

Official Symbol	Accession	Alias / Previous Symbol	Official Full Name
2810417H13Rik	NM_026515.2	p15(PAF), Pclaf	RIKEN cDNA 2810417H13 gene
2900026A02Rik	NM_172884.3	Gm449, LOC231620	RIKEN cDNA 2900026A02 gene
Abcc8	NM_011510.3	SUR1, Sur, D930031B21Rik	ATP-binding cassette, sub-family C (CFTR/MRP), member 8
Acad10	NM_028037.4	2410021P16Rik	acyl-Coenzyme A dehydrogenase family, member 10
Acly	NM_134037.2	A730098H14Rik	ATP citrate lyase
Acod1	NM_008392.1	Irg1	aconitate decarboxylase 1
Acot11	NM_025590.4	Thea, 2010309H15Rik, 1110020M10R	acyl-CoA thioesterase 11
Acot3	NM_134246.3	PTE-1a, Pte2a	acyl-CoA thioesterase 3
Acox1	NM_015729.2	Acyl-CoA oxidase, AOX, D130055E20F	acyl-Coenzyme A oxidase 1, palmitoyl
Adam19	NM_009616.4	Mltnb	a disintegrin and metallopeptidase domain 19 (meltrin beta)
Adam8	NM_007403.2	CD156a, MS2, E430039A18Rik, CD156	a disintegrin and metallopeptidase domain 8
Adamts1	NM_009621.4	ADAM-TS1, ADAMTS-1, METH-1, MET1	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 1
Adamts12	NM_175501.2		a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 12
Adamts14	NM_001081127.1	Adamts-14, TS14	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 14
Adamts17	NM_001033877.4	AU023434	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 17
Adamts2	NM_001277305.1	hPCPNI, ADAM-TS2, a disintegrin and	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 2
Adamts3	NM_001081401.2	6330442E02Rik, 1100001H14Rik	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 3
Adamts4	NM_172845.2	ADAM-TS4, aggrecanase-1	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 4
Adamts9	NM_175314.3	1810011L16Rik, E030027K14Rik, 843	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 9
Adcyap1r1	NM_001025372.1	PAC1, PAC1R, PACAP1-R, 2900024I10	adenylate cyclase activating polypeptide 1 receptor 1
Adgre1	NM_010130.1	DD7A5-7, TM7LN3, F4/80, Emr1, EGF	adhesion G protein-coupled receptor E1
Adgre5	NM_011925.1	Cd97, EGF-TM7 receptor	adhesion G protein-coupled receptor E5
Adora2a	NM_009630.2	A2a, Rs, A2aR, AA2AR, A2AAR	adenosine A2a receptor
Adora3	NM_009631.4	1700001D09Rik, ARA3, 4930578J19Ri	adenosine A3 receptor
Aif1	NM_019467.2	G1, Iba1, D17H6550E	allograft inflammatory factor 1
Akap13	NM_029332.1	AKAP-Lbc, 1700026G02Rik, 5730522C	A kinase (PRKA) anchor protein 13
Alcam	NM_009655.1	BEN, DM-GRASP, SC1, MuSC, CD166	activated leukocyte cell adhesion molecule
Alox15	NM_009660.3	L-12LO, 12-LO, Alox12l	arachidonate 15-lipoxygenase
Alox5	NM_009662.2	5LO, 5LX, 5-LOX	arachidonate 5-lipoxygenase
Alox5ap	NM_009663.1	Flap, arachidonate 5 lipoxygenase a	arachidonate 5-lipoxygenase activating protein
Amica1	NM_001005421.4	LOC270152	adhesion molecule, interacts with CXADR antigen 1
Angpt1	NM_009640.3	1110046O21Rik, Ang-1, Angiopoietin	angiopoietin 1
Angpt2	NM_007426.3	Ang2, Ang-2	angiopoietin 2
Anxa1	NM_010730.2	Lpc-1, C430014K04Rik, Anx-A1, Anx-	annexin A1
Anxa4	NM_013471.2	Anx4, Xanx-4, annexin IV, AIV	annexin A4
Aoah	NM_001281854.1	4930433E13Rik	acyloxyacyl hydrolase
Apoe	NM_001305844.1		apolipoprotein E
Areg	NM_009704.3	Mcub, AR, Sdgp	amphiregulin
Arf6	NM_007481.2		ADP-ribosylation factor 6
Arg1	NM_007482.3	PGIF, AI, Arg-1	arginase, liver
Arhgef28	NM_012026.2	D13Bwg1089e, RhoGEF, Rho specific	Rho guanine nucleotide exchange factor (GEF) 28
Arhgef6	NM_152801.2	4930592P22Rik, alpha-PIX, 1700038J	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6
Armc1	NM_028840.2	2310016N05Rik, 3110009G21Rik, Arc	armadillo repeat containing 1
Atf3	NM_007498.3	LRG-21	activating transcription factor 3
B4galt4	NM_019804.3	9130402O08Rik	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4
Batf	NM_016767.2	SFA-2, B-ATF	basic leucine zipper transcription factor, ATF-like
Batf3	NM_030060.2	9130211I03Rik	basic leucine zipper transcription factor, ATF-like 3
Bcl10	NM_009740.1	cE10, mE10, BCL-10	B cell leukemia/lymphoma 10
Bcl2	NM_009741.3	Bcl-2, D830018M01Rik, C430015F12R	B cell leukemia/lymphoma 2
Bcl6	NM_009744.3	Bcl5	B cell leukemia/lymphoma 6
Bid	NM_007544.3	2700049M22Rik	BH3 interacting domain death agonist
Birc2	NM_007465.2	ciAP1, IAP1, MIAP1, mciAP1, MIHB, I	baculoviral IAP repeat-containing 2
Birc3	NM_007464.3	RNF49, HIAP2, MIHC, IAP2, ciAP-2, N	baculoviral IAP repeat-containing 3
Birc5	NM_009689.2	TIAP, Api4, survivin	baculoviral IAP repeat-containing 5
Bmp6	NM_007556.2	Vgr1, D13Wsu115e	bone morphogenetic protein 6
Bmp8a	NM_001256019.1	Bmp7r1, osteogenic protein 2, OP2	bone morphogenetic protein 8a
Btg2	NM_007570.2	APRO1, Pc3, TIS21	B cell translocation gene 2, anti-proliferative
Btk	NM_013482.2	X-linked immune deficiency, xid, Bru	Bruton agammaglobulinemia tyrosine kinase
Btla	NM_001037719.2		B and T lymphocyte associated
C1qa	NM_007572.2	C1q	complement component 1, q subcomponent, alpha polypeptide
C1qb	NM_009777.2		complement component 1, q subcomponent, beta polypeptide
C1qc	NM_007574.2	C1qg	complement component 1, q subcomponent, C chain
C3	XM_011246258.1	acylation stimulating protein, Plp, c	complement component 3
C3ar1	NM_009779.2	C3aR, anaphylatoxin C3a receptor	complement component 3a receptor 1
C4a	NM_011413.2	Slp	complement component 4A (Rodgers blood group)
C5ar1	NM_007577.3	Cd88, D7Msu1, C5r1, C5aR	complement component 5a receptor 1
Calr	NM_007591.3	CRT, Calregulin	calreticulin
Camp	NM_009921.2	Cnlp, MCLP, FALL39, CAP18, Cramp	cathelicidin antimicrobial peptide
Casp1	NM_009807.2	interleukin 1 beta-converting enzym	caspase 1
Casp7	NM_007611.2	ICE-IAP3, caspase-7, Mch3, CMH-1	caspase 7
Cav1	NM_007616.3	caveolin-1, Cav-1	caveolin 1, caveolae protein
Cbr1	NM_007620.2	CR	carbonyl reductase 1
Ccl1	NM_011329.2	I-309, Tca-3, Scya1, CCR8 ligand	chemokine (C-C motif) ligand 1
Ccl11	NM_011330.3	Scya11, eotaxin	chemokine (C-C motif) ligand 11
Ccl12	NM_011331.2	MCP-5, Scya12	chemokine (C-C motif) ligand 12
Ccl17	NM_011332.2	Scya17, ABCD-2, TARC	chemokine (C-C motif) ligand 17
Ccl19	NM_011888.2	exodus-3, Scya19, CKb11	chemokine (C-C motif) ligand 19
Ccl2	NM_011333.3	Sigje, Scya2, MCP1, monocyte chem	chemokine (C-C motif) ligand 2
Ccl20	NM_016960.1	MIP-3[a], exodus-1, MIP3A, MIP-3A, S	chemokine (C-C motif) ligand 20
Ccl21a	NM_011124.4	Scya21b, 6CKBAC2, SLC, Exodus-2, C	chemokine (C-C motif) ligand 21A (serine)
Ccl22	NM_009137.2	MDC, Scya22, ABCD-1	chemokine (C-C motif) ligand 22
Ccl24	NM_019577.4	eotaxin-2, Scya24, MPIF-2, CKb-6	chemokine (C-C motif) ligand 24
Ccl25	NM_009138.3	TECK, CKb15, Scya25	chemokine (C-C motif) ligand 25
Ccl26	NM_001013412.2	Ccl26l, eotaxin-3	chemokine (C-C motif) ligand 26
Ccl27a	NM_001048179.1	Scya27a, Scya27, skinskine, CTAK, C	chemokine (C-C motif) ligand 27A
Ccl28	NM_020279.3	Scya28, CCK1	chemokine (C-C motif) ligand 28
Ccl3	NM_011337.1	Mip1a, MIP1-(a), Scya3, LD78alpha, C	chemokine (C-C motif) ligand 3
Ccl4	NM_013652.1	Act-2, MIP-1B, MIP-1 beta, Scya4, AT	chemokine (C-C motif) ligand 4
Ccl5	NM_013653.1	Scya5, RANTES, TCP228, MuRantes, S	chemokine (C-C motif) ligand 5
