,SCYB11	small inducible cytokine subfamily B (Cys-	H174,b-R1,I-TAC,IP-9	
CXCL12	C-X-C motif chemokine ligand 12	SDF1A,SDF1B,SDF1	stromal cell-derived factor 1,chemokine (C	SCYB12,SDF-1a,SDF-1b,PBSF,TLSF-a,TLSF-b,TPAR1	
CXCL13	C-X-C motif chemokine ligand 13	SCYB13	small inducible cytokine B subfamily (Cys-	BLC,BCA-1,BLR1L,ANGIE,ANGIE2	B-cell chemoattractant
CXCL14	C-X-C motif chemokine ligand 14	SCYB14	small inducible cytokine subfamily B (Cys-	BRAK,NJAC,bolekin,Kec,MIP-2g,I	breast and kidney
CXCL16	C-X-C motif chemokine ligand 16		chemokine (C-X-C motif) ligand 16	SR-PSOX,CXCLG16,SRPSOX	CXC chemokine ligand 16
CXCL2	C-X-C motif chemokine ligand 2	GRO2	GRO2 oncogene,chemokine (C-X-C motif) l	SCYB2,GROb,MIP-2a,MGSA-b,CINC-2a	
CXCL3	C-X-C motif chemokine ligand 3	GRO3	GRO3 oncogene,chemokine (C-X-C motif) l	SCYB3,GROg,MIP-2b,CINC-2b	
CXCL5	C-X-C motif chemokine ligand 5	SCYB5	small inducible cytokine subfamily B (Cys-	ENA-78	
CXCL6	C-X-C motif chemokine ligand 6	SCYB6	small inducible cytokine subfamily B (Cys-	GCP-2,CKA-3	granulocyte chemotactic protein 2
CXCL8	C-X-C motif chemokine ligand 8	IL8	interleukin 8,chemokine (C-X-C motif) liga	SCYB8,LUCT,LECT,MDNCF,TSG-1,IL	neutrophil-activating peptide 1,granulocyte c
CXCL9	C-X-C motif chemokine ligand 9	CMK,MIG	monokine induced by gamma interferon,chi	SCYB9,Humig,crg-10	
CXCR2	C-X-C motif chemokine receptor 2	IL8RB	interleukin 8 receptor, beta,chemokine (C-	CMKAR2,CD182	
CXCR3	C-X-C motif chemokine receptor 3	GPR9	G protein-coupled receptor 9,chemokine (C-	CKR-L2,CMKAR3,IP10-R,MigR,CD183	
CXCR4	C-X-C motif chemokine receptor 4		chemokine (C-X-C motif), receptor 4 (fusin	LESTR,NPY3R,HM89,NPY3R,D25201E,fusin,HSY3RR,NPYR,CD184	
CXCR6	C-X-C motif chemokine receptor 6		chemokine (C-X-C motif) receptor 6	TYMSTR,STRL33,BONZO,CD186	
CXorf36	chromosome X open reading frame 36			FLJ14103,DIA1R	

CYBB	cytochrome b-245 beta chain	CGD	chronic granulomatous disease,cytochrome	GP91-PHOX,NOX2	NADPH oxidase 2
DAB2	DAB2, clathrin adaptor protein		disabled (Drosophila) homolog 2 (mitogen-	DOC-2	
DDB2	damage specific DNA binding protein 2		damage-specific DNA binding protein 2 (48	DDBB,UV-DDB2,FLJ34321,XPE	xeroderma pigmentosum group E protein,UV-
DEFB134	defensin beta 134		defensin, beta 134		
DEPTOR	DEP domain containing MTOR interacting protein	DEPDC6	DEP domain containing 6	DEP.6,FLJ12428	
DKK1	dickkopf WNT signaling pathway inhibitor 1		dickkopf (Xenopus laevis) homolog 1,dickk	SK,DKK-1	
DLL1	delta like canonical Notch ligand 1		delta (Drosophila)-like 1,delta-like 1 (Drosophila)		
DLL4	delta like canonical Notch ligand 4		delta-like 4 homolog (Drosophila),delta-like 4 (Drosophila)		
DNAJC14	DnaJ heat shock protein family (Hsp40) member C14		DnaJ (Hsp40) homolog, subfamily C, memb	DNAJ,DRIP78,HDJ3,LIP6,FLJ32792	
DNMT1	DNA methyltransferase 1	DNMT	DNA (cytosine-5-)-methyltransferase 1	MCMT,CXXC9	
DPP4	dipeptidyl peptidase 4	CD26,ADCP2	dipeptidylpeptidase IV (CD26, adenosine d	DPPIV	
DTX3L	deltex E3 ubiquitin ligase 3L		deltex 3-like (Drosophila)	BBAP	rhysin 2
DTX4	deltex E3 ubiquitin ligase 4		deltex homolog 4 (Drosophila)	KIAA0937,RNF155	
DUSP1	dual specificity phosphatase 1	PTPN10		HVH1,CL100,MKP-1	
DUSP2	dual specificity phosphatase 2			PAC-1	
DUSP5	dual specificity phosphatase 5			HVH3	
E2F3	E2F transcription factor 3				
EDN1	endothelin 1			ET1	
EGF	epidermal growth factor		epidermal growth factor (beta-urogastrone)		
EGFR	epidermal growth factor receptor	ERBB	epidermal growth factor receptor (avian e	ERBB1	erythroblastic leukemia viral (v-erb-b) oncog
EGR1	early growth response 1			TIS8,G0S30,NGFI-A,KROX-24,ZIF-2	nerve growth factor-induced protein A,transc
EIF2AK2	eukaryotic translation initiation factor 2 alpha kin	PRKR	protein kinase, interferon-inducible doubl	PKR,EIF2AK1,PPP1R83	protein phosphatase 1, regulatory subunit 83
EIF2B4	eukaryotic translation initiation factor 2B subunit delta		eukaryotic translation initiation factor 2B,	EIF2Bdelta,EIF-2B,DKFZP586J0119,EIF2B	
EIF4EBP1	eukaryotic translation initiation factor 4E binding protein 1			PHAS-1,4E-BP1	phosphorylated heat- and acid-stable protein
EIF5AL1	eukaryotic translation initiation factor 5A-like 1	EIF5AP1	eukaryotic translation initiation factor 5A	ba342M3.3	
ELOB	elongin B	TCEB2	transcription elongation factor B (SIII), pol	SIII	
ENO1	enolase 1	ENO1L1,MPB1	enolase 1, (alpha)	PPH,MBP-1	alpha-enolase
ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1	CD39		NTPDase-1,ATPDase,SPG64	
EOMES	eomesodermin		eomesodermin (Xenopus laevis) homolog	TBR2	T-box brain2
EPCAM	epithelial cell adhesion molecule	M4S1,MIC18,TACSTD1	antigen identified by monoclonal antibody	Ly74,TROP1,GA733-2,EGP34,EGP40,EGP-2,KSA,CD326,Ep-CAM,HEA125,KS1/4,M	
EPM2AIP1	EPM2A interacting protein 1		EPM2A (laforin) interacting protein 1	KIAA0766,FLJ11207	laforin interacting protein 1
ERBB2	erb-b2 receptor tyrosine kinase 2	NGL	v-erb-b2 avian erythroblastic leukemia vir	NEU,HER-2,CD340,HER2	neuro/glioblastoma derived oncogene homol
ERCC3	ERCC excision repair 3, TFIIF core complex helicase subunit		excision repair cross-complementing roder	XPB,BTF2,RAD25,TFIIF,GTF2H	xeroderma pigmentosum group B complemen
ERO1A	endoplasmic reticulum oxidoreductase 1 alpha	ERO1L	ERO1 (S. cerevisiae)-like,ERO1-like (S. cer	ERO1-alpha,Ero1alpha	
ESR1	estrogen receptor 1	ESR		NR3A1,Era,ER-alpha	nuclear receptor subfamily 3 group A membe
EXO1	exonuclease 1			HEX1,hExo1	rad2 nuclease family member, homolog of S.
