

nCounter® Human Myeloid Innate Immunity V2 Panel - Gene and Probe Details

Official Symbol	Accession	Alias / Previous Symbol	Official Full Name	Other targets or Isoform information
ABCC8	NM_000352.4	SUR, HRINS, HI, PHHI, SUR1, MRP8, ABC36, HHF1, TNDM2	ATP binding cassette subfamily C member 8	
ACAD10	NM_01136538.1	MCS601	acyl-CoA dehydrogenase family member 10	
ACLY	NM_001096.2	ATPCL, CLATP, ACL	ATP citrate lyase	
ACOD1	NM_001258406.1	CAD	aconitate decarboxylase 1	
ACOT1	NM_001037161.1	ACH2, CTE-1, LACH2	acyl-CoA thioesterase 1	
ACOT11	NM_015547.2	THEA, STARD14, BFIT, KIAA0707, BFIT1, THEM1	acyl-CoA thioesterase 11	
ACOX1	NM_004035.5	PALMCOX	acyl-CoA oxidase 1, palmitoyl	
ADAM19	NM_023038.3	MLTNB	ADAM metallopeptidase domain 19	
ADAM8	NM_001109.4	CD156, MS2, CD156a	ADAM metallopeptidase domain 8	
ADAMT51	NM_006988.3	C3-C5, METH1, KIAA1346	ADAM metallopeptidase with thrombospondin type 1 motif 1	
ADAMT52	NM_030955.2		ADAM metallopeptidase with thrombospondin type 1 motif 12	
ADAMT54	XM_011539300.1		ADAM metallopeptidase with thrombospondin type 1 motif 14	
ADAMT57	NM_139057.2	FLJ32769, FLJ16363	ADAM metallopeptidase with thrombospondin type 1 motif 17	
ADAMT52	NM_021599.2	ADAMT5-3, HPCPN1, PCINP, ADAM-TS2, NPI	ADAM metallopeptidase with thrombospondin type 1 motif 2	
ADAMT53	NM_014243.2	KIAA0366, ADAMT5-4	ADAM metallopeptidase with thrombospondin type 1 motif 3	
ADAMT54	NM_005099.4	KIAA0688, ADAMT5-2, ADMP-1	ADAM metallopeptidase with thrombospondin type 1 motif 4	
ADAMT59	NM_182920.1	KIAA1312	ADAM metallopeptidase with thrombospondin type 1 motif 9	
ADAMT59-AS2	NR_038264.1		ADAMT59 antisense RNA 2	
ADCYAP1R1	NM_001118.3	PAC1, PACAPR, PACIR	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I	
ADGRE1	NM_001974.3	TM7LN3, EMR1	adhesion G protein-coupled receptor E1	
ADGRE5	NM_078481.2	CD97, TM7LN1	adhesion G protein-coupled receptor E5	
ADORA2A	NM_000675.3	ADORA2, RDC8	adenosine A2a receptor	
ADORA3	NM_000677.3	ADORA2	adenosine A3 receptor	
AIF1	NM_03295.1	IRT1, AIF-1, Em:AF129756.17, IBA1	allograft inflammatory factor 1	
AKAP13	NM_006738.4	LBC, HES1, BRX, AKAP-Lbc, c-lbc, PROTO-LB, HA-3, ARHGEF13	A-kinase anchoring protein 13	
ALCAM	NM_001627.3	CD166, MEMD	activated leukocyte cell adhesion molecule	
ALOX15	NM_001140.3	15-LOX-1	arachidonate 15-lipoxygenase	
ALOX5	NM_000698.2	5-LOX	arachidonate 5-lipoxygenase	
ALOX5AP	NM_001629.2	FLAP	arachidonate 5-lipoxygenase activating protein	
ANGPT1	NM_001146.3	KIAA0003, Ang1	angiopoietin 1	
ANGPT2	NM_001147.2	Ang2	angiopoietin 2	
ANOS1	NM_000216.2	KAL, ADMLX, KAL1, KALIG-1, WFDC19	anosmin 1	
ANXA1	NM_000700.1	ANX1, LPC1	annexin A1	
ANXA4	NM_001153.2	ANX4	annexin A4	
AOAH	NM_001633.2		acyloxacyl hydrolase	
APOE	NM_000041.2	AD2	apolipoprotein E	
AREG	NM_001657.2	SDGF, AREGB	amphiregulin	
ARF6	NM_001663.3		ADP-ribosylation factor 6	
ARG1	NM_000045.3		arginase 1	
ARHGEF28	NM_001080479.2	RGNEF, p190RhoGEF, RIP2	Rho guanine nucleotide exchange factor 28	
ARHGEF6	NM_004840.2	MRX46, alphaPIX, Cool-2, KIAA0006, alpha-PIX, Cool2	Rac/Cdc42 guanine nucleotide exchange factor 6	
ATM	NM_018120.5	FLJ10511, Arcp	ataxia telangiectasia mutated	
ATF3	NM_001674.2		activating transcription factor 3	
BAGALT4	NM_003778.3	beta4Gal-T4	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	
BATF	NM_006399.3	B-ATF, SFA-2, BATF1	basic leucine zipper transcription factor, ATF-like	
BATF3	NM_018664.2	JUNDM1, SMTF, JDP1	basic leucine zipper transcription factor, ATF-like 3	
BCL10	NM_003921.2	CARMEN, CIPER, mE10, c-E10, CLAP	B-cell CLL/lymphoma 10	
BCL2	NM_000557.2	Bcl-2, PPI1R50	B-cell CLL/lymphoma 2	
BCL6	NM_001706.2	ZNF51, ZBTB27, LAZ3, BCL5, BCL6A	B-cell CLL/lymphoma 6	
BID	NM_197966.2		BH3 interacting domain death agonist	
BIRC2	NM_001166.3	API1, ciAP1, hiap-2, MIHB, RN48, c-IAP1	baculoviral IAP repeat containing 2	
BIRC3	NM_182962.2	API2, ciAP2, hiap-1, MIHC, RN49, MALT2, c-IAP2	baculoviral IAP repeat containing 3	
BIRC5	NM_001168.2	API4, EPR-1, survivin	baculoviral IAP repeat containing 5	
BMP6	NM_001718.2	VGR, VGR1	bone morphogenetic protein 6	
BMP8A	NM_181809.3		bone morphogenetic protein 8a	
BTG2	NM_006763.2	PC3, TIS21, MGC126063, MGC126064	BTG family member 2	
BTX	NM_000061.1	AGMX1, IMD1, ATK, XLA, PSCTK1	Brunton tyrosine kinase	
BTLA	NM_181780.2	BTLA1, CD272	B and T lymphocyte associated	
CIQA	NM_015991.2		complement component 1, q subcomponent, A chain	
CIQB	NM_000491.3		complement component 1, q subcomponent, B chain	
CIQC	NM_001114101.1	CIQG	complement component 1, q subcomponent, C chain	
C3	NM_000064.2	CPAMD1, ARMD09, C3a, C3b	complement component 3	
CSAR1	NM_004054.2	C3AR, AZ3B	complement component 3a receptor 1	
CAA	NM_007293.2	CPAMD2, C4S, C04, C4, C4A3, C4A2, C4A4, C4A6, C4B, RG	complement component 4A (Rodgers blood group)	C4B_2 (NM_001242823), C4B (NM_001002029)
CS	NM_001735.2	CPAMD4, CSa, CSb	complement component 5	
CSAR1	NM_001736.2	CSR1, CSA, CSAR, CD88	complement component 5a receptor 1	
CLAR	NM_004343.2	RO, SSA, cCiqR, CRT, FLJ26680	calreticulin	
CAMP	NM_004345.3	CAP18, FALL39, FALL-39, LL37	cathelicidin antimicrobial peptide	
CASP1	NM_001223.3	IL1BC, ICE	caspace 1	
CASP10	NM_001230.4	MCH4	caspace 10	
CASP5	NM_004347.1	ICE(Fel)III	caspace 5	
CASP7	NM_001227.3	MCH3, CMH-1, ICE-LAP3	caspace 7	
CAV1	NM_001753.3	CAV	caveolin 1	
CBR1	NM_001757.2	CBR, SDR21C1	carbonyl reductase 1	
CCL1	NM_002981.1	SCYA11, I-309, TCA3, P500, SJSa	chemokine (C-C motif) ligand 1	
CCL11	NM_002986.2	SCYA11, eotaxin, MGC22554	chemokine (C-C motif) ligand 11	
CCL13	NM_005408.2	SCYA13, MCP-4, NCC-1, SCYL1, Ckb10, MGC17134	chemokine (C-C motif) ligand 13	
CCL14	NM_003263.3	SCYA14, HCC-1, HCC-3, NCC-2, SCYL2, Ckb11, MCF	chemokine (C-C motif) ligand 14	
CCL15	NM_003265.3	SCYA15, HCC-2, NCC-3, SCYL3, MIP-5, Lkn-1, MIP-1d, HMRP-2B	chemokine (C-C motif) ligand 15	
CCL16	NM_004500.2	SCYA16, NCC-4, SCYL4, IEC, HCC-4, LMC, LCC-1, Ckb12, Mtn-1	chemokine (C-C motif) ligand 16	
CCL17	NM_002987.2	SCYA17, TARC, ABGD-2	chemokine (C-C motif) ligand 17	
CCL18	NM_002988.2	SCYA18, DC-CK1, PARC, AMAC-1, DCCK1, MIP-4, Ckb7	chemokine (C-C motif) ligand 18	
CCL19	NM_006274.2	SCYA19, ELC, MIP-3b, exodus-3, Ckb11	chemokine (C-C motif) ligand 19	
CCL2	NM_002982.3	SCYA2, MCP1, MCP-1, MCAF, SMC-CF, GDCF-2, HC11, MGC9434	chemokine (C-C motif) ligand 2	
CCL20	NM_004591.1	SCYA20, LARC, MIP-3a, exodus-1, ST38, Ckb4	chemokine (C-C motif) ligand 20	
CCL21	NM_002989.2	SCYA21, SLc, exodus-2, TCA4, Ckb9, 6ckine, ECL	chemokine (C-C motif) ligand 21	
CCL22	NM_002990.3	SCYA22, MDC, STCP-1, ABCD-1, DC/B-CK, A-152E5.1, MGC34554	chemokine (C-C motif) ligand 22	
CCL23	NM_145898.1	SCYA23, Ckb-6, MPIF-1, MIP-3, Ckb8	chemokine (C-C motif) ligand 23	
CCL24	NM_002991.2	SCYA24, Ckb-6, MPIF-2, eotaxin-2, MPIF2	chemokine (C-C motif) ligand 24	
CCL25	NM_005624.2	SCYA25, TECK, Ckb15	chemokine (C-C motif) ligand 25	
CCL26	NM_006072.4	SCYA26, MIP-4alpha, eotaxin-3, IMAC, MIP-4a, TSC-1	chemokine (C-C motif) ligand 26	
CCL27	NM_006664.2	SCYA27, ALP, ILC, CTACK, skinkine, Eskine, PESKY, CTAK	chemokine (C-C motif) ligand 27	