Ccl6	NM_009139.2	MRP-1, c10, Scya6	chemokine (C-C motif) ligand 6

Ccl7	NM_013654.3	fic, MCP-3, marc, mcp3, Scya7	chemokine (C-C motif) ligand 7
Ccl8	NM_021443.2	1810063B20Rik, Scya8, HC14, MCP-2	chemokine (C-C motif) ligand 8
Ccl9	NM_011338.2	CCF18, Scya10, MRP-2, MIP-1 gamma	chemokine (C-C motif) ligand 9
Ccnb2	NM_007630.2	CycB2	cyclin B2
Ccr1	NM_009912.4	Cmkbr1	chemokine (C-C motif) receptor 1
Ccr2	NM_009915.2	CKR2B, CKR2A, Cmkbr2, CCR2A, CKR	chemokine (C-C motif) receptor 2
Ccr3	NM_009914.4	CKR3, Cmkbr3, CC-CKR3, MIP-1 alph	chemokine (C-C motif) receptor 3
Ccr4	NM_009916.2	CC CKR-4, Cmkbr4	chemokine (C-C motif) receptor 4
Ccr5	NM_009917.5	Cmkbr5, CD195	chemokine (C-C motif) receptor 5
Ccr6	NM_001190333.1	Cmkbr6	chemokine (C-C motif) receptor 6
Ccr7	NM_007719.2	CD197, Cmkbr7, Ebi1h, EBI1	chemokine (C-C motif) receptor 7
Ccr8	NM_007720.2	Cmkbr8	chemokine (C-C motif) receptor 8
Ccr9	NM_009913.6	Cmkbr10, GPR-9-6	chemokine (C-C motif) receptor 9
Ccr12	NM_017466.4	L-CCR, CCR11, Achr5, Cmkbr112, 181	chemokine (C-C motif) receptor-like 2
Cd14	NM_009841.3		CD14 antigen
Cd151	NM_009842.3	Tspan24, SFA-1, PETA-3	CD151 antigen
Cd163	NM_053094.2		CD163 antigen
Cd180	NM_008533.2	RP105, Ly78	CD180 antigen
Cd1d1	NM_007639.3	CD1.1, Ly-38, Cd1a, Cd1d	CD1d1 antigen
Cd1d2	NM_007640.2	CD1.2, Cd1b	CD1d2 antigen
Cd209e	NM_130905.2	mSIGNR4, SIGNR4	CD209e antigen
Cd244	NM_018729.2	Nmrk, C9.1, 2B4, F730046O15Rik	CD244 natural killer cell receptor 2B4
Cd247	NM_001113391.2	CD3-eta, CD3-zeta, CD3-zeta/eta, C	CD247 antigen
Cd27	NM_001042564.1	Tnfrsf7, Tp55, S152, Cd27	CD27 antigen
Cd274	NM_021893.2	B7-H1, PD-L1, Pdccl1lg1	CD274 antigen
Cd276	NM_133983.4	B7-H3, 6030411F23Rik, B7h3, B7RP-2	CD276 antigen
Cd28	NM_007642.4		CD28 antigen
Cd34	NM_001111059.1		CD34 antigen
Cd36	NM_007643.3	fatty acid translocase, Scarb3, FAT	CD36 antigen
Cd38	NM_007646.4	Cd38-rs1	CD38 antigen
Cd40	NM_011611.2	p50, Bp50, Tnfrsf5, Cd40	CD40 antigen
Cd40lg	NM_011616.2	Tnfrsf5, HIGM1, gp39, Cd40L, CD154,	CD40 ligand
Cd44	NM_009851.2	Pgp-1, HERMES, Ly-24	CD44 antigen
Cd47	NM_010581.3	integrin-associated protein, B430305	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)
Cd68	NM_009853.1	macrosialin, Scard1, Lamp4, gp110	CD68 antigen
Cd69	NM_001033122.3	AIM, VEA, 5830438K24Rik	CD69 antigen
Cd70	NM_011617.1	CD27LG, Tnfrsf7, Ki-24 antigen	CD70 antigen
Cd74	NM_001042605.1	CLIP, li	CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated)
Cd80	NM_009855.2	B7-1, Ly53, Cd28l, B7.1, Ly-53	CD80 antigen
Cd83	NM_009856.2		CD83 antigen
Cd84	NM_001252472.1	SLAMF5, CDw84, A130013D22Rik	CD84 antigen
Cd86	NM_019388.3	B70, Cd28l2, B7-2, Ly-58, Ly58, MB7	CD86 antigen
Cd99	NM_025584.2	D4, 2410026K10Rik, p1lr-1, 1110061A	CD99 antigen
Cdc20	NM_023223.2	2310042N09Rik, p55CDC	cell division cycle 20
Cdh1	NM_009864.2	E-cadherin, uvomorulin, UM, L-CAM,	cadherin 1
Cdh11	NM_009866.4	osteoblast-cadherin, OB-cadherin, C	cadherin 11
Cdh13	NM_019707.4	T-cadherin, Tcad, 4932416G01Rik	cadherin 13
Cdh2	NM_007664.4	N-CAD, N-cadherin, Ncad	cadherin 2
Cdh4	NM_001316723.1	R-Cadh, R-cadherin, Rcad	cadherin 4
Cdh5	NM_009868.3	7B4/cadherin-5, CD144, VE-Cad, VE	cadherin 5
Cdkn1a	NM_007669.4	CDKI, SDI1, p21Cip1, CIP1, CAP20, C	cyclin-dependent kinase inhibitor 1A (P21)
Ceacam1	NM_001039185.1	Hv-2, Cea1, Mhv-1, Hv2, Cea-1, Cea	carcinoembryonic antigen-related cell adhesion molecule 1
Ceacam2	NM_007543.4	Bgp2	carcinoembryonic antigen-related cell adhesion molecule 2
Cebpa	NM_007678.3	Cebp, C/EBP alpha, C/ebpalpha	CCAAT/enhancer binding protein (C/EBP), alpha
Cebpb	NM_009883.3	C/EBPbeta, NF-M, CRP2, LAP, LIP, IL-	CCAAT/enhancer binding protein (C/EBP), beta
Cebpd	NM_007679.4		CCAAT/enhancer binding protein (C/EBP), delta
Cebpg	NM_009884.3	C/EBPgamma, Ig/EBP, Gpe1bp, GPE1	CCAAT/enhancer binding protein (C/EBP), gamma
Chi3	NM_009892.2	Ym1, Chi3l3	chitinase-like 3
Chi4	NM_145126.2	Ym2, Chi3l4	chitinase-like 4
Cldn1	NM_016674.3		claudin 1
Clec1b	NM_001204239.1	Clec-2, Clec2, 1810061113Rik	C-type lectin domain family 1, member b
Clec5a	NM_001038604.1	MDL-1, Ly100, myeloid DAP12-associ	C-type lectin domain family 5, member a
Clec7a	NM_020008.2	dectin-1, beta-glucan receptor, beta	C-type lectin domain family 7, member a
Clec9a	NM_172732.3	DNGR-1, 9830005G06Rik	C-type lectin domain family 9, member a
Clic4	NM_013885.2	mc3s5, mtCLIC, DOJmb3	chloride intracellular channel 4 (mitochondrial)
Cma1	NM_010780.3	MMCP-5, Mcpt5, Mcp-5, Mcp5	chymase 1, mast cell
Cnksr1	NM_001081047.1		connector enhancer of kinase suppressor of Ras 1
Cnn2	NM_007725.2	h2-calponin, Calpo2	calponin 2
Coasy	NM_001305982.1	1300003G02Rik, Ukr1, Dpck, Ppat	Coenzyme A synthase
Col10a1	NM_009925.4	Col10, Col10a-1	collagen, type X, alpha 1
Col11a1	NM_007729.2	C530001D20Rik	collagen, type XI, alpha 1
Col12a1	NM_007730.2		collagen, type XII, alpha 1
Col14a1	NM_181277.3	5730412L22Rik	collagen, type XIV, alpha 1
Col15a1	NM_009928.3		collagen, type XV, alpha 1
Col17a1	NM_007732.2	Bpag2, BP180, BPag2, Bpag	collagen, type XVII, alpha 1
Col1a2	NM_007743.2	Cola2, Cola-2, Col1a-2	collagen, type I, alpha 2
Col3a1	NM_009930.1	Col3a-1, Tsk-2, Tsk2	collagen, type III, alpha 1
Col4a1	NM_009931.2	Del(8)44H, alpha1(IV) collagen, Col4	collagen, type IV, alpha 1
Col4a2	NM_009932.3	Col4a-2	collagen, type IV, alpha 2
Cpa3	NM_007753.2	MC-CPA, mast cell carboxypeptidase	carboxypeptidase A3, mast cell
Crabp2	NM_007759.2	CrabpII, Crabp-2	cellular retinoic acid binding protein II
Crem	NM_001110853.1	ICER	cAMP responsive element modulator
Crip1	NM_007763.3	CRP1, Crip	cysteine-rich protein 1 (intestinal)
Csf1	NM_001113530.1	colony-stimulating factor-1, CSF-1, /	colony stimulating factor 1 (macrophage)
Csf1r	NM_001037859.1	CD115, Fms, Csfmr, Fim-2, M-CSFR,	colony stimulating factor 1 receptor
Csf2	NM_009969.4	GMCSF, MGI-IGM, Csfgm, Gm-CSf	colony stimulating factor 2 (granulocyte-macrophage)
Csf2ra	NM_009970.2	CD116, GM-CSF-Ra, Csfgmra, GM-CSI	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)
Csf3	NM_009971.1	CsfG, G-CSF, MGI-IG	colony stimulating factor 3 (granulocyte)
Csf3r	NM_001252651.1	Csfgr, G-CSFR, Cd114	colony stimulating factor 3 receptor (granulocyte)
Cstb	NM_007793.3	Stfb	cystatin B
Ctgf	NM_010217.2	Hcs24, Fisp12, Ccn2, hypertrophic c	connective tissue growth factor

Ctla4	NM_009843.3	Ly-56, CtlA-4, Cd152	cytotoxic T-lymphocyte-associated protein 4
Ctnnb1	NM_007614.2	beta-catenin, beta catenin, Catnb	catenin (cadherin associated protein), beta 1
Ctsa	NM_001038492.2	Ppgb, PPCA	cathepsin A
Ctsd	NM_009983.2	CatD, CD	cathepsin D
Ctsg	NM_007800.1		cathepsin G
Ctsl	NM_009984.3	Cat L, major excreted protein, MEP	cathepsin L
Ctss	NM_021281.2	Cat S	cathepsin S
Cttnbp2	NM_080285.1	3010022N24Rik, 4732477G22Rik, Cor	cortactin binding protein 2
Cx3cl1	NM_009142.3	neurotactin, CX3C, D8Bwg0439e, fra	chemokine (C-X3-C motif) ligand 1
Cx3cr1	NM_009987.3		chemokine (C-X3-C motif) receptor 1