EZH2	enhancer of zeste 2 polycomb repressive complex 2 subunit		enhancer of zeste (Drosophila) homolog 2,	EZH1,ENX-1,KMT6,KMT6A	
F2RL1	F2R like trypsin receptor 1	GPR11	coagulation factor II (thrombin) receptor-li	PAR2	proteinase-activated receptor-2
FADD	Fas associated via death domain		Fas (TNFRSF6)-associated via death domai	MORT1,GIG3	Fas-associating protein with death domain,Fa
FAM124B	family with sequence similarity 124 member B		family with sequence similarity 124B	FLJ22746	
FAM30A	family with sequence similarity 30 member A	C14orf110,KIAA0125	chromosome 14 open reading frame 110,KI	HSPC053	
FANCA	Fanconi anemia complementation group A	FACA,FANCH		FAA,FA-H,FAH	
FAP	fibroblast activation protein alpha		fibroblast activation protein, alpha	DPPIV	seprase
FAS	Fas cell surface death receptor	FAS1,APT1,TNFRSF6	tumor necrosis factor receptor superfamily	CD95,APO-1	TNF receptor superfamily member 6
FASLG	Fas ligand	APT1LG1,TNFSF6	tumor necrosis factor (ligand) superfamily,	FasL,CD178	
FBP1	fructose-bisphosphatase 1	FBP	fructose-1,6-bisphosphatase 1		
FCAR	Fc fragment of IgA receptor		Fc fragment of IgA, receptor for	CD89	
FCGR1A	Fc fragment of IgG receptor Ia		Fc fragment of IgG, high affinity Ia, recept	CD64,CD64A	Fc gamma receptor Ia
FCGR2A	Fc fragment of IgG receptor IIa	FCG2,FCGR2A1,FCGR2	Fc fragment of IgG, low affinity IIa, recept	CD32,CD32A,IGFR2,CDw32	Immunoglobulin G Fc receptor II,Fc gamma re
FCGR2B	Fc fragment of IgG receptor IIb	FCG2,FCGR2	Fc fragment of IgG, low affinity IIb, recept	CD32,CD32B	Fc gamma receptor IIb
FCGR3A	Fc fragment of IgG receptor IIIa	FCGR3,FCG3	Fc fragment of IgG, low affinity IIIa, recep	CD16,CD16a	Fc gamma receptor IIIa
FCGR3B	Fc fragment of IgG receptor IIIb	FCGR3,FCG3	Fc fragment of IgG, low affinity IIIb, recep	CD16,CD16b	Fc gamma receptor IIIb
FCGRT	Fc fragment of IgG receptor and transporter		Fc fragment of IgG, receptor, transporter,	FCRN,alpha-chain	heavy chain of the major histocompatibility c
FCN1	ficolin 1		ficolin (collagen/fibrinogen domain-contai	FCNM	
FCRL2	Fc receptor like 2	SPAP1	SH2 domain-containing phosphatase ancho	FCRH2,IRTA4,CD307b	
FGF13	fibroblast growth factor 13			FHF2,FGF2	fibroblast growth factor homologous factor 2
FGF18	fibroblast growth factor 18			FGF-18,ZFGF5	
FGF9	fibroblast growth factor 9		fibroblast growth factor 9 (glia-activating	factor)	glia-activating factor
FGFR1	fibroblast growth factor receptor 1	FLT2,KAL2	fms-related tyrosine kinase 2	H2,H3,H4,H5,CEK,FLG,BFGFR,N-S	Pfeiffer syndrome
FLNB	filamin B	FLN1L,LRS1	filamin B, beta (actin binding protein 278)	TAP,TABP,ABP-278,FH1	actin binding protein 278,beta filamin
FLT1	fms related tyrosine kinase 1	FLT	fms-related tyrosine kinase 1 (vascular enc	VEGFR1	vascular endothelial growth factor receptor 1
FOSL1	FOS like 1, AP-1 transcription factor subunit		FOS like antigen 1	fra-1	
FOXP3	forkhead box P3	IPEX	immune dysregulation, polyendocrinopath	JM2,XPID,AIID,PIDX,DIETER,SCURFIN	
FPR1	formyl peptide receptor 1			FPR,FMLP	
FPR3	formyl peptide receptor 3	FPRL2	formyl peptide receptor-like 2	FPRH1,FMLPY,RMLP-R-I	
FSTL3	follistatin like 3		follistatin-like 3 (secreted glycoprotein)	FLRG,FSRP	follistatin-related protein
FUT4	fucosyltransferase 4	CD15,FCT3A,ELFT	ELAM ligand fucosyltransferase	FUC-TIV	galactoside 3-L-fucosyltransferase,alpha (1,3
FYN	FYN proto-oncogene, Src family tyrosine kinase		FYN oncogene related to SRC, FGR, YES	SYN,SLK,MGC45350	
FZD8	frizzled class receptor 8		frizzled (Drosophila) homolog 8,frizzled homolog 8 (Drosophila),frizzled 8, seven transmembrane spanning receptor,frizzle		
FZD9	frizzled class receptor 9		frizzled (Drosophila) homolog 9,frizzled ho	FZD3,CD349	
G6PD	glucose-6-phosphate dehydrogenase			G6PD1	
GAS1	growth arrest specific 1				Growth arrest-specific gene-1
GBP1	guanylate binding protein 1		guanylate binding protein 1, interferon-inducible, 67kDa,guanylate binding protein 1, interferon-inducible		
GBP2	guanylate binding protein 2		guanylate binding protein 2, interferon-inducible		
GBP4	guanylate binding protein 4			Mpa2	
GHR	growth hormone receptor			GHPB	growth hormone binding protein
GIMAP4	GTPase, IMAP family member 4			HIMAP4,FLJ11110,IMAP4,IAN1	immune-associated nucleotide-binding protei
GIMAP6	GTPase, IMAP family member 6			FLJ22690,IAN6	immune-associated nucleotide-binding protei
GLI1	GLI family zinc finger 1	GLI	glioma-associated oncogene homolog 1 (zinc finger protein),glioma-associated oncogene family zinc finger 1		
GLS	glutaminase			KIAA0838,GLS1	
GLUD1	glutamate dehydrogenase 1	GLUD		GDH	
GLUL	glutamate-ammonia ligase	GLNS	glutamate-ammonia ligase (glutamine synthase)		glutamine synthetase
GMIP	GEM interacting protein			ARHGAP46	
GNG4	G protein subunit gamma 4		guanine nucleotide binding protein (G protein), gamma 4		
GNLY	granulysin	LAG2		NKG5,LAG-2,D2S69E,TLA519	T-lymphocyte activation gene 519
GOT1	glutamic-oxaloacetic transaminase 1		glutamic-oxaloacetic transaminase 1, solu	AST1	aspartate aminotransferase 1,aspartate trans
GOT2	glutamic-oxaloacetic transaminase 2		glutamic-oxaloacetic transaminase 2, mito	mitAAT,KATIV,KAT4,KYAT4	kynurenine aminotransferase IV,aspartate am
GPC4	glypican 4			K-glypican	glypican proteoglycan 4
GPR160	G protein-coupled receptor 160			GPCR150,GPCR1	
GPSM3	G protein signaling modulator 3	C6orf9	chromosome 6 open reading frame 9,G-pro	NG1,G18,G18.1a,G18.1b,G18.2,A	activator of G-protein signaling 4
GUSB	glucuronidase beta		glucuronidase, beta		
GZMA	granzyme A	HFSP,CTLA3	granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase		CTL tryptase,Cytotoxic T-lymphocyte-associ
GZMB	granzyme B	CTLA1,CSPB	granzyme B (granzyme 2, cytotoxic T-lymp	CCPI,CGL-1,CSP-B,CGL1,CTSGL1,I	fragmentin 2,cytotoxic serine protease B,cat
GZMH	granzyme H	CTSGL2	granzyme H (cathepsin G-like 2, protein h-	CGL-2,CCP-X,CTLA1,CSP-C	cathepsin G-like 2, protein h-CCPX
GZMK	granzyme K		granzyme K (serine protease, granzyme 3;	TRYP2,PRSS	tryptase II
GZMM	granzyme M		granzyme M (lymphocyte met-ase 1)	MET1,LMET1	lymphocyte met-ase 1
H2AFX	H2A histone family member X	H2AX	H2A histone family, member X		
HAVCR2	hepatitis A virus cellular receptor 2			Tim-3,TIM3,FLJ14428,TIMD3,CD36	T-cell immunoglobulin mucin family member
HCK	HCK proto-oncogene, Src family tyrosine kinase		hemopoietic cell kinase	JTK9	
HDAC11	histone deacetylase 11				

HDAC3	histone deacetylase 3			RPD3,HD3,RPD3-2	
HDAC4	histone deacetylase 4	BDMR	brachydactyly-mental retardation syndrom	KIAA0288,HDAC-A,HDACA,HD4,HA6116,HDAC-4	
HDAC5	histone deacetylase 5			KIAA0600,NY-CO-9,FLJ90614	
HDC	histidine decarboxylase				
HELLS	helicase, lymphoid specific			PASG,SMARCA6,LSH,Nbla10143	SWI/SNF2-related, matrix-associated, actin-c
HERC6	HECT and RLD domain containing E3 ubiquitin protein ligase family member 6		hect domain and RLD 6	FLJ20637	
HES1	hes family bHLH transcription factor 1	HRY	hairy homolog (Drosophila),hairy and enha	FLJ20408,HES-1,Hes1,bHLHb39	
HEY1	hes related family bHLH transcription factor with YRPW motif 1		hairy/enhancer-of-split related with YRPW	HESR-1,CHF2,HESR1,HRT-1,CHF-2,HERP2,bHLHb31	
HIF1A	hypoxia inducible factor 1 alpha subunit		hypoxia inducible factor 1, alpha subunit (MOP1,HIF-1alpha,PASD8,HIF1,bHLHe78	
HK1	hexokinase 1				
HK2	hexokinase 2				
HLA-A	major histocompatibility complex, class I, A				
HLA-B	major histocompatibility complex, class I, B	AS	ankylosing spondylitis		
HLA-C	major histocompatibility complex, class I, C	HLA-JY3,D6S204,PSORS1	psoriasis susceptibility 1		
HLA-DMA	major histocompatibility complex, class II, DM alpha			D6S222E,RING6	
HLA-DMB	major histocompatibility complex, class II, DM beta			D6S221E,RING7	
HLA-DOA	major histocompatibility complex, class II, DO alpha	HLA-DZA,HLA-DNA		HLA-D0-alpha	