CCL28	NM_148672.2	SCYA28, MEC, CCK1	chemokine (C-C motif) ligand 28	
CCL3	NM_002983.2	SCYA3, GOS19-1, LD78ALPHA, MIP-1-alpha	chemokine (C-C motif) ligand 3	
CCL3L1	NM_021006.4	GOS19-2, LD78BETA, D17S1718, SCYA3L, SCYA3L1	C-C motif chemokine ligand 3 like 1	CCL3 (NM_002983), CCL3L3 (NM_001001437)
CCL4	NM_002984.2	LAG1, SCYA4, MIP-1-beta, Act-2, AT744.1	chemokine (C-C motif) ligand 4	CCL4L1 (NM_207007)
CCL5	NM_002985.2	D17S136E, SCYA5, RANTES, SISd, TCP228, MGC17164	chemokine (C-C motif) ligand 5	
CCL7	NM_006273.2	SCYA6, SCYA7, MCP-3, NC28, FIC, MARC, MCP3	chemokine (C-C motif) ligand 7	
CCL8	NM_005623.2	SCYA8, MCP-2, HC14	chemokine (C-C motif) ligand 8	
CN2B	NM_004701.2	HsT17299	cyclin B2	
CCR1	NM_001295.2	SCYAR1, CMKBR1, CKR-1, MIP1aR, CD191	chemokine (C-C motif) receptor 1	
CCR2	NM_001123041.2	CMKBR2, CC-CKR-2, CKR2, MCP-1-R, CD192, FLJ78302	chemokine (C-C motif) receptor 2	
CCR3	NM_001837.2	CMKBR3, CC-CKR-3, CKR3, CD193	chemokine (C-C motif) receptor 3	
CCR4	NM_005508.4	CC-CKR-4, CMKBR4, CKR4, h5-5, ChemR13, CD194	chemokine (C-C motif) receptor 4	
CCR5	NM_000579.1	CMKBR5, CKR-5, CC-CKR-5, CKR5, CD195, IDDM22	chemokine (C-C motif) receptor 5 (gene/pseudogene)	
CCR6	NM_031409.2	STR122, CKR-L3, GPR-CY4, CMKBR6, GPR29, DRY-6, DCR2, BN-1, CD196	chemokine (C-C motif) receptor 6	
CCR7	NM_001838.2	CMKBR7, EB11, BLR2, CDw197, CD197	chemokine (C-C motif) receptor 7	
CCR8	NM_005201.2	CMKBR8, GPR-9, G, CDw199	chemokine (C-C motif) receptor 8	
CCR9	NM_031200.1	GPR28, GPR-9-6, CDw199	chemokine (C-C motif) receptor 9	
CCR12	NM_003965.4	HCR, CRAM-B, CKRX, CRAM-A, ACKR5	chemokine (C-C motif) receptor-like 2	
CD14	NM_000591.2		CD14 molecule	

CD151	NM_139029.1	SFA-1, PETA-3, TSPAN24, RAPH	CD151 molecule (Raph blood group)
CD163	NM_004244.4	M130, MM130	CD163 molecule
CD180	NM_005582.2	LY64, RP105, Ly78	CD180 molecule
CD1A	NM_001763.2	CD1	CD1a molecule
CD1B	NM_001764.2	CD1	CD1b molecule
CD1C	NM_001765.2	CD1	CD1c molecule
CD1E	NM_001042583.1		CD1e molecule
CD209	NM_001144899.1	DC-SIGN, CDSIGN, DC-SIGN1, CLEC4L	CD209 molecule
CD244	NM_001166663.1	2B4, NAIL, NKR2B4, Nmrk, SLAMF4	CD244 molecule
CD247	NM_198053.2	CD32, CD3H, CD3Q	CD247 molecule
CD27	NM_001242.4	TNFRSF7, S152, Tp55	CD27 molecule
CD274	NM_014143.3	PDCD1LG1, B7-H, B7H1, PD-L1, PDL1, B7-H1	CD274 molecule
CD276	NM_001024736.1	B7-H3, B7H3, B7RP-2	CD276 molecule
CD28	NM_001243078.1		CD28 molecule
CD34	NM_001025109.1		CD34 molecule
CD36	NM_000072.3	SCARB3, GPIV, FAT, GP4, GP3B	CD36 molecule
CD38	NM_001775.2		CD38 molecule
CD40	NM_001250.4	TNFRSF5, p50, Bp50	CD40 molecule
CD40LG	NM_000074.2	HIGM1, IMD3, TNFSF5, CD40L, TRAP, gp39, hCD40L, CD154	CD40 ligand
CD44	NM_001001392.1	MIC4, MDU2, MDU3, IN, MC56, Pgp1, CD44R, HCELL, CSPG8	CD44 molecule (Indian blood group)
CD47	NM_001777.3	MER6, IAP, OAA3	CD47 molecule
CD68	NM_001251.2	SCARD1, macrosialin, GP110, DKFZp686M18236, LAMP4	CD68 molecule
CD69	NM_001781.1	CLEC2C	CD69 molecule
CD70	NM_001252.2	CD27LG, TNFSF7, CD27L	CD70 molecule
CD74	NM_001025159.1	DHLAG	CD74 molecule
CD80	NM_005191.3	CD28LG, CD28LG1, B7-1, B7-1	CD80 molecule
CD83	NM_004233.3	HB15, BL11	CD83 molecule
CD84	NM_003874.3	SLAMF5, hCD84, mCD84	CD84 molecule
CD86	NM_175862.3	CD28LG2, B7-2, B7-2	CD86 molecule
CD99	NM_002414.4	MIC2	CD99 molecule
CDC20	NM_001255.2	p55CDC, CDC20A	cell division cycle 20
CDH1	NM_004360.2	UVO, uvomorulin, CD324, E-cadherin	cadherin 1
CDH11	NM_001797.2	OB, CAD11, OB-cadherin	cadherin 11
CDH13	NM_001220488.1	CDHH, H-cadherin	cadherin 13
CDH2	NM_001792.3	NCAD, CDHN, CD325, N-cadherin	cadherin 2
CDH4	NM_001794.2	R-cadherin	cadherin 4
CDH5	NM_001795.3	7B4, CD144, VE-cadherin	cadherin 5
CDKN1A	NM_000389.2	CDKN1, P21, CIP1, WAF1, SDI1, CAP20, p21Cip1, p21Cip1/Waf1	cyclin-dependent kinase inhibitor 1A (p21, Cip1)
CEACAM1	NM_001712.3	BGP, BGP1, CD66a	carcinoembryonic antigen related cell adhesion molecule 1
CEACAM8	NM_001816.3	CGM6, CD66b	carcinoembryonic antigen related cell adhesion molecule 8
CEBPA	NM_004364.2	CEBP, C/EBP-alpha	CCAAT/enhancer binding protein alpha
CEBPB	NM_005194.2	TCFS, LAP, CRP2, NFIL6, IL6DBP, C/EBP-beta	CCAAT/enhancer binding protein beta
CEBPD	NM_005195.3	CRP3, CELF, C/EBP-delta, NF-IL6-beta	CCAAT/enhancer binding protein delta
CEBPG	NM_001806.2	GPE1BP, IG/EBP-1	CCAAT/enhancer binding protein gamma
CETP	NM_000078.2	BPIFF	cholesterol ester transfer protein, plasma
CLC	NM_001828.4	LGALS10, MGC149659, Gal-10	Charcot-Leyden crystal galectin
CLDN1	NM_021101.3	SEMP1, ILVASC	claudin 1
CLEC1B	NM_016509.3	CLEC2	C-type lectin domain family 1 member B
CLEC5A	NM_013252.2	CLECSF5, MDL-1	C-type lectin domain family 5 member A
CLEC7A	NM_197954.2	CLECSF12, dectin-1, hDectin-1, CD369	C-type lectin domain family 7 member A
CLEC9A	NM_207345.2	UNQ9341, HEE9341, CD370, DNGR-1	C-type lectin domain family 9 member A
CLIC4	NM_013943.2	DKFZP566G223, CLIC4L, P64H1, H1, huH1, p64H1	chloride intracellular channel 4
CMA1	NM_001836.2		chymase 1, mast cell
CNKSR1	NM_006314.2	CNK1, KSR, CNK	connector enhancer of kinase suppressor of Ras 1
CNN2	NM_004368.3		calponin 2
COASY	NM_025233.5	DPCK, NBP, CoASY, PPAT	Coenzyme A synthase
COL10A1	NM_000493.3		collagen type X alpha 1
COL11A1	NM_001854.3	COLL6, STL2, CO11A1	collagen type XI alpha 1
COL12A1	NM_004370.5	COL12A1L	collagen type XII alpha 1
COL14A1	NM_021110.1	UND	collagen type XIV alpha 1
COL15A1	NM_001855.2		collagen type XV alpha 1
COL17A1	NM_000494.3	BPAG2, BP180	collagen type XVII alpha 1
COL1A2	NM_000089.3	O14	collagen type I alpha 2
COL3A1	NM_000090.3	ED5AA	collagen type III alpha 1
COL4A1	NM_001845.4		collagen type IV alpha 1
COL4A2	NM_001846.2	FLJ22259, DKFZp686I14213	collagen type IV alpha 2
CPA3	NM_001870.2		carboxypeptidase A3
CRABP2	NM_001199723.1	CRABP-II	cellular retinoic acid binding protein 2
CREM	NM_181571.2	hCREM-2	cAMP responsive element modulator
CRIP1	NM_001311.4	CRIP	cysteine rich protein 1
CSF1	NM_000757.4	M-CSF, MCSF, MGC31930	colony stimulating factor 1
CSF1R	NM_005211.2	FMS, C-FMS, CSFR, CD115	colony stimulating factor 1 receptor
CSF2	NM_000758.2	GM-CSF, GMCSF	colony stimulating factor 2
CSF2RA	NM_006140.3	CSF2R, CD116	colony stimulating factor 2 receptor alpha subunit
CSF3	NM_000759.3	G-CSF, C17orf33, MGC45931	colony stimulating factor 3
CSF3R	NM_000760.3	CD114, GCSFR	colony stimulating factor 3 receptor
CSTB	NM_000100.2	EPM1, STFB, CST6, PME	cystatin B
CTGF	NM_001901.2	IGFBP8, CCN2	connective tissue growth factor
CTLA4	NM_005214.3	CELIAC3, IDDM12, CD152, CD, GSE, CD28, ICOS	cytotoxic T-lymphocyte associated protein 4
CTNNB1	NM_001098210.1	CTNNB, beta-catenin, armadillo	catenin beta 1
CTSA	NM_001127695.1	GSL, PPG8	cathepsin A
CTSD	NM_001909.3	CPSD, CLN10	cathepsin D
CTSG	NM_001911.2	CG	cathepsin G
CTSL	NM_001912.4	CTSL1, FLJ31037	cathepsin L
CTSS	NM_004079.3		cathepsin S
CTTNBP2	NM_033427.2	CORTBP2, C7orf8, KIAA1758, Orf4	cortactin binding protein 2
CX3CL1	NM_002996.3	SCYD1, NTN, C3XKine, ABCD-3, CX3C, CX3, fractalkine, neurotactin	chemokine (C-X3-C motif) ligand 1
CX3CR1	NM_001337.3	GPR13, CMKBR11, CMKDR1, V28, CCR1	chemokine (C-X3-C motif) receptor 1
