

nCounter Mouse Inflammation V2 Panel Gene List					
Official Symbol	Accession	Alias / Prev Symbol	GO Annotation*	Official Full Name	Status
C1s	NM_144938.2	A959438, A255193, A327365, C1sa	Extracellular Region, Proteolysis, Innate Immune Response, Serine Type Peptidase Activity, Calcium Ion Binding, Peptidase Activity, Serine Type Endopeptidase Activity	complement component 1, s subcomponent	
C4a	NM_011413.2	Slp		complement component 4A, (Rodgers blood group)	
C7	NM_356897.6	A53026G17, Gm1238		complement component 7	
Ccl19	NM_011888.2	Ckb11, ELC, MIP3b, Scya19, exodus-3	External Side Of Plasma Membrane, Positive Regulation Of I KappaB Kinase Nf KappaB Cascade, Chemokine Activity	chemokine (C-C motif) ligand 19	
Ccl21a	NM_011124.4	6CKBAC2, 6ckine, ALP, AW987545, Ckb9, SCYA21a, SLC, Scya21, Scya21b, Tsak, pit		chemokine (C-C motif) ligand 21A (serine)	
Ccl8	NM_021443.2	1810063B20Rik, AB023418, HC14, MCP-2, Mcp2, Scya8		chemokine (C-C motif) ligand 8	
Ch3l3	NM_009892.1			chitinase 3-like 3	NEW
Defa1s1	NM_007844.2	2010300L12Rik, 2010319H24Rik, CRS1C, CRS1C-2, CRS1C-5, Defcr-1		defensin, alpha, related sequence 1	NEW
Ifi3	NM_010501.1	Ifi49, P49		interferon-induced protein with tetratricopeptide repeats 3	NEW
Ifi1	NM_010502.2	Ifi1		interferon alpha 1	
Il1a	NM_010554.4	Il-1a		interleukin 1 alpha	
Il22	NM_016971.1	IL-22, IL-22A, ILTfA, Ilf		interleukin 22	
Rhoa	NM_016802.4	Arha, Arha1, Arha2		ras homolog gene family, member A	
Ager	NM_007425.2	RAGE	Axon, Membrane, Cytoplasm, Nucleus, Cytosol, Cytoskeleton, Lamellipodium, Apical Junction Complex, Cell Cortex, Membrane Fraction, Mitochondrion, Plasma Membrane, Soluble Fraction, Regulation Of Cell Migration, Positive Regulation Of Caspase Activity, Regulation Of Transcription From Rna Polymerase II Promoter, Actin Cytoskeleton Organization And Biogenesis	advanced glycosylation end product-specific receptor	NEW
Alox12	NM_007440.4	9930022G08Rik, Alox12p, P-12LO		arachidonate 12-lipoxygenase	NEW
Alox15	NM_009560.3	12-LO, 12/15-LO, 15-LOX, Alox12l, L-12LO		arachidonate 15-lipoxygenase	NEW
Alox5	NM_009652.2	5-LO, 5-LOX, 5LO, 5LX, AIB50497, F730011J02		arachidonate 5-lipoxygenase	NEW
Areg	NM_009704.3	AR, Sdgf		amphiregulin	NEW
Arg1	NM_007482.3	AI, AIZ6583, Arg-1, PGIF		arginase, liver	NEW
Aif2	NM_001025093.1	Aif-2, CRE-BP, Creb2, D130078H02Rik, D18875, Tg(Gzma-Klra1)7Wum, mXPB	Nucleus, Membrane Fraction, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Transcription Dna Dependent, Regulation Of Transcription Dna Dependent, Zinc Ion Binding, Sequence Specific Dna Binding, Transcription Factor Activity, Protein Kinase Binding, Protein Heterodimerization Activity, Protein Dimerization Activity, Chromatin B	activating transcription factor 2	
Bcl2l1	NM_009743.4	Bcl2(XL, Bcl-XL, Bcl2l, Bcl2, Bcl-x, bcl-2, bcl2-L-1	Mitochondrial Outer Membrane, Mitochondrial Part, Mitochondrial Membrane, Membrane, Cytoplasm, Cytosol, Cytoskeleton, Integral To Membrane, Centrosome, Mitochondrion, Mitochondrial Envelope, Response To Virus, Cytokinesis, Positive Regulation Of Cell Proliferation, Negative Regulation Of Apoptosis, Anti Apoptosis, Cell Proliferation Go 000283, Resp	BCL2-like 1	NEW
Bcl6	NM_009744.3	Bcl6	Nucleus, Negative Regulation Of Apoptosis, Transcription Dna Dependent, Negative Regulation Of Transcription Dna Dependent, B Cell Differentiation, Actin Cytoskeleton Organization And Biogenesis, Negative Regulation Of Cell Differentiation, Regulation Of Transcription Dna Dependent, Regulation Of Rho Gtpase Activity, Negative Regulation Of Cell Prol	B cell leukemia/lymphoma 6	
Birc2	NM_007465.2	AW146227, Apl1, Apl2, Birc3, HIAP1, HIAP2, IAP1, IAP2, MIAP1, MIAP2, MIHb, MIBc, RNf48, cIAP1, cIAP2, mcIAP1	Cytoplasm, Nucleus, Lipid Raft, Protein Complex, Protein Polyubiquitination, Negative Regulation Of Apoptosis, Regulation Of Cell Cycle, Apoptosis Go, Response To Hypoxia, Zinc Ion Binding, Protein N Terminus Binding, Transcription Coactivator Activity, Ubiquitin Protein Ligase Activity	baculoviral IAP repeat-containing 2	NEW
C1qa	NM_007572.2	AZ55395, C1q		complement component 1, q subcomponent, alpha polypeptide	
C1qb	NM_009777.2			complement component 1, q subcomponent, beta polypeptide	
C1ra	NM_023143.3	A132558, C1r, mC1rA		complement component 1, r subcomponent A	
C2	NM_013484.2			complement component 2 (within H-2S)	
C3	NM_009778.2	AZ55234, ASP, HSE-MSF, Pip		complement component 3	
C3ar1	NM_009779.2	A238, C3AR, HNFAG09		complement component 3a receptor 1	
C6	NM_016704.2	AW111623		complement component 6	
C8a	NM_146148.1			complement component 8, alpha polypeptide	
C8b	NM_133882.2	4930439B20Rik, AIB595027		complement component 8, beta polypeptide	
C9	NM_013485.1			complement component 9	
Ccl11	NM_011330.3	Scya11, eotaxin		chemokine (C-C motif) ligand 11	
Ccl17	NM_011332.2	Abcd-2, Scya17, Scya17l, Tarc		chemokine (C-C motif) ligand 17	
Ccl2	NM_011333.3	Ai323594, HC11, JE, MCAF, MCP-1, MCP1, SMC-CF, Scya2, Sigle		chemokine (C-C motif) ligand 2	
Ccl20	NM_016960.1	CKb4, LARG, MIP-3A, MIP-3[aj], MIP3A, ST38, Scya20, exodus-1		chemokine (C-C motif) ligand 20	NEW
Ccl22	NM_009137.2	ABCD-1, DCBCK, MDC, Scya22		chemokine (C-C motif) ligand 22	
Ccl24	NM_019577.4	CKb-6, MIPF-2, Scya24		chemokine (C-C motif) ligand 24	
Ccl3	NM_011337.1	Ai323804, GOS19-1, LD78alpha, MIP-1alpha, MIP1-(a), MIP1-alpha, Mip1a, Scya3		chemokine (C-C motif) ligand 3	
Ccl4	NM_013652.1	AT744.1, Act-2, MIP-1B, Mip1b, Scya4		chemokine (C-C motif) ligand 4	
Ccl5	NM_013653.1	MuRantes, RANTES, SISd, Scya5, TCP228		chemokine (C-C motif) ligand 5	
Ccl7	NM_013654.2	MCP-3, Scya7, fic, marc, mcp3		chemokine (C-C motif) ligand 7	
Ccr1	NM_009912.4	Cmkbr1, Mip-1a-R		chemokine (C-C motif) receptor 1	
Ccr2	NM_009915.2	Co-ckr-2, Cor2a, Cor2b, Ckr2, Ckr2a, Ckr2b, Cmkbr2, mJ-e		chemokine (C-C motif) receptor 2	
Ccr3	NM_009914.4	CC-CRK3, CKR3, Cmkbr12, Cmkbr3		chemokine (C-C motif) receptor 3	
Ccr4	NM_009916.2	C-C CKR-4, CHEMR1, Cmkbr4, LESTR, Sdf1r		chemokine (C-C motif) receptor 4	
Ccr7	NM_007719.2	CD197, Cdw197, Cmkbr7, EBH, Ebi1h		chemokine (C-C motif) receptor 7	

Gnb1	NM_008142.3	A4409223, C77571, Gnb-1	G Protein Signaling Coupled To Ip3 Second Messengerphospholipase C Activating,Signal Transduction,Sensory Perception Of Taste,Cell Proliferation Go 0002833,G Protein Coupled Receptor Protein Signaling Pathway,G Protein Coupled Receptor Binding Gpase Activity,Gpase Binding	guanine nucleotide binding protein (G protein), beta 1	
Gngt1	NM_010314.2	Gly11, Gngt1	Membrane,Plasma Membrane,Signal Transduction,Phototransduction,G Protein Coupled Receptor Protein Signaling Pathway,Protein Localization,Gpase Activity	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1	
Gpr44	NM_009262.2	Crb2, Grp45, Ptgd2	Membrane,Integral To Membrane,Integral To Plasma Membrane,Plasma Membrane,G Protein Signaling,Adenylyl Cyclase Inhibiting Pathway,Signal Transduction,Calcium Mediated Signaling,G Protein Coupled Receptor Protein Signaling Pathway,G Protein Coupled Receptor Activity,Receptor Activity	G protein-coupled receptor 44	NEW
Grb2	NM_008163.3	A4408164, Ash	Golgi Apparatus,Membrane,Cytoplasm,Nucleus,Endosome,Protein Complex,Plasma Membrane,Vesicle Membrane,Positive Regulation Of Signal Transduction,Insulin Receptor Signaling Pathway,Regulation Of Mapkkk Cascade,Ras Protein Signal Transduction,Anatomical Structure Formation,Aging,Dna Damage Responsesignal Transduction,Protein Domain Specific B	growth factor receptor bound protein 2	