HLA-DOB	major histocompatibility complex, class II, DO beta				
HLA-DPA1	major histocompatibility complex, class II, DP alpha	HLA-DP1A			
HLA-DPB1	major histocompatibility complex, class II, DP beta	HLA-DP1B			
HLA-DQA1	major histocompatibility complex, class II, DQ alpha	HLA-DQA		CELIAC1	
HLA-DQA2	major histocompatibility complex, class II, DQ alpha	HLA-DXA			
HLA-DQB1	major histocompatibility complex, class II, DQ beta	HLA-DQB		IDDM1,CELIAC1	
HLA-DRA	major histocompatibility complex, class II, DR alpha	HLA-DRA1			
HLA-DRB1	major histocompatibility complex, class II, DR beta	HLA-DR1B			
HLA-DRB5	major histocompatibility complex, class II, DR beta 5				
HLA-E	major histocompatibility complex, class I, E				
HLA-F	major histocompatibility complex, class I, F				
HMGA1	high mobility group AT-hook 1	HMG1Y	high-mobility group (nonhistone chromosomal) protein isoforms I and Y		
HMGB1	high mobility group box 1	HMG1	high-mobility group (nonhistone chromosom	HMG3,SBP-1,DKFZp686A04236	high mobility group box 1,Sulfoglucuronyl car
HNF1A	HNF1 homeobox A	MODY3,TCF1	transcription factor 1, hepatic; LF-B1, hep	HNF1,LFB1	
HRAS	HRas proto-oncogene, GTPase	HRAS1	v-Ha-ras Harvey rat sarcoma viral oncogene homolog,Harvey rat sarcoma viral oncogene homolog		
HSD11B1	hydroxysteroid 11-beta dehydrogenase 1	HSD11B,HSD11	hydroxysteroid (11-beta) dehydrogenase 1	SDR26C1	short chain dehydrogenase/reductase family
ICAM1	intercellular adhesion molecule 1			BB2,CD54	human rhinovirus receptor
ICAM2	intercellular adhesion molecule 2			CD102	
ICAM3	intercellular adhesion molecule 3			CDW50,ICAM-R,CD50	
ICAM5	intercellular adhesion molecule 5	TLCN		TLN	telencephalin
ICOS	inducible T-cell costimulator			AILIM,CD278	activation-inducible lymphocyte immunomed
ICOSLG	inducible T-cell costimulator ligand	ICOSL		KIAA0653,GL50,B7-H2,B7RP-1,B7H	B7-related protein 1,B7 homologue 2,B7 hom
ID4	inhibitor of DNA binding 4, HLH protein		inhibitor of DNA binding 4, dominant negat	bHLHb27	inhibitor of differentiation 4
IDO1	indoleamine 2,3-dioxygenase 1	IDO,INDO	indoleamine-pyrrole 2,3 dioxygenase		
IER3	immediate early response 3			IEX-1,DIF-2,PRG1,IEX-1L	
IFI16	interferon gamma inducible protein 16			IFNGIP1,PYHIN2	
IFI27	interferon alpha inducible protein 27			P27,FAM14D,ISG12	
IFI35	interferon induced protein 35		interferon-induced protein 35	IFP35	
IFI6	interferon alpha inducible protein 6	G1P3	interferon, alpha-inducible protein (clone	IFI616,FAM14C,6-16,IFI-6-16	
IFIH1	interferon induced with helicase C domain 1		interferon induced with helicase C domain	MDA-5,Hlcd,MDA5,IDDM19	helicard,melanoma differentiation-associated
IFIT1	interferon induced protein with tetratricopeptide	G10P1,IFI56,IFNA11	interferon-induced protein with tetratricop	GARG-16	
IFIT2	interferon induced protein with tetratricopeptide	IFI54,G10P2	interferon-induced protein with tetratricop	IFI-54,ISG-54K,cig42,GARG-39	
IFIT3	interferon induced protein with tetratricopeptide	IFIT4	interferon-induced protein with tetratricop	ISG60,RIG-G,CIG-49,IFI60,GARG-49,IRG2	
IFITM1	interferon induced transmembrane protein 1	IFI17	interferon induced transmembrane protein	9-27,CD225	interferon-induced transmembrane protein 1
IFITM2	interferon induced transmembrane protein 2		interferon induced transmembrane protein	1-8D	
IFNA1	interferon alpha 1			IFNA@,IFL,IFN,IFN-ALPHA,IFNA13	IFN-alpha 1b,interferon alpha 1b
IFNAR1	interferon alpha and beta receptor subunit 1	IFNAR	interferon (alpha, beta and omega) recept	IFRC	
IFNG	interferon gamma				
IFNGR1	interferon gamma receptor 1	IFNGR		CD119	
IFNGR2	interferon gamma receptor 2	IFNGT1	interferon gamma receptor 2 (interferon g	AF-1	
IGF2R	insulin like growth factor 2 receptor		insulin-like growth factor 2 receptor	CD222,MPRI,MPRI1,CIMPR,M6P-R,C	cation-independent mannose-6 phosphate rec
IHH	indian hedgehog		Indian hedgehog (Drosophila) homolog,Indi	HHG2,BDA1	
IKBKB	inhibitor of nuclear factor kappa B kinase subunit beta		inhibitor of kappa light polypeptide gene e	IKK2,NFKBIKB,IKK-beta,IKKB	
IKBKG	inhibitor of nuclear factor kappa B kinase subunit	IP2,IP1	incontinentia pigmenti,inhibitor of kappa	IKK-gamma,NEMO,Fip3p,FIP-3,FIP3,ZC2HC9	
IL10	interleukin 10			CSIF,TGIF,IL10A,IL-10	cytokine synthesis inhibitory factor,T-cell gro
IL10RA	interleukin 10 receptor subunit alpha	IL10R	interleukin 10 receptor, alpha	HIL-10R,CDW210A,CD210a,CD210	
IL11	interleukin 11			IL-11,AGIF	adipogenesis inhibitory factor,oprelvekin
IL11RA	interleukin 11 receptor subunit alpha		interleukin 11 receptor, alpha		
IL12RB2	interleukin 12 receptor subunit beta 2		interleukin 12 receptor, beta 2		
IL15	interleukin 15			IL-15,MGC9721	
IL16	interleukin 16		interleukin 16 (lymphocyte chemoattracta	LCF,IL-16,prIL-16,HsT19289,FLJ42	prointerleukin 16,lymphocyte chemoattracta
IL17A	interleukin 17A	CTLA8,IL17	interleukin 17 (cytotoxic T-lymphocyte-ass	IL-17A,IL-17	cytotoxic T-lymphocyte-associated protein 8
IL18	interleukin 18		interleukin 18 (interferon-gamma-inducing	IGIF,IL1F4,IL-1g,IL-18	interferon-gamma-inducing factor
IL18R1	interleukin 18 receptor 1			IL1RRP,IL-1Rrp,CD218a	
IL1A	interleukin 1 alpha	IL1		IL1F1,IL-1A,IL1-ALPHA	preinterleukin 1 alpha,hematopoietin-1,pro-i
IL1B	interleukin 1 beta			IL1F2,IL-1B,IL1-BETA	
IL1R2	interleukin 1 receptor type 2	IL1RB	interleukin 1 receptor, type II	CD121b	
IL1RN	interleukin 1 receptor antagonist			IL1RA,ICIL-1RA,IL1F3,IRAP,IL-1RN	interleukin-1 receptor antagonist protein,int
IL2	interleukin 2			IL-2,TCGF	T cell growth factor
IL21R	interleukin 21 receptor			CD360	
IL22RA1	interleukin 22 receptor subunit alpha 1	IL22R	interleukin 22 receptor,interleukin 22 rece	CRF2-9	
IL24	interleukin 24	ST16		mda-7,IL10B,Mob-5,C49A,FISP,IL-7	melanoma differentiation association protein
IL2RA	interleukin 2 receptor subunit alpha	IL2R,IDDM10	insulin-dependent diabetes mellitus 10,int	CD25	
IL2RB	interleukin 2 receptor subunit beta	IL15RB	interleukin 15 receptor, beta,interleukin 2	CD122	
IL2RG	interleukin 2 receptor subunit gamma	SCIDX1,IMD4,CIDX	severe combined immunodeficiency,combi	CD132	
IL32	interleukin 32			NK4,TAIF,TAIFb,TAIFd	natural killer cell transcript 4
IL33	interleukin 33	C9orf26	chromosome 9 open reading frame 26 (NF-	DVS27,DKFZp586H0523,NF-HEV,IL	DVS27-related protein,nuclear factor for high
IL34	interleukin 34	C16orf77	chromosome 16 open reading frame 77	MGC34647,IL-34	
IL4	interleukin 4			BSF1,IL-4,BCGF1,BCGF-1,MGC794	B_cell stimulatory factor 1,lymphocyte stimu
IL6	interleukin 6	IFNB2	interleukin 6 (interferon, beta 2)	IL-6,BSF2,HGF,HSF	interferon, beta 2
IL6R	interleukin 6 receptor			CD126	
IL7R	interleukin 7 receptor			CD127	
INHBA	inhibin beta A subunit		inhibin, beta A (activin A, activin AB alpha	polypeptide),inhibin, beta A,inhibin beta A	
IRF1	interferon regulatory factor 1			MAR	interferon regulatory factor-1
IRF2	interferon regulatory factor 2				
IRF3	interferon regulatory factor 3				
IRF4	interferon regulatory factor 4	MUM1		LSIRF	
IRF5	interferon regulatory factor 5				
IRF7	interferon regulatory factor 7				
IRF8	interferon regulatory factor 8	ICSBP1	interferon consensus sequence binding pro	IRF-8,ICSBP	
IRF9	interferon regulatory factor 9	ISGF3G	interferon-stimulated transcription factor 3, gamma (48kD),interferon-stimulated transcription factor 3, gamma 48kDa		
ISG15	ISG15 ubiquitin-like modifier	G1P2	interferon, alpha-inducible protein (clone	IFI15,UCRP	
ITGA1	integrin subunit alpha 1		integrin, alpha 1	VLA1,CD49a	

ITGA2	integrin subunit alpha 2	CD49B	integrin, alpha 2 (CD49B, alpha 2 subunit	CD49b	alpha 2 subunit of VLA-2 receptor
ITGA4	integrin subunit alpha 4	CD49D	integrin, alpha 4 (antigen CD49D, alpha 4	CD49d	antigen CD49D,alpha 4 subunit of VLA-4 rece