CXCL1	NM_001511.1	MGSA, GRO1, FSP, SCYB1, GROa, MGSA-a, NAP-3	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
CXCL10	NM_001565.3	INP10, SCYB10, IFI10, IP-10, crg-2, mob-1, C7, gIP-10	chemokine (C-X-C motif) ligand 10
CXCL11	NM_005409.4	SCYB9b, SCYB11, H174, b-R1, I-TAC, IP-9	chemokine (C-X-C motif) ligand 11
CXCL12	NM_199168.3	SDF1A, SDF1B, SDF1, SCYB12, SDF-1a, SDF-1b, PBSE, TLSF-a, TLSF-b, TPARI	chemokine (C-X-C motif) ligand 12
CXCL13	NM_006419.2	SCYB13, BLC, BCA-1, BLR1L, ANGIE, ANGIE2	chemokine (C-X-C motif) ligand 13
CXCL14	NM_004887.4	SCYB14, BRAK, NJAC, bolekine, Kec, MIP-2g, BMAC, K51	chemokine (C-X-C motif) ligand 14
CXCL16	NM_001100812.1	SR-PSOX, CXCLG16, SRPSOX	chemokine (C-X-C motif) ligand 16
CXCL2	NM_002089.3	GRO2, SCYB2, GROb, MIP-2a, MGSA-b, CINC-2a	chemokine (C-X-C motif) ligand 2
CXCL3	NM_002090.2	GRO3, SCYB3, GROg, MIP-2b, CINC-2b	chemokine (C-X-C motif) ligand 3
CXCL5	NM_002994.3	SCYB5, ENA-78	chemokine (C-X-C motif) ligand 5
CXCL6	NM_002993.3	SCYB6, GCP-2, CKA-3	chemokine (C-X-C motif) ligand 6
CXCL8	NM_000584.2	IL8, SCYB8, LUCT, LECT, MDNCF, TSG-1, IL-8, NAP-1, 3-10C, MONAP, AMCF-1,	chemokine (C-X-C motif) ligand 8
CXCL9	NM_002416.1	LYNAP, NAF, b-ENAP, GCP-1, K60, GCP1, NAP1	chemokine (C-X-C motif) ligand 9
CXCR1	NM_000634.2	CMK, MIG, SCYB9, Humig, crg-10	chemokine (C-X-C motif) receptor 1
CXCR2	NM_001168298.1	CMKAR1, IL8RA, CKR-1, CDw128a, CD181	chemokine (C-X-C motif) receptor 2
CXCR3	NM_001504.1	IL8RB, CMKAR2, CD182	chemokine (C-X-C motif) receptor 3
CXCR4	NM_003467.2	GPR9, CKR-L2, CMKAR3, IP10-R, MjgR, CD183	chemokine (C-X-C motif) receptor 4
CXCR5	NM_001716.3	LESTR, NPY3R, HM89, NPY3R, D2S201E, fusin, HSY3RR, NPYR, CD184	chemokine (C-X-C motif) receptor 5
CXCR6	NM_006564.1	BLR1, MDR15, CD185	chemokine (C-X-C motif) receptor 6
CYBB	NM_000397.3	TYMSTR, STRL33, BONZO, CD186	chemokine (C-X-C motif) receptor 7
CYP11B1	NM_000104.3	CGD, GP91-PHOX, NOX2	cytochrome b-245, beta polypeptide
CYP3A4	NM_017460.5	GLCA3, CP18	cytochrome P450 family 3 subfamily B member 1
CYP3A4	NM_017460.5	CYP3A3	cytochrome P450 family 3 subfamily A member 4

CYR61	NM_001554.3	IGFBP10, GIG1, CCN1	cysteine rich angiogenic inducer 61	
CYSLTR1	NM_006639.2	CysLT1, CysLT(1), CYSLTR1	cysteinyl leukotriene receptor 1	
CYTIP	NM_004288.4	PSCDBP, B3-1, HE, CYBR, CASP, CYTHIP	cytohesin 1 interacting protein	
DAGLB	NM_139179.3	KCCR13L, DAGLBETA	diacylglycerol lipase, beta	
DAXX	NM_001350.3	DAP6	death-domain associated protein	
DDR2	NM_006182.2	TYRO10, NTRKR3, TKT	discoidin domain receptor tyrosine kinase 2	
DES	NM_001927.3	CMD11, CSM1, CSM2	desmin	
DHR53	NM_004753.4	retSDR1, Rsdrl, SDR1, RDH17, SDR16C1	dehydrogenase/reductase (SDR family) member 3	
DNAJB6	NM_005494.2	LGMD1D, MRJ	DnaJ heat shock protein family (Hsp40) member B6	
DPP4	NM_001935.3	CD26, ADCP2, DPPV1	dipeptidyl peptidase 4	
DUSP1	NM_004417.2	PTPN10, HVH1, CL100, MKP-1	dual specificity phosphatase 1	
DUSP2	NM_004418.3	PAC-1	dual specificity phosphatase 2	
DUSP6	NM_001946.2	MKP-3, PYST1	dual specificity phosphatase 6	
EDN1	NM_001168319.1	ET1	endothelin 1	
EGF	NM_001963.4		epidermal growth factor	
EGR2	NM_000399.3	KROX20	early growth response 2	
EGR3	NM_004430.2	P1LOT	early growth response 3	
E1F4EBP2	NM_004096.4		eukaryotic translation initiation factor 4E binding protein 2	
ELANE	NM_001972.2	ELA2, NE, HNE, HLE	elastase, neutrophil expressed	
ELL2	NM_012081.5		elongation factor RNA for polymerase II 2	
ELOVL6	NM_001130721.1	FLJ23378, MGC5487, LCE	ELOVL fatty acid elongase 6	
EMP1	NM_001423.1	TMP, CL-20	epithelial membrane protein 1	
EN1	NM_001426.3		engrailed homeobox 1	
ENC1	NM_003633.2	NRPB, PIG10, ENC-1, TP53110, KHLH37	ectodermal-neural cortex 1	
ENPEP	NM_001977.3	gp160, CD249	glutamyl aminopeptidase	
ENPP2	NM_001040092.2	PONP2, ATX, PD-IALPHA	ectonucleotide pyrophosphatase/phosphodiesterase 2	
EPHB6	NM_004445.3	HEP	EPH receptor B6	
EPX	NM_000502.4	EPO, EPP, EPX-PEN	eosinophil peroxidase	
ERCC1	NM_001983.3	RAD10	excision repair cross-complementation group 1	
ERG	NM_001136155.1	erg-3, p55	v-ets avian erythroblastosis virus E26 oncogene homolog	sub-maximal variant coverage due to non-overlapping transcripts
ETS1	NM_005238.3	EWSR2, FLJ10768, ETS-1	v-ets avian erythroblastosis virus E26 oncogene homolog 1	
F11R	NM_144503.1	JAM1, PAM-1, JCAM, JAM-1, JAM-A, JAMA, CD321	F11 receptor	
FABP4	NM_001442.2	A-FABP, ap2	fatty acid binding protein 4	
FADD	NM_003824.2	MORT1, GIG3	Fas associated with death domain	
FAF1	NM_007051.2	CGI-03, hFAF1, HFAP1s, UBXD12, UBXN3A	Fas associated factor 1	
FAS	NM_000043.4	FAS1, APT1, TNFRSF6, CD95, APO-1	Fas cell surface death receptor	
FASN	NM_004104.4	FAS, SDR27X1	fatty acid synthase	
FBP1	NM_000507.3	FBP	fructose-bisphosphatase 1	
FBXL7	NM_012304.3	KIAA0840, FBL7, FBL6	F-box and leucine-rich repeat protein 7	
FCAR	NM_002000.2	CD89	Fc fragment of IgA receptor	
FCER1A	NM_002001.2	FCE1A	Fc fragment of IgE receptor Ia	
FCER2	NM_002002.4	CD23A, FCE2, CLEC4I, CD23	Fc fragment of IgE receptor II	
FCGR1A	NM_000566.3	CD64, CD64A	Fc fragment of IgG receptor Ia	
FCGR2A	NM_021642.3	FCG2, FCGR2A1, FCGR2, CD32, CD32A, IGFR2, Cdw32	Fc fragment of IgG receptor IIa	
FCGR2B	NM_001002273.1	FCG2, FCGR2, CD32, CD32B	Fc fragment of IgG receptor IIb	
				FCGR3B (NM_001271035;NM_001244753;NM_001271036;NM_001271037;NM_000570)
FCGR3A	NM_000569.6	FCGR3, FCG3, CD16, CD16a	Fc fragment of IgG receptor IIIa	
FCN1	NM_002003.3	FCNM	ficolin 1	
FEM1C	NM_020177.2	KIAA1785, EUROIMAGE686608, EUROIMAGE783647, FEM1A	fem-1 homolog c (C. elegans)	
FGF10	NM_004465.1		fibroblast growth factor 10	
FGF18	NM_003862.1	FGF-18, ZFGF5	fibroblast growth factor 18	
FGF2	NM_002006.4	FGFB	fibroblast growth factor 2	
FGF7	NM_002009.3	KGF	fibroblast growth factor 7	
FGFR1	NM_015850.3	FLT2, KAL2, H2, H3, H4, H5, CEK, FLG, BFGFR, N-SAM, CD331	fibroblast growth factor receptor 1	
FLNB	NM_001164317.1	FLN1L, LRS1, TAP, TABP, ABP-278, FH1	filamin B	
FLRT2	NM_013231.4		fibronectin leucine rich transmembrane protein 2	
FLT1	NM_002019.4	FLT, VEGFR1	fms related tyrosine kinase 1	
FLT3	NM_004119.2	STK1, FLK2, CD135	fms related tyrosine kinase 3	
FN1	NM_212482.1	MSF, CIG, LETS, GFND2, FINC	fibronectin 1	
FOSB	NM_006732.1	GOS3, GOSB, GOS3, AP-1, MGC42291, DKFZp686C0818	FBJ murine osteosarcoma viral oncogene homolog B	
FOSL1	NM_005438.3	fra-1	FOS like antigen 1	
FPR1	NM_002029.3	FPR, FMLP	formyl peptide receptor 1	
FPR2	NM_001462.3	FPRL1, LXA4R, HM63, FPR2, FMLPX, FPR2A, FMLP-R-II, ALXR	formyl peptide receptor 2	
FPR3	NM_002030.3	FPRL2, FPRH1, FMLPY, RMLP-R-I	formyl peptide receptor 3	
FSCN1	NM_003088.2	SNL, p55, FLJ38511	fascin actin-bundling protein 1	
FURIN	NM_002569.2	PCSK3, FUR, PACE, SPC1	furin (paired basic amino acid cleaving enzyme)	
FUT4	NM_002033.3	CD15, FCT3A, ELFT, FUC-TIV	fucosyltransferase 4	
FYN	NM_002037.3	SYN, SLK, MGC45350	FYN proto-oncogene, Src family tyrosine kinase	
FZD4	NM_012193.2	EVRI, CD344	frizzled class receptor 4	
FZD6	NM_003506.2	Hfz6	frizzled class receptor 6	