H2-Ea-ps	NM_010381.2	A8323765, E-alpha-f, H-2Ea, H2-Ea, I-Ealpha, Ia-3, Ia3	Transduction,Protein Domain Specific B	histocompatibility 2, class II antigen E alpha, pseudogene	
H2-Eb1	NM_010382.2	H-2Eb, H2Eb, Ia-4, Ia4	External Side Of Plasma Membrane,Membrane,Integral To Membrane,Lysosomal Membrane,Protein Tetramerization,Immune Response	histocompatibility 2, class II antigen E beta	
Hc	NM_010406.1	C5, C5a, He	Extracellular Region,Extracellular Space,Soluble Fraction,Inflammatory Response,Positive Regulation Of Angiogenesis,Innate Immune Response	hemolytic complement	
Hdac4	NM_207225.1	493240819Rik, A047285	Sarcomere,Cytoplasm,Nucleus,Cytosol,Histone Deacetylase Complex,Positive Regulation Of Transcription,Dna Dependent,Positive Regulation Of Cell Proliferation,Chromatin Remodeling,Positive Regulation Of Transcription From Rna Polymerase II Promoter,Transcription Dna Dependent,Skeletal Development,Negative Regulation Of Transcription,Dna Depen	histone deacetylase 4	
Hif1a	NM_010431.2	AA959795, HIF1alpha, MOP1, bHLHe78	Cytoplasm,Nucleus,Transcription Factor Complex,Nucleolus,Positive Regulation Of Transcription,Dna Dependent,Positive Regulation Of Cell Proliferation,Negative Regulation Of Apoptosis,Positive Regulation Of Transcription From Rna Polymerase II Promoter,Signal Transduction,Transcription Dna Dependent,Negative Regulation Of Growth,Epithelial T	hypoxia inducible factor 1, alpha subunit	NEW
Hmgb1	NM_010439.3	DEF, HMG-1, Hmg1, SBP-1, amphoterin, p30	Cell Surface,Extracellular Region,Cytoplasm,Nucleus,Extracellular Space,Condensed Chromosome,Neuron Projection,Nucleolus,Soluble Fraction,Chromosome,Positive Regulation Of Cell Proliferation,Nervous System Development,Neurite Development,Positive Regulation Of Transcription From Rna Polymerase II Promoter,Positive Regulation Of Caspase Act	high mobility group box 1	NEW
Hmgb2	NM_008252.3	C80539, HMG-2, Hmg2	Cytoplasm,Nucleus,Perinuclear Region Of Cytoplasm,Extracellular Space,Condensed Chromosome,Protein Complex,Nucleolus,Soluble Fraction,Chromosome,Positive Regulation Of Transcription,Dna Dependent,Nervous System Development,Positive Regulation Of Transcription From Rna Polymerase II Promoter,Negative Regulation Of Transcription,Dna Dependent,Chromatin,Cytoplasm,Nucleus,Establishment And Or Maintenance Of Chromatin Architecture,Chromatin Binding,Dna Binding	high mobility group box 2	NEW
Hmgn1	NM_008251.3	HMG-14, Hmg14	Chromatin,Cytoplasm,Nucleus,Establishment And Or Maintenance Of Chromatin Architecture,Chromatin Binding,Dna Binding	high mobility group nucleosomal binding domain 1	
Hras1	NM_008284.2		Golgi Apparatus,Membrane,Microsome,Plasma Membrane,Soluble Fraction,Positive Regulation Of Cell Proliferation,Positive Regulation Of Transcription From Rna Polymerase II Promoter,Signal Transduction,Ras Protein Signal Transduction,Negative Regulation Of Cell Proliferation,Cell Proliferation Go 0002823,Positive Regulation Of Epithelial Cell	Harvey rat sarcoma virus oncogene	
Hsh2d	NM_197944.1	ALX, Hsh2	Cytoplasm,Mitochondrion,Positive Regulation Of Signal Transduction,T Cell Activation,SH3 SH2 Adapter Activity	hematopoietic SH2 domain containing	NEW
Hspb1	NM_013560.2	27KDa, Hsp25	Cell Surface,Contractile Fiber,Cytoplasm,Insoluble Fraction,Proteasome Complex,Nucleus,Cytoskeleton,Plasma Membrane,Soluble Fraction,Negative Regulation Of Apoptosis,Response To Stress,Angiogenesis,Regulation Of I Kappa Kinase,NI KappaB Cascade,Lipid Binding,Positive Regulation Of Gene Expression,Positive Regulation Of Cytokine Secretion,Immune Response,Positive Regulation Of Transcription F	heat shock protein 1	
Hspb2	NM_024441.3	27KDa, 281002IG24Rik, HSP27, MKBP	Cytoplasm,Nucleus,Soluble Fraction,Response To Heat,Stress	heat shock protein 2	
I27I2a	NM_029803.1	231006IN23Rik, I27, Isg12, Isg12(b1)	Response To Virus,Aging	interferon, alpha-inducible protein 27 like 2A	NEW
I644	NM_133871.2	AA30056A10Rik, AW261460, MTAP44, p44	Cytoplasm	interferon-induced protein 44	NEW
I6I1	NM_008331.2	ISG56, I656, P56	Cytoplasm,Response To Virus	interferon-induced protein with tetratricopeptide repeats 1	NEW
I6I2	NM_008332.2	AV302338, I654, P54	Response To Virus	interferon-induced protein with tetratricopeptide repeats 2	NEW
Ifb1	NM_010510.1	IFN-beta, IFNB, Ifb	Extracellular Region,Extracellular Space,Response To Virus,Positive Regulation Of Transcription From Rna Polymerase II Promoter,Defense Response,Defense Response To Virus,Defense Response To Bacterium,Humoral Immune Response,Caspase Activation,Hematopoietin Interferon Class200 Domain Cytokine Receptor Binding,Transcription Corepressor Act	interferon beta 1, fibroblast	
Ifg	NM_008337.1	IFN-g, Ifg	External Side Of Plasma Membrane,Extracellular Region,Extracellular Space,Response To Virus,Positive Regulation Of Transcription,Dna Dependent,Positive Regulation Of Transcription From Rna Polymerase II Promoter,Regulation Of Growth,Positive Regulation Of T Cell Proliferation,Defense Response To Virus,Immune Response,Unfolded Protein Respon	interferon gamma	
Igfp1	NM_021792.3	2900074L10Rik, A0464632, AW111922, Iggga1, Igp, Irga6	Golgi Apparatus,Membrane,Cytoplasm,Endoplasmic Reticulum Membrane,Endoplasmic Reticulum,Nucleus,Cytokine And Chemokine Mediated Signaling Pathway,Innate Immune Response,Hydrolase Activity,Acting On Acid Anhydrides,Gtp Binding,Nucleotide Binding,Identical Protein Binding,Gpase Activity	interferon inducible GTPase 1	NEW
Il10	NM_010548.1	CSIF, Il-10	Extracellular Region,Extracellular Space,Positive Regulation Of Transcription,Dna Dependent,Negative Regulation Of Apoptosis,Positive Regulation Of Transcription From Rna Polymerase II Promoter,Inflammatory Response,Regulation Of Gene Expression,Positive Regulation Of Cytokine Secretion,Immune Response,Positive Regulation Of Transcription F	interleukin 10	
Il10b	NM_008349.5	6620401D04Rik, A528744, CRF2-4, Crf4, D16H21558, D21558h, IL-10R2, IL10r2	Receptor Activity	interleukin 10 receptor, beta	
Il11	NM_008350.2	IL-11	Extracellular Region,Cytoplasm,Extracellular Space,Positive Regulation Of Cell Proliferation,Positive Regulation Of Transcription From Rna Polymerase II Promoter,Positive Regulation Of Mapkkk Cascade,Positive Regulation Of Peptidyl Tyrosine Phosphorylation,Cytokine Activity,Growth Factor Activity	interleukin 11	
Il12a	NM_008351.1	IL-12p35, IL-12a, IL12a, p35	Extracellular Region,Cytoplasm,Extracellular Space,Positive Regulation Of T Cell Proliferation,Immune Response,Positive Regulation Of Cell Adhesion,Cell Cycle Arrest Go 0007050,Cell Migration,Protein Heterodimerization Activity,Cytokine Activity,Growth Factor Activity	interleukin 12a	
Il12b	NM_008352.1	IL-12b, IL-12p40, Il12p40, p40	Extracellular Region,Membrane,Cytoplasm,Extracellular Space,Cell Surface Receptor Linked Signal Transduction Go 0007166,Positive Regulation Of T Cell Proliferation,Defense Response To Virus,Cytokine And Chemokine Mediated Signaling Pathway,Positive Regulation Of Cell Adhesion,Cell Cycle Arrest Go 0007050,Cell Migration,Hematopoietin Intert	interleukin 12b	
Il13	NM_008355.2	IL-13	External Side Of Plasma Membrane,Extracellular Region,Cytoplasm,Extracellular Space,Immune Response,Positive Regulation Of Protein Secretion,Hematopoietin Interferon Class200 Domain Cytokine Receptor Binding,Cytokine Activity	interleukin 13	
Il15	NM_008357.1	Ai503618, IL-15	Extracellular Region,Cytoplasm,Extracellular Space,Positive Regulation Of Cell Proliferation,Positive Regulation Of Immune Response,Positive Regulation Of T Cell Proliferation,Immune Response,Hematopoietin Interferon Class200 Domain Cytokine Receptor Binding,Cytokine Activity	interleukin 15	