Cxcl1	NM_008176.1	Mgsa, Fsp, KC/GRO-alpha, KC, N51,	chemokine (C-X-C motif) ligand 1
Cxcl10	NM_021274.1	gIP-10, Ifi10, C7, IP10, INP10, mob-1	chemokine (C-X-C motif) ligand 10
Cxcl11	NM_019494.1	SCYB9B, IP9, I-TAC, Scyb11, b-R1, be	chemokine (C-X-C motif) ligand 11
Cxcl12	NM_021704.3	TPAR1, Sdf1b, TLSF-a, Sdf1a, PBSF, S	chemokine (C-X-C motif) ligand 12
Cxcl13	NM_018866.2	Scyb13, 4631412M08Rik, BCA-1, BLC	chemokine (C-X-C motif) ligand 13
Cxcl14	NM_019568.2	Kec, MIP-2g, 1200006123Rik, Scyb14,	chemokine (C-X-C motif) ligand 14
Cxcl16	NM_023158.6	SR-PSOX/CXCL16, SR-PSOX, 0910001	chemokine (C-X-C motif) ligand 16
Cxcl2	NM_009140.2	MIP-2a, Mgsa-b, GROb, Gro2, CINC-2	chemokine (C-X-C motif) ligand 2
Cxcl3	NM_203320.2	Dcip1	chemokine (C-X-C motif) ligand 3
Cxcl5	NM_009141.2	Scyb5, Cxcl6, granulocyte chemotac	chemokine (C-X-C motif) ligand 5
Cxcl9	NM_008599.2	CMK, Scyb9, Mig, crg-10	chemokine (C-X-C motif) ligand 9
Cxcr1	NM_178241.4	Il8ra	chemokine (C-X-C motif) receptor 1
Cxcr2	NM_009909.3	IL-8rb, Cmkar2, CD128, Gpcr16, Il8r	chemokine (C-X-C motif) receptor 2
Cxcr3	NM_009910.2	Cd183, Cxcr3, Cmkar3	chemokine (C-X-C motif) receptor 3
Cxcr4	NM_009911.3	Sdf1r, b2b220Clo, PB-CKR, fusin, CD	chemokine (C-X-C motif) receptor 4
Cxcr5	NM_007551.2	Gpcr6, CXCR-5, Blr1	chemokine (C-X-C motif) receptor 5
Cxcr6	NM_030712.4	STRL33, BONZO	chemokine (C-X-C motif) receptor 6
Cybb	NM_007807.2	Cgd, gp91phox, Nox2	cytochrome b-245, beta polypeptide
Cyp1b1	NM_009994.1		cytochrome P450, family 1, subfamily b, polypeptide 1
Cyp3a13	NM_007819.4	IIIaM2, steroid inducible	cytochrome P450, family 3, subfamily a, polypeptide 13
Cyr61	NM_010516.1	CCN1	cysteine rich protein 61
Cysl1r1	NM_021476.4	leukotriene D4 receptor, CysLT1R, cy	cysteinyl leukotriene receptor 1
Cytip	NM_139200.4	Cybr, Pscdbp, Cbp, A130053M09Rik	cytohesin 1 interacting protein
Daglb	NM_144915.3	E330036119Rik	diacylglycerol lipase, beta
Daxx	NM_007829.3		Fas death domain-associated protein
Ddr2	NM_022563.2	Ntrkr3	discoidin domain receptor family, member 2
Des	NM_010043.1		desmin
Dhrs3	NM_011303.6	Rsd1, retSDR1	dehydrogenase/reductase (SDR family) member 3
Dnajb6	NM_011847.4	mDj4, Mrj	DnaJ heat shock protein family (Hsp40) member B6
Dpp4	NM_001159543.1	Cd26, THAM, Dpp-4	dipeptidylpeptidase 4
Dusp1	NM_013642.3	Ptpn16, erp, mkp-1, MKP1, 3CH134	dual specificity phosphatase 1
Dusp2	NM_010090.2	PAC1	dual specificity phosphatase 2
Dusp6	NM_026268.2	MKP3, MKP-3, 1300019I03Rik, PYST1	dual specificity phosphatase 6
Ear3	NM_017388.1	Rnase3, mR3, murine ribonuclease 3	eosinophil-associated, ribonuclease A family, member 3
Ear6	NM_053111.2		eosinophil-associated, ribonuclease A family, member 6
Edn1	NM_010104.2	ET-1	endothelin 1
Egf	NM_010113.3		epidermal growth factor
Egr2	NM_010118.2	Zfp-25, NGF1-B, Egr-2, Krox20, Krox	early growth response 2
Egr3	NM_018781.2	Pilot	early growth response 3
Eif4ebp2	NM_010124.2	PHAS-II, 4E-BP2, 2810011119Rik	eukaryotic translation initiation factor 4E binding protein 2
Elane	NM_015779.2	Ela2, F430011M15Rik, NE	elastase, neutrophil expressed
Ell2	NM_138953.2		elongation factor RNA polymerase II 2
Elovl6	NM_130450.2	FEN1/Elo2, SUR4/Elo3-like, LCE	ELOVL family member 6, elongation of long chain fatty acids (yeast)
Emp1	NM_010128.4		epithelial membrane protein 1
En1	NM_010133.2	En-1, engrailed-1, Mo-en.1	engrailed 1
Enc1	NM_007930.3	PIG10, Nrbp	ectodermal-neural cortex 1
Enpep	NM_007934.3	Ly51, Ly-51, aminopeptidase-A, Bp-1	glutamyl aminopeptidase
Enpp2	NM_001136077.2	ATX, PD-lalpha, Pdn2, Autotaxin, N	ectonucleotide pyrophosphatase/phosphodiesterase 2
Ephb6	NM_001146351.1	Cekl, Mep	Eph receptor B6
Epx	NM_007946.2	EPO	eosinophil peroxidase
Ercc1	NM_007948.2	Ercc-1	excision repair cross-complementing rodent repair deficiency, complementation group 1
Erg	NM_133659.2	D030036124Rik	avian erythroblastosis virus E-26 (v-ets) oncogene related
Ets1	NM_001038642.1	p51Ets-1, Ets-1, vs, p42Ets-1, Tpl1	E26 avian leukemia oncogene 1, 5' domain
F11r	NM_172647.2	JAM-1, ESTM33, BV11 antigen, Jcam	F11 receptor
Fabp4	NM_024406.2	Ap2, ALBP/Ap2, 422/aP2, Lbpl	fatty acid binding protein 4, adipocyte
Fadd	NM_010175.5	Mort1/FADD	Fas (TNFRSF6)-associated via death domain
Faf1	NM_007983.2	Fam, Dffrx	Fas-associated factor 1
Fas	NM_007987.2	Tnfrsf6, APO-1, TNFR6, CD95	Fas (TNF receptor superfamily member 6)
Fasn	NM_007988.3	A630082H08Rik, FAS	fatty acid synthase
Fbp1	NM_019395.2	Fbp3, FBPase liver, FBPase brain isof	fructose bisphosphatase 1
Fbxl7	NM_176959.3	FBL7, D230018M15Rik, Fbl6	F-box and leucine-rich repeat protein 7
Fcer1a	NM_010184.1	Fcr-5, Fce1a, FcERI	Fc receptor, IgE, high affinity I, alpha polypeptide
Fcer2a	NM_001253737.1	FC epsilon RII, CD23, Fce2, Ly-42, lo	Fc receptor, IgE, low affinity II, alpha polypeptide
Fcgr1	NM_010186.5	CD64, FcgammaRI	Fc receptor, IgG, high affinity I
Fcgr2b	NM_001077189.1	Ly-17, CD32, LyM-1, Fc gamma RIIB,	Fc receptor, IgG, low affinity IIb
Fcgr3	NM_010188.5	CD16, FcgammaRIII, Fcg receptor III	Fc receptor, IgG, low affinity III
Fcgr4	NM_144559.1	CD16-2, 4833442P21Rik, Fcgr3a, Fcg	Fc receptor, IgG, low affinity IV
Fcnb	NM_010190.1		ficolin B
Fem1c	NM_173423.4	3632443A22Rik, 2610312A07Rik	fem-1 homolog c (C.elegans)
Fgf10	NM_008002.4	FGF-10, AEY17, Gsfaey17	fibroblast growth factor 10
Fgf18	NM_008005.1	FGF-18, D130055P09Rik	fibroblast growth factor 18
Fgf2	NM_008006.2	Kgf-2, Fgfb, bFGF	fibroblast growth factor 2
Fgf7	NM_008008.4	Keratinocyte growth factor, Kgf	fibroblast growth factor 7
Fgfr1	NM_001079908.2	Hspy, Fgfr-1, Eask, Flt-2	fibroblast growth factor receptor 1
Flnb	NM_134080.1		filamin, beta
Flrt2	NM_201518.4		fibronectin leucine rich transmembrane protein 2
Flt1	NM_010228.3	VEGFR1, vascular endothelial growth	FMS-like tyrosine kinase 1
Flt3	NM_010229.2	Flt-3, CD135, Flk2, Flk-2, wml	FMS-like tyrosine kinase 3
Fn1	NM_010233.1	Fn, Fn-1	fibronectin 1
Fosb	NM_008036.2		FBJ osteosarcoma oncogene B
Fos1	NM_010235.2	Fra1, fra-1	fos-like antigen 1

Fpr1	NM_013521.2	FPR, fMLF-R	formyl peptide receptor 1
Fpr2	NM_008039.2	Fpr-rs2, E330010I07Rik	formyl peptide receptor 2
Fpr3	NM_008042.2	Fprl1, Lxa4r, Fpr-rs1, LXA4-R	formyl peptide receptor 3
Fpr-rs3	NM_008040.2		formyl peptide receptor, related sequence 3
Fpr-rs4	NM_008041.2		formyl peptide receptor, related sequence 4
Fpr-rs5	Fpr_rs5.1	EG627060	formyl peptide receptor, related sequence 5
Fpr-rs6	NM_177316.2		formyl peptide receptor, related sequence 6
Fscn1	NM_007984.2	Fan1, fascin-1	fascin actin-bundling protein 1
Furin	NM_011046.2	Fur, PACE, Pcsk3, SPC1, 9130404I01R	furin (paired basic amino acid cleaving enzyme)
Fut4	NM_010242.3	FucT-IV, LeX, Ssea1, FAL, SSEA-1, 3-f	fucosyltransferase 4
Fyn	NM_008054.2	Src Kinase p59	Fyn proto-oncogene
Fzd4	NM_008055.4	Fz4	frizzled class receptor 4
Fzd6	NM_001162494.1	Fz6	frizzled class receptor 6
Fzd9	NM_010246.1	mfz9, frizzled 9	frizzled class receptor 9
Gadd45b	NM_008655.1	Myd118	growth arrest and DNA-damage-inducible 45 beta