FZD9	NM_003508.2	FZD3, CD349	frizzled class receptor 9	
GADD45B	NM_015675.2	MVD118, GADD45BETA, DKFZP566B133	growth arrest and DNA damage inducible beta	
GATA1	NM_002049.2	GF1, ERYF1, NFE1, GATA-1, NF-E1	GATA binding protein 1 (globin transcription factor 1)	
GATA2	NM_032638.3	NFE1B	GATA binding protein 2	
GATA3	NM_001002295.1	HDR	GATA binding protein 3	
GATA6	NM_005257.3		GATA binding protein 6	
GCH1	NM_000161.2	GCH, DYT5, DYT14, GTPCH1, DYT5a	GTP cyclohydrolase 1	
GEM	NM_005261.2	KIR	GTP binding protein overexpressed in skeletal muscle	
GK5	NM_001039547.2	MGC40579	glycerol kinase 5 (putative)	
GLG1	NM_001145666.1	MG-160, ESL-1, CFR-1	golgi glycoprotein 1	
				guanine nucleotide binding protein (G protein), alpha inhibiting activity
GNAI3	NM_006496.1	87U6	polypeptide 3	
GOLIM4	NM_014498.3	GOLPH4, GPP130, GIMPC, P138	golgi integral membrane protein 4	
GPR183	NM_004951.3	EBI2	G protein-coupled receptor 183	
GPR65	NM_003608.2	hTDAG8, TDAG8	G protein-coupled receptor 65	
GRN	NM_002087.2	PCDGF, PGRN, CLN11	granulin	
GSN	NM_000177.4	DKFZp313L0718	gelsolin	
GT2H2	NM_001515.2	BT2, TFIIH, BTF2P44, T-BTF2P44, p44	general transcription factor IIH subunit 2	GT2H2C (NM_001098728), GT2H2C_2 (NM_001042490)
GZMA	NM_006144.2	HFSF, CTLA3	granzyme A	
HAVCR1	NM_001173393.1	HAVCR-1, TIM-1, TIM1, HAVCR, TIMD1, CD365, KIM1	hepatitis A virus cellular receptor 1	
HAVCR2	NM_032782.3	Tim-3, TIM3, FLJ14428, TIMD3, CD366	hepatitis A virus cellular receptor 2	
HBEFG	NM_001945.1	HEGFL, DTS, DTR	heparin binding EGF like growth factor	
HDAC5	NM_005474.4	KIAA0600, NY-CO-9, FLJ90614	histone deacetylase 5	
HDAC6	NM_001321225.1	KIAA0901, JM21, HD6, FLJ16239, PPP1R90	histone deacetylase 6	
HDC	NM_002112.3		histidine decarboxylase	
HES1	NM_005524.2	HRV, FLJ20408, HES-1, Hes1, bHLHb39	hes family bHLH transcription factor 1	
HES4	NM_001142467.1	bHLHb42	hes family bHLH transcription factor 4	
HGF	NM_000601.4	DFNB39, SF, F-TCF, HGFb, HPTA	hepatocyte growth factor	
				hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
HIF1A	NM_001530.2	MOP1, HIF-1alpha, PASD8, HIF1, bHLHe78	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	
HIP1R	NM_003959.2	KIAA0655, HIP3, HIP12, FLJ14000, ILWEQ	huntingtin interacting protein 1 related	
HIST1H1C	NM_005319.3	H1F2, H1.2, H1s-1, H1c	histone cluster 1, H1c	
HIST2H2AA3	NM_003516.2	H2AF0, HIST2H2AA, H2A.2, H2A/q	histone cluster 2, H2aa3	HIST2H2AC (NM_003517)
HIVEP1	NM_002114.2	ZNF40, CIRP, MBP-1, CRYBP1, PRDII-BF1, ZAS1, Schnurri-1, ZNF40A	human immunodeficiency virus type I enhancer binding protein 1	
HLA-DMA	NM_006120.3	D6S222E, RING6	major histocompatibility complex, class II, DM alpha	
HLA-DMB	NM_002118.3	D6S221E, RING7	major histocompatibility complex, class II, DM beta	
HLA-DOB	NM_002120.3		major histocompatibility complex, class II, DO beta	
HLA-DPA1	NM_033554.2	HLA-DPA1	major histocompatibility complex, class II, DP alpha 1	
HLA-DPB1	NM_002121.4	HLA-DPB1	major histocompatibility complex, class II, DP beta 1	
HLA-DQA1	NM_002122.3	HLA-DQA, CELIAC1	major histocompatibility complex, class II, DQ alpha 1	
				probe will not target DQB1*02:01:01:01 allele due to significant sequence variability
HLA-DQB1	NM_002123.3	HLA-DQB, IDDM1, CELIAC1	major histocompatibility complex, class II, DQ beta 1	

HLA-DRA	NM_019111.3	HLA-DRA1	major histocompatibility complex, class II, DR alpha	
HLA-DRB3	NM_02255.3	HLA-DR3B	major histocompatibility complex, class II, DR beta 3	HLA-DRB4 (NM_021983), HLA-DRB1 (NM_001243965;NM_002124), HLA-DRB5 (NM_002125)
HMG1B	NM_002128.4	HMG1, HMG3, SBP-1, DKFZp686A04236	high mobility group box 1	
HNF1B	NM_000458.3	TCF2, LFB3, VHNF1, HNF1beta, MODY5	HNF1 homeobox B	
HOXD4	NM_014621.2	HOXD4B, HOXA4	homeobox D4	
HPGD	NM_001145816.2	SDR36C1	hydroxyprostaglandin dehydrogenase 15-(NAD)	
HPGDS	NM_014485.2	GSTS, PGDS, H-PGDS, PGD2, GSTS1-1, GSTS1	hematopoietic prostaglandin D synthase	
HRAS	NM_005343.2	HRAS1	Harvey rat sarcoma viral oncogene homolog	
HSPG2	NM_005529.5	SIS1, perlecan, PRCAN	heparan sulfate proteoglycan 2	
ICAM1	NM_000201.2	BB2, CD54	intercellular adhesion molecule 1	
ICOS	NM_012092.2	AILIM, CD278	inducible T-cell co-stimulator	
ICOSLG	NM_015259.5	ICOSL, KIAA0653, GL50, B7-H2, B7RP-1, B7H2, B7RP1, ICOS-1, CD275	inducible T-cell co-stimulator ligand	
ID1	NM_002165.2	di857M17.1.2, bHLHb24	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	
ID2	NM_002166.4	GIG8, bHLHb26	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	
ID3	NM_002167.3	HEIR-1, bHLHb25	inhibitor of DNA binding 3, dominant negative helix-loop-helix protein	
IDO1	NM_002164.3	IDO, INDO	indoleamine 2,3-dioxygenase 1	
IDO2	NM_194294.2	INDOL1	indoleamine 2,3-dioxygenase 2	
IER3	NM_003897.3	IEX-1, DIF-2, PRG1, IEX-1L	immediate early response 3	
IFIT1	NM_001548.3	G10P1, IFI56, IFNA1, GARG-16	interferon induced protein with tetratricopeptide repeats 1	
IFNA2	NM_000605.3	IFNA, IFN-alphaA	interferon, alpha 2	
IFNAR1	NM_000629.2	IFNAR, IFRC	interferon alpha and beta receptor subunit 1	
IFNAR2	NM_000874.3	IFNABR	interferon alpha and beta receptor subunit 2	
IFNB1	NM_002176.2	IFNB, IFB, IFF	interferon, beta 1, fibroblast	
IFNG	NM_000619.2		interferon, gamma	
IFNGR1	NM_000416.2	IFNGR, CD119	interferon gamma receptor 1	
IGF1	NM_000618.3	IGF1A, IGF1, IGF-1	insulin like growth factor 1	
IGF2	NM_000612.4	C11orf43, FLI44734, IGF-II	insulin like growth factor 2	
IKBKE	NM_014002.2	IKKE, IKK-1, KIAA0151	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon	
IKZF1	NM_006060.4	ZNFN1A1, hlk-1, Lyf-1, Hs.54452, IKAROS, PPP1R92	IKAROS family zinc finger 1	
IL10	NM_000572.2	CSIF, TGIF, IL10A, IL-10	interleukin 10	
IL10RA	NM_001558.2	IL10R, HIL-10R, CDW210A, CD210a, CD210	interleukin 10 receptor subunit alpha	
IL12A	NM_000882.2	NKSF1, CLMF, IL-12A, p35, NFSK	interleukin 12A	
IL12B	NM_002187.2	NKSF2, CLMF, IL-12B, NKSF, CLMF2	interleukin 12B	
IL13	NM_002188.2	P600, IL-13, ALRH, BHR1, MGC116786, MGC116788, MGC116789	interleukin 13	
IL15	NM_172174.1	IL-15, MGC9721	interleukin 15	
IL15RA	NM_002189.3	CD215, IL-15RA	interleukin 15 receptor subunit alpha	
IL17RA	NM_014339.4	IL17R, hIL-17R, IL-17RA, CDw217, CD217	interleukin 17 receptor A	
IL18	NM_001562.2	IGIF, IL1F4, IL-1g, IL-18	interleukin 18	
IL18R1	NM_003855.3	IL18RRP, IL-18rp, CD218a	interleukin 18 receptor 1	
IL1A	NM_000575.3	IL1, IL1F1, IL-1A, IL1-ALPHA	interleukin 1 alpha	
IL1B	NM_000576.2	IL1F2, IL-1B, IL1-BETA	interleukin 1 beta	
IL1R1	NM_001320984.1	IL1R, IL1RA, D2S1473, CD121A	interleukin 1 receptor, type I	
IL1R2	NM_173343.1	IL1RB, CD121b	interleukin 1 receptor, type II	
IL1RAP	NM_001167928.1	IL-1RAcP, IL1R3, C3orf13	interleukin 1 receptor accessory protein	
IL1RL1	NM_016232.4	ST2, FIT-1, ST2L, ST2V, DER4, T1, IL33R	interleukin 1 receptor like 1	
IL1RN	NM_000577.3	IL1RA, ICIL-1RA, IL1F3, IRAP, IL-1RN, MGC10430	interleukin 1 receptor antagonist	
IL2	NM_000586.2	IL-2, TCGF	interleukin 2	
IL21R	NM_181079.4	CD360	interleukin 21 receptor	
IL22	NM_020525.4	ILTIF, IL-21, zcyto18, IL-TIF, IL-D110, TIFa, TIFIL-23, IL-22, MGC79382, MGC79384	interleukin 22	