Il17a	NM_010552.3	C11a-8, C11a8, IL-17, IL-17A, I17	External Side Of Plasma Membrane,Extracellular Region,Extracellular Space,Positive Regulation Of Transcription From Rna Polymerase II Promoter,Inflammatory Response,Cytokine Activity	interleukin 17A	NEW
Il18	NM_008360.1	Ig1f, Il-18	Extracellular Region,Cytoplasm,Extracellular Space,Apical Plasma Membrane,Regulation Of Cell Adhesion,Inflammatory Response,Immune Response,Angiogenesis,Mapkkk Cascade Go 0000165,Interferon Gamma Biosynthetic Process,Response To Hypoxia,Cytokine Activity	interleukin 18	
Il18rap	NM_010553.2	AcPL, IL-18R-beta, IL-18RAcP, IL-18Rbeta, IL-18RAcPL	Intrinsic To Membrane,Membrane,Integral To Membrane,Signal Transduction,Cytokine And Chemokine Mediated Signaling Pathway,Innate Immune Response,Receptor Activity,Transmembrane Receptor Activity	interleukin 18 receptor accessory protein	
Il1b	NM_008361.3	IL-1beta, Il-1b	Extracellular Region,Vesicle,Secretory Granule,Extracellular Space,Positive Regulation Of Transcription From Rna Polymerase II Promoter,Activation Of Mapk Activity,Activation Of NI KappaB Transcription Factor,Positive Regulation Of I KappaB Kinase,NI KappaB Cascade,Positive Regulation Of T Cell Proliferation,Inflammatory Response,Response	interleukin 1 beta	
Il1r1	NM_001123382.1	CD121a, CD121b, IL-1R, IL1r-1	Cell Surface,Extracellular Region,Intrinsic To Membrane,Membrane,Integral To Membrane,Protein Complex,Plasma Membrane,Signal Transduction,Cytokine And Chemokine Mediated Signaling Pathway,Innate Immune Response,Receptor Activity,Transmembrane Receptor Activity	interleukin 1 receptor, type I	
Il1rap	NM_008364.2	6430709H04Rik, A255955, AV239853, IL-1RAcP	Extracellular Region,Intrinsic To Membrane,Membrane,Insoluble Fraction,Integral To Membrane,Protein Complex,Plasma Membrane,Signal Transduction,Cytokine And Chemokine Mediated Signaling Pathway,Innate Immune Response,Receptor Activity,Transmembrane Receptor Activity	interleukin 1 receptor accessory protein	
Il1rn	NM_031167.4	F630041P17Rik, IL-1ra	Extracellular Region,Cytoplasm,Vesicle,Nucleus,Extracellular Space,Centrosome,Negative Regulation Of Apoptosis,Lipid Metabolic Process,Positive Regulation Of Jnk Activity,Receptor Activity	interleukin 1 receptor antagonist	
Il2	NM_008366.3	Il-2	Extracellular Region,Extracellular Space,Positive Regulation Of Transcription From Rna Polymerase II Promoter,Positive Regulation Of Cell Proliferation,Immune Response,G Protein Coupled Receptor Protein Signaling Pathway,Positive Regulation Of Protein Amino Acid Phosphorylation,Carbohydrate Binding,Cytokine Activity,Growth Factor Activ	interleukin 2	
Il21	NM_021782.2		Extracellular Region,Extracellular Space,Positive Regulation Of T Cell Proliferation,Immune Response,Cell Maturation,Hematopoietin Interferon Class200 Domain Cytokine Receptor Binding,Cytokine Activity	interleukin 21	NEW
Il22ra2	NM_178258.5	CRF2-10, CRF2-e1, CRF2X, Il-22bp	Extracellular Region,Cytosol,Cytokine And Chemokine Mediated Signaling Pathway,Receptor Activity	interleukin 22 receptor, alpha 2	
Il23a	NM_031252.1	IL-23, p19	Extracellular Region,Extracellular Space,Response To Virus,Positive Regulation Of Transcription From Rna Polymerase II Promoter,T Cell Proliferation,Positive Regulation Of T Cell Proliferation,Inflammatory Response,Immune Response,Innate Immune Response,Tissue Remodeling,Cytokine Activity	interleukin 23, alpha subunit p19	
Il23r	NM_144548.1	IL-23R	Membrane,Integral To Membrane,Integral To Plasma Membrane,Plasma Membrane,Jak Stat Cascade,Inflammatory Response,Cytokine And Chemokine Mediated Signaling Pathway,Innate Immune Response,Receptor Activity	interleukin 23 receptor	

Il3	NM_010556.4	BPA, Csfmu, HCGF, IL-3, MCGF, PSF	Extracellular Region, Extracellular Space, Positive Regulation Of Cell Proliferation, Negative Regulation Of Apoptosis, Hemopoiesis, Regulation Of Gene Expression, Immune Response, Cytokine And Chemokine Mediated Signaling Pathway, Response To Hormone Stimulus, Positive Regulation Of Protein Amino Acid Phosphorylation, Regulation Of Apoptosis, Respon	interleukin 3	
Il4	NM_021283.1	BSF-1, I-4	External Side Of Plasma Membrane, Extracellular Region, Extracellular Space, Positive Regulation Of Transcription Dna Dependent, Positive Regulation Of Cell Proliferation, Negative Regulation Of Apoptosis, Positive Regulation Of Transcription From Rna Polymerase Ii Promoter, Negative Regulation Of Transcription Dna Dependent, Regulation Of Phosphor	interleukin 4	
Il5	NM_010558.1	Il-5	Extracellular Region, Extracellular Space, Soluble Fraction, Positive Regulation Of Transcription Dna Dependent, Positive Regulation Of Cell Proliferation, Immune Response, Positive Regulation Of Transcription Factor Activity, Cytokine And Chemokine Mediated Signaling Pathway, Positive Regulation Of Peptidyl Tyrosine Phosphorylation, Cytokine Activi	interleukin 5	
Il6	NM_031168.1	Il-6	External Side Of Plasma Membrane, Extracellular Region, Extracellular Space, Positive Regulation Of Translation, Positive Regulation Of Transcription Dna Dependent, Positive Regulation Of Cell Proliferation, Negative Regulation Of Apoptosis, Neurite Development, Positive Regulation Of Transcription From Rna Polymerase Ii Promoter, Positive Regulatio	interleukin 6	
Il6ra	NM_010559.2	CD126, IL-6R, Il6r	Cell Surface, Extracellular Region, Membrane, Integral To Membrane, Extracellular Space, Apical Plasma Membrane, Positive Regulation Of Cell Proliferation, Cytokine And Chemokine Mediated Signaling Pathway, Positive Regulation Of Mapkkk Cascade, Positive Regulation Of Peptidyl Tyrosine Phosphorylation, Protein Homodimerization Activity, Receptor Acti	interleukin 6 receptor, alpha	
Il7	NM_008371.2	A63002606Rik, Il-7, hb368	Extracellular Region, Extracellular Space, Negative Regulation Of Apoptosis, Regulation Of Gene Expression, Immune Response, Anti Apoptosis, Negative Regulation Of Catalytic Activity, Hematopoietin Interferon Class200 Domain Cytokine Receptor Binding, Cytokine Activity, Growth Factor Activity	interleukin 7	
Il9	NM_008373.1	Il-9, P40	Extracellular Region, Extracellular Space, Soluble Fraction, Immune Response, Hematopoietin Interferon Class200 Domain Cytokine Receptor Binding, Cytokine Activity, Growth Factor Activity	interleukin 9	
Irf1	NM_008390.1	AU020929, Irf-1	Nucleus, Positive Regulation Of Transcription Dna Dependent, Positive Regulation Of Transcription From Rna Polymerase Ii Promoter, Transcription Dna Dependent, I KappaB Kinase Nf KappaB Cascade, Regulation Of Gene Expression, Regulation Of Transcription Dna Dependent, Sequence Specific Dna Binding, Transcription Factor Activity, Dna Binding	interferon regulatory factor 1	NEW
Irf3	NM_016849.3	C920001K05Rik, IRF-3	Cytoplasm, Nucleus, Response To Virus, Transcription Dna Dependent, Positive Regulation Of I KappaB Kinase Nf KappaB Cascade, Positive Regulation Of Cytokine Secretion, Response To Bacterium, Regulation Of Transcription Dna Dependent, Negative Regulation Of Transcription From Rna Polymerase Ii Promoter, Protein Homodimerization Activity, Identical Pr	interferon regulatory factor 3	NEW
Irf5	NM_012057.3	AIW491843, mirf5	Nucleus, Transcription Dna Dependent, Regulation Of Transcription Dna Dependent, Transcription Factor Activity, Dna Binding	interferon regulatory factor 5	NEW