Gata1	NM_008089.1	Gata-1, Gf-1	GATA binding protein 1
Gata2	NM_008090.4	Gata-2	GATA binding protein 2
Gata3	NM_008091.3	Gata-3, jal	GATA binding protein 3
Gata6	NM_010258.3		GATA binding protein 6
Gch1	NM_008102.3	GTP-CH, GTPCH	GTP cyclohydrolase 1
Gem	NM_010276.3		GTP binding protein (gene overexpressed in skeletal muscle)
Gk5	NM_177352.4	G630067D24Rik, C330018K18Rik	glycerol kinase 5 (putative)
Glg1	NM_009149.2	CFR, MG-160, MG160, CFR-1, Selel, I	golgi apparatus protein 1
Gnai3	NM_010306.2	Galphai3	guanine nucleotide binding protein (G protein), alpha inhibiting 3
Golim4	NM_001291069.1	Golph4, 3110027H23Rik, P138, GPP1	golgi integral membrane protein 4
Gpr183	NM_183031.2	Ebi2	G protein-coupled receptor 183
Gpr65	NM_008152.2	Dig1, TDAG8, Gpcr25	G-protein coupled receptor 65
Grn	NM_008175.4	Pgrn, acrogranulin, epithelin, progr	granulin
Gsn	NM_146120.3		gelsolin
Gtf2h2	NM_022011.4	p44, basal transcription factor 2, p4	general transcription factor II H, polypeptide 2
Gzma	NM_010370.2	Ctla-3, TSP1, H factor, Hf, Ctla3, BL	granzyme A
H2-Aa	NM_010378.2	Ia1, Ia-1, A alpha, Aalpha, H-2Aa, I-A	histocompatibility 2, class II antigen A, alpha
H2-Ab1	NM_207105.2	Ia-2, Rmcs1, IAb, Abeta, I-Abeta, A E	histocompatibility 2, class II antigen A, beta 1
H2-D1	NM_010380.3	H-2D	histocompatibility 2, D region locus 1
H2-DMa	NM_010386.3	H2-Ma, H2-M alpha, H-2Ma	histocompatibility 2, class II, locus DMa
H2-DMb1	NM_010387.2	H2-M beta1, H-2Mb1, H2-Mb1	histocompatibility 2, class II, locus Mb1
H2-DMb2	NM_010388.4	H-2Mb2, H2-Mb2, H2-M beta2	histocompatibility 2, class II, locus Mb2
H2-Ea-ps	NM_010381.2	H-2Ea, I-Ealpha, Ia-3, Ia3	histocompatibility 2, class II antigen E alpha, pseudogene
H2-Eb1	NM_010382.2	Ia4, H-2Eb, Ia-4	histocompatibility 2, class II antigen E beta
H2-K1	NM_001001892.2	H-2K	histocompatibility 2, K1, K region
H2-M3	NM_013819.2	H-2M3, Hmt, R4B2	histocompatibility 2, M region locus 3
H2-Ob	NM_010389.3	A-beta2, H-2I, A-beta-2, H2-IAb2, H-	histocompatibility 2, O region beta locus
H2-Q1	NM_010390.3	Q1k, Q1d, Q1b, Q1, H-2Q1	histocompatibility 2, Q region locus 1
H2-Q10	NM_010391.4	Q10, Qa10, H-2Q10	histocompatibility 2, Q region locus 10
H2-Q2	NM_010392.2	H-2Q2, Gm11132	histocompatibility 2, Q region locus 2
H2-T23	NM_010398.3	T23d, H-2T23, T23b, Qed-1, 37b, T1	histocompatibility 2, T region locus 23
Havcr1	NM_134248.2	Tim1, KIM-1, TIM-1	hepatitis A virus cellular receptor 1
Havcr2	NM_134250.2	Timd3, Tim3, TIM-3	hepatitis A virus cellular receptor 2
Hbegf	NM_010415.1	Dtr, HB-EGF, Hegfl	heparin-binding EGF-like growth factor
Hc	NM_010406.1	C5a, He, C5	hemolytic complement
Hdac5	NM_010412.3	mHDA1	histone deacetylase 5
Hdac6	NM_010413.3	mHDA2, Sfc6	histone deacetylase 6
Hdc	NM_008230.4	Hdc-c, L-histidine decarboxylase, Hc	histidine decarboxylase
Hes1	NM_008235.2	Hry, bHLHb39	hairy and enhancer of split 1 (Drosophila)
Hgf	NM_010427.5	SF/HGF, NK2, NK1, scatter factor, C2	hepatocyte growth factor
Hif1a	NM_010431.2	HIF1alpha, MOP1, bHLHe78, HIF-1a	hypoxia inducible factor 1, alpha subunit
Hip1r	NM_145070.2		huntingtin interacting protein 1 related
Hist1h1c	NM_015786.3	0610008C09Rik, H1var1, H1c, H1f2,	histone cluster 1, H1c
Hist2h2aa1	NM_013549.2	Hist2, H2a-615	histone cluster 2, H2aa1
Hivep1	NM_007772.2	Cryabp1, alphaA-CRYBP1	human immunodeficiency virus type I enhancer binding protein 1
Hmgb1	NM_010439.3	amphoterin, HMG-1, p30, SBP-1, DEF	high mobility group box 1
Hnf1b	NM_009330.2	hepatocyte nuclear factor-1 beta, H	HNF1 homeobox B
Hoxd4	NM_010469.2	Hox-4.2, Hox-5.1	homeobox D4
Hpgd	NM_008278.2	15-PGDH	hydroxyprostaglandin dehydrogenase 15 (NAD)
Hpgds	NM_019455.4	H-PGDS, Ptgds2	hematopoietic prostaglandin D synthase
Hras	NM_001130443.1	H-ras, c-H-ras, Harvey-ras, Hras-1, H	Harvey rat sarcoma virus oncogene
Hspg2	NM_008305.3	per, Plc, Pcn	perlecan (heparan sulfate proteoglycan 2)
Icam1	NM_010493.2	MALA-2, Icam-1, CD54, Ly-47	intercellular adhesion molecule 1
Icos	NM_017480.1		inducible T cell co-stimulator
Icosl	NM_015790.3	B7h, B7RP-1, ICOS-L, GL50, LICOS, B	icos ligand
Id1	NM_010495.2	Idb1, bHLHb24, D2Wsu140e	inhibitor of DNA binding 1
Id2	NM_010496.3	inhibitor of differentiation 2, Idb2, I	inhibitor of DNA binding 2
Id3	NM_008321.2	HLH462, bHLHb25, Idb3	inhibitor of DNA binding 3
Ido1	NM_008324.1	Indo, Ido	indoleamine 2,3-dioxygenase 1
Ido2	NM_145949.2	Indol1, C230043N17Rik, Ido2	indoleamine 2,3-dioxygenase 2
Ier3	NM_133662.2	gly96, cl-3, cAMP inducible gene 3, I	immediate early response 3
Ifit1bl1	NM_001101605.1	Gm14446	interferon induced protein with tetratricopeptide repeats 1B like 1
Ifit1bl2	NM_053217.2	2010002M12Rik	interferon induced protein with tetratricopeptide repeats 1B like 2
Ifna1	NM_010502.2	Ifa1	interferon alpha 1
Ifnar1	NM_010508.1	Ifrc, Ifar, IFN-alpha/betaR	interferon (alpha and beta) receptor 1
Ifnar2	NM_001110498.1	Ifnar-2	interferon (alpha and beta) receptor 2
Ifnb1	NM_010510.1	interferon beta 1, fibroblast, IFN-be	interferon beta 1, fibroblast
Ifng	NM_008337.1	IFN-gamma, Ifg	interferon gamma
Ifngr1	NM_010511.2	Nktar, IFN-gamma R, Ifgr, CD119, IFN	interferon gamma receptor 1
Igf1	NM_001111274.1	Igf-1, C730016P09Rik, Igf-I	insulin-like growth factor 1
Igf2	NM_010514.3	M6pr, Igf-II, Igf-2, Mpr, Peg2	insulin-like growth factor 2
Ikbke	NM_019777.3	IKK-i, IKKepsilon	inhibitor of kappaB kinase epsilon
Ikaros	NM_009578.2	Ikaros, Zfpn1a1, LyF-1, 5832432G11F	IKAROS family zinc finger 1
Il10	NM_010548.1	cytokine synthesis inhibitory factor,	interleukin 10
Il10ra	NM_008348.2	mIL-10R, CDw210, IL10r	interleukin 10 receptor, alpha
Il12a	NM_008351.1	IL-12p35, p35	interleukin 12a

Il12b	NM_001303244.1	Il-12p40, IL-12 p40, IL-12b, IL-23 sub	interleukin 12b
Il13	NM_008355.2	IL-13	interleukin 13
Il15	NM_008357.2		interleukin 15
Il15ra	NM_008358.2		interleukin 15 receptor, alpha chain
Il17ra	NM_008359.1	VDw217, Il17r	interleukin 17 receptor A
Il18	NM_008360.1	Ig1f, IL-18	interleukin 18
Il18r1	NM_001161842.1	Il18ralpha, Il1rrp	interleukin 18 receptor 1
Il1a	NM_010554.4	IL-1a	interleukin 1 alpha
Il1b	NM_008361.3	IL-1beta, IL-1B	interleukin 1 beta
Il1r1	NM_001123382.1	IL-1 receptor alpha chain, IL-iR, Il1r	interleukin 1 receptor, type I
Il1r2	NM_010555.4	IL-1 receptor beta chain, CD121b, Il	interleukin 1 receptor, type II
Il1rap	NM_134103.2	IL-1RAcP, 6430709H04Rik, IL-1R AcP	interleukin 1 receptor accessory protein
Il1rl1	NM_001025602.2	ST2L, DER4, T1, Fit-1, ST2, T1/ST2,	interleukin 1 receptor-like 1
Il1rn	NM_031167.5	F630041P17Rik, IL-1ra	interleukin 1 receptor antagonist
Il2	NM_008366.3	IL-2	interleukin 2
Il21r	NM_021887.1	NILR	interleukin 21 receptor
Il22	NM_016971.1	IL-TIF, Itif, IL-22	interleukin 22
Il23a	NM_031252.1	IL-23, p19, IL-23p19	interleukin 23, alpha subunit p19
Il25	NM_080729.2	IL-17E, Il17e	interleukin 25
Il27	NM_145636.1	p28, IL-27p28, Il30, IL-27	interleukin 27
Il27ra	NM_016671.3	Tccr, IL-27R, WSX-1	interleukin 27 receptor, alpha