IL23A	NM_016584.2	SGRF, IL23P19, IL-23, IL-23A, P19	interleukin 23 subunit alpha	
IL25	NM_022789.2	IL17E, IL-25, IL-17E	interleukin 25	
IL27	NM_145659.3	IL30, IL-27, p28, IL27p28, IL-27A, IL27A, MGC71873	interleukin 27	
IL27RA	NM_004843.3	WSX-1, TCCR, CRL1, WSX1, zcytor1, IL-27R	interleukin 27 receptor subunit alpha	
IL3	NM_000588.3	IL-3, MULTI-CSF, MCGF, MGC79398, MGC79399	interleukin 3	
IL33	NM_033439.2	C9orf26, DV527, DKFZp586H0523, NF-HEV, IL1F11	interleukin 33	
IL3RA	NM_001267713.1	CD123	interleukin 3 receptor subunit alpha	
IL4	NM_000589.3	BSF1, IL-4, BCGF1, BCGF-1, MGC79402	interleukin 4	
IL4I1	NM_152899.1	FIG1	interleukin 4 induced 1	
IL4R	NM_000418.3	CD124	interleukin 4 receptor	
IL5	NM_000879.2	IL-5, EDF, TRF	interleukin 5	
IL5RA	NM_000564.3	IL5R, CDw125, CD125	interleukin 5 receptor subunit alpha	
IL6	NM_000600.3	IFNB2, IL-6, BSF2, HGF, HSF	interleukin 6	
IL6R	NM_000565.2	CD126	interleukin 6 receptor	
IL9	NM_000590.1	IL-9, HP40, P40	interleukin 9	
INSIG1	NM_005542.3	CL-6, MGC1405	insulin induced gene 1	
INSR	NM_000208.2	CD220	insulin receptor	
IRF1	NM_002198.1	MAR	interferon regulatory factor 1	
IRF2	NM_002199.3		interferon regulatory factor 2	
IRF3	NM_001571.5		interferon regulatory factor 3	
IRF4	NM_002460.1	MUM1, LSIRF	interferon regulatory factor 4	
IRF5	NM_001098627.1		interferon regulatory factor 5	
IRF7	NM_001572.3		interferon regulatory factor 7	
IRF8	NM_002163.2	ICSBP1, IRF-8, ICSBP	interferon regulatory factor 8	
ISG15	NM_005101.3	G1P2, IFI15, UCRP	ISG15 ubiquitin-like modifier	
ITGA4	NM_000885.4	CD49D, CD49d	integrin subunit alpha 4	
ITGA5	NM_002205.2	FNRA, CD49e	integrin subunit alpha 5	
ITGAL	NM_002209.2	CD11A, LFA-1	integrin subunit alpha L	
ITGAM	NM_000632.3	CR3A, CD11B, MAC-1, CD11b	integrin subunit alpha M	
ITGAX	NM_000887.3	CD11C, CD11c	integrin subunit alpha X	
ITGB1	NM_002211.3	FNRB, MSK12, MDF2, CD29, GPIIA	integrin subunit beta 1	
ITGB2	NM_000211.2	CD18, MF17, LFA-1, MAC-1	integrin subunit beta 2	
ITGB7	NM_000889.1		integrin subunit beta 7	
JAG1	NM_000214.2	AGS, JAGL1, AHD, AWS, HJ1, CD339	jagged 1	
JAK3	NM_000215.2	L-JAK, JAKL, LIAK, JAK3_HUMAN, JAK-3	Janus kinase 3	
JAML	NM_153206.2	AMICA1, Gm638, AMICA	junction adhesion molecule like	
JUN	NM_002228.3	c-Jun, AP-1	jun proto-oncogene	
KALRN	NM_001024660.1	HAPIP, duo, Hs.8004, TRAD, DUET, Kalirin, ARHGEF24	kalirin, RhoGEF kinase	sub-maximal variant coverage due to non-overlapping transcripts
KCNAB1	NM_172159.3	AKR6A3, KCNA1B, hKvBeta3, Kv1.3, hKvb3	potassium voltage-gated channel subfamily A member regulatory beta subunit 1	
KIAA0101	NM_014736.5	PClaf, NSSATP9, OEATC-1, p15(PAF), PAF15	PCNA clamp associated factor	
KIAA1671	NM_001145206.1		KIAA1671	
KIF20A	NM_005733.2	RAB6KIFL	kinesin family member 20A	
KIT	NM_000222.2	PBT, CD117, SCFR, C-Kit	KIT proto-oncogene receptor tyrosine kinase	
KITLG	NM_003994.4	MGF, SCF, SF, Kitl, KL-1, FPH2	KIT ligand	
KLF10	NM_005655.3	TIEG, EGRA, TIEG1	Kruppel-like factor 10	
KLFA	NM_004235.4	EZF, GKLF	Kruppel-like factor 4 (gut)	
KLK3	NM_001030049.1	APS, PSA	kallikrein related peptidase 3	
KLRK1	NM_007360.1	D1252489E, NKG2D, KLR, NKG2-D, CD314	killer cell lectin like receptor K1	
KRBA1	NM_003254.2	KIAA1862	KRAB-A domain containing 1	
LAG3	NM_002286.5	CD223	lymphocyte activating 3	
LAMB2	NM_002292.3	LAMS, NPH55	laminin subunit beta 2	
LAMB3	NM_000228.2	LAMNB1, ncein-125kDa, kalinin-140kDa, BM600-125kDa	laminin subunit beta 3	
LAMP3	NM_014398.3	LAMP, TSC403, DC-LAMP, DCLAMP, CD208	lysosomal associated membrane protein 3	
LAPTM5	NM_006762.2		lysosomal protein transmembrane 5	
LAT	NM_001014987.1	LAT1	linker for activation of T-cells	
LAT2	NM_014146.3	WBSCLR15, WBSCLR5, WBSCLR5, HSPC046, LAB, NTAL	linker for activation of T-cells family member 2	
LDLR	NM_000527.2	LDLQC2	low density lipoprotein receptor	
LGALS3	NM_001177388.1	LGALS2, MAC-2, GALIG	lectin, galactoside-binding, soluble, 3	
LIF	NM_002309.3	CDF, DIA, HILDA	leukemia inhibitory factor	
LIPA	NM_000235.3	LAL, CESD	lipase A, lysosomal acid	

LOXL2	NM_002318.2	WS9-14	lysyl oxidase like 2
LPL	NM_000237.2	LIPD	lipoprotein lipase
LRP5	NM_002335.1	LRP7, OPPG, EVR1, LR3, BMND1, HBM, OPS, OPTA1, VBCH2, EVR4	LDL receptor related protein 5
LRP6	NM_002336.1	ADCAD2	LDL receptor related protein 6
LST1	NM_007161.3	LST-1, B144, D6549E	leukocyte specific transcript 1
LTA	NM_000595.2	TNFB, TNFSF1, LT	lymphotoxin alpha
LTA4H	NM_001256643.1		leukotriene A4 hydrolase
LTB	NM_002341.1	TNFC, p33, TNFSF3	lymphotoxin beta
LTB4R	NM_181657.3	P2RY7, GPR16, CMKRL1, BLTR, P2Y7, LT84R1	leukotriene B4 receptor
LTB4R2	NM_019839.4	BLTR2, BLT2, JULF2, NOP9	leukotriene B4 receptor 2
MAFB	NM_005461.3	KRML	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog B
MAFF	NM_001161572.1	hMaff	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog F
MALT1	NM_006785.2	MLT, PCA5P1	MALT1 paracaspase
MAN2B1	NM_001173498.1	MANB, LAMAN	mannosidase alpha class 2B member 1
MAP2K1	NM_002755.2	PRKMK1, MEK1, MAPKK1	mitogen-activated protein kinase kinase 1
MAP2K2	NM_030662.3	PRKMK2, MEK2	mitogen-activated protein kinase kinase 2
MAP2K3	NM_145109.1	PRKMK3, MEK3, MKK3, MAPKK3	mitogen-activated protein kinase kinase 3
MAP2K4	NM_003010.2	SERK1, MEK4, JNKK1, PRKMK4, MKK4	mitogen-activated protein kinase kinase 4
MAP3K14	NM_003954.1	NIK, HSNIK, FTDCR1B, HS	mitogen-activated protein kinase kinase kinase 14
MAP3K4	NM_005922.2	MEKK4, MTK1, MAPKKK4, KIAA0213	mitogen-activated protein kinase kinase kinase 4
MAPK11	NM_002751.6	PRKM11, p38-2, p38Beta, SAPK2	mitogen-activated protein kinase 11
MAPK12	NM_002969.3	SAPK3, ERK6, PRKM12, p38gamma, SAPK-3	mitogen-activated protein kinase 12
MAPK13	NM_002754.3	PRKM13, SAPK4, p38delta	mitogen-activated protein kinase 13
MAPK14	NM_001315.2	CSBP1, CSBP1, CSBP2, PRKM14, p38, Mxi2, PRKM15	mitogen-activated protein kinase 14
MARCKSL1	NM_023009.5	MLP, F52, MacMARCKS, MLP1	MARCKS-like 1
MARCO	NM_006770.3	SCARA2	macrophage receptor with collagenous structure
MCM5	NM_006739.3	CDC46	minichromosome maintenance complex component 5
MERTK	NM_006343.2	mer, RP38, c-Eyk, Tyro12	MER proto-oncogene, tyrosine kinase
MET	NM_001127500.1	HGFR, RCP2, DFN87	MET proto-oncogene, receptor tyrosine kinase
MIF	NM_002415.1	GLIF, GIF	macrophage migration inhibitory factor (glycosylation-inhibiting factor)
MMP1	NM_002421.3	CLG	matrix metalloproteinase 1
MMP10	NM_002425.1	STMY2	matrix metalloproteinase 10
MMP12	NM_002426.3	HME	matrix metalloproteinase 12
MMP13	NM_002427.2	CLG3	matrix metalloproteinase 13
MMP19	NM_002429.5	MMP18, RASI-1	matrix metalloproteinase 19
MMP8	NM_002424.2	CLG1	matrix metalloproteinase 8
MMP9	NM_004994.2	CLG4B	matrix metalloproteinase 9
MOB3C	NM_145279.4	MOBK12C, MOB1E	MOB kinase activator 3C
MOK	NM_014226.2	RAGE, RAGE1, STK30	MOK protein kinase
MPEG1	NM_001039396.1	MPG1	macrophage expressed 1
MPO	NM_000250.1		myeloperoxidase
MRC1	NM_002438.2	MRC1L1, CLEC13D, CD206, bA54119.1, CLEC13DL	mannose receptor, C type 1
MRC2	NM_006039.3	KIAA0709, ENDO180, CLEC13E, CD280	mannose receptor, C type 2
MS4A1	NM_152866.2	CD20, B1, Bp35, MS4A2	membrane spanning 4-domains A1