Irf7	NM_016850.2		Cytoplasm, Nucleus, Response To Virus, Positive Regulation Of Transcription From Rna Polymerase Ii Promoter, Transcription Dna Dependent, Regulation Of Transcription Dna Dependent, Transcription Factor Activity, Dna Binding	interferon regulatory factor 7	NEW
Irgb2	NM_008404.4	2E6, A6528527, Cd18, LADCM, Lfba1, MF17	Cell Surface, Membrane, Integral To Membrane, Lipid Raft, Membrane Fraction, Integrin Complex, Regulation Of Peptidyl Tyrosine Phosphorylation, Activation Of Nf KappaB, Transcription Factor, Multicellular Organismal Development, Cell Cell Adhesion, Cell Matrix Adhesion, Positive Regulation Of Angiogenesis, Endothelial Cell Migration, Protein Complex Bin	integrin beta 2	
Jun	NM_010591.2	AP-1, Junc, c-jun	Nucleus, Cytoplasm, Nuclear Chromatin, Transcription Factor Complex, Positive Regulation Of Transcription Dna Dependent, Positive Regulation Of Cell Proliferation, Negative Regulation Of Apoptosis, Positive Regulation Of Transcription From Rna Polymerase Ii Promoter, Transcription Dna Dependent, Negative Regulation Of Transcription Dna Dependent, Negat	jun proto-oncogene	
Keap1	NM_016679.4	INRF2, mKIAA0132	Cytoplasm, Endoplasmic Reticulum, Nucleus, Focal Adhesion, Centrosome, Transcription Dna Dependent, Regulation Of Transcription Dna Dependent	kelch-like ECH-associated protein 1	
King1	NM_023125.3	King	Extracellular Region, Microsome, Extracellular Space, Blood Coagulation, Inflammatory Response, Negative Regulation Of Cell Adhesion, Negative Regulation Of Map Kinase Activity, Positive Regulation Of Mapkkk Cascade, Protease Inhibitor Activity, Receptor Binding	kininogen 1	
Limk1	NM_010717.2		Golgi Apparatus, Cytoplasm, Nucleus, Perinuclear Region Of Cytoplasm, Focal Adhesion, Neuron Projection, Protein Amino Acid Phosphorylation, Phosphorylation, Nucleotide Binding, Zinc Ion Binding, Protein Kinase Activity, Kinase Activity, Protein Serine Threonine Kinase Activity, Protein Heterodimerization Activity, Transferase Activity, Transferring Phos	LIM-domain containing, protein kinase	
Lta	NM_010735.1	LT, LT-[alpha], LT-alpha, LT[alpha], LTalpha, Ltx, TNF-beta, TNFSF1, Tnfb, Tnfbf1b, hb382	Extracellular Region, Membrane, Extracellular Space, Positive Regulation Of Cell Proliferation, Inflammatory Response, Immune Response, Cell Proliferation Go 0008283, Humoral Immune Response, Cytokine Activity	lymphotoxin A	
Ltb	NM_008518.2	A1662801, LTbeta, Trlfc, Tnfbf3, p33	Membrane, Integral To Membrane, Extracellular Space, Plasma Membrane, Immune Response, Cytokine Activity	lymphotoxin B	
Ltb4r1	NM_008519.2	BLT1, BLTR, Ltb4r, mBLTR	Membrane, Integral To Membrane, Plasma Membrane, Signal Transduction, G Protein Coupled Receptor, Protein Signaling Pathway, G Protein Coupled Receptor Activity, Receptor Activity	leukotriene B4 receptor 1	NEW
Ltb4r2	NM_020490.2	5830462007Rik, BLT2, LTbeta-R2, LTbeta-R2, LTbeta-R2	Membrane, Integral To Membrane, Membrane Fraction, Plasma Membrane, Signal Transduction, G Protein Coupled Receptor, Protein Signaling Pathway, G Protein Coupled Receptor Activity, Receptor Activity	leukotriene B4 receptor 2	NEW
Ly96	NM_016923.1	ESOP-1, MD-2, MD2	Extracellular Region, Inflammatory Response, Innate Immune Response	lymphocyte antigen 96	
Mafl	NM_010755.3		Nucleus, Transcription Dna Dependent, Regulation Of Transcription Dna Dependent, Sequence Specific Dna Binding, Transcription Factor Activity, Dna Binding	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)	
Maflg	XM_001002362.1	AA545192, CB30022N07Rik	Nucleus, Regulation Of Cellular Ph, Transcription Dna Dependent, Regulation Of Transcription Dna Dependent, Regulation Of Cell Proliferation, Sequence Specific Dna Binding, Transcription Factor Activity, Dna Binding	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein G (avian)	
Maflk	NM_010757.2	AW061068, NF-E2, Nfe2u	Nucleus, Nervous System Development, Transcription Dna Dependent, Regulation Of Transcription Dna Dependent, Sequence Specific Dna Binding, Transcription Factor Activity, Dna Binding	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein K (avian)	
Map2k1	NM_008927.3	MAPKK1, MEKK1, Mek1, Prkmk1	Golgi Apparatus, Cytoplasm, Nucleus, Cytosol, Cytoskeleton, Perinuclear Region Of Cytoplasm, Cell Cortex, Microtubule, Dendrite, Plasma Membrane, Soluble Fraction, Positive Regulation Of Cell Differentiation, Activation Of Mapk Activity, Response To Oxidative Stress, Keratinocyte Differentiation, Negative Regulation Of Cell Proliferation, Cell Proliferat	mitogen-activated protein kinase kinase 1	
Map2k4	NM_009157.4	JNKK1, MEK4, MKK4, PRKMK4, Sek1, Serk1	Cytoplasm, Nucleus, Cytosol, Activation Of Jnk Activity, Jnk Cascade, Response To Stress, Mapkkk Cascade Go 0000165, Protein Amino Acid Phosphorylation, Phosphorylation, Positive Regulation Of Protein Amino Acid Phosphorylation, Apoptosis Go, Nucleotide Binding, Protein Kinase Activity, Kinase Activity, Protein Serine Threonine Kinase Activity, Protein T	mitogen-activated protein kinase kinase 4	
Map2k6	NM_011943.2	MEK6, MKK6, Prkm6, SAPKK3	Cytoplasm, Nucleus, Cytoskeleton, Transcription Dna Dependent, Activation Of Mapk Activity, Response To Stress, Regulation Of Transcription Dna Dependent, Mapkkk Cascade Go 0000165, Protein Amino Acid Phosphorylation, Phosphorylation, Apoptosis Go, Nucleotide Binding, Protein Kinase Activity, Kinase Activity, Protein Serine Threonine Kinase Activity, Protein T	mitogen-activated protein kinase kinase 6	
Map3k1	NM_011945.2	MAPKKK1, MEKK1, Mekk	Cytoplasm, Cytoskeleton, Membrane Fraction, Protein Polyubiquitination, Protein Oligomerization, Positive Regulation Of Transcription From Rna Polymerase Ii Promoter, Activation Of Jnk Activity, Regulation Of Cell Migration, Protein Amino Acid Autophosphorylation, Jnk Cascade, Positive Regulation Of Map Kinase Activity, Apoptotic Mitochondrial Change	mitogen-activated protein kinase kinase kinase 1	
Map3k5	NM_008580.4	7420452D20Rik, ASK, ASK1, MAPKKK5, Mekk5	Cytoplasm, Endoplasmic Reticulum, Activation Of Mapk Activity, Jnk Cascade, Positive Regulation Of Caspase Activity, Response To Stress, Mapkkk Cascade Go 0000165, Protein Amino Acid Phosphorylation, Innate Immune Response, Phosphorylation, Apoptosis Go, Caspase Activation, Nucleotide Binding, Protein Homodimerization Activity, Protein Kinase Activity, K	mitogen-activated protein kinase kinase kinase 5	
Map3k7	NM_172688.2	B430101B05, C87327, Tak1	Membrane, Cytoplasm, Plasma Membrane, Soluble Fraction, Negative Regulation Of Apoptosis, Signal Transduction, Transcription Dna Dependent, Activation Of Mapk Activity, Jnk Cascade, Positive Regulation Of I KappaB Kinase Nf KappaB Cascade, Response To Stress, Angiogenesis, Regulation Of Transcription Dna Dependent, Transforming Growth Factor Beta Recept	mitogen-activated protein kinase kinase kinase 7	
Map3k9	NM_177395.4	E130314H24Rik, Mik1, Prke1	Transcription Dna Dependent, Protein Amino Acid Autophosphorylation, Response To Stress, Regulation Of Transcription Dna Dependent, Protein Amino Acid Phosphorylation, Phosphorylation, Apoptosis Go, Nucleotide Binding, Protein Kinase Activity, Kinase Activity, Protein Serine Threonine Kinase Activity, Protein Tyrosine Kinase Activity, Transferase Activ	mitogen-activated protein kinase kinase kinase 9	
Mapk1	NM_001038663.1	9030612K14Rik, AA407128, AU018647, C78273, ERK, Erk2, MAPK2, PRKM2, Prkm1, p41mapk, p42mapk	Nucleoplasm, Cytoplasm, Insoluble Fraction, Nucleus, Cytosol, Cytoskeleton, Mitochondrion, Protein Complex, Soluble Fraction, Positive Regulation Of Translation, Signal Transduction, Transcription Dna Dependent, Response To Toxin, Organ Morphogenesis, Regulation Of Transcription Factor Activity, Response To Chemical Stimulus, Negative Regulation Of Cell D	mitogen-activated protein kinase 1	