Il3	NM_010556.4	HCGF, Csfmu, IL-3, BPA, MCGF, PSF	interleukin 3
Il33	NM_133775.1	9230117N10Rik, IL-33, Il1f11, NF-HEV	interleukin 33
Il3ra	NM_008369.1	CD123, IL-3 receptor alpha chain, SL	interleukin 3 receptor, alpha chain
Il4	NM_021283.1	IL-4	interleukin 4
Il4i1	NM_010215.3	Fig1, Fig1-ps	interleukin 4 induced 1
Il4ra	NM_001008700.3	Il4r, CD124, IL-4 receptor alpha chai	interleukin 4 receptor, alpha
Il5	NM_010558.1	IL-5	interleukin 5
Il5ra	NM_008370.2	CDw125, CD125, Il5r, IL-5 receptor a	interleukin 5 receptor, alpha
Il6	NM_031168.1	IL-6	interleukin 6
Il6ra	NM_010559.2	IL-6R, Il6r, IL-6 receptor alpha chain	interleukin 6 receptor, alpha
Il9	NM_008373.1	IL-9, P40	interleukin 9
Insig1	NM_153526.5	1810013C12Rik, Insig-1	insulin induced gene 1
Insr	NM_010568.2	CD220, IR-B, IR-A, D630014A15Rik, Il	insulin receptor
Irf1	NM_008390.1	Irf-1	interferon regulatory factor 1
Irf2	NM_008391.2	Irf-2, 9830146E22Rik	interferon regulatory factor 2
Irf3	NM_016849.4	IRF-3, C920001K05Rik	interferon regulatory factor 3
Irf4	NM_013674.1	Spip, IRF-4	interferon regulatory factor 4
Irf5	NM_001252382.1	mirf5	interferon regulatory factor 5
Irf7	NM_016850.2		interferon regulatory factor 7
Irf8	NM_008320.3	Myls, Icsbp1, IRF-8, ICSBP	interferon regulatory factor 8
Isg15	NM_015783.3	G1p2	ISG15 ubiquitin-like modifier
Itga4	NM_010576.3	VLA-4 receptor, alpha 4 subunit	integrin alpha 4
Itga5	NM_001314041.1	Fnr1, Cd49e	integrin alpha 5 (fibronectin receptor alpha)
Itgal	NM_008400.2	LFA-1, Ly-21, Ly-15, Cd11a	integrin alpha L
Itgam	NM_001082960.1	CR3, Mac-1a, Cd11b, complement re	integrin alpha M
Itgax	NM_021334.2	CD11C (p150) alpha polypeptide, Cd	integrin alpha X
Itgb1	NM_010578.1	Fnr1, beta1 integrin, CD29, 4633401	integrin beta 1 (fibronectin receptor beta)
Itgb2	NM_008404.4	Mac-1 beta, Cd18, 2E6	integrin beta 2
Itgb7	NM_013566.2		integrin beta 7
Jag1	NM_013822.2	ABE2, Serrate-1, Htu, Ozz, Headturn	jagged 1
Jak3	NM_010589.5		Janus kinase 3
Jun	NM_010591.2	Junc, c-jun	jun proto-oncogene
Kalrn	NM_177357.3	E530005C20Rik, 2210407G14Rik, Ha	kalirin, RhoGEF kinase
Kcnab1	NM_010597.3	Kvbeta1.1, mKv(beta)1, Akr8a8	potassium voltage-gated channel, shaker-related subfamily, beta member 1
Kcnq1ot1	NR_001461.5	Kv1qt1-as, Lit1, Tssc8	KCNQ1 overlapping transcript 1
Kif20a	NM_009004.3	Rabkinesin-6, Rab6kifl	kinesin family member 20A
Kit	NM_001122733.1	Gsfsc05, Gsfsc03, Dominant white s	kit oncogene
Kitl	NM_013598.1	blz, Mgf, SLF, Steel, grizzle-belly, SF	kit ligand
Klf10	NM_013692.2	mGIF, Tieg1, Gdnfif, Egral	Kruppel-like factor 10
Klf4	NM_010637.3	EZF, Gklf, Zie	Kruppel-like factor 4 (gut)
Klk1	NM_010639.7	O610007D04Rik, mGk-6, Klk6	kallikrein 1
Klrk1	NM_001083322.1	NKG2-D, Nkg2d, D6H12S2489E	killer cell lectin-like receptor subfamily K, member 1
Krba1	NM_133922.3	A930040G15Rik	KRAB-A domain containing 1
Lag3	NM_008479.1	CD223, Ly66, LAG-3	lymphocyte-activation gene 3
Lamb2	NM_008483.3	npht, Lamb-2, Lams	laminin, beta 2
Lamb3	NM_008484.2	nicein, 125kDa	laminin, beta 3
Lamp3	NM_177356.3	Cd208, 1200002D17Rik, DC-LAMP, TS	lysosomal-associated membrane protein 3
Laptm5	NM_010686.3	E3	lysosomal-associated protein transmembrane 5
Lat	NM_010689.2		linker for activation of T cells
Lat2	NM_020044.2	Wbscr15, Wbscr5	linker for activation of T cells family, member 2
Ldlr	NM_010700.2		low density lipoprotein receptor
Lgals3	NM_001145953.1	gal3, Mac-2, galectin-3, L-34	lectin, galactose binding, soluble 3
Lif	NM_008501.2		leukemia inhibitory factor
Lipa	NM_021460.3	LaI, Lip1, Lip-1	lysosomal acid lipase A
Loxl2	NM_033325.2	1110004B06Rik, 9430067E15Rik	lysyl oxidase-like 2
Lpl	NM_008509.2	O 1-4-5	lipoprotein lipase
Lrp5	NM_008513.3	LRP7, LR3	low density lipoprotein receptor-related protein 5
Lrp6	NM_008514.3	Cd, skax26, ska26	low density lipoprotein receptor-related protein 6
Lst1	NM_010734.2	B144	leukocyte specific transcript 1
Lta	NM_010735.2	LTalpha, lymphotoxin alpha, hlb382,	lymphotoxin A
Lta4h	NM_008517.2	LTA4 hydrolase	leukotriene A4 hydrolase
Ltb	NM_008518.2	LTbeta, p33, Tnfsf3, lymphotoxin be	lymphotoxin B
Ltb4r1	NM_008519.2	BLTR, BLT1, mBLTR	leukotriene B4 receptor 1
Ltb4r2	NM_020490.2	BLT2, 5830462O07Rik	leukotriene B4 receptor 2
Ly6c1	NM_010741.3	Ly6c, Ly-6C	lymphocyte antigen 6 complex, locus C1
Ly6g	XM_909927.2	Gr1, Ly-6G, Gr-1	lymphocyte antigen 6 complex, locus G
Mafb	NM_010658.2	Krml, Krml1, Kreisler	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B (avian)
Maff	NM_010755.3		v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)
Malt1	NM_172833.2	Pcasp1, paracaspase, D430033E09Rik	MALT1 paracaspase
Man2b1	NM_010764.2	lysosomal alpha-mannosidase	mannosidase 2, alpha B1

Map2k1	NM_008927.3	Mek1, Prkmk1, MAP kinase kinase 1	mitogen-activated protein kinase kinase 1
Map2k2	NM_023138.4	Prkmk2, MAP kinase/Erk kinase, MEK	mitogen-activated protein kinase kinase 2
Map2k3	NM_008928.4	Prkmk3, MAP kinase kinase 3, MKK3	mitogen-activated protein kinase kinase 3
Map2k4	NM_009157.4	MKK4, Sek1, Serk1, JNKK1	mitogen-activated protein kinase kinase 4
Map3k14	NM_016896.3	Nik	mitogen-activated protein kinase kinase kinase 14
Map3k4	NM_011948.2	Tas, Mekk4, MAPKKK4, D17Rp17, MT	mitogen-activated protein kinase kinase kinase 4
Mapk11	NM_011161.5	Prkm11, Sapk2, P38b, p38beta	mitogen-activated protein kinase 11
Mapk12	NM_013871.3	Prkm12, P38gamma, Erk6, Sapk3	mitogen-activated protein kinase 12
Mapk13	NM_011950.1	p38 delta MAP kinase, Serk4, SAPK4	mitogen-activated protein kinase 13
Mapk14	NM_011951.2	p38a, p38 MAP kinase alpha, p38, p3	mitogen-activated protein kinase 14
Marcksl1	NM_010807.4	Macs3, D4Bc1, MacMARCKS, Macs2, M	MARCKS-like 1
Marco	NM_010766.2	Scara2	macrophage receptor with collagenous structure
Mcm5	NM_008566.2	Mcmd5, mCD46, Cdc46	minichromosome maintenance complex component 5
Mertk	NM_008587.1	Eyk, Tyro 12, nmf12, Mer, Nyk	c-mer proto-oncogene tyrosine kinase
Met	NM_008591.1	Par4, HGF receptor, c-Met	met proto-oncogene
Mif	NM_010798.2	Glif	macrophage migration inhibitory factor
Mmp10	NM_019471.2	stromelysin 2	matrix metalloproteinase 10
Mmp12	NM_008605.3	Mmel, macrophage elastase, MMP12	matrix metalloproteinase 12
Mmp13	NM_008607.1	Clg, Mmp1, collagenase-1, interstiti	matrix metalloproteinase 13
Mmp19	NM_021412.2		matrix metalloproteinase 19
Mmp1a	NM_032006.3	Mcol-A	matrix metalloproteinase 1a (interstitial collagenase)
Mmp8	NM_008611.4	Collagenase-2	matrix metalloproteinase 8
Mmp9	NM_013599.2	B/MMP9, MMP-9, Gel B, gelatinase B	matrix metalloproteinase 9
Mob3c	NM_175308.4	Mobkl2c, MOB3C, D130076106Rik	MOB kinase activator 3C
Mok	NM_011973.2	Stk30, Rage, MAPK/MAK/MRK/ overl	MOK protein kinase
Mpeg1	NM_010821.1	MPS1, Mpg-1	macrophage expressed gene 1
Mpo	NM_010824.2		myeloperoxidase
Mrc1	NM_008625.1	MR, CD206	mannose receptor, C type 1
Mrc2	NM_008626.3	uPARAP, novel lectin, Endo180	mannose receptor, C type 2
Ms4a1	NM_007641.5	Cd20, Ly-44	membrane-spanning 4-domains, subfamily A, member 1