MS4A2	NM_000139.3	FCER1B, IGER, APY, MS4A1	membrane spanning 4-domains A2
MSC	NM_005098.3	ABF-1, bHLHa22	musculin
MSH2	NM_000251.1	COCA1, HNPCC, HNPCC1	mutS homolog 2
MX1	NM_002462.2	IFI-78K, Mxa	MX dynamin-like GTPase 1
MX2	NM_002463.1	MXB	MX dynamin-like GTPase 2
MYC	NM_002467.3	c-Myc, bHLHe39, MYCC	v-myc avian myelocytomatosis viral oncogene homolog
MYD88	NM_002468.3		myeloid differentiation primary response 88
MYH4	NM_017533.2	MYH2B, MyHC-2B, MyHC-1Ib	myosin, heavy chain 4, skeletal muscle
MYO11	NM_002478.4	MYF3, PUM, MYOD, bHLHc1	myogenic differentiation 1
NAMPT	NM_005746.2	PBEF1, PBEF	nicotinamide phosphoribosyltransferase
NCF2	NM_000433.3	p67phox, NOXA2	neutrophil cytosolic factor 2
NCOR1	NM_006311.3	N-CoR, hCIT52910, TRAC1, hn-CoR, KIAA1047, MGC104216, PPP1R109	nuclear receptor corepressor 1
NDC80	NM_006101.2	KNTC2, HEC, HEC1, hsNDC80, TID3	NDC80 kinetochore complex component
NDUFA7	NM_005001.2	B14.5a	NADH:ubiquinone oxidoreductase subunit A7
NECTIN1	NM_203285.1	PVRL1, CD111, CLPEDI1, HlgR, nectin, OFC7, PRR, PRR1, PVRR1, SK-12, ED4, HVEC	nectin cell adhesion molecule 1
NECTIN2	NM_001042724.1	HVEB, PVRL2, CD112, PRR2, PVRR2	nectin cell adhesion molecule 2
NFATC1	NM_172389.1	NF-ATC, NFATC, NFAT2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
NFATC2	NM_012340.3	NF-ATP, NFATp, NFAT1	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2
NFIL3	NM_005384.2	IL3BP1, E4BP4, NFIL3A, NF-IL3A	nuclear factor, interleukin 3 regulated
NFKB1	NM_003998.2	KB1, p105, NFKB-p50, p50, NF-kappaB, NfkappaB, NF-kB1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
NFKBIA	NM_020529.1	NFKBI, IKBA, MAD-3, IkappaBalpha	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
NFKBIE	NM_004556.2	IKBE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon
NFKBIZ	NM_001005474.1	MAIL, FLJ34463, INAP	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta
NFYC	NM_001142587.1	CBF-C, NF-YC	nuclear transcription factor Y subunit gamma
NGF	NM_002506.2	NGFB	nerve growth factor (beta polypeptide)
NKG7	NM_005601.3	GIG1, GMP-17	natural killer cell granule protein 7
NLRP3	NM_001079821.2	Clorf7, CIAS1, AGTAVPRL, Ail, AVP, FCAS, FCU, NALP3, PYPAF1, MWS, CLR1.1	NLR family, pyrin domain containing 3
NMB	NM_021077.3	MGC2277, MGC3936, MGC17211	neuromedin B
NOD1	NM_006092.2	CARD4, NLRC1, CLR7.1	nucleotide binding oligomerization domain containing 1
NOD2	NM_022162.2	IBD1, CARD15, BLAU, CD, PSORAS1, CLR16.3, NLR2	nucleotide binding oligomerization domain containing 2
NOS2	NM_000625.4	NOS2A, iNOS, NOS, HEP-NOS	nitric oxide synthase 2
NOX1	NM_007052.4	NOH1, NOH-1, MOX1, GP91-2	NADPH oxidase 1
NOX3	NM_015718.2	GP91-3	NADPH oxidase 3
NOX4	NM_001143836.2	KOX-1, KOX	NADPH oxidase 4 sub-maximal variant coverage due to non-overlapping transcripts
NR1H3	NM_005693.2	LXR-a, RLD-1	nuclear receptor subfamily 1 group H member 3
NR2F6	NM_005234.3	ERBAL2, EAR-2	nuclear receptor subfamily 2 group F member 6
NR4A1	NM_173157.1	HMR, GFRP1, TR3, N10, NAK-1, NGFIB, NUR77	nuclear receptor subfamily 4 group A member 1
NR4A2	NM_006186.3	NURR1, TINUR, NOT, RNR1, HZF-3	nuclear receptor subfamily 4 group A member 2
NRIP3	NM_020645.2	C11orf14	nuclear receptor interacting protein 3
OLR1	NM_002543.3	LOX-1, SCARE1, CLEC8A	oxidized low density lipoprotein (lectin-like) receptor 1
OSCAR	NM_130771.3		osteoclast associated, immunoglobulin-like receptor
OSM	NM_020530.4	MGC20461	oncostatin M
P2RX1	NM_002558.2	P2X1	purinergic receptor P2X 1
PBX1	NM_002585.2		pre-B-cell leukemia homeobox 1
PBX3	NM_006195.5		pre-B-cell leukemia homeobox 3
PDCC1	NM_005018.2	SLEB2, CD279, PD1, hSLE1, PD-1	programmed cell death 1
PDCC1L2	NM_025239.3	PD-L2, Btdc, PDL2, bA574F11.2, CD273, B7-DC	programmed cell death 1 ligand 2
PDE4A	NM_006202.2	DPDE2	phosphodiesterase 4A
PDGFA	NM_002607.5	PDGFI, PDGF-A	platelet derived growth factor subunit A
PDGFB	NM_033016.2	SIS, SSV	platelet derived growth factor subunit B
PDGFRA	NM_006206.3	CD140a, PDGFR2, GAS9	platelet derived growth factor receptor alpha
PDZK1IP1	NM_005764.3	DO96, MAP17, SPAP	PDZK1 interacting protein 1
PELI1	NM_020651.3		pellino E3 ubiquitin protein ligase 1
PF4	NM_002619.3	SCYB4, CXCL4	platelet factor 4
PFND6	NM_014260.2	HKE2, KE-2, H2-KE2, PFD6	prefoldin subunit 6
PGGT1B	NM_005023.3	GGT1, BGGI	protein geranylgeranyltransferase type I subunit beta
PGLYRP1	NM_005091.1	TNFSF3L, PGLYRP, TAG7, PGRP, PGRP-S, PGRPS	peptidoglycan recognition protein 1
PHLDA2	NM_003311.3	TSSC3, IPL, BWR1C, HLDA2	pleckstrin homology like domain family A member 2
PIK3CG	NM_002649.2		phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma
PIM2	NM_006875.2		Pim-2 proto-oncogene, serine/threonine kinase
PLAU	NM_002658.2	URK, UPA	plasminogen activator, urokinase
PLAUR	NM_001005376.1	URKR, UPAR, CD87	plasminogen activator, urokinase receptor
PPARG	NM_005037.5	PPARG1, PPARG2, NR1C3, PPARGgamma	peroxisome proliferator activated receptor gamma

PRDX1	NM_002574.2	PAGA, NKEFA	peroxiredoxin 1
PRDX3	NM_014098.3	AOP1, MERS, AOP-1, SP-22	peroxiredoxin 3
PRG2	NM_002728.4	MBP, BMPG	proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein)
PRG3	NM_006093.3	MBPH	proteoglycan 3
PRKCA	NM_002737.2	PKCA	protein kinase C alpha
PRKCI	NM_002740.4	DXS1179E, PKCI	protein kinase C iota
PROK2	NM_021935.3	PK2, BV8, MIT1, KAL4	prokineticin 2
PROS1	NM_000313.1	PROS	protein 5 (alpha)
PRRX1	NM_022716.2	PMX1, PHOX1	paired related homeobox 1
PSMB8	NM_004159.4	LMP7, RING10, D6S216E, PSMB5i, beta5i	proteasome subunit beta 8
PSMB9	NM_002800.4	LMP2, RING12, beta1i, PSMB6i	proteasome subunit beta 9
PSME2	NM_002818.2	PA28beta	proteasome activator subunit 2
PTAFR	NM_000952.3		platelet-activating factor receptor
PTGDR	NM_000953.2	DP, DP1, PTGDR1	prostaglandin D2 receptor (DP)
PTGDR2	NM_004778.1	GPR44, CRTH2, CD294, DP2	prostaglandin D2 receptor 2
PTGDS	NM_000954.5	PGDS, L-PGDS	prostaglandin D2 synthase
PTGER2	NM_000956.2	EP2	prostaglandin E receptor 2
PTGS1	NM_000962.2	COX1, PGHS-1, PTGHS	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)
PTGS2	NM_000963.1	COX2	prostaglandin-endoperoxide synthase 2
PTPN14	NM_005401.4	PEZ	protein tyrosine phosphatase, non-receptor type 14
PTPRB	NM_002837.4	PTPB	protein tyrosine phosphatase, receptor type B
PTPRC	NM_080923.2	CD45, LCA, T200, GP180	protein tyrosine phosphatase, receptor type C
PTPRK	NM_001135648.1	R-PTP-kappa	protein tyrosine phosphatase, receptor type K
PTX3	NM_002852.3	TNFAIP5, TSG-14	pentraxin 3
PYCARD	NM_013258.3	TMS-1, CARDS, ASC	PYD and CARD domain containing
RAB20	NM_017817.1	FLI20429	RAB20, member RAS oncogene family
RAB3D	NM_004283.3	GOV, RAB16, D2-2, RAD3D	RAB3D, member RAS oncogene family
RAD51	NM_133487.2	RAD51A, RECA, HsRad51, HsT16930, BRCC5, FANCR	RAD51 recombinase
RAF1	NM_002880.2	Raf-1, c-Raf, CRAF	Raf-1 proto-oncogene, serine/threonine kinase
RAPGEF4	NM_007023.3	cAMP-GEFII, CGEF2	Rap guanine nucleotide exchange factor 4
RASAL1	NM_004658.1	RASAL	RAS protein activator like 1 (GAP1 like)
RASGRF2	NM_006090.2	GRF2, Ras-GRF2	Ras protein specific guanine nucleotide releasing factor 2