Mapk14	NM_011951.2	CSBP2, Crk1, Csbp1, Mei2, PRKM14, PRKM15, p38, p38-alpha, p38MAPK, p38a, p38alpha	Spindle Pole, Cytoplasm, Cytosolic Part, Nucleus, Cytosol, Mitochondrion, Soluble Fraction, Glucose Metabolic Process, Positive Regulation Of Transcription From Rna Polymerase Ii Promoter, Transcription Dna Dependent, Protein Amino Acid Autophosphorylation, Fatty Acid Oxidation, Response To Stress, Angiogenesis, Protein Kinase Cascade, Regulation Of Tran	mitogen-activated protein kinase 14	
Mapk3	NM_011952.2	Erk1, Erk1, Eri2, Eserk1, Mnk1, Mtap2k, Prkm3, p44, p44erk1, p44mapk	Nucleoplasm, Cytoplasm, Insoluble Fraction, Nucleus, Cytosol, Protein Complex, Soluble Fraction, Positive Regulation Of Translation, Positive Regulation Of Transcription From Rna Polymerase Ii Promoter, Signal Transduction, Transcription Dna Dependent, Response To Toxin, Organ Morphogenesis, Regulation Of Transcription Factor Activity, Protein Complex A	mitogen-activated protein kinase 3	
Mapk8	NM_016700.3	A1849689, JNK, JNK1, Prkm8, SAPK1	Cytoplasm, Vesicle, Nucleus, Cytosol, Mitochondrion, Negative Regulation Of Apoptosis, Neurite Development, Signal Transduction, Response To Heat, Jnk Cascade, Inflammatory Response, Negative Regulation Of Transcription Dna Dependent, Response To Uv, Positive Regulation Of Cell Migration, Mapkkk Cascade Go 0000165, Protein Amino Acid Phosphorylation, Phosphorylatio	mitogen-activated protein kinase 8	

Mapkapk2	NM_008551.1	AAG60234, MAPKAP-K2, MK-2, MK2, Rps6kc1	Cytoplasm, Nucleus, Inflammatory Response, Response To Stress, Protein Amino Acid Phosphorylation, Phosphorylation, Response To Dna Damage Stimulus, Nucleotide Binding, Protein Kinase Activity, Kinase Activity, Protein Serine Threonine Kinase Activity, Transferase Activity, Transferring Phosphorus Containing Groups, Atp Binding	MAP kinase-activated protein kinase 2
Mapkapk5	XM_920515.1	MK5, PRAK	Cytoplasm, Nucleus, Protein Amino Acid Autophosphorylation, Regulation Of Translation, Ras Protein Signal Transduction, Response To Stress, Protein Amino Acid Phosphorylation, Phosphorylation, Nucleotide Binding, Protein Kinase Activity, Kinase Activity, Protein Serine Threonine Kinase Activity, Transferase Activity, Transferring Phosphorus Containing	MAP kinase-activated protein kinase 5
Masp1	NM_008555.2	AW048060, CCP1I, Craf, Masp1/3	Extracellular Region, Extracellular Space, Proteolysis, Innate Immune Response, Serine Type Peptidase Activity, Protein Homodimerization Activity, Calcium Ion Binding, Peptidase Activity, Serine Type Endopeptidase Activity	mannan-binding lectin serine peptidase 1
Masp2	NM_010767.3	MASP-2, Map19	Extracellular Region, Proteolysis, Innate Immune Response, Serine Type Peptidase Activity, Calcium Ion Binding, Peptidase Activity, Serine Type Endopeptidase Activity	mannan-binding lectin serine peptidase 2
Max	NM_008558.1	AAG60152, A875693, bHLH44, bHLH45, bHLH46, bHLH47, bHLH48	Cytoplasm, Nucleus, Dendrite, Pml Body, Regulation Of Transcription, Dna Dependent, Protein Complex Assembly, Protein Homodimerization Activity, Protein Complex Binding, Sequence Specific Dna Binding, Transcription Factor Activity, Protein Heterodimerization Activity, Dna Binding	Max protein
Mbl2	NM_010776.1	L-MBP, MBL, MBL-C, MBP-C	Extracellular Region, Extracellular Space, Collagen, Protein Oligomerization, Innate Immune Response, Sugar Binding, Receptor Binding	mannose-binding lectin (protein C) 2
Mef2a	XM_976032.1	A430079H05RK	Nucleus, Nuclear Chromatin, Positive Regulation Of Transcription, Dna Dependent, Nervous System Development, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Transcription Dna Dependent, Multicellular Organismal Development, Regulation Of Transcription From Rna Polymerase II Promoter, Regulation Of Transcription, Dna Dependent, Neg	myocyte enhancer factor 2A
Mef2b	NM_001045484.1	A4451606	Nucleus, Regulation Of Transcription, Dna Dependent, Transcription Factor Activity	myocyte enhancer factor 2B
Mef2c_Mm	NM_025282.2		Nucleus, Positive Regulation Of Transcription, Dna Dependent, Nervous System Development, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Transcription Dna Dependent, Multicellular Organismal Development, Regulation Of Transcription, Dna Dependent, Transcription From Rna Polymerase II Promoter, Apoptosis G, Protein Homodimerization	myocyte enhancer factor 2C
Mef2d	NM_133665.3	C80750	Regulation Of Translation, Response To Stress, Protein Kinase Cascade, Protein Amino Acid Phosphorylation, Phosphorylation, Nucleotide Binding, Protein Kinase Activity, Kinase Activity, Protein Serine Threonine Kinase Activity, Transferase Activity, Transferring Phosphorus Containing Groups, Atp Binding	MAP kinase-interacting serine/threonine kinase 1
Mknk1	NM_021461.4	2410048M24RK, Mnk1	Proteinaceous Extracellular Matrix, Extracellular Region, Nucleus, Dendrite, Extracellular Space, Extracellular Matrix, Protein Complex, Regulation Of Cell Migration, Proteolysis, Zinc Ion Binding, Calcium Ion Binding, Metalloproteinase Activity, Protein Complex Binding, Peptidase Activity, Metalloendopeptidase Activity	matrix metalloproteinase 3
Mmp3	NM_010809.1	SLN-1, SLN1, STR-1, Stry1, Str1	Proteinaceous Extracellular Matrix, Extracellular Region, Extracellular Space, Extracellular Matrix, Protein Complex, Skeletal Development, Embryo Implantation, Proteolysis, Response To Oxidative Stress, Positive Regulation Of Angiogenesis, Tissue Remodeling, Response To Drug, Zinc Ion Binding, Metalloproteinase Activity, Protein Complex Binding, Peptidase Activity, Metalloendopeptidase Activity	matrix metalloproteinase 3
Mmp9	NM_013599.2	AW743869, B1MMP9, Cig4b, MMP-9, pro-MMP-9	Cell Surface, Membrane, Integral To Membrane, Endosome, Plasma Membrane, Receptor Mediated Endocytosis, Sugar Binding, Receptor Activity, Transmembrane Receptor Activity	matrix metalloproteinase 9
Mrc1	NM_008625.1	AW259686, CD206, MR	Cytoplasm, Nucleus, Response To Virus, Innate Immune Response, Gtp Binding, Nucleotide Binding, Gtpase Activity	mannose receptor, C type 1
Mx1	NM_010846.1	A1893580, Mx, Mx-1	Cytoplasm, Cytosol, Response To Virus, Innate Immune Response, Gtp Binding, Nucleotide Binding, Gtpase Activity	myxovirus (influenza virus) resistance 1
Mx2	NM_013606.1	A1528743, Mx-2	Cytoplasm, Cytosol, Response To Virus, Innate Immune Response, Gtp Binding, Nucleotide Binding, Gtpase Activity	myxovirus (influenza virus) resistance 2
Myc	NM_010849.4	AU016757, Myc2, Niard, Nird, bHLHe39	Nucleoplasm, Axon, Cytoplasm, Nucleus, Spindle, Nuclear Body, Protein Complex, Nucleolus, Glucose Metabolic Process, Positive Regulation Of Transcription, Dna Dependent, Positive Regulation Of Cell Proliferation, Chromatin Remodeling, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Transcription Dna Dependent, Positive Regulation Of	myelofomatosis oncogene
Myd88	NM_010851.2		Cytoplasm, Cytosol, Protein Complex, Plasma Membrane, Response To Virus, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Activation Of Nf Kappab Transcription Factor, Jnk Cascade, Positive Regulation Of I Kappab Kinase Nf Kappab Cascade, Inflammato	myeloid differentiation primary response gene 88
Myl2	NM_010861.3	MLC-2, MLC-2v, Mic2v, Mylpc	Myofibril, Cytoskeleton, Myosin Complex, Heart Development, Calcium Ion Binding	myosin, light polypeptide 2, regulatory, cardiac, slow