Ms4a2	NM_001276330.1	FcRB, Fce1b, Fcer1b, Fcrlbeta	membrane-spanning 4-domains, subfamily A, member 2
Msc	NM_010827.2	MyoR, bHLHa22	musculin
Msh2	NM_008628.2		mutS homolog 2 (E. coli)
Mx1	NM_010846.1	myxovirus (influenza) resistance 1 p	MX dynamin-like GTPase 1
Mx2	NM_013606.1	Mx-2	MX dynamin-like GTPase 2
Myc	NM_010849.4	Myc2, Nird, c-myc, bHLHe39, Niard	myelocytomatosis oncogene
Myd88	NM_010851.2		myeloid differentiation primary response gene 88
Myh4	NM_010855.2	MyHC-IIb, MHC2B, MM, Minmus, MYH	myosin, heavy polypeptide 4, skeletal muscle
Myod1	NM_010866.2	bHLHc1, MyoD, Myod-1, MYF3	myogenic differentiation 1
Nampt	NM_021524.1	1110035014Rik, Visfatin, Pbef1	nicotinamide phosphoribosyltransferase
Ncf2	NM_010877.4	NOXA2, Ncf-2, NADPH oxidase subun	neutrophil cytosolic factor 2
Ncor1	NM_011308.2	Rxrip13, 5730405M06Rik, N-CoR, A23	nuclear receptor co-repressor 1
Ndc80	NM_023294.2	2610020P18Rik, Kntc2, HEC1	NDC80 homolog, kinetochore complex component (S. cerevisiae)
Ndufa7	NM_023202.2	NADH oxidoreductase, 14.5kDa, 240	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7 (B14.5a)
Nectin1	NM_021424.2	Cd111, HlgR, HveC, nectin-1, PRR, P	nectin cell adhesion molecule 1
Nectin2	NM_001159724.1	Cd112, MPH, nectin-2, Pvr12, Pvs	nectin cell adhesion molecule 2
Nfatc1	NM_016791.4	2210017P03Rik, NF-ATc, NFAT2, NFAT	nuclear factor of activated T cells, cytoplasmic, calcineurin dependent 1
Nfatc2	NM_001037177.1	NFAT1-D, NFATp, NFAT1	nuclear factor of activated T cells, cytoplasmic, calcineurin dependent 2
Nfil3	NM_017373.3	E4BP4	nuclear factor, interleukin 3, regulated
Nfkb1	NM_008689.2	p50/p105, NF-kappaB, p50 subunit c	nuclear factor of kappa light polypeptide gene enhancer in B cells 1, p105
Nfkbia	NM_010907.2	Nfkb1, I(Kappa)B(alpha), IkappaBalp	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, alpha
Nfkbie	NM_008690.3		nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, epsilon
Nfkbiz	NM_030612.1	Mail	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, zeta
Nfyc	NM_001048168.2		nuclear transcription factor-Y gamma
Ngf	NM_001112698.1	Ngfb	nerve growth factor
Nkg7	NM_024253.4	2500004F03Rik	natural killer cell group 7 sequence
Nlrp3	NM_145827.3	cryopyrin, Pypaf1, Mmig1, Cias1, NA	NLR family, pyrin domain containing 3
Nmb	NM_026523.2	3110023K12Rik	neuromedin B
Nod1	NM_172729.2	F830007N14Rik, Nlrc1, Card4	nucleotide-binding oligomerization domain containing 1
Nod2	NM_145857.2	Nlrc2, Card15, F830032C23Rik	nucleotide-binding oligomerization domain containing 2
Nos2	NM_010927.3	NOS-II, iNOS, Nos-2, Nos2a	nitric oxide synthase 2, inducible
Nox1	NM_172203.1	Nox-1, GP91 phox homolog	NADPH oxidase 1
Nox3	NM_198958.2	het, nmf250	NADPH oxidase 3
Nox4	NM_015760.4		NADPH oxidase 4
Nr1h3	NM_001177730.1	Unr1, LXR alpha	nuclear receptor subfamily 1, group H, member 3
Nr2f6	NM_010150.2	COUP-TF3, Erbal2, EAR2	nuclear receptor subfamily 2, group F, member 6
Nr4a1	NM_010444.1	N10, Hmr, Gfrp, NGFI-B, TIS1, Nur77	nuclear receptor subfamily 4, group A, member 1
Nr4a2	NM_001139509.1	Nurr1, HZF-3, RNR-1	nuclear receptor subfamily 4, group A, member 2
Nrip3	NM_020610.1	A330103B05Rik, ICRFP703B1614Q5.2	nuclear receptor interacting protein 3
Olr1	NM_001301094.1	LOX-1, SR-EI, Scare1	oxidized low density lipoprotein (lectin-like) receptor 1
Oscar	NM_175632.3	mOSCAR	osteoclast associated receptor
Osm	NM_001013365.2	OncoM	oncostatin M
P2rx1	NM_008771.3	RP-2, P2X1 receptor, P2x, Pdc3	purinergic receptor P2X, ligand-gated ion channel, 1
Pbx1	NM_008783.2	Pbx-1, D230003C07Rik, Pbx1a, 2310	pre B cell leukemia homeobox 1
Pbx3	NM_016768.1		pre B cell leukemia homeobox 3
Pdcd1	NM_008798.1	PD-1, Pdc1	programmed cell death 1
Pdcd1lg2	NM_021396.2	Btdc, B7-DC, F730015O22Rik, PD-L2	programmed cell death 1 ligand 2
Pde4a	NM_183408.3	dunce, D9Ertd60e, Dpde2	phosphodiesterase 4A, cAMP specific
Pdgfa	NM_008808.3		platelet derived growth factor, alpha
Pdgfb	NM_011057.3	Sis, PDGF-B	platelet derived growth factor, B polypeptide
Pdgfra	NM_001083316.1	Pdgfr-2, CD140a	platelet derived growth factor receptor, alpha polypeptide
Pdgfrb	NM_008809.1	CD140b, Pdgfr	platelet derived growth factor receptor, beta polypeptide
Pdzk1ip1	NM_001164557.1	0610007F13Rik, 2700030M23Rik, Mar	PDZK1 interacting protein 1
Peli1	NM_023324.2	A930031K15Rik, 2810468L03Rik, D11	pellino 1
Pf4	NM_019932.4	Cxcl4, Scyb4, Pf4	platelet factor 4
Pfdn6	NM_001185182.1	H-2Ke2, Ke-2, H2-Ke2	prefoldin subunit 6
Pggt1b	NM_172627.3	BGG1, 2010207C17Rik, GGT1	protein geranylgeranyltransferase type I, beta subunit
Pglyrp1	NM_009402.2	Tag7, PGRP-S, Tag7, peptidoglycan	peptidoglycan recognition protein 1
Phlda2	NM_009434.2	Tssc3, lpl	pleckstrin homology-like domain, family A, member 2
Pik3cg	NM_020272.2	5830428L06Rik, p110gamma, PI(3)Kc	phosphoinositide-3-kinase, catalytic, gamma polypeptide
Pim2	NM_138606.2	DXCch3, Pim-2	proviral integration site 2

Plau	NM_008873.2	urokinase-type plasminogen activator	plasminogen activator, urokinase
Plaur	NM_011113.3	uPAR, urokinase-type plasminogen a	plasminogen activator, urokinase receptor
Pparg	NM_011146.1	PPARgamma2, PPARgamma, PPAR-ga	peroxisome proliferator activated receptor gamma
Prdx1	NM_011034.4	Prx I, TDX2, thioredoxin dependent	peroxiredoxin 1
Prdx3	NM_007452.2	Aop1, SP22, Prx III, D0Tohi1, Ef2L, M	peroxiredoxin 3
Prg2	NM_008920.4	mMBP, mMBP-1	proteoglycan 2, bone marrow
Prg3	NM_016914.2	major basic protein 2, MBP2	proteoglycan 3
Prkca	NM_011101.3	Pkca	protein kinase C, alpha
Prkci	NM_008857.3	Pkci, Pkcl, aPKClambda, PKClambda	protein kinase C, iota
Prok2	NM_001037539.2	PK2, Bombina variegata 8kDa protei	prokineticin 2
Pros1	NM_011173.2	protein S	protein S (alpha)
Prrx1	NM_175686.3	mHox, A230024N07Rik, K-2, Prx1, m	paired related homeobox 1
Psemb8	NM_010724.2	Lmp7, Lmp-7	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)
Psemb9	NM_013585.2	Lmp2, Lmp-2	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)
Psmc2	NM_001029855.1	PA28b	proteasome (prosome, macropain) activator subunit 2 (PA28 beta)
Ptafr	NM_001081211.1	PAF receptor, PAFR	platelet-activating factor receptor
Ptgdr	NM_008962.4	DP	prostaglandin D receptor
Ptgdr2	NM_009962.2	PGD2 receptor, Crth2, Gpr44	prostaglandin D2 receptor 2
Ptgds	NM_008963.2	Ptgs3, PGD2, L-PGDS	prostaglandin D2 synthase (brain)
Ptger2	NM_008964.4	EP2 receptor, EP2, Ptgerp2	prostaglandin E receptor 2 (subtype EP2)
Ptgs1	NM_008969.3	COX1, cyclooxygenase 1, Cox-1, Pgh	prostaglandin-endoperoxide synthase 1
Ptgs2	NM_011198.3	COX2, cyclooxygenase-2, PGHS-2, Cc	prostaglandin-endoperoxide synthase 2
Ptpn14	NM_008976.2	OTTMUSG00000022087, C130080N23	protein tyrosine phosphatase, non-receptor type 14
Ptpnb	NM_029928.1	VE-PTP, 3230402H02Rik	protein tyrosine phosphatase, receptor type, B
Ptpnc	NM_011210.3	Lyt-4, CD45, B220, Ly-5, T200	protein tyrosine phosphatase, receptor type, C
Ptpnk	NM_008983.2	PTPK, RPTPkappa	protein tyrosine phosphatase, receptor type, K
Ptx3	NM_008987.3	TSG-14, pentraxin 3	pentraxin related gene