ITGA6	integrin subunit alpha 6		integrin, alpha 6	CD49f	
ITGAE	integrin subunit alpha E		integrin, alpha E (antigen CD103, human m	CD103,HUMINAE	antigen CD103,human mucosal lymphocyte a
ITGAL	integrin subunit alpha L	CD11A	integrin, alpha L (antigen CD11A (p180), ly	LFA-1	antigen CD11A (p180),lymphocyte function-as
ITGAM	integrin subunit alpha M	CR3A,CD11B	integrin, alpha M (complement component	MAC-1,CD11b	complement component 3 receptor 3 subunit
ITGAV	integrin subunit alpha V	VNRA,MSK8,VTNR	antigen identified by monoclonal antibody	CD51	
ITGAX	integrin subunit alpha X	CD11C	integrin, alpha X (antigen CD11C (p150), a	CD11c	complement component 3 receptor 4 subunit
ITGB2	integrin subunit beta 2	CD18,MF17	integrin, beta 2 (antigen CD18 (p95), lym	LFA-1,MAC-1	complement component 3 receptor 3 and 4 s
ITGB3	integrin subunit beta 3	GP3A	integrin, beta 3 (platelet glycoprotein IIIa,	CD61,GPIIIa	platelet glycoprotein IIIa,antigen CD61
ITGB8	integrin subunit beta 8		integrin, beta 8		
ITPK1	inositol-tetrakisphosphate 1-kinase		inositol 1,3,4-triphosphate 5/6 kinase		
JAG1	jagged 1	AGS,JAGL1	Alagille syndrome	AHD,AWS,HJ1,CD339	
JAG2	jagged 2				
JAK1	Janus kinase 1	JAK1B		JAK1A,JTK3	
JAK2	Janus kinase 2			JTK10	
JAK3	Janus kinase 3			L-JAK,JAKL,LJAK,JAK3_HUMAN,JA	tyrosine-protein kinase JAK3,leukocyte Janus
KAT2B	lysine acetyltransferase 2B	PCAF	p300/CBP-associated factor,K(lysine) acety	P/CAF,GCN5,GCN5L	
KDR	kinase insert domain receptor		kinase insert domain receptor (a type III re	FLK1,VEGFR,VEGFR2,CD309	vascular endothelial growth factor receptor 2
KIF2C	kinesin family member 2C	KNL6	kinesin-like 6 (mitotic centromere-associat	MCAK,CT139	
KIR2DL3	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 3		killer cell immunoglobulin-like receptor, tv	cl-6,nkat2,nkat2a,nkat2b,p58,CD158B2	
KIR3DL1	killer cell immunoglobulin like receptor, three Ig d	KIR	killer cell immunoglobulin-like receptor, th	cl-2,NKB1,cl-11,nkat3,NKB1B,AMB11,CD158e1/2,CD158E1,CD158e2	
KIR3DL2	killer cell immunoglobulin like receptor, three Ig domains and long cytoplasmic tail 2		killer cell immunoglobulin-like receptor, th	cl-5,nkat4,nkat4a,nkat4b,CD158K	
KIT	KIT proto-oncogene receptor tyrosine kinase	PBT	piebald trait,v-kit Hardy-Zuckerman 4 felin	CD117,SCFR,C-Kit	
KLRB1	killer cell lectin like receptor B1	NKR	killer cell lectin-like receptor subfamily B,	CD161,NKR-P1,NKR-P1A,hNKR-P1,	natural killer cell surface protein P1A
KLRD1	killer cell lectin like receptor D1	CD94	killer cell lectin-like receptor subfamily D,	member 1	
KLRK1	killer cell lectin like receptor K1	D12S2489E	DNA segment on chromosome 12 (unique)	NKG2D,KLR,NKG2-D,CD314	
KRAS	KRAS proto-oncogene, GTPase	KRAS2	v-Ki-ras2 Kirsten rat sarcoma 2 viral oncog	KRAS1	
LAG3	lymphocyte activating 3		lymphocyte-activation gene 3	CD223	
LAIR1	leukocyte associated immunoglobulin like receptor 1		leukocyte-associated Ig-like receptor 1,leu	CD305	
LAMA1	laminin subunit alpha 1	LAMA	laminin, alpha 1		
LAMB3	laminin subunit beta 3	LAMNB1	laminin, beta 3 (nicein (125kD), kalinin (14	nicein-125kDa,kalinin-140kDa,BM600-125kDa	
LAMC2	laminin subunit gamma 2	EBR2,LAMB2T,LAMNB2,EBR2A	laminin, gamma 2 (nicein (100kD), kalinin	nicein-100kDa,kalinin-105kDa,BM600-100kDa	
LCK	LCK proto-oncogene, Src family tyrosine kinase		lymphocyte-specific protein tyrosine kinase		
LDHA	lactate dehydrogenase A				
LDHB	lactate dehydrogenase B				
LGALS9	galectin 9		lectin, galactoside-binding, soluble, 9	LGALS9A	
LIF	LIF, interleukin 6 family cytokine		leukemia inhibitory factor	CDF,DIA,HILDA	differentiation inhibitory activity,differentiat
LILRA1	leukocyte immunoglobulin like receptor A1		leukocyte immunoglobulin-like receptor, su	LIR-6,CD85i,LIR6	leukocyte Ig-like receptor A1
LILRA3	leukocyte immunoglobulin like receptor A3		leukocyte immunoglobulin-like receptor, su	LIR-4,HM43,ILT6,HM31,LIR4,CD85	leukocyte Ig-like receptor A3
LILRA5	leukocyte immunoglobulin like receptor A5	LILRB7	leukocyte immunoglobulin-like receptor, su	ILT11,LIR9,CD85,CD85f	leukocyte Ig-like receptor A5
LILRB2	leukocyte immunoglobulin like receptor B2		leukocyte immunoglobulin-like receptor, su	LIR-2,ILT4,MIR-10,LIR2,CD85d,MIF	myeloid inhibitory receptor 10,leucocyte Ig-l
LILRB4	leukocyte immunoglobulin like receptor B4		leukocyte immunoglobulin-like receptor, su	LIR-5,ILT3,HM18,LIR5,CD85k	leukocyte Ig-like receptor B4
LOXL2	lysyl oxidase like 2		lysyl oxidase-like 2	WS9-14,LOR	
LRRC32	leucine rich repeat containing 32	D11S833E,GARP	glycoprotein A repetitions predominant		
LTB	lymphotoxin beta	TNFC		p33,TNFSF3	TNF superfamily member 3
LTBP1	latent transforming growth factor beta binding protein 1				TGF-beta1-BP-1
LY9	lymphocyte antigen 9			CD229,mLY9,SLAMF3,hly9	
LY96	lymphocyte antigen 96			MD-2	
LYZ	lysozyme		lysozyme (renal amyloidosis)		renal amyloidosis
MAGEA1	MAGE family member A1	MAGE1	melanoma antigen family A, 1 (directs exp	MGC9326,CT1.1	melanoma-associated antigen 1,melanoma-as
MAGEA12	MAGE family member A12	MAGE12	melanoma antigen family A12	CT1.12	cancer/testis antigen family 1, member 12
MAGEA3	MAGE family member A3	MAGE3	melanoma antigen family A3	HYPD,HIP8,MGC14613,CT1.3	melanoma-associated antigen 3,antigen MZ2-
MAGEA6	MAGE family member A6	MAGE6	melanoma antigen family A6	CT1.6,MAGE3B,MAGE-3b	MAGE-6 antigen,melanoma-associated antige
MAGEA4	MAGE family member A4	MAGE4	melanoma antigen family A4	MAGE4A,MAGE4B,MAGE-41,MAGE-	melanoma-associated antigen 4,cancer/testis
MAGEB2	MAGE family member B2		melanoma antigen family B2	DAM6,MAGE-XP-2,MGC26438,CT3	DSS/AHC critical interval MAGE superfamily 6
MAGEC1	MAGE family member C1		melanoma antigen family C1	MAGE-C1,CT7,MGC39366,CT7.1	cancer/testis antigen family 7, member 1
MAGEC2	MAGE family member C2	MAGEE1	melanoma antigen, family E, 1, cancer/tes	CT10,MAGE-C2,HCA587	cancer/testis antigen 10
MAML2	mastermind like transcriptional coactivator 2		mastermind (Drosophila)-like 2,mastermind	KIAA1819,MAM3	
MAP3K12	mitogen-activated protein kinase kinase kinase 12	ZPK		MUK,DLK,ZPKP1,MEKK12	dual leucine zipper kinase DLK
MAP3K5	mitogen-activated protein kinase kinase kinase 5	MEKK5		MAPKKK5,ASK1	apoptosis signal regulating kinase 1
MAP3K7	mitogen-activated protein kinase kinase kinase 7	TAK1		MEKK7	TGF-beta activated kinase 1
MAP3K8	mitogen-activated protein kinase kinase kinase 8	COT,ESTF		Tpl-2,EST,c-COT,MEKK8	
MAPK10	mitogen-activated protein kinase 10	PRKM10		JNK3,p493F12,p54bSAPK	
MARCO	macrophage receptor with collagenous structure			SCARA2,SR-A6	scavenger receptor class A, member 2
CGAS	cyclic GMP-AMP synthase	C6orf150,MB21D1	chromosome 6 open reading frame 150,Ma	cGAS	
MELK	maternal embryonic leucine zipper kinase			KIAA0175	
MET	MET proto-oncogene, receptor tyrosine kinase		met proto-oncogene	HGFR,RCCP2,DFNB97	hepatocyte growth factor receptor
MFGE8	milk fat globule-EGF factor 8 protein	SPAG10	sperm associated antigen 10	SED1,EDIL1,BA46,OAcGD35,HsT19	sperm surface protein hP47,lactadherin
MFNG	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase		manic fringe (Drosophila) homolog,manic	fringe homolog (Drosophila)	
MGMT	O-6-methylguanine-DNA methyltransferase				methylated-DNA--protein-cysteine methyltra
MICA	MHC class I polypeptide-related sequence A			PERB11.1	
MICB	MHC class I polypeptide-related sequence B			PERB11.2	
MKI67	marker of proliferation Ki-67		antigen identified by monoclonal antibody	MIB-,PPP1R105	protein phosphatase 1, regulatory subunit 10
MLANA	melan-A			MART1	
MLH1	mutL homolog 1	COCA2	mutL (E. coli) homolog 1 (colon cancer, noi	HNPCC,FCC2,HNPCC2	
MMP1	matrix metalloproteinase 1	CLG	matrix metalloproteinase 1 (interstitial colla	genase)	interstitial collagenase