Nfat3	NM_010901.2	C80703, D8Ert281e, NFAT4, NFATx	Cytoplasm, Nucleus, Cytosol, Plasma Membrane, Nucleus, Positive Regulation Of Transcription, Dna Dependent, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Regulation Of Transcription, Dna Dependent, Heart Development, Cellular Respiration, Transcription Factor Activity, Chromatin Binding, Dna Binding	nuclear factor of activated T cells, cytoplasmic, calcineurin dependent 3
Nfe2l2	NM_010902.3	A1194320, Nfe2	Chromatin, Cytoplasm, Nucleus, Centrosome, Plasma Membrane, Positive Regulation Of Transcription, Dna Dependent, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Transcription Dna Dependent, Unfolded Protein Response, Regulation Of Transcription, Dna Dependent, Protein Domain Specific Binding, Sequence Specific Dna Binding, Transcription	nuclear factor, erythroid derived 2, like 2
Nfk1	NM_008689.2	NF-kB1, NF-kappaB, NF-kappab1, p105, p50, p50ip105	Cytoplasm, Nucleus, Cytosol, Mitochondrion, Protein Complex, Positive Regulation Of Transcription, Dna Dependent, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Signal Transduction, Transcription Dna Dependent, Negative Regulation Of Transcription, Dna Dependent, Response To Oxidative Stress, Regulation Of Transcription, Dna Dependent	nuclear factor of kappa light polypeptide gene enhancer in B cells 1, p105
Nlrp3	NM_145827.3	AGTAVPRL, AIIAIVP, Clas1, FCAS, FCU, MW5, Mmig1, NALP3, Pypaf1	Cytoplasm, Positive Regulation Of Caspase Activity, Defense Response To Virus, Interleukin 1 Secretion, Inflammatory Response, Apoptosis Go, Caspase Activation, Nucleotide Binding, Atp Binding	NLR family, pyrin domain containing 3
Nod1	NM_172729.2	C230079P11, Card4, F830007N14RK, Nirc1	Membrane, Cytoplasm, Bacteroidetes, Plasma Membrane, Interleukin 8 Biosynthesis, Process, Defense Response, Activation Of Nf Kappab Transcription Factor, Positive Regulation Of I Kappab Kinase Nf Kappab Cascade, Defense Response To Bacterium, Regulation Of Apoptosis, Apoptosis Go, Caspase Activation, Nucleotide Binding, Proteolysis, Protein Homodimerization	nucleotide-binding oligomerization domain containing 1
Nod2	NM_145857.2	ACUG, BLAU, CD, Card15, F830032C23RK, BD1, Nirc2	Cell Surface, Cytoplasm, Vesicle, Cytosol, Plasma Membrane, Protein Oligomerization, Positive Regulation Of Cell Proliferation, Signal Transduction, Defense Response, Activation Of Nf Kappab Transcription Factor, Positive Regulation Of I Kappab Kinase Nf Kappab Cascade, Inflammatory Response, Activation Of Immune Response, Defense Response To Bacterium	nucleotide-binding oligomerization domain containing 2
Nos2	NM_010927.3	NOS-II, Nos-2, Nos2a, iNOS, iNOS	Cytoplasm, Nucleus, Cytosol, Peroxisome, Vesicle, Membrane, Signal Transduction, Superoxide Metabolic Process, Regulation Of Phosphorylation, Inflammatory Response, Regulation Of Heart Contraction, Protein Kinase Cascade, Regulation Of Catalytic Activity, Defense Response To Bact	nitric oxide synthase 2, inducible
Nox1	NM_172203.1	GP91-2, MOX1, NOH-1, NOH1, NOX1a, NOX1alpha, Nox-1	Cell Junction, Membrane, Cytoplasm, Early Endosome, Integral To Membrane, Cell Proliferation, Signal Transduction, Superoxide Metabolic Process, Response To Stress, Angiogenesis, Transport, Cell Migration, Electron Carrier Activity, Oxidoreductase Activity	NADPH oxidase 1
Nr3c1	NM_008173.3	GR, Grl-1, Grl1	Membrane, Cytoplasm, Nucleus, Cytosol, Protein Complex, Chromatin Remodeling, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Transcription Dna Dependent, Regulation Of Transcription, Dna Dependent, Anti Apoptosis, Regulation Of Cell Proliferation, Protein Homodimerization Activity, Hormone Binding, Protein Complex Binding, Transcription	nuclear receptor subfamily 3, group C, member 1
Oas1a	NM_145211.2	L3	Cytoplasm, Rna Catabolic Process, Zinc Ion Binding	2'-5' oligoadenylate synthetase 1A
Oas2	NM_145227.2	Oas11		2'-5' oligoadenylate synthetase 2
Oas1	NM_145209.2	7530414C13RK, oas10		2'-5' oligoadenylate synthetase-like 1
Pdgfra	NM_008088.3		Cell Surface, Extracellular Region, Membrane, Extracellular Space, Microvillus, Positive Regulation Of Cell Proliferation, Regulation Of Peptidyl Tyrosine Phosphorylation, Multicellular Organismal Development, Organ Morphogenesis, Positive Regulation Of Map Kinase Activity, Angiogenesis, Actin Cytoskeleton Organization And Biogenesis, Positive Regulat	platelet derived growth factor, alpha
Plk3c2g	NM_011084.2	C80387, Plk3-C2-gamma	Golgi Apparatus, Membrane, Nuclear Envelope, Plasma Membrane, Phosphoinositide Mediated Signaling, Phosphorylation, Nucleotide Binding, Phosphotransferase Activity, Alcohol Group As Acceptor, Kinase Activity, Phosphoinositide Binding, Transferase Activity, Transferring Phosphorus Containing Groups, Atp Binding	phosphatidylinositol 3-kinase, C2 domain containing, gamma polypeptide
Pla2g4a	NM_008869.2	Pla2g4, cPLA2, cPLA2alpha	Golgi Apparatus, Cytoplasm, Endoplasmic Reticulum, Nucleus, Cytosol, Cytoplasmic Vesicle, Peroxisome, Region Of Cytoplasm, Membrane, Fraction, Lipid Catabolic Process, Positive Regulation Of Cell Proliferation, Response To Organic Substance, Regulation Of Cell Proliferation, Calcium Ion Binding, Phospholipase A2 Activity, Phospholipase Activity	phospholipase A2, group IVA (cytosolic, calcium-dependent)
Pfcb1	NM_019677.1	3110043121RK, A1132408, Pfcb, mKIAA0561	Cytoplasm, Nucleus, Cytosol, Membrane, Fraction, Nuclear Chromatin, Nuclear Speck, Lipid Catabolic Process, Positive Regulation Of Transcription, Dna Dependent, Insulin Receptor Signaling Pathway, Glutamate Signaling Pathway, G2 M Transition Of Mitotic Cell Cycle, Signal Transduction, Negative Regulation Of Transcription, Dna Dependent, Regulation Of G Pro	phospholipase C, beta 1
Ppp1r12b	NM_001081307.1	1810037G03RK, 953009M10RK, A1152431, Mypt2	Cytoplasm, Actin Cytoskeleton, Plasma Membrane	protein phosphatase 1, regulatory (inhibitor) subunit 12B
Prkca	NM_011101.3	A875142, Prkca	Membrane, Cytoplasm, Endoplasmic Reticulum, Nucleus, Cytosol, Peroxisome, Region Of Cytoplasm, Lipid Raft, Cell Soma, Dendrite, Membrane Fraction, Mitochondrion, Protein Complex, Plasma Membrane, Regulation Of Muscle Contraction, Protein Amino Acid Autophosphorylation, Regulation Of Peptidyl Tyrosine Phosphorylation, Angiogenesis, Negative Regulation Of Ca	protein kinase C, alpha
Prkcb	NM_008855.2	A130082F03RK, PKC-beta, Pkcb, Prkcb1, Prkcb2	Membrane, Cytoplasm, Insoluble Fraction, Nucleus, Cytosol, Membrane Fraction, Centrosome, Plasma Membrane, Soluble Fraction, Transcription Dna Dependent, Regulation Of Growth, Calcium Ion Transport, Activation Of Nf Kappab Transcription Factor, Positive Regulation Of I Kappab Kinase Nf Kappab Cascade, Regulation Of Transcription From Rna Polymerase II P	protein kinase C, beta
Ptger1	NM_013641.2	42kDa, EP1, Ptgerep1	Membrane, Integral To Membrane, Plasma Membrane, Signal Transduction, G Protein Coupled Receptor Protein Signaling Pathway, G Protein Coupled Receptor Activity, Receptor Activity	prostaglandin E receptor 1 (subtype EP1)

Ptger2	NM_008964.4	EP2, Ptgerep2	Membrane, Integral To Membrane, Plasma Membrane, Signal Transduction, G Protein Coupled Receptor Protein Signaling Pathway, Regulation Of Cell Proliferation, G Protein Coupled Receptor Activity, Receptor Activity	prostaglandin E receptor 2 (subtype EP2)	NEW