RBP1	NM_002899.3	CRABP-1, CRBP1, CRBP, RBPC, CRBPI	retinol binding protein 1
RETNLB	NM_032579.2	HXCP2, FIZZ2, RELMB	resistin like beta
RGL1	NM_001297669.1	RGL	ral guanine nucleotide dissociation stimulator-like 1
RGS1	NM_002922.3	IER1, IR20, IR20, BL34	regulator of G-protein signaling 1
RGS16	NM_002928.2	A28-RGS14, RGS-r	regulator of G-protein signaling 16
RGS6	NM_001204420.1		regulator of G-protein signaling 6
RHOC	NM_175744.4	ARH9, ARHC, RhoC	ras homolog family member C
RHOG	NM_001665.3	ARHG, RhoG, MGC125835, MGC125836	ras homolog family member G
RHOJ	NM_020663.4	RASL7B, ARHJ, FLJ14445, TCL	ras homolog family member J
RICTOR	NM_152756.3	MGC39830, AVO3, PIA, KIAA1999	RPTOR independent companion of mTOR, complex 2
RIN2	NM_018993.2	RASSF4	Ras and Rab interactor 2
RIPK2	NM_003821.5	RICK, RIP2, CARDIAK, CARD3	receptor interacting serine/threonine kinase 2
RNASE2	NM_002934.2	RNS2, EDN, RAF3	ribonuclease A family member 2
RNASE3	NM_002935.2	RNS3, ECP, RAF1	ribonuclease A family member 3
RND3	NM_005168.3	ARHE, RhoE, Rho8	Rho family GTPase 3
ROS1	NM_002944.2	MCF3, ROS, c-ros-1	ROS proto-oncogene 1, receptor tyrosine kinase
RUNX2	NM_001024630.3	CCD, CBAF1, CCD1, AML3, PEBP2A1, PEBP2A1	run1 related transcription factor 2
S100A10	NM_002966.1	ANX2LG, CAL1L, P11, 42C, CLP11	S100 calcium binding protein A10
S100A11	NM_005620.1	S100C	S100 calcium binding protein A11
S100A4	NM_002961.2	MTS1, CAPL, P9KA, 18A2, PEL98, 42A, FSP1	S100 calcium binding protein A4
S100A8	NM_002964.3	CAGA, CFAG, P8, MRP8, 6088AG, CGLA	S100 calcium binding protein A8
S100A9	NM_002965.2	CAGB, CFAG, P14, MIF, NIF, LIAG, MRP14, MAC387, 6088AG, CGLB	S100 calcium binding protein A9
S1PR1	NM_001400.3	EDG1, edg-1, D1S3362, CD363	sphingosine-1-phosphate receptor 1
SAA1	NM_199161.1	SAA, PIG4, TP53I4	serum amyloid A1
SCIN	NM_033128.3	KIAA1905	scinderin
SELE	NM_000450.2	ELAM1, ELAM, ESEL, CD62E	selectin E
SELL	NR_029467.1	LYAM1, LNHR, LSEL, LAM1, LAM-1, hLHRc, Leu-8, Lyam-1, PLNHR, CD62L	selectin L
SELP	NM_003005.2	GRMP, CD62, PSEL, PADGEM, GMP140, CD62P	selectin P
SELPLG	NM_003006.3	PSGL-1, CD162	selectin P ligand
SEMA4A	NM_001193300.1	SEMA6B, SemB, FLJ12287, CORD10	semaphorin 4A
SEMA4B	NM_020210.3	SEMAC, SemC, KIAA1745, MGC131831	semaphorin 4B
SEMA5A	NM_003966.2	SEMAF, semF	semaphorin 5A
SEMA6D	NM_153617.1	KIAA1479, FLJ11598	semaphorin 6D
SERINC2	NM_018565.3	TDE2L, FKS684, PRO0899, TDE2	serine incorporator 2
SERPIN2	NM_002575.1	PLANH2, PAI2, HST1201	serpin peptidase inhibitor, clade B (ovalbumin), member 2
SERPIN6	NM_004568.4	PI6, DFNB91, PTI, CAP	serpin peptidase inhibitor, clade B (ovalbumin), member 6
SERPIN7	NM_001040147.1	MEGSIN	serpin peptidase inhibitor, clade B (ovalbumin), member 7
SERPIN9	NM_004155.3	PI9, CAP3	serpin peptidase inhibitor, clade B (ovalbumin), member 9
SERPINE1	NM_000602.4	PLANH1, PAI1, PAI	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1
SERPINE3	NM_001101320.1		serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 3
SESN1	NM_014454.2	SEST1, PA26	sestrin 1
SFRP4	NM_003014.2	frpHE, FRP-4, FRPHE	secreted frizzled-related protein 4
SGPP1	NM_030791.3		sphingosine-1-phosphate phosphatase 1
SIGLEC1	NM_023068.3	SN, SIGLEC-1, CD169, FLJ00051, FLJ00055, FLJ00073, FLJ32150, dJ1009E24.1,	sialic acid binding Ig like lectin 1
SIGLEC5	NM_003830.2	CD33L2, OB-BP2, SIGLEC-5, CD170	sialic acid binding Ig like lectin 5
SIRPA	NM_080792.2	PTPNS1, SHPS1, SIRP, MYD-1, BIT, P84, SHPS-1, SIRPalpa, CD172a,	signal regulatory protein alpha
SKI	NM_003036.2	SIRPalpa2, MFR, SIRP-ALPHA-1	SKI proto-oncogene
SKIL	NM_005414.2	SNO, SnoN, SnoA	SKI-like proto-oncogene
SLC16A6	NM_001174166.1	MCT6, MCT7	solute carrier family 16 member 6
SMAD1	NM_005900.2	MADH1, MADR1, JV4-1	SMAD family member 1
SMAD2	NM_005901.5	MADH2, MADR2, JV18-1	SMAD family member 2
SMAD7	NM_005904.2	MADH8, MADH7	SMAD family member 7
SMARCD3	NM_001003801.1	BAF60C, Rsc6p, CRACD3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3
SOC1	NM_003745.1	SOC1-1, SSI-1, JAB, TIP3, Cish1	suppressor of cytokine signaling 1
SOC2	NM_003877.3	STAT12, SSI2, SOC2-2, SSI-2, CIS2, Cish2	suppressor of cytokine signaling 2
SOC3	NM_003955.3	SSI-3, CIS3, SOC3-3, Cish3	suppressor of cytokine signaling 3
SP4	NM_003112.3	SPR-1, HF1B, MGC130008, MGC130009	Sp4 transcription factor
SPHK1	NM_021972.2	SPHK	sphingosine kinase 1
SPRY2	NM_005842.2	hSPRY2	sprouty RTK signaling antagonist 2
SPTBN1	NM_003128.2		spectrin beta, non-erythrocytic 1
SQSTM1	NM_003900.3	PDB3, OSIL, p62, p60, p62B, A170	sequestosome 1
STAB1	NM_015136.2	KIAA0246, STAB-1, FEEL-1, CLEVER-1, FELE-1, FE1	stabilin 1
STAT1	NM_139266.1	STAT91, ISGF-3	signal transducer and activator of transcription 1
STAT3	NM_003150.3	APRF	signal transducer and activator of transcription 3 (acute-phase response factor)
STAT4	NM_003151.2		signal transducer and activator of transcription 4
STAT5A	NM_003152.3	STAT5, MGF	signal transducer and activator of transcription 5A
STAT5B	NM_012448.3		signal transducer and activator of transcription 5B
STAT6	NM_003153.3	D12S1644, IL-4-STAT	signal transducer and activator of transcription 6, interleukin-4 induced
STK17A	NM_004760.2	DRAK1	serine/threonine kinase 17a
SYK	NM_003177.5		spleen tyrosine kinase
TAP1	NM_000593.5	ABC2B, PSF1, RING4, D6S114E	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
TAP2	NM_000544.3	ABC2B, PSF2, RING11, D6S217E	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
TAPBP	NM_003190.4	TAPA	TAP binding protein (tapasin)
TEK	NM_000459.3	VMCM, TIE2, TIE-2, VMCM1, CD202b	TEK receptor tyrosine kinase

TEP1	NM_007110.3	TP1, TLP1, VAULT2, p240, TROVE1	telomerase associated protein 1
TERF2IP	NM_018975.2	RAP1	telomeric repeat binding factor 2, interacting protein
TFCP2	NM_005653.3	CP2, LSF, LBP-1C, TFPC2C	transcription factor CP2
TGFA	NM_003236.2		transforming growth factor alpha
TGFB1	NM_000660.3	TGFB, DPD1, CED, TGFbeta	transforming growth factor beta 1
TGFBR3	NM_003243.3	betaglycan, BGCAN	transforming growth factor beta receptor III
TGM2	NM_004613.2	TGC	transglutaminase 2
THBD	NM_000361.2	CD141	thrombospondin
TIGIT	NM_173799.2	VSIG9, VSTM3, FLJ39873, DKFZp667A205	T-cell immunoreceptor with Ig and ITIM domains
TIMD4	NM_138379.1		T-cell immunoglobulin and mucin domain containing 4
TIMP3	NM_000362.4	SFD	TIMP metalloproteinase inhibitor 3
TLR1	NM_003263.3	rsc786, KIAA0012, CD281	toll like receptor 1
TLR10	NM_030956.2	CD290	toll like receptor 10
TLR2	NM_003264.3	TIL4, CD282	toll like receptor 2
TLR3	NM_003265.2	CD283	toll like receptor 3
TLR4	NM_138554.2	hToll, CD284, TLR-4, ARMD10	toll like receptor 4
TLR5	NM_003268.5	SLEB1, TIL3, FLJ10052, MGC126430, MGC126431	toll like receptor 5
TLR6	NM_000668.2	CD286	toll like receptor 6
TLR7	NM_016562.3		toll like receptor 7
TLR8	NM_016610.2	CD288	toll like receptor 8
TLR9	NM_017442.2	CD289	toll like receptor 9
TM7SF3	NM_016551.2		transmembrane 7 superfamily member 3
TMEM173	NM_198282.1	FLJ38577, NET23	transmembrane protein 173
TNC	NM_002160.3	HXB, DFNA56, TN, MGC167029	tenascin C
TNF	NM_000594.2	TNFA, TNFSF2, DIF, TNF-alpha	tumor necrosis factor