MMP7	matrix metalloproteinase 7	MPSL1	matrix metalloproteinase 7 (matrilysin, ut	PUMP-1	matrilysin
MMP9	matrix metalloproteinase 9	CLG4B	matrix metalloproteinase 9 (gelatinase B,	92kDa gelatinase, 92kDa type IV collagenase)	
MMRN2	multimerin 2	EMILIN3	elastin microfibril interfacier 3	EndoGlyx-1,FLJ13465	
MRC1	mannose receptor C-type 1	MRC1L1	mannose receptor, C type 1-like 1,mannos	CLEC13D,CD206,bA541119.1,CLEC	macrophage mannose receptor
MRE11	MRE11 homolog, double strand break repair nucle	MRE11A	MRE11 meiotic recombination 11 homolog	ATLD	AT-like disease
MRPL19	mitochondrial ribosomal protein L19			MRP-L15,RPML15,KIAA0104,RLX1	39S ribosomal protein L19
MS4A1	membrane spanning 4-domains A1	CD20	membrane-spanning 4-domains, subfamily	B1,Bp35,MS4A2	
MS4A2	membrane spanning 4-domains A2	FCER1B,IGER,APY	IgE responsiveness (atopic),membrane-spa	MS4A1	Fc fragment of IgE, high affinity I, receptor f
MS4A4A	membrane spanning 4-domains A4A	MS4A4	membrane-spanning 4-domains, subfamily	CD20L1,MS4A7	
MS4A6A	membrane spanning 4-domains A6A	MS4A6	membrane-spanning 4-domains, subfamily	CD20L3	
MSH2	mutS homolog 2	COCA1	mutS (E. coli) homolog 2 (colon cancer, noi	HNPCC,HNPCC1	
MSH6	mutS homolog 6	GTBP	mutS (E. coli) homolog 6,mutS homolog 6 (E. coli)		
MTOR	mechanistic target of rapamycin kinase	FRAP,FRAP2,FRAP1	FK506 binding protein 12-rapamycin associ	RAFT1,RAPT1,FLJ44809	FK506 binding protein 12-rapamycin associat
MX1	MX dynamin like GTPase 1		myxovirus (influenza) resistance 1, homol	IFI-78K,MxA	interferon-inducible protein p78
MXI1	MAX interactor 1, dimerization protein		MAX interacting protein 1,MAX interactor 1	MXD2,MAD2,MXI,bHLHc11	
MYC	MYC proto-oncogene, bHLH transcription factor		v-myc avian myelocytomatosis viral oncoge	c-Myc,bHLHe39,MYCC	
MYCT1	MYC target 1			MTLC,FLJ21269	
MYD88	myeloid differentiation primary response 88		myeloid differentiation primary response gene (88)		
NBN	nibrin	NBS,NBS1	Nijmegen breakage syndrome 1 (nibrin)	ATV,AT-V2,AT-V1	
NCAM1	neural cell adhesion molecule 1			NCAM,CD56	
NCR1	natural cytotoxicity triggering receptor 1	LY94	lymphocyte antigen 94 (mouse) homolog (z	NK-p46,NKP46,CD335	
NDUFA4L2	NDUFA4, mitochondrial complex associated like 2		NADH dehydrogenase (ubiquinone) 1 alpha	NUOMS,FLJ26118	NADH-ubiquinone oxidoreductase MLRQ subu
NECTIN1	nectin cell adhesion molecule 1	HVEC,ED4,PVRL1	poliovirus receptor-related 1 (herpesvirus	PRR,PRR1,PVRR1,SK-12,HlgR,CLP	nectin

NECTIN2	nectin cell adhesion molecule 2	HVEB,PVRL2	poliovirus receptor-related 2 (herpesvirus)	PVRR2,PRR2,CD112	
NEIL1	nei like DNA glycosylase 1		nei endonuclease VIII-like 1 (E. coli)	FLJ22402,hFPG1,NEI1,FPG1	DNA endonuclease eight-like glycosylase 1
NF1	neurofibromin 1				neurofibromatosis,von Recklinghausen diseas
NFAM1	NFAT activating protein with ITAM motif 1			CNAIP	
NFATC2	nuclear factor of activated T-cells 2		nuclear factor of activated T-cells, cytopla	NF-ATP,NFATp,NFAT1	
NFIL3	nuclear factor, interleukin 3 regulated	IL3BP1		E4BP4,NFIL3A,NF-IL3A	
NFKB1	nuclear factor kappa B subunit 1		nuclear factor of kappa light polypeptide g	KBF1,p105,NFKB-p50,p50,NF-kappaB,NFkappaB,NF-kB1	
NFKB2	nuclear factor kappa B subunit 2		nuclear factor of kappa light polypeptide g	LYT-10,p52,p105,NF-kB2,p49/p100	
NFKBIA	NFKB inhibitor alpha	NFKBI	nuclear factor of kappa light polypeptide g	IKBA,MAD-3,lkappaBalph	NF-kappa-B inhibitor alpha
NFKBIE	NFKB inhibitor epsilon		nuclear factor of kappa light polypeptide g	IKBE	NF-kappa-B inhibitor epsilon
NGFR	nerve growth factor receptor		nerve growth factor receptor (TNFR superf	TNFRSF16,CD271,p75NTR	low affinity nerve growth factor receptor,TNF
NID2	nidogen 2				osteonidogen
NKG7	natural killer cell granule protein 7		natural killer cell group 7 sequence	GIG1,GMP-17	granule membrane protein 17
NLRC5	NLR family CARD domain containing 5			NOD27,CLR16.1,FLJ21709	nucleotide-binding oligomerization domain, l
NLRP3	NLR family pyrin domain containing 3	C1orf7,CIAS1	cold autoinflammatory syndrome 1	AGTAVPRL,AII,AVP,FCAS,FCU,NALF	Cryopyrin,nucleotide-binding oligomerization
NOD2	nucleotide binding oligomerization domain contain	IBD1,CARD15	caspase recruitment domain family, memb	BLAU,CD,PSORAS1,CLR16.3,NLRC	nucleotide-binding oligomerization domain, l
NOS2	nitric oxide synthase 2	NOS2A	nitric oxide synthase 2A (inducible, hepato	iNOS,NOS,HEP-NOS	
NOTCH1	notch 1	TAN1	Notch (Drosophila) homolog 1 (translocation-associated),Notch homolog 1, translocation-associated (Drosophila)		
NOTCH2	notch 2		Notch (Drosophila) homolog 2,Notch homolog 2 (Drosophila)		
NRAS	NRAS proto-oncogene, GTPase		neuroblastoma RAS viral (v-ras) oncogene	N-ras	
NRDE2	NRDE-2, necessary for RNA interference, domain	C14orf102	chromosome 14 open reading frame 102	FLJ14051	
NT5E	5'-nucleotidase ecto	NT5	5' nucleotidase (CD73),5'-nucleotidase, ect	CD73,eN,eNT,CALJA	
OAS1	2'-5'-oligoadenylate synthetase 1	OIAS	2',5'-oligoadenylate synthetase 1 (40-46 kD	OIASI,IFI-4	
OAS2	2'-5'-oligoadenylate synthetase 2		2'-5'-oligoadenylate synthetase 2 (69-71 kD),2'-5'-oligoadenylate synthetase 2, 69/71kDa		
OAS3	2'-5'-oligoadenylate synthetase 3		2'-5'-oligoadenylate synthetase 3 (100 kD),2'-5'-oligoadenylate synthetase 3, 100kDa		
OASL	2'-5'-oligoadenylate synthetase like		2'-5'-oligoadenylate synthetase-like	TRIP14,p59OASL,OASL1	
OAZ1	ornithine decarboxylase antizyme 1	OAZ		AZI,MGC138338	antizyme 1
OLFML2B	olfactomedin like 2B		olfactomedin-like 2B	DKFZP586L151	
OLR1	oxidized low density lipoprotein receptor 1		oxidised low density lipoprotein (lectin-like)	LOX-1,SCARE1,CLEC8A	
OTOA	otoancorin	DFNB22	deafness, autosomal recessive 22	CT108	cancer/testis antigen 108
P2RY13	purinergic receptor P2Y13	GPR94,GPR86	G protein-coupled receptor 86,purinergic r	FKSG77,P2Y13	
P4HA1	prolyl 4-hydroxylase subunit alpha 1	P4HA	procollagen-proline, 2-oxoglutarate 4-diox	C-P4Halph(I)	collagen prolyl 4-hydroxylase alpha(I)
P4HA2	prolyl 4-hydroxylase subunit alpha 2		procollagen-proline, 2-oxoglutarate 4-diox	C-P4Halph(II)	4-PH alpha 2,collagen prolyl 4-hydroxylase al
PALMD	palmdelphin	C1orf11		FLJ20271,PALML	
PARP12	poly(ADP-ribose) polymerase family member 12	ZC3HDC1	zinc finger CCCH-type domain containing 1	FLJ22693,PARP-12,ZC3H1	
PARP4	poly(ADP-ribose) polymerase family member 4	ADPRTL1	ADP-ribosyltransferase (NAD+; poly (ADP-ri	VAULT3,p193,VPARP,VWA5C	von Willebrand factor A domain containing 5C
PARP9	poly(ADP-ribose) polymerase family member 9			BAL,BAL1	
PC	pyruvate carboxylase			PCB	
PCK2	phosphoenolpyruvate carboxykinase 2, mitochondrial		phosphoenolpyruvate carboxykinase 2 (mit	PEPCK,PEPCK2	
PDCD1	programmed cell death 1	SLEB2	systemic lupus erythematosus susceptibilit	CD279,PD1,hSLE1,PD-1	
PDCD1LG2	programmed cell death 1 ligand 2			PD-L2,Btdc,PDL2,ba574F11.2,CD2	B7 dendritic cell molecule
PDGFA	platelet derived growth factor subunit A		platelet-derived growth factor alpha polyp	PDGF1,PDGF-A	PDGF A-chain,platelet-derived growth factor
PDGFB	platelet derived growth factor subunit B	SIS	platelet-derived growth factor beta polype	SSV	oncogene SIS,becaplermin
PDGFRB	platelet derived growth factor receptor beta	PDGFR	platelet-derived growth factor receptor, br	JTK12,CD140b,PDGFR1	
PDK1	pyruvate dehydrogenase kinase 1		pyruvate dehydrogenase kinase, isoenzyme	1,pyruvate dehydrogenase kinase, isozyme 1	
PDZK1IP1	PDZK1 interacting protein 1			DD96,MAP17,SPAP	
PECAM1	platelet and endothelial cell adhesion molecule 1		platelet/endothelial cell adhesion molecu	CD31	CD31 antigen
PF4	platelet factor 4		platelet factor 4	SCYB4,CXCL4	chemokine (C-X-C motif) ligand 4
PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3				