Pycard	NM_023258.4	Asc, 9130417A21Rik, TMS-1	PYD and CARD domain containing
Rab20	NM_011227.1	D8Ert350e	RAB20, member RAS oncogene family
Rab3d	NM_031874.4	C130057E11Rik	RAB3D, member RAS oncogene family
Rad51	NM_011234.4	Rad51a, Reca	RAD51 homolog
Raf1	NM_029780.3	c-Raf, 6430402F14Rik, Raf-1, v-Raf,	v-raf-leukemia viral oncogene 1
Rapgef4	NM_019688.2	1300003D15Rik, 5730402K07Rik, cAM	Rap guanine nucleotide exchange factor (GEF) 4
Rasal1	NM_013832.4	MRASAL	RAS protein activator like 1 (GAP1 like)
Rasgrf2	NM_009027.3	6330417G04Rik, Grf2	RAS protein-specific guanine nucleotide-releasing factor 2
Rbp1	NM_011254.5	Rbp-1, Crbp, CRBPI	retinol binding protein 1, cellular
Retnlb	NM_020509.3	1810019L16Rik, RELMa, Fizz1, Fizz-1	resistin like alpha
Retnlb	NM_023881.4	RELMbeta, Fizz2, Xcp3, 9030012B21	resistin like beta
Rgl1	NM_016846.3	Rgl	ral guanine nucleotide dissociation stimulator,-like 1
Rgs1	NM_015811.1	BL34	regulator of G-protein signaling 1
Rgs16	NM_011267.3	Rgsr	regulator of G-protein signaling 16
Rgs6	NM_015812.3		regulator of G-protein signaling 6
Rhoc	NM_007484.2	Arh9, Arhc	ras homolog gene family, member C
Rhog	NM_019566.3	Arhg, RhoG, 2810426G09Rik, Sid107	ras homolog gene family, member G
Rhoj	NM_023275.2	TC10L, TCL, Arhj, 1110005O19Rik	ras homolog gene family, member J
Rictor	NM_030168.3	4921505C17Rik, 6030405M08Rik, D5	RPTOR independent companion of MTOR, complex 2
Rin2	NM_028724.4	RASSF4, 4632403N06Rik, 2010003K1	Ras and Rab interactor 2
Ripk2	NM_138952.3	CCK, CARD3, 2210420D18Rik, D4Bwg	receptor (TNFRSF)-interacting serine-threonine kinase 2
Rnase2a	NM_053113.2	Ear11	ribonuclease, RNase A family, 2A (liver, eosinophil-derived neurotoxin)
Rnase2b	NM_019398.2	murine ribonuclease 5, Ear5, mR5	ribonuclease, RNase A family, 2B (liver, eosinophil-derived neurotoxin)
Rnd3	NM_028810.2	Arhe, Rho, 2610017M01Rik	Rho family GTPase 3
Ros1	NM_011282.2	Ros-1, c-ros	Ros1 proto-oncogene
Runx2	NM_009820.5	PEBP2aA, AML3, Osf2, SL3-3 enhance	runt related transcription factor 2
S100a10	NM_009112.2	Cal1l, 42C, CLP11, CAL12, p10	S100 calcium binding protein A10 (calpactin)
S100a11	NM_016740.3	S100c, cal, calgizzarin, S100a14, Em	S100 calcium binding protein A11
S100a4	NM_011311.2	calvasculin, FSp1, Mts1, 18A2, CAPL	S100 calcium binding protein A4
S100a8	NM_013650.2	CFAg, 60B8Ag, B8Ag, Caga, CP-10, pi	S100 calcium binding protein A8 (calgranulin A)
S100a9	NM_009114.2	GAGB, 60B8Ag, Cagb, MRP14, BEE22	S100 calcium binding protein A9 (calgranulin B)
S1pr1	NM_007901.4	S1P, S1P1, Edg1	sphingosine-1-phosphate receptor 1
Saa1	NM_009117.3	Saa-1	serum amyloid A 1
Scin	NM_009132.2	adseverin	scinderin
Sele	NM_011345.2	CD62E, Elam, E-selectin	selectin, endothelial cell
Sell	NM_001164059.1	Lnh, Lyam1, Lyam-1, LECAM-1, CD6	selectin, lymphocyte
Selp	NM_011347.1	CD62P, Grmp, P-selectin	selectin, platelet
Selp1g	NM_009151.3	Psgl1, Psgl-1, CD162	selectin, platelet (p-selectin) ligand
Sema4a	NM_013658.3	SemB, Semab, SemB	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin)
Sema4b	NM_013659.4	SemC, Semac	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin)
Sema5a	NM_009154.2	9130201M22Rik, semF, Semaf, M-Sem	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytopla
Sema6d	NM_199240.2	Sema6D-1, Sema6D-5, 1110067B02Ri	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D
Serinc2	NM_172702.3	2310004K20Rik, Tde2L, FKSg84, TDE	serine incorporator 2
Serpinb2	NM_001174170.1	ovalbumin, Planh2, PAI-2	serine (or cysteine) peptidase inhibitor, clade B, member 2
Serpinb6a	NM_001164117.1	Spi3, D330015H01Rik, ovalbumin, 49	serine (or cysteine) peptidase inhibitor, clade B, member 6a
Serpinb7	NM_027548.3	ovalbumin, 4631416M05Rik, megsin	serine (or cysteine) peptidase inhibitor, clade B, member 7
Serpinb9	NM_009256.3	ovalbumin, PI-9, Spi6	serine (or cysteine) peptidase inhibitor, clade B, member 9
Serpine1	NM_008871.2	Planh1, PAI-1, PAI1	serine (or cysteine) peptidase inhibitor, clade E, member 1
Serpine3	NM_001199945.1	E130113E03Rik	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 3
Sesn1	NM_001013370.2	SEST1, 1110002G11Rik, PA26	sestrin 1
Sfrp4	NM_016687.2		secreted frizzled-related protein 4
Sgpp1	NM_030750.3	SPP1, SPP, mSPP1	sphingosine-1-phosphate phosphatase 1
Siglec1	NM_011426.3	Siglec-1, Sn, CD169	sialic acid binding Ig-like lectin 1, sialoadhesin
SiglecF	NM_145581.1	mSiglec-F, Siglec5	sialic acid binding Ig-like lectin F
Sirpa	NM_007547.2	P84, Ptpns1, Bit, SIRP, CD172a, SHPS	signal-regulatory protein alpha
Ski	NM_011385.2	2310012I02Rik, 2610001A11Rik	ski sarcoma viral oncogene homolog (avian)
Skil	NM_011386.2	Skir, sno-dE3, SnoN2, SnoN, 9130011	SKI-like
Slc16a6	NM_134038.2		solute carrier family 16 (monocarboxylic acid transporters), member 6
Smad1	NM_008539.3	Madr1, Smad 1, Madh1	SMAD family member 1
Smad2	NM_010754.4	Madh2, Madr2, 7120426M23Rik, Sma	SMAD family member 2
Smad7	NM_001042660.1	Madh7	SMAD family member 7
Smarcd3	NM_025891.3	BAF60C, 2210409C08Rik, 1500001J1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3
Socs1	NM_009896.2	Cish7, JAK-binding protein, JAK2-bir	suppressor of cytokine signaling 1
Socs2	NM_001168655.1	JAB, CIS2, SSI-2, STAT-induced STAT	suppressor of cytokine signaling 2

Socs3	NM_007707.2	Cish3, EF-10, cytokine-inducible SH2 suppressor of cytokine signaling 3	
Sp4	NM_009239.2	HF1-b, HF1-b, 5730497N03Rik	trans-acting transcription factor 4
Sphk1	NM_011451.3	SK1, 1110006G24Rik	sphingosine kinase 1
Spry2	NM_011897.3	sprouty2	sprouty homolog 2 (Drosophila)
Sptbn1	NM_009260.2	beta fodrin, elf3, brain spectrin, spectrin beta, non-erythrocytic 1	spectrin beta, non-erythrocytic 1
Sqstm1	NM_011018.2	p62, OSF-6, STAP, Osi, A170	sequestosome 1
Stab1	NM_138672.2	MS-1	stabilin 1
Stat1	NM_009283.3	2010005J02Rik	signal transducer and activator of transcription 1
Stat3	NM_213659.2	Aprf, 1110034C02Rik	signal transducer and activator of transcription 3
Stat4	NM_011487.4		signal transducer and activator of transcription 4
Stat5a	NM_011488.2	STAT5	signal transducer and activator of transcription 5A
Stat5b	NM_001113563.1		signal transducer and activator of transcription 5B
Stat6	NM_009284.2		signal transducer and activator of transcription 6
Syk	NM_001198977.1	Sykb	spleen tyrosine kinase
Tap1	NM_001161730.1	MTP1, Tap-1, TAP, RING4, Ham-1, PS	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
Tap2	NM_011530.3	HAM2, MTP2, PSF2, Abcb3, Ham-2, H	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
Tapbp	NM_009318.2	TPN, tapasin, D17Wsu91e	TAP binding protein
Tek	NM_013690.2	Tie2, Hyk, Cd202b, tie-2	endothelial-specific receptor tyrosine kinase
Tep1	NM_009351.2	Tp1	telomerase associated protein 1
Terf2ip	NM_020584.2	Rap1	telomeric repeat binding factor 2, interacting protein
Tfcp2	NM_033476.2	LBP1, CP2, UBP-1, LSF, D230015P20F	transcription factor CP2
Tgfa	NM_031199.2		transforming growth factor alpha
Tgfb1	NM_011577.1	TGFbeta1, Tgfb, TGF-beta 1, Tgfb-1	transforming growth factor, beta 1