TNFAIP3	NM_006290.2	A20, OTUD7C	TNF alpha induced protein 3
TNFAIP6	NM_007115.2	TSG6, TSG-6	TNF alpha induced protein 6
TNFAIP8	NM_001077654.1	GG2-1, MDC-3,13, SCC-52	TNF alpha induced protein 8
TNFRSF11A	NM_003839.3	PDB2, LOH18CR1, RANK, CD265, FEO	tumor necrosis factor receptor superfamily member 11a
TNFRSF12A	NM_016639.1	FN14, TweakR, CD266	tumor necrosis factor receptor superfamily member 12A
TNFRSF14	NM_003820.3	HVEM, ATAR, TR2, LIGHTR, HVEA, CD270	tumor necrosis factor receptor superfamily member 14
TNFRSF15A	NM_001065.2	TNFR1, TNF-R, TNFAR, TNFR60, TNF-R-I, CD120a, TNF-R55	tumor necrosis factor receptor superfamily member 1A
TNFRSF1B	NM_001066.2	TNFR2, TNFR, TNFR80, TNF-R75, TNF-R-II, p75, CD120b	tumor necrosis factor receptor superfamily member 1B
TNFRSF4	NM_003327.3	TGXP1L, ACT35, OX40, CD134	tumor necrosis factor receptor superfamily member 4
TNFRSF8	NM_152942.2	CD30, D15166E, KI-1	tumor necrosis factor receptor superfamily member 8
TNFRSF9	NM_001561.4	ILA, CD137, 4-1BB	tumor necrosis factor receptor superfamily member 9
TNFSF10	NM_003810.2	TNFR1L, Apo-2L, TL2, CD253	tumor necrosis factor superfamily member 10
TNFSF4	NM_003326.2	TGXP1, OX-40L, gp34, CD252	tumor necrosis factor superfamily member 4
TNFSF9	NM_003811.3	4-1BB-L	tumor necrosis factor superfamily member 9
TOP2A	NM_001067.3	TOP2	topoisomerase (DNA) II alpha
TPSAB1	NM_003294.3	TPSB1, TPS1, TPS2	tryptase alpha/beta 1
TRAF1	NM_005658.3	EBI6	TNF receptor associated factor 1
TRAF2	NM_021138.3	TRAP3	TNF receptor associated factor 2
TRAF6	NM_145803.2	RNF85	TNF receptor associated factor 6
TRAFD1	NM_001143906.1	FLN29	TRAF-type zinc finger domain containing 1
TREM1	NM_001242589.1	TREM-1, CD354	triggering receptor expressed on myeloid cells 1
TREM2	NM_018965.3	TREM-2, Trem2a, Trem2b, Trem2c	triggering receptor expressed on myeloid cells 2
TREX1	NM_016381.3	AGS1, DRN3	three prime repair exonuclease 1
TRIM9	NM_015163.5	SPRING, RNF91	tripartite motif containing 9
TSPAN7	NM_004615.3	MXS1, TM4SF2, MRX58, DXS1692E, TALLA-1, A15, CD231	tetraspanin 7
TSPAN8	NM_004616.2	TM4SF3, CO-029	tetraspanin 8
TTK	NM_003318.3	MPS1, MPS1L1, CT96, MPH1	TTK protein kinase
TUBA1A	NM_001270399.1	TUBA3, B-ALPHA-1, FLJ25113	tubulin alpha 1a
TUBA4A	NM_006000.1	TUBA1, FLJ30169, H2-ALPHA	tubulin alpha 4a
TWISTNB	NM_001002926.1		TWIST neighbor
TXN	NM_003329.2	TRX	thioredoxin
TXNDC16	NM_001160047.1	KIAA1344	thioredoxin domain containing 16
TYROBP	NM_003332.3	PLOSL, DAP12, PLO-SL, KARAP	TYRO protein tyrosine kinase binding protein
USP18	NM_017414.3		ubiquitin specific peptidase 18
VAMP2	NM_014232.2	SYB2, VAMP-2	vesicle associated membrane protein 2
VASP	NM_003370.3		vasodilator-stimulated phosphoprotein
VAV1	NM_005428.2	VAV	vav guanine nucleotide exchange factor 1
VAV2	NM_001134398.1		vav guanine nucleotide exchange factor 2
VCAM1	NM_001078.3	CD106	vascular cell adhesion molecule 1
VEGFA	NM_001025366.1	VEGF, VEGF-A, VPF	vascular endothelial growth factor A
VEGFC	NM_005429.2	VRP	vascular endothelial growth factor C
VRK2	NM_006296.3		vaccinia related kinase 2
VSIR	NM_022153.1	VISTA, C10orf54, B7-H5, B7H5, GI24, PD-1H	V-set immunoregulatory receptor
VTCN1	NM_024626.2	B7-H4, FLJ22418, B7S1, B7X, B7H4	V-set domain containing T cell activation inhibitor 1
VWASA	NM_001130142.1	LOH11CR2A, BCSC-1	von Willebrand factor A domain containing 5A
WAS	NM_000377.2	IMD2, THC, WASP, WASPA	Wiskott-Aldrich syndrome
XCR1	NM_005283.2	GPR5, CXCR1	chemokine (C motif) receptor 1
YAP1	NM_001130145.2	YAP65	Yes associated protein 1
YES1	NM_005433.3	Yes, c-yes, Hst441	YES proto-oncogene 1, Src family tyrosine kinase
ZFP92	NM_001136273.1	ZNF897	ZFP92 zinc finger protein
ZMPSTE24	NM_005857.3	FACE-1, Ste24p, STE24, HGPS, PRO1	zinc metalloproteinase STE24
ZNF148	NM_021964.1	BERF-1, ZBP-89, BFCOL1, HT-BETA, ZFP148, pHZ-52	zinc finger protein 148
ZNF77	NM_021217.2	pT1	zinc finger protein 77
ZNRF2	NM_147128.3	RNF202	zinc and ring finger 2, E3 ubiquitin protein ligase
Internal Reference Genes			
ABCF1	NM_001090.2	ABCS5, EST123147	ATP binding cassette subfamily F member 1
AGK	NM_018238.3	MULK, FLJ10842	acylglycerol kinase
ALAS1	NM_000688.4	ALAS3, ALAS	5'-aminolevulinatase synthase 1
AMMECR1L	NM_031445.2	MGC4268	AMMECR1 like
CC2D1B	NM_032449.2	KIAA1836	coiled-coil and C2 domain containing 1B
CNOT10	NM_001256741.1	FLJ12890, FLJ13165	CCR4-NOT transcription complex subunit 10
CNOT4	NM_001190848.1	NOT4, CLONE243, NOT4H	CCR4-NOT transcription complex subunit 4
COG7	NM_153603.3		component of oligomeric golgi complex 7
DDX50	NM_024045.1	GU2, MGC3199, GUB, RH-II/GuB	DEAD-box helicase 50
DHX16	NM_001164239.1	DDX16, DBP2, Prp2, PRPF2	DEAH-box helicase 16
DNAJC14	NM_032364.5	DNAJ, DRIP78, HDJ3, LIP6, FLJ32792	DnaJ heat shock protein family (Hsp40) member C14
EDC3	NM_001142443.1	YJDC, FLJ21128, hYjeF_N2-15q23, YJEFN2, LSM16	enhancer of mRNA decapping 3
EIF2B4	NM_172195.3	EIF2Bdelta, EIF-2B, DKFZP586J0119, EIF2B	eukaryotic translation initiation factor 2B subunit delta
ERCC3	NM_000122.1	XPB, BTF2, RAD25, TFIIH, GTF2H	excision repair cross-complementation group 3
FCF1	NM_015962.4	C14orf111, CGI-35, Bka, UTP24	FCF1 rRNA-processing protein
G6PD	NM_000402.2	G6PD1	glucose-6-phosphate dehydrogenase
GPATCH3	NM_022078.2	GPATC3, FLJ12455	G-patch domain containing 3
GUSB	NM_000181.3		glucuronidase, beta
HDAC3	NM_003883.3	RPD3, HD3, RPD3-2	histone deacetylase 3
HPRT1	NM_000194.1	HPRT, HGPRT	hypoxanthine phosphoribosyltransferase 1
MRP55	NM_031902.3	MRP-55, S5mt	mitochondrial ribosomal protein 55
MTMR14	NM_022485.3	C3orf29, FLJ22405, FLJ90311, hJumpy, hEDTP	myotubularin related protein 14
NOL7	NM_016167.3	C6orf90, PQBP3, NOP27, RARG-1, dj223E5.2	nucleolar protein 7
NUBP1	NM_002484.3	NBP1, NBP35	nucleotide binding protein 1
POLR2A	NM_000937.2	POLR2, POLRA, RPB1	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa
PPIA	NM_021130.3	CYPA	peptidylprolyl isomerase A
PRPF38A	NM_032864.3	FLJ14936, Prp38	pre-mRNA processing factor 38A
SAP130	NM_024545.3	FLJ12761	Sin3A associated protein 130kDa
SDHA	NM_004168.1	SDH2, FP, SDHF	succinate dehydrogenase complex flavoprotein subunit A
SF3A3	NM_006802.2	SF3a60, SAP61, PRP9, PRPF9	splicing factor 3a subunit 3
TBP	NM_001172085.1	GTF2D1, SCA17, TFIIID	TATA-box binding protein
TLK2	NM_011524223.1	PKU-ALPHA, MGC44450	tousled like kinase 2
			PPIAL4D (NM_001164261), PPIAL4G (NM_001123068), PPIAL4E (NM_001144032), PPIAL4A (NM_001143883), PPIAL4C (NM_001135789)

TMUB2	NM_024107.2	MGC3123	transmembrane and ubiquitin-like domain containing 2
TRIM39	NM_021253.3	RNF23	tripartite motif containing 39
TUBB	NM_178014.2	OK/SW-cl.56, MGC16435, M40, Tubb5	tubulin beta class I
USP39	NM_001256725.1	SAD1, CGI-21, SNRNP65	ubiquitin specific peptidase 39
ZC3H14	NM_207662.3	FLJ11806, Ukp68, NY-REN-37	zinc finger CCH-type containing 14
ZKSCAN5	NM_014569.3	ZFP95, ZNF914, ZSCAN37	zinc finger with KRAB and SCAN domains 5
ZNF143	NM_003442.5	SBF, pHz-1, STAF	zinc finger protein 143
ZNF346	NM_012279.3	JAZ, Zfp346	zinc finger protein 346

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