PFKM	phosphofructokinase, muscle	PFKX	phosphofructokinase, polypeptide X	PFK-1,PPP1R122	protein phosphatase 1, regulatory subunit 12
PGPEP1	pyroglutamyl-peptidase I			PGP-I,Pcp,PGP,PGPI	pyroglutamyl aminopeptidase
PIAS4	protein inhibitor of activated STAT 4			Piasg,PIASY,FLJ12419,ZMIZ6	zinc finger, MIZ-type containing 6
PIK3CA	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha		phosphoinositide-3-kinase, catalytic, alpha	PI3K	
PIK3CD	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta		phosphoinositide-3-kinase, catalytic, delta	p110D	phosphatidylinositol 3-kinase, catalytic, delta
PIK3CG	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma		phosphoinositide-3-kinase, catalytic, gamma	polypeptide,phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit	
PIK3R1	phosphoinositide-3-kinase regulatory subunit 1		phosphoinositide-3-kinase, regulatory subu	GRB1,p85-ALPHA,p85	phosphoinositide-3-kinase regulatory subunit
PIK3R2	phosphoinositide-3-kinase regulatory subunit 2		phosphoinositide-3-kinase, regulatory subu	P85B,p85	phosphoinositide-3-kinase regulatory subunit
PIK3R5	phosphoinositide-3-kinase regulatory subunit 5		phosphoinositide-3-kinase, regulatory subu	P101-PI3K,p101	
PKM	pyruvate kinase M1/2	PKM2	pyruvate kinase, muscle	THBP1,OIP3,PK3	
PLA1A	phospholipase A1 member A			ps-PLA1	
PLA2G2A	phospholipase A2 group IIA	PLA2B,PLA2L	phospholipase A2, group IIA (platelets, synovial fluid)		
PLOD2	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2		procollagen-lysine, 2-oxoglutarate 5-dioxy	LH2	lysyl hydroxylase 2,procollagen-lysine 5-dioxy
PMS2	PMS1 homolog 2, mismatch repair system compon	PMSL2	postmeiotic segregation increased (S. cere	H_DJ0042M02.9,HNPCC4,MLH4	
PNOC	prepronociceptin			PNOC,N/OFQ,NOP	nocistatin,orphanin FQ
POLD1	DNA polymerase delta 1, catalytic subunit	POLD	polymerase (DNA directed), delta 1, cataly	CDC2	CDC2 homolog (S. cerevisiae)
POLR2A	RNA polymerase II subunit A	POLR2	polymerase (RNA) II (DNA directed) polype	POLRA,RPB1	DNA-directed RNA polymerase II largest subu
PPARG	peroxisome proliferator activated receptor gamma		peroxisome proliferative activated recept	PPARG1,PPARG2,NR1C3,PPARGgamma	
PPARGC1B	PPARG coactivator 1 beta		peroxisome proliferative activated recept	PERC,PGC1B	PPARGgamma coactivator 1 beta
PRF1	perforin 1		perforin 1 (pore forming protein)	PF1,P1,HPLH2	Perforin,perforin 1 (performing protein)
PRKAA2	protein kinase AMP-activated catalytic subunit alp	PRKAA	protein kinase, AMP-activated, alpha 2 cat	AMPK,AMPKa2	
PRKACB	protein kinase cAMP-activated catalytic subunit beta		protein kinase, cAMP-dependent, catalytic	PKACb	
PRKCA	protein kinase C alpha	PKCA	protein kinase C, alpha		
PRKX	protein kinase, X-linked			PKX1	
PRLR	prolactin receptor				
PROM1	prominin 1	PROML1,MCDR2,STGD4	prominin (mouse)-like 1,macular dystrophy	AC133,CD133,RP41,CORD12	
PRR5	proline rich 5		proline rich 5 (renal)	PP610,FLJ20185k,Protor-1	protein observed with Rictor-1
PSMB10	proteasome subunit beta 10	MECL1	proteasome (prosome, macropain) subunit	LMP10,MGC1665,beta2i	
PSMB5	proteasome subunit beta 5		proteasome (prosome, macropain) subunit	X,MB1	
PSMB8	proteasome subunit beta 8	LMP7	proteasome (prosome, macropain) subunit	RING10,D6S216E,PSMB5i,beta5i	
PSMB9	proteasome subunit beta 9	LMP2	proteasome (prosome, macropain) subunit	RING12,beta1i,PSMB6i	
PSMC4	proteasome 26S subunit, ATPase 4	MIP224	proteasome (prosome, macropain) 26S sub	TBP7,S6,MGC8570,MGC13687,MG	protease 26S subunit 6,Tat-binding protein 7,
PTCD2	pentatricopeptide repeat domain 2			FLJ12598	
PTEN	phosphatase and tensin homolog	BZS,MHAM		MMAC1,TEP1,PTEN1	mutated in multiple advanced cancers 1
PTGER4	prostaglandin E receptor 4		prostaglandin E receptor 4 (subtype EP4)	EP4	
PTGS2	prostaglandin-endoperoxide synthase 2		prostaglandin-endoperoxide synthase 2 (pr	COX2	prostaglandin G/H synthase 2,cyclooxygenase
PTPN11	protein tyrosine phosphatase, non-receptor type 1	NS1	Noonan syndrome 1	BPTP3,SH-PTP2,SHP-2,PTP2C,SHP2	
PTPRC	protein tyrosine phosphatase, receptor type C	CD45		LCA,T200,GP180	
PUM1	pumilio RNA binding family member 1		pumilio homolog 1 (Drosophila)	PUMH1,KIAA0099	
PVR	poliovirus receptor	PVS		CD155,HVED,Necl-5,NECL5,Tage4	nectin-like 5
PVRIG	PVR related immunoglobulin domain containing		poliovirus receptor related immunoglobulin	MGC2463,C7orf15,CD112R	CD112 receptor,nectin-2 receptor
RAD50	RAD50 double strand break repair protein		RAD50 (S. cerevisiae) homolog,RAD50 hom	hRad50,RAD50-2	
RAD51	RAD51 recombinase	RAD51A,RECA	RAD51 (S. cerevisiae) homolog (E. coli RecA	HsRad51,HsT16930,BRCC5,FANCR	BRCA1/BRCA2-containing complex, subunit 5
RAD51C	RAD51 paralog C		RAD51 (S. cerevisiae) homolog C,RAD51 ho	RAD51L2,FANCO	
RASAL1	RAS protein activator like 1		RAS protein activator like 1 (GAP1 like)	RASAL	
RASGRF1	Ras protein specific guanine nucleotide releasing f	GRF1		CDC25L,CDC25,GRF55,H-GRF55,GNRPP13187	
RB1	RB transcriptional corepressor 1	OSRC	osteosarcoma,retinoblastoma 1	RB,PPP1R130	prepro-retinoblastoma-associated protein,pro
RBL2	RB transcriptional corepressor like 2		retinoblastoma-like 2	Rb2,p130	
RELA	RELA proto-oncogene, NF-kB subunit	NFKB3	nuclear factor of kappa light polypeptide g	p65	
RELB	RELB proto-oncogene, NF-kB subunit		v-rel avian reticuloendotheliosis viral onco	REL-B	
RELN	reelin			RL,PRO1598	

REN	renin				
RICTOR	RPTOR independent companion of MTOR complex 2		RPTOR independent companion of MTOR, c	MGC39830,AVO3,PIA,KIAA1999	rapamycin-insensitive companion of mTOR,pi
RIPK1	receptor interacting serine/threonine kinase 1		receptor (TNFRSF)-interacting serine-threc	RIP	receptor-interacting protein kinase 1
RIPK2	receptor interacting serine/threonine kinase 2		receptor-interacting serine-threonine kina	RICK,RIP2,CARDIAK,CARD3	
RIPK3	receptor interacting serine/threonine kinase 3		receptor-interacting serine-threonine kina	RIP3	
RNLS	renalase, FAD dependent amine oxidase	C10orf59	chromosome 10 open reading frame 59	FLJ11218,renalase	
ROBO4	roundabout guidance receptor 4		roundabout homolog 4 (Drosophila),rounda	FLJ20798,MRB,ECSM4	magic roundabout
ROCK1	Rho associated coiled-coil containing protein kinase 1			p160ROCK	
ROR2	receptor tyrosine kinase like orphan receptor 2	NTRKR2,BDB,BDB1	receptor tyrosine kinase-like orphan receptor 2		
RORC	RAR related orphan receptor C		RAR-related orphan receptor C	RZRG,RORG,NR1F3,TOR	
RPL23	ribosomal protein L23			rpL17,L23	
RPL7A	ribosomal protein L7a			SURF3,TRUP,L7A	surfeit 3,PLA-X polypeptide,surfeit locus prot
RPS6KB1	ribosomal protein S6 kinase B1	STK14A	ribosomal protein S6 kinase, 70kD, polypep	S6K1,p70(S6K)-alpha,PS6K	
RPTOR	regulatory associated protein of MTOR complex 1		regulatory associated protein of MTOR, cor	KOG1,Mip1,KIAA1303,raptor	regulatory associated protein of mTOR
RRM2	ribonucleotide reductase regulatory subunit M2		ribonucleotide reductase M2 polypeptide		
RSAD2	radical S-adenosyl methionine domain containing 2			cig5,viperin,vig1	
RUNX3	runt related transcription factor 3	CBFA3	runt-related transcription factor 3	AML2,PEBP2A3	
S100A12	S100 calcium binding protein A12		S100 calcium-binding protein A12 (calgranu	p6,MRP6,CGRP,CAAF1,CAGC,ENRA	extracellular newly identified RAGE-binding p
S100A8	S100 calcium binding protein A8	CAGA,CFAG	S100 calcium-binding protein A8 (calgranul	P8,MRP8,60B8AG,CGLA	
S100A9	S100 calcium binding protein A9	CAGB,CFAG	S100 calcium-binding protein A9 (calgranul	P14,MIF,NIF,LIAG,MRP14,MAC387,60B8AG,CGLB	
SAMD9	sterile alpha motif domain containing 9	C7orf5	chromosome 7 open reading frame 5	KIAA2004,FLJ20073	
SAMSN1	SAM domain, SH3 domain and nuclear localization	signals 1		NASH1,SASH2,SH3D6B,HACS1,SLy2	nuclear localization signals, SAM and SH3 don