Ptger3	NM_011196.2	EP3, Pgerep3, Pgerep3	Plasma Membrane, G Protein Signaling Coupled To I3 Second Messenger, Phospholipase C Activating, G Protein Signaling Coupled To Camp Nucleotide Second Messenger, Receptor Activity	prostaglandin E receptor 3 (subtype EP3)	NEW
Ptger4	NM_008965.1	EP4, Ptgerep4	Membrane, Integral To Membrane, Plasma Membrane, Signal Transduction, Jnk Cascade, Positive Regulation Of Cytokine Secretion, G Protein Signaling Coupled To Camp Nucleotide Second Messenger, G Protein Signaling Adenylyate Cyclase Activating Pathway, G Protein Coupled Receptor Protein Signaling Pathway, G Protein Coupled Receptor Activity, Receptor Activity	prostaglandin E receptor 4 (subtype EP4)	NEW
Ptgrf	NM_008966.3	A1957154, PGF, Ip	Membrane, Cytoplasm, Integral To Membrane, Plasma Membrane, Negative Regulation Of Apoptosis, Signal Transduction, G Protein Coupled Receptor Protein Signaling Pathway, G Protein Coupled Receptor Activity, Receptor Activity	prostaglandin F receptor	NEW
Ptgir	NM_008967.3	IP, PGI2	Membrane, Integral To Membrane, Plasma Membrane, Signal Transduction, G Protein Coupled Receptor Protein Signaling Pathway, G Protein Coupled Receptor Activity, Receptor Activity	prostaglandin I receptor (IP)	NEW
Ptgs1	NM_008969.3	COX1, Cox-1, Cox-3, PGHS-1, PHS 1, Pghs1	Cytoplasmic Part, Golgi Apparatus, Membrane, Cytoplasm, Endoplasmic Reticulum, Nucleus, Microsome, Nuclear Envelope, Plasma Membrane, Fatty Acid Biosynthetic Process, Lipid Biosynthetic Process, Response To Oxidative Stress, Keratinocyte Differentiation, Regulation Of Blood Pressure, Regulation Of Cell Proliferation, Lipid Binding, Oxidoreductase Activity	prostaglandin-endoperoxide synthase 1	NEW
Ptgs2	NM_011198.3	COX2, Cox-2, PGHS-2, PHS-2, Pghs2, TIS10	Membrane, Cytoplasm, Endoplasmic Reticulum, Nucleus, Protein Complex, Neuron Projection, Positive Regulation Of Cell Proliferation, Negative Regulation Of Cell Cycle, Fatty Acid Biosynthetic Process, Lipid Biosynthetic Process, Inflammatory Response, Angiogenesis, Embryo Implantation, Response To Oxidative Stress, Keratinocyte Differentiation, Negative R	prostaglandin-endoperoxide synthase 2	NEW
Plk2	NM_007982.2	FAK, FRNK, Fack, mKIAA4203, p125FAK	Cell Junction, Membrane, Cytoplasm, Nucleus, Intercalated Disc, Cytosol, Cytoskeleton, Lamellipodium, Nuclear Body, Basolateral Plasma Membrane, Focal Adhesion, Apical Plasma Membrane, Plasma Membrane, Nucleus, Positive Regulation Of Cell Proliferation, Negative Regulation Of Apoptosis, Protein Amino Acid Phosphorylation, Microtubule Cytoskeleton Org	PTK2 protein tyrosine kinase 2	
Rac1	NM_009007.2	AL023026, DSEnd559e	Extrinsic To Plasma Membrane, Golgi Membrane, Membrane, Cytoplasm, Lamellipodium, Cytoplasmic Vesicle, Cell Projection, Cytoplasmic Membrane Bound Vesicle, Membrane Fraction, Plasma Membrane, Actin Filament Organization, Axon Guidance, Regulation Of Cell Migration, Intercellular Junction Assembly And Maintenance, Actin Cytoskeleton Organization And Biog	RAS-related C3 botulinum substrate 1	
Raf1	NM_029780.3	6430402F14Rik, AA990557, BB129353, Craf1, D830050J10Rik, Raf-1, c-Raf, v-Raf	Membrane, Cytoplasm, Insoluble Fraction, Nucleus, Cytosol, Mitochondrion, Plasma Membrane, Negative Regulation Of Apoptosis, Signal Transduction, Protein Kinase Cascade, Negative Regulation Of Cell Proliferation, Mapkk Cascade Go 000165, Cytoskeleton Organization And Biogenesis, Protein Amino Acid Phosphorylation, Phosphorylation, Apoptosis Go, Response	v-raf-leukemia viral oncogene 1	
Rapgef2	NM_001099624.2	5830453M24Rik, CNRASGEF, Pdzgef1, RA-GEF-1, mKIAA0313, nRapGEP	Membrane, Plasma Membrane, Signal Transduction, Regulation Of Catalytic Activity, Regulation Of Small Gtpase Mediated Signal Transduction, Small Gtpase Mediated Signal Transduction, Protein Kinase Binding, Guanyl Nucleotide Exchange Factor Activity	Rap guanine nucleotide exchange factor (GEF) 2	
Rela	NM_009045.4	p65	Cytoplasm, Nucleus, Cytosol, Transcription Factor Complex, Protein Complex, Positive Regulation Of Transcription, DNA Dependent, Positive Regulation Of Cell Proliferation, Negative Regulation Of Apoptosis, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Transcription Dna Dependent, Negative Regulation Of Transcription Dna Depend	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	NEW
Relb	NM_009046.2	shep	Cytoplasm, Nucleus, Cytosol, Cytoskeleton, Transcription Dna Dependent, Regulation Of Transcription, DNA Dependent, Transcription Factor Activity, DNA Binding	avian reticuloendotheliosis viral (v-rel) oncogene related B	NEW
Relna	NM_020509.3	1810019L16Rik, Fizz-1, Fizz1, HIMF, RELM-alpha, RELMa, RELMalpha, Xcp2	Extracellular Region, Hormone Activity	resistin like alpha	NEW
Ripk1	NM_009068.3	D330015H01Rik, RIP, Rinp, Rip1	Membrane, Cytoplasm, Lipid Raft, Receptor Complex, Mitochondrion, Protein Complex, Plasma Membrane, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Signal Transduction, Protein Amino Acid Autophosphorylation, Activation Of Nf Kappab Transcription Factor, Protein Amino Acid Phosphorylation, Phosphorylation, Apoptosis Go, Nucleotide	receptor (TNFRSF)-interacting serine-threonine kinase 1	
Ripk2	NM_138952.3	2210420D18Rik, CARD3, CARDIAK, CCK, D4Bwg0615e, RICK, RIP2	Cytoplasm, T Cell Proliferation, I Kappab Kinase Nf Kappab Cascade, Activation Of Nf Kappab Transcription Factor, Positive Regulation Of I Kappab Kinase Nf Kappab Cascade, Protein Amino Acid Phosphorylation, Innate Immune Response, Phosphorylation, Regulation Of Apoptosis, Apoptosis Go, Nucleotide Binding, Protein Homomerization, Protein Kinase Activity, Kinase Activ	receptor (TNFRSF)-interacting serine-threonine kinase 2	
Rock2	NM_009072.2	B230113H15Rik, ROKalpha, Rho-kinase, Rock-1, Rock2m, mKIAA0619	Membrane, Cytoplasm, Nucleus, Cytoskeleton, Centrosome, Plasma Membrane, Cytokinesis, Signal Transduction, Negative Regulation Of Angiogenesis, Actin Cytoskeleton Organization And Biogenesis, Protein Amino Acid Phosphorylation, Phosphorylation, Rho Protein, Signal Transduction, Nucleotide Binding, Phospholipid Binding, Protein Kinase Activity, Kinase Activ	Rho-associated coiled-coil containing protein kinase 2	
Rps6ka5	NM_153587.2	311005L17Rik, 633044E13Rik, A854034, MSK1, MSPK1, RLPK	Cytoplasm, Nucleus, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Negative Regulation Of Transcription Dna Dependent, Activation Of Nf Kappab Transcription Factor, Inflammatory Response, Response To Stress, Protein Kinase Cascade, Regulation Of Transcription, DNA Dependent, Protein Amino Acid Phosphorylation, Phosphorylation, Nu	ribosomal protein S6 kinase, polypeptide 5	
Shc1	NM_011368.4	Shc, ShcA, p66, p66shc	Cytoplasm, Nucleus, Mitochondrion, Plasma Membrane, Insulin Receptor Signaling Pathway, Neurite Development, Regulation Of Growth, Activation Of Mapk Activity, Angiogenesis, Aging, Actin Cytoskeleton Organization And Biogenesis, Cell Cell Adhesion, Heart Development, Mapkk Cascade Go 0000165, Neuron Differentiation, Protein Complex Binding, Insulin Like	src homology 2 domain-containing transforming protein C1	
Smad7	NM_001042660.1	Madh7	Cytoplasm, Nucleus, Centrosome, Transcription Factor Complex, Protein Complex, Plasma Membrane, Nucleus, Regulation Of Transforming Growth Factor Beta Receptor Signaling Pathway, Transcription Dna Dependent, Protein Stabilization, Regulation Of Transcription, DNA Dependent, Negative Regulation Of Transcription From Rna Polymerase II Promoter, Transfor	SMAD family member 7	NEW