Tgfb3	NM_011578.3	1110036H20Rik, betaglycan, TBRIII	transforming growth factor, beta receptor III
Tgm2	NM_009373.3	TG C, protein-glutamine gamma-glu	transglutaminase 2, C polypeptide
Thbd	NM_009378.3	CD141, TM	thrombomodulin
Tigit	NM_001146325.1	Vstm3, ENSMUSG00000071552	T cell immunoreceptor with Ig and ITIM domains
Timd4	NM_178759.4	TIM-4, Tim4, B430010N18Rik	T cell immunoglobulin and mucin domain containing 4
Timp3	NM_011595.2	Timp-3	tissue inhibitor of metalloproteinase 3
Tlr1	NM_030682.1		toll-like receptor 1
Tlr11	NM_205819.2	LOC239081	toll-like receptor 11
Tlr12	NM_205823.2	Tlr11, LOC384059	toll-like receptor 12
Tlr13	NM_205820.1	LOC279572	toll-like receptor 13
Tlr2	NM_011905.2	Ly105	toll-like receptor 2
Tlr3	NM_126166.2		toll-like receptor 3
Tlr4	NM_021297.2	Rasl2-8, Lps, lipopolysaccharide resp	toll-like receptor 4
Tlr5	NM_016928.2		toll-like receptor 5
Tlr6	NM_011604.3		toll-like receptor 6
Tlr7	NM_133211.3		toll-like receptor 7
Tlr8	NM_133212.2		toll-like receptor 8
Tlr9	NM_031178.2		toll-like receptor 9
Tm7sf3	NM_026281.2	2010003B14Rik	transmembrane 7 superfamily member 3
Tmem173	NM_028261.1	ERIS, Sting, MPYS, 2610307O08Rik	transmembrane protein 173
Tnc	NM_011607.1	TN-C, cytotactin, tenascin-C, Hxb, C	tenascin C
Tnf	NM_013693.2	TNFalpha, Tnfa, TNF-alpha, Tnfsf1a,	tumor necrosis factor
Tnfaip3	NM_009397.2	A20, zinc finger protein A20, Tnfp3	tumor necrosis factor, alpha-induced protein 3
Tnfaip6	NM_009398.2	Tsg6, Tnfp6, TSG-6	tumor necrosis factor alpha induced protein 6
Tnfaip8	NM_134131.2	E130304C20Rik, Gg2-1, Ssc-2, Nded,	tumor necrosis factor, alpha-induced protein 8
Tnfrsf11a	NM_009399.3	TRANCE-R, Rank	tumor necrosis factor receptor superfamily, member 11a, NFKB activator
Tnfrsf12a	NM_001161746.1	TWEAK-R, TweakR, Fn14	tumor necrosis factor receptor superfamily, member 12a
Tnfrsf14	NM_178931.2	HveA, Atar, Hvem	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)
Tnfrsf1a	NM_011609.2	CD120a, TNF receptor alpha chain, T	tumor necrosis factor receptor superfamily, member 1a
Tnfrsf1b	NM_011610.3	Tnfr2, p75 TNFR, TNF-alphaR2, CD1	tumor necrosis factor receptor superfamily, member 1b
Tnfrsf4	NM_011659.2	Ox40, ACT35, CD134, Txgp1	tumor necrosis factor receptor superfamily, member 4
Tnfrsf8	NM_009401.2	CD30	tumor necrosis factor receptor superfamily, member 8
Tnfrsf9	NM_001077508.1	ILA, CDw137, 4-1BB, Cd137, A93004	tumor necrosis factor receptor superfamily, member 9
Tnfsf10	NM_009425.2	APO-2L, A330042I21Rik, Trail	tumor necrosis factor (ligand) superfamily, member 10
Tnfsf4	NM_009452.2	Txgp1l, Ath-1, Ath1, OX40L, CD134L	tumor necrosis factor (ligand) superfamily, member 4
Tnfsf9	NM_009404.3	4-1BB-L, 4-1BB ligand, Ly63l, Cd137l	tumor necrosis factor (ligand) superfamily, member 9
Top2a	NM_011623.2	Top-2, DNA Topoisomerase II alpha	topoisomerase (DNA) II alpha
Tpsb2	NM_010781.3	MMCP-6, Mcp-6, Mcpt6, Mcp6	tryptase beta 2
Traf1	NM_009421.3	4732496E14Rik	TNF receptor-associated factor 1
Traf2	NM_009422.2		TNF receptor-associated factor 2
Traf6	NM_009424.2	2310003F17Rik, C630032O20Rik	TNF receptor-associated factor 6
Trafd1	NM_172275.2	Fln29, 1110008K06Rik	TRAF type zinc finger domain containing 1
Trem1	NM_021406.5		triggering receptor expressed on myeloid cells 1
Trem2	NM_031254.2	Trem2b, Trem2c, Trem2a	triggering receptor expressed on myeloid cells 2
Trex1	NM_011637.6		three prime repair exonuclease 1
Trim9	NM_001110202.1	C030048G07Rik	tripartite motif-containing 9
Tspan7	NM_019634.2	Tm4sf2, 1200014P11Rik, A15, PE31,	tetraspanin 7
Tspan8	NM_001168680.1	Tm4sf3, E330007O21Rik	tetraspanin 8
Ttk	NM_009445.2	Mps1, Esk1	Ttk protein kinase
Tuba1a	NM_011653.2	Tuba-1, Talpha1 alpha-tubulin, Tuba	tubulin, alpha 1A
Tuba4a	NM_009447.3	Tuba4, M[a]4	tubulin, alpha 4A
Twistnb	NM_172253.2	2810024J17Rik, D16Wsu83e	twist basic helix-loop-helix transcription factor 1 neighbor
Txn1	NM_011660.3	Trx1	thioredoxin 1
Txndc16	NM_172597.2	5730420B22Rik	thioredoxin domain containing 16
Tyrobp	NM_011662.2	KARAP, DAP12, killer cell activating	TYRO protein tyrosine kinase binding protein
Usp18	NM_011909.2	UBP43, 1110058H21Rik	ubiquitin specific peptidase 18
Vamp2	NM_009497.3	Syb-2, synaptobrevin II, sybII, Syb2,	vesicle-associated membrane protein 2
Vasp	NM_009499.2		vasodilator-stimulated phosphoprotein
Vav1	NM_011691.4		vav 1 oncogene
Vav2	NM_009500.1	2810040F13Rik	vav 2 oncogene
Vcam1	NM_011693.2	CD106, Vcam-1	vascular cell adhesion molecule 1
Vegfa	NM_001025250.3	Vegf, VEGF120, VEGF188, VEGF-A, V	vascular endothelial growth factor A
Vegfc	NM_009506.2	VEGF-C	vascular endothelial growth factor C
Vrk2	NM_001252447.1	2810003O05Rik	vaccinia related kinase 2
Vsir	NM_001159572.1	Dies1, PD-1H, 4632428N05Rik, VISTA	V-set immunoregulatory receptor
Vtcn1	NM_178594.3	B7x, B7-H4	V-set domain containing T cell activation inhibitor 1
Vwa5a	NM_172767.3	Loh11cr2a, 5830475I06Rik, BCSC-1	von Willebrand factor A domain containing 5A
Was	NM_009515.2	U42471, Wasp	Wiskott-Aldrich syndrome homolog (human)



Xcr1	NM_011798.4	Cxcr1, C motif-1/lymphotactin receptor	chemokine (C motif) receptor 1
Yap1	NM_009534.3	yorkie, Yki, Yap	yes-associated protein 1
Yes1	NM_001205132.1	Yes	YES proto-oncogene 1, Src family tyrosine kinase
Zfp148	NM_011749.4	BERF-1, BFCOL1, ZBP-89, 2210405J0	zinc finger protein 148
Zfp92	NM_009566.4		zinc finger protein 92
Zmpste24	NM_172700.2	A530043O15Rik	zinc metalloproteinase, STE24
Znrf2	NM_199143.2	D6Ert365e, 1190002C14Rik	zinc and ring finger 2
Abcf1	NM_013854.1	GCN20, D17Wsu166e, Abc50	ATP-binding cassette, sub-family F (GCN20), member 1
Alas1	NM_020559.2	Alas-1, ALAS-N, succinyl-CoA: glycine	aminolevulinic acid synthase 1
Edc3	NM_153799.3	Lsm16, Yjdc	enhancer of mRNA decapping 3
Eef1g	NM_026007.4	EF1G, 2610301D06Rik	eukaryotic translation elongation factor 1 gamma
Eif2b4	NM_001127355.1	Eif2b	eukaryotic translation initiation factor 2B, subunit 4 delta
G6pdx	NM_008062.2	G28A, G6pd, Gpdx	glucose-6-phosphate dehydrogenase X-linked
Gusb	NM_010368.1	Gut, Gus-s, asd, g, adipose storage c	glucuronidase, beta
Hdac3	NM_010411.2		histone deacetylase 3
Hprt	NM_013556.2	Hprt1	hypoxanthine guanine phosphoribosyl transferase
Nubp1	NM_011955.2		nucleotide binding protein 1
Oaz1	NM_008753.4	Antizyme, AZ-1, AZ1, antizyme 1	ornithine decarboxylase antizyme 1
Polr1b	NM_009086.2	RPA116, RPA2, Rpo1-2, 128kDa, D63C	polymerase (RNA) I polypeptide B
Polr2a	NM_001291068.1	Rpo2-1, 220kDa	polymerase (RNA) II (DNA directed) polypeptide A
Ppia	NM_008907.1	Cphn, Cyp-18, cyclophilin A, CypA	peptidylprolyl isomerase A
Rpl19	NM_009078.2		ribosomal protein L19
Sap130	NM_172965.2	2610304F09Rik	Sin3A associated protein
Sdha	NM_023281.1	SDH2, 2310034D06Rik, FP, SDHF	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)
Sf3a3	NM_029157.3	4930512K19Rik, 60kDa	splicing factor 3a, subunit 3
Tbp	NM_013684.3	Gtf2d	TATA box binding protein
Tubb5	NM_011655.4	B130022C14Rik	tubulin, beta 5 class I