SBNO2	strawberry notch homolog 2	KIAA0963	KIAA0963,strawberry notch homolog 2 (Dro	FLJ00173,Stno,Sno	
SDHA	succinate dehydrogenase complex flavoprotein su	SDH2	succinate dehydrogenase complex, subunit	FP,SDHF	succinate dehydrogenase [ubiquinone] flavop
SELE	selectin E	ELAM1,ELAM	endothelial adhesion molecule 1	ESEL,CD62E	
SELL	selectin L	LYAM1,LNHR	lymphocyte adhesion molecule 1	LSEL,LAM1,LAM-1,hLHRC,Leu-8,Lyam-1,PLNHR,CD62L	
SELP	selectin P	GRMP	selectin P (granule membrane protein 140)	CD62,PSEL,PADGEM,GMP140,CD62	antigen CD62,granule membrane protein 140
SERPINA1	serpin family A member 1	PI	serine (or cysteine) proteinase inhibitor, cl	AAT,A1A,PI1,alpha-1-antitrypsin,A	protease inhibitor 1 (anti-elastase), alpha-1-
SERPINB5	serpin family B member 5	PI5	serine (or cysteine) proteinase inhibitor, cl	maspin	protease inhibitor 5 (maspin)
SERPINH1	serpin family H member 1	CBP1,CBP2,SERPINH2	serine (or cysteine) proteinase inhibitor, cl	HSP47,colligen	collagen binding protein 1
SF3A1	splicing factor 3a subunit 1		splicing factor 3a, subunit 1, 120kD,splicin	SF3a120,SAP114,PRPF21,Prp21	
SFRP1	secreted frizzled related protein 1			SARP2,FRP,FRP-1	
SFRP4	secreted frizzled related protein 4		secreted frizzled-related protein 4	frpHE,FRP-4,FRPHE,FRZB-2	
SFXN1	sideroflexin 1			FLJ12876	
SGK1	serum/glucocorticoid regulated kinase 1	SGK	serum/glucocorticoid regulated kinase		
SH2D1A	SH2 domain containing 1A	IMD5,LYP	lymphoproliferative syndrome,SH2 domain	XLP,MTCP1,DSHP,XLPD,EBVS,SAP	Duncan's disease
SHC2	SHC adaptor protein 2		SHC (Src homology 2 domain containing) tr	SLI,SCK,SHCB	neuronal Shc adaptor homolog
SIGLEC1	sialic acid binding Ig like lectin 1	SN	sialoadhesin,sialic acid binding Ig-like lecti	SIGLEC-1,CD169,FLJ00051,FLJ00055,FLJ00073,FLJ32150,dJ1009E24.1,sialoadhe	
SIGLEC5	sialic acid binding Ig like lectin 5	CD33L2	sialic acid binding Ig-like lectin 5	OB-BP2,SIGLEC-5,CD170	
SIGLEC8	sialic acid binding Ig like lectin 8		sialic acid binding Ig-like lectin 8	SIGLEC-8,SAF2,SIGLEC8L,MGC59785	
SIRPA	signal regulatory protein alpha	PTPNS1	protein tyrosine phosphatase, non-recepto	SHPS1,SIRP,MYD-1,BIT,P84,SHPS-1,SIRPalpha,CD172a,SIRPalpha2,MFR,SIRP-ALPH	
SIRPB2	signal regulatory protein beta 2	PTPN1L,PTPNS1L3	protein tyrosine phosphatase, non-recepto	dJ776F14.2	
SLAMF7	SLAM family member 7			CRACC,19A,CS1,CD319	
SLC11A1	solute carrier family 11 member 1	LSH,NRAMP,NRAMP1	solute carrier family 11 (proton-coupled divalent metal ion transporter), me		natural resistance-associated macrophage pr
SLC16A1	solute carrier family 16 member 1		solute carrier family 16 (monocarboxylic ac	MCT,MCT1	
SLC1A5	solute carrier family 1 member 5	RDRC,M7V1	solute carrier family 1 (neutral amino acid	AAAT,ASCT2	
SLC2A1	solute carrier family 2 member 1	GLUT1,GLUT,HTLVR,CSE	human T-cell leukemia virus (I and II) rece	DYT18,DYT9	
SLC7A5	solute carrier family 7 member 5		solute carrier family 7 (amino acid transpo	LAT1,E16,D16S469E,MPE16,CD98	
SMAD5	SMAD family member 5	MADH5	MAD, mothers against decapentaplegic hor	Dwfc,JV5-1	
SMAP1	small ArfGAP 1		stromal membrane-associated protein 1,st	FLJ13159,SMAP-1	
SNAIL	snail family transcriptional repressor 1		snail 1 (drosophila homolog), zinc finger pr	SNA,SLUGH2,SNAH,SNAIL1,SNAIL	
SNCA	synuclein alpha	PARK1,PARK4	Parkinson disease (autosomal dominant, Le	NACP,PD1	non A4 component of amyloid precursor,alpha
SOCS1	suppressor of cytokine signaling 1			SOCS-1,SSI-1,JAB,TIP3,Cish1	
SOX10	SRY-box 10		SRY (sex determining region Y)-box 10,SRY	DOM,WS4,WS2E	dominant megacolon, mouse, human homolo
SOX11	SRY-box 11		SRY (sex determining region Y)-box 11,SRY	box 11	SRY-related HMG-box gene 11
SOX2	SRY-box 2		SRY (sex determining region Y)-box 2,SRY	box 2	
SPIB	Spi-B transcription factor		Spi-B transcription factor (Spi-1/PU.1 relat	SPI-B	
SPP1	secreted phosphoprotein 1	BNSP,OPN	osteopontin,bone sialoprotein I	BSPI,ETA-1	early T-lymphocyte activation 1
SPRY4	sprouty RTK signaling antagonist 4		sprouty homolog 4 (Drosophila)		
SREBF1	sterol regulatory element binding transcription factor 1			SREBP1,bHLHd1,SREBP-1c,SREBP1a	
SRP54	signal recognition particle 54		signal recognition particle 54kDa		
STAT1	signal transducer and activator of transcription 1		signal transducer and activator of transcrip	STAT91,ISGF-3	transcription factor ISGF-3 components p91/f
STAT2	signal transducer and activator of transcription 2		signal transducer and activator of transcrip	STAT113	
STAT3	signal transducer and activator of transcription 3		signal transducer and activator of transcrip	APRF	
STAT4	signal transducer and activator of transcription 4				
STC1	stanniocalcin 1	STC			
STK11IP	serine/threonine kinase 11 interacting protein			LIP1,KIAA1898,LKB1IP,STK11IP1	LKB1 interacting protein
SYK	spleen associated tyrosine kinase		spleen tyrosine kinase		
TAF3	TATA-box binding protein associated factor 3		TAF3 RNA polymerase II, TATA box binding p	TAF140,TAFII140	
TAP1	transporter 1, ATP binding cassette subfamily B me	ABCB2	transporter 1, ATP-binding cassette, sub-fa	PSF1,RING4,D6S114E	
TAP2	transporter 2, ATP binding cassette subfamily B me	ABCB3	transporter 2, ATP-binding cassette, sub-fa	PSF2,RING11,D6S217E	
TAPBP	TAP binding protein		TAP binding protein (tapasin)	TAPA	tapasin
TAPBPL	TAP binding protein like		TAP binding protein-like	TAPBP-R,FLJ10143,TAPBPR	
TBC1D10B	TBC1 domain family member 10B		TBC1 domain family, member 10B	DKFZP434P1750,Rab27A-GAPbeta,FLJ13130,EPI64B	
TBP	TATA-box binding protein	GTF2D1,SCA17		TFIID	
TBX21	T-box 21			TBLYM,T-bet	
TBXAS1	thromboxane A synthase 1		thromboxane A synthase 1 (platelet, cytoc	CYP5,CYP5A1,THAS,TXS,TEXAS,TS	cytochrome P450, family 5, subfamily A, poly
TCF3	transcription factor 3			E2A,ITF1,MGC129647,MGC129648	transcription factor E2-alpha,immunoglobulin
TCL1A	T-cell leukemia/lymphoma 1A			TCL1	
TDO2	tryptophan 2,3-dioxygenase			TDO,TPH2	
TFRC	transferrin receptor		transferrin receptor (p90, CD71)	CD71,TFR1,p90	
TGFB1	transforming growth factor beta 1	TGFB,DPD1	transforming growth factor, beta 1	CED,TGFbeta	Camurati-Engelmann disease,prepro-transfor
TGFB2	transforming growth factor beta 2		transforming growth factor, beta 2		prepro-transforming growth factor beta-2
TGFB3	transforming growth factor beta 3	ARVD1,ARVD	arrhythmogenic right ventricular dysplasia	1,transforming growth factor, bet	prepro-transforming growth factor beta-3
TGFBR1	transforming growth factor beta receptor 1	MSSE,ESS1	multiple self-healing squamous epitheliom	ALK-5,ACVRLK4,ALK5	activin A receptor type II-like kinase, 53kDa
TGFBR2	transforming growth factor beta receptor 2	MFS2	transforming growth factor, beta receptor II	(70/80kDa),transforming growth	factor beta receptor II
THBD	thrombomodulin			CD141	
THBS1	thrombospondin 1			TSP1,THBS,TSP,THBS-1,TSP-1	thrombospondin-1p180
THY1	Thy-1 cell surface antigen			CD90	
TICAM1	toll like receptor adaptor molecule 1		toll-like receptor adaptor molecule 1	TRIF,TICAM-1,MGC35334,PRVTIRB	TIR domain-containing adapter molecule 1
TIE1	tyrosine kinase with immunoglobulin like and EGF	TIE	tyrosine kinase with immunoglobulin and e	JTK14	
TIGIT	T-cell immunoreceptor with Ig and ITIM domains	VSIG9,VSTM3	V-set and immunoglobulin domain containi	FLJ39873,DKFZp667A205	
TLK2	tousled like kinase 2		tousled-like kinase 2	PKU-ALPHA,MGC44450	
TLR1	toll like receptor 1		toll-like receptor 1	rsc786,KIAA0012,CD281	
TLR2	toll like receptor 2		toll-like receptor 2	TIL4,CD282	
TLR3	toll like receptor 3		toll-like receptor 3	CD283	
TLR4	toll like receptor 4		toll-like receptor 4	hToll,CD284,TLR-4,ARMD10	
TLR5	toll like receptor 5	SLEB1	systemic lupus erythematosus susceptibilit	TIL3,FLJ10052,MGC126430,MGC1	Toll/interleukin-1 receptor-like protein 3
TLR7	toll like receptor 7		toll-like receptor 7		
TLR8	toll like receptor 8		toll-like receptor 8	CD288	

TLR9	toll like receptor 9		toll-like receptor 9	CD289	
TMEM140	transmembrane protein 140			FLJ11000	
TMEM173	transmembrane protein 173			FLJ38577,NET23,ERIS,MPYS,STINC	stimulator of interferon genes
TMUB2	transmembrane and ubiquitin like domain containing 2		transmembrane and ubiquitin-like domain	MGC3123	
TNF	tumor necrosis factor	TNFA	tumor necrosis factor (TNF superfamily, m	TNFSF2,DIF,TNF-alpha	TNF superfamily, member 2
TNFAIP3	TNF alpha induced protein 3		tumor necrosis factor, alpha-induced prote	A20,OTUD7C	
TNFAIP6	TNF alpha induced protein 6		tumor necrosis factor, alpha-induced prote	TSG6,TSG-6	
TNFRSF10B	TNF receptor superfamily member 10b		tumor necrosis factor receptor superfamily	DR5,KILLER,TRICK2A,TRAIL-R2,TRICKB,CD262	
TNFRSF10C	TNF receptor superfamily member 10c		tumor necrosis factor receptor superfamily	DcR1,TRAILR3,LIT,TRID,CD263	
TNFRSF10D	TNF receptor superfamily member 10d		tumor necrosis factor receptor superfamily	DcR2,TRUNDD,TRAILR4,CD264	
TNFRSF11A	TNF receptor superfamily member 11a	PDB2,LOH18CR1	tumor necrosis factor receptor superfamily	RANK,CD265,FEO	
TNFRSF11B	TNF receptor superfamily member 11b	OPG	osteoprotegerin,tumor necrosis factor rece	OCIF,TR1	
TNFRSF14	TNF receptor superfamily member 14		tumor necrosis factor receptor superfamily	HVEM,ATAR,TR2,LIGHTR,HVEA,CD	herpesvirus entry mediator
TNFRSF17	TNF receptor superfamily member 17	BCMA	tumor necrosis factor receptor superfamily	BCM,CD269,TNFRSF13A	
TNFRSF18	TNF receptor superfamily member 18		tumor necrosis factor receptor superfamily	AITR,GITR,CD357	
TNFRSF1A	TNF receptor superfamily member 1A	TNFR1	tumor necrosis factor receptor superfamily	TNF-R,TNFAR,TNFR60,TNF-R-I,CD120a,TNF-R55	
TNFRSF1B	TNF receptor superfamily member 1B	TNFR2	tumor necrosis factor receptor superfamily	TNFB,R,TNFR80,TNF-R75,TNF-R-II,p75,CD120b	
TNFRSF25	TNF receptor superfamily member 25	TNFRSF12	tumor necrosis factor receptor superfamily	DR3,TRAMP,WSL-1,LARD,WSL-LR,DDR3,TR3,APO-3	
TNFRSF4	TNF receptor superfamily member 4	TXGP1L	tumor necrosis factor receptor superfamily	ACT35,OX40,CD134	
TNFRSF8	TNF receptor superfamily member 8	CD30,D1S166E	tumor necrosis factor receptor superfamily	KI-1	
TNFRSF9	TNF receptor superfamily member 9	ILA	tumor necrosis factor receptor superfamily	CD137,4-1BB	
TNFSF10	TNF superfamily member 10		tumor necrosis factor (ligand) superfamily,	TRAIL,Apo-2L,TL2,CD253	
TNFSF12	TNF superfamily member 12		tumor necrosis factor (ligand) superfamily,	TWEAK,DR3LG,APO3L	
TNFSF13	TNF superfamily member 13		tumor necrosis factor (ligand) superfamily,	APRIL,CD256	
TNFSF13B	TNF superfamily member 13b	TNFSF20	tumor necrosis factor (ligand) superfamily,	BAFF,THANK,BLYS,TALL-1,TALL1,CD257	
TNFSF18	TNF superfamily member 18		tumor necrosis factor (ligand) superfamily,	AITRL,TL6,hGITRL	
TNFSF4	TNF superfamily member 4	TXGP1	tax-transcriptionally activated glycoprotei	OX-40L,gp34,CD252	
TNFSF8	TNF superfamily member 8	CD30LG	tumor necrosis factor (ligand) superfamily,	CD153	
TNFSF9	TNF superfamily member 9		tumor necrosis factor (ligand) superfamily,	4-1BB-L	receptor 4-1BB ligand,homolog of mouse 4-1B
TNKS	tankyrase		tankyrase, TRF1-interacting ankyrin-relate	TIN1,TINF1,TNKS1,PARP-5a,PARP5	TRF1-interacting ankyrin-related ADP-ribose
TP53	tumor protein p53			p53,LFS1	Li-Fraumeni syndrome
TPI1	triosephosphate isomerase 1				
TPM1	tropomyosin 1	C15orf13,CMH3	chromosome 15 open reading frame 13,cardiomyopathy, hypertrophic 3,tropomyosin 1 (alpha)		
TPSAB1	tryptase alpha/beta 1	TPSB1,TPS1,TPS2	tryptase beta 1		tryptase alpha II,tryptase beta I,tryptase-I,try
TPSB2	tryptase beta 2 (gene/pseudogene)		tryptase beta 2		tryptase beta II,tryptase beta III
TRAF1	TNF receptor associated factor 1			EBI6	
TRAT1	T-cell receptor associated transmembrane adapt	TCRIM	T cell receptor interacting molecule,T cell	HSPC062,TRIM	
TREM1	triggering receptor expressed on myeloid cells 1			TREM-1,CD354	
TREM2	triggering receptor expressed on myeloid cells 2		triggering receptor expressed on myeloid c	TREM-2,Trem2a,Trem2b,Trem2c	
TRIM21	tripartite motif containing 21	SSA1	Sjogren syndrome antigen A1 (52kDa, ribop	RNF81,RO52,Ro/SSA	
TSLP	thymic stromal lymphopoietin				
TTC30A	tetratricopeptide repeat domain 30A			FLJ13946,IFT70A	
TWF1	twinfilin actin binding protein 1	PTK9	protein tyrosine kinase 9,PTK9 protein tyrc	A6	
TWIST1	twist family bHLH transcription factor 1	ACS3,BPES3,TWIST,CRS	blepharophimosis, epicanthus inversus and	SCS,H-twist,BPES2,bHLHa38,CRS1	Saethre-Chotzen syndrome
TWIST2	twist family bHLH transcription factor 2		twist homolog 2 (Drosophila),twist basic he	DERMO1,Dermo-1,bHLHa39	
TYMP	thymidine phosphorylase	MNGIE,ECGF1	endothelial cell growth factor 1 (platelet-	derived)	gliostatin
TYMS	thymidylate synthetase	TS		Tsase,TMS,HsT422	
UBA7	ubiquitin like modifier activating enzyme 7	UBE1L	ubiquitin-activating enzyme E1-like,ubiqui	D8,UBE2,UBA1B	UBA1, ubiquitin-activating enzyme E1 homol
UBB	ubiquitin B			MGC8385,FLJ25987	polyubiquitin B
UBE2C	ubiquitin conjugating enzyme E2 C		ubiquitin-conjugating enzyme E2C	UBCH10	
UBE2T	ubiquitin conjugating enzyme E2 T		ubiquitin-conjugating enzyme E2T	HSPC150,FANCT	
ULBP2	UL16 binding protein 2			RAET1H	
VCAM1	vascular cell adhesion molecule 1			CD106	
VCAN	versican	CSPG2	chondroitin sulfate proteoglycan 2	PG-M	versican proteoglycan
VEGFA	vascular endothelial growth factor A	VEGF	vascular endothelial growth factor	VEGF-A,VPF	
VEGFB	vascular endothelial growth factor B	VRF		VEGFL	
VEGFC	vascular endothelial growth factor C			VRP	vascular endothelial growth factor-related pr
VHL	von Hippel-Lindau tumor suppressor		von Hippel-Lindau syndrome,von Hippel-Li	VHL1	
VSIR	V-set immunoregulatory receptor	C10orf54	chromosome 10 open reading frame 54	SISP1,G124,B7-H5,B7H5,VISTA,PD-	stress induced secreted protein 1,V-domain Ig
VTCN1	V-set domain containing T-cell activation inhibitor 1		V-set domain containing T cell activation i	B7-H4,FLJ22418,B7S1,B7X,B7H4	B7 family member, H4,B7 superfamily membe
WDR76	WD repeat domain 76			FLJ12973	
WNT10A	Wnt family member 10A		wingless-type MMTV integration site family, member 10A		
WNT11	Wnt family member 11		wingless-type MMTV integration site family, member 11		
WNT2	Wnt family member 2	INT1L1	wingless-type MMTV integration site family	IRP	secreted growth factor
WNT2B	Wnt family member 2B	WNT13	wingless-type MMTV integration site family	XWNT2	XWNT2, Xenopus, homolog of,wingless-type M
WNT3A	Wnt family member 3A		wingless-type MMTV integration site family, member 3A		
WNT4	Wnt family member 4		wingless-type MMTV integration site family	WNT-4	
WNT5A	Wnt family member 5A		wingless-type MMTV integration site family	hWNT5A	WNT-5A protein
WNT5B	Wnt family member 5B		wingless-type MMTV integration site family, member 5B		
WNT7B	Wnt family member 7B		wingless-type MMTV integration site family, member 7B		
XCL1	X-C motif chemokine ligand 1	LTN,SCYC1	small inducible cytokine subfamily C, mem	LPTN,ATAC,SCM-1a,SCM-1	lymphotactin
XCL2	X-C motif chemokine ligand 2	SCYC2	small inducible cytokine subfamily C, mem	SCM-1b	
ZAP70	zeta chain of T-cell receptor associated protein ki	SRK	zeta-chain (TCR) associated protein kinase	ZAP-70,STD	tyrosine-protein kinase ZAP-70
ZC3H12A	zinc finger CCCH-type containing 12A			FLJ23231,MCPIP1	MCP induced protein 1
ZEB1	zinc finger E-box binding homeobox 1	TCF8,PPCD3	transcription factor 8 (represses interleuki	BZP,ZEB,AREB6,NIL-2-A,Zfhep,Zfhx1a,FECD6	
ZEB2	zinc finger E-box binding homeobox 2	ZFHX1B	zinc finger homeobox 1b	KIAA0569,SIP-1,SIP1	SMAD interacting protein 1