Stat1	NM_009283.3	2010005J02Rik, AA408197	Axon, Cytoplasm, Nucleus, Dendrite, Nucleus, Positive Regulation Of Transcription, DNA Dependent, Positive Regulation Of Cell Proliferation, Jak Stat Cascade, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Response To Nutrient, Transcription Dna Dependent, Negative Regulation Of Angiogenesis, Response To Bacterium, Cytokine And C	signal transducer and activator of transcription 1	
Stat2	NM_019963.1	1600010G07Rik, AW496480	Cytoplasm, Nucleus, Plasma Membrane	signal transducer and activator of transcription 2	NEW
Stat3	NM_213659.2	1110034C02Rik, AW109958, Aprf	Cytoplasm, Nucleus, Plasma Membrane, Positive Regulation Of Transcription, DNA Dependent, Jak Stat Cascade, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Signal Transduction, Transcription Dna Dependent, Sexual Reproduction, Protein Import Into Nucleus, Regulation Of Transcription, DNA Dependent, Intracellular Receptor Mediated Si	signal transducer and activator of transcription 3	NEW
Tbxa2r	NM_001272655.1	TP, TXA2-R	Membrane, Integral To Membrane, Plasma Membrane, Signal Transduction, Inflammatory Response, Second Messenger Mediated Signaling, Positive Regulation Of Angiogenesis, G Protein Coupled Receptor Protein Signaling Pathway, G Protein Coupled Receptor Activity, Receptor Activity	thromboxane A2 receptor	NEW
Tcf4	NM_013685.1	5730422P05Rik, ASP-12, E2-2, E2.2, ITF-2, ITF-2b, ITF-2b, ITF2, ME2, MITF-2A, MITF-2B, SEF-2, SEF2, SEF2-1, TFE, Tcf4, bHLHb19	Nucleus, Transcription Factor Complex, Positive Regulation Of Transcription, DNA Dependent, Nervous System Development, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Transcription Dna Dependent, Transcription Initiation, Protein Dna Complex Assembly, Multicellular Organismal Development, Regulation Of Transcription, DNA Dependent	transcription factor 4	NEW
Tgfb1	NM_011577.1	TGF-beta1, TGFbeta1, Tgfb, Tgfb-1	Proteinaceous Extracellular Matrix, Cell Surface, Axon, Extracellular Region, Cytoplasm, Nucleus, Cell Soma, Secretory Granule, Extracellular Space, Extracellular Matrix, Regulation Of Transforming Growth Factor Beta Receptor Signaling Pathway, Positive Regulation Of Transcription, DNA Dependent, Positive Regulation Of Cell Proliferation, Regulation Of D	transforming growth factor, beta 1	
Tgfb2	NM_009367.1	BB105277, Tgf-beta2, Tgfb-2	Cell Surface, Axon, Extracellular Region, Basement Membrane, Cytoplasm, Cell Soma, Secretory Granule, Extracellular Space, Trans Golgi Network, Extracellular Matrix, Axon Guidance, Positive Regulation Of Cell Proliferation, Negative Regulation Of Apoptosis, Hemopoiesis, Skeletal Development, Epithelial To Mesenchymal Transition, Growth, Intercellular Junct	transforming growth factor, beta 2	
Tgfb3	NM_009368.2	Tgfb-3	Cell Surface, Extracellular Region, Cytoplasm, Nucleus, Cell Soma, Secretory Granule, Extracellular Space, Extracellular Matrix, Positive Regulation Of Transcription, DNA Dependent, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Activation Of Mapk Activity, Organ	transforming growth factor, beta 3	
Tgfbri	NM_009370.2	ALK5, AU017191, Alk-5, TbetaR-1, TbetaRI	Morphogenesis, Intercellular Junction Assembly And Maintenance, Post Cell Junction, Tight Junction, Membrane, Integral To Membrane, Receptor Complex, Basolateral Plasma Membrane, Apical Plasma Membrane, Protein Complex, Plasma Membrane Part, Plasma Membrane, Positive Regulation Of Transcription, DNA Dependent, Positive Regulation Of Cell Proliferation, Negative Regulation Of Apoptosis, Signal Transduction, Skeletal Develop	transforming growth factor, beta receptor I	
Tlr1	NM_030682.1		Intrinsic To Membrane, Membrane, Cytoplasmic Vesicle, Integral To Membrane, Plasma Membrane, Signal Transduction, Defense Response, Inflammatory Response, Immune Response, Innate Immune Response, Receptor Activity, Transmembrane Receptor Activity, Protein Heterodimerization Activity	tlr-like receptor 1	
Tlr2	NM_011905.2	Ly105	External Side Of Plasma Membrane, Cell Surface, Intrinsic To Membrane, Membrane, Cytoplasm, Cytoplasmic Vesicle, Integral To Membrane, Plasma Membrane, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Signal Transduction, Activation Of Nf Kappab Transcription Factor, Inflammatory Response, Positive Regulation Of Cytokine Secretion	tlr-like receptor 2	
Tlr3	NM_126166.2	A1957183	Cell Surface, Membrane, Cytoplasm, Endoplasmic Reticulum, Integral To Membrane, Endosome, Response To Virus, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Signal Transduction, Defense Response, Activation Of Nf Kappab Transcription Factor, Positive Regulation Of I Kappab Kinase Nf Kappab Cascade, Defense Response To Virus, Infla	tlr-like receptor 3	

			External Side Of Plasma Membrane,Cell Surface Membrane,Cytoplasm,Perinuclear Region Of Cytoplasm,Integral To Membrane,Lipid Raft,Integral To Plasma Membrane,Plasma Membrane,Positive Regulation Of Transcription From Rna Polymerase Ii Promoter,Signal Transduction,Activation Of Mapk Activity,Activation Of Nf Kappab Transcription Factor,Posti	
Tlr4	NM_021297.2	Lps, Ly87, RanM1, Ras2-8	Membrane,Integral To Membrane,Membrane Fraction,Signal Transduction,Inflammatory Response,Innate Immune Response,Receptor Activity	toll-like receptor 4
Tlr5	NM_016928.2			toll-like receptor 5
Tlr6	NM_011604.3		Intrinsic To Membrane,Membrane,Cytoplasmic Vesicle,Integral To Membrane,Plasma Membrane,Signal Transduction,Positive Regulation Of I Kappab Kinase Nf Kappab Cascade,Inflammatory Response,Immune Response,Defense Response To Bacterium,Positive Regulation Of Jnk Activity,Innate Immune Response,Receptor Activity,Transmembrane Receptor Activity	toll-like receptor 6
Tlr7	NM_133211.3		Membrane,Cytoplasm,Endoplasmic Reticulum,Cytoplasmic Vesicle,Integral To Membrane,Endosome,Lysosome,Plasma Membrane,Signal Transduction,Defense Response To Virus,Inflammatory Response,Response To Chemical Stimulus,Innate Immune Response,Drug Binding,Double Stranded Rna Binding,Receptor Activity,Single Stranded Rna Binding	toll-like receptor 7
Tlr8	NM_133212.2		Membrane,Integral To Membrane,Response To Virus,Signal Transduction,I Kappab Kinase Nf Kappab Cascade,Defense Response To Virus,Inflammatory Response,Innate Immune Response,Double Stranded Rna Binding,Receptor Activity,Dna Binding,Single Stranded Rna Binding	toll-like receptor 8
				NEW
Tlr9	NM_031178.2		Membrane,Cytoplasm,Endoplasmic Reticulum,Cytoplasmic Vesicle,Integral To Membrane,Endosome,Basolateral Plasma Membrane,Apical Plasma Membrane,Lysosome,Plasma Membrane,Response To Virus,Positive Regulation Of Transcription From Rna Polymerase Ii Promoter,Signal Transduction,Activation Of Nf Kappab Transcription Factor,Positive Regulation Of	toll-like receptor 9
				NEW
Tnf	NM_013693.1	DIF, TNF-a, TNF-alpha, TNFSF2, TNFalpha, Tnfa, Tnfsf1a	External Side Of Plasma Membrane,Cell Surface Extracellular Region,Membrane,Integral To Membrane,Lipid Raft,Integral To Plasma Membrane,Secretory Granule,Extracellular Space,Plasma Membrane,Response To Virus,Glucose Metabolic Process,Positive Regulation Of Transcription,Dna Dependent,Positive Regulation Of Cell Proliferation,Negative Regulation Of Apoptosis,Nucleus,Centrosome,Proteolysis,Anti Apoptosis,Response To Wounding,Apoptosis Go,Kinase Binding,Zinc Ion Binding,Ligase Activity,Ubiquitin Binding,Cysteine Type Peptidase Activity,Peptidase Activity,Dna Binding,Ubiquitin Protein Ligase Activity	tumor necrosis factor
Tnfrsf3	NM_009397.2	A20, Tnfrp3	Extracellular Region,Membrane,Integral To Membrane,Extracellular Space,Plasma Membrane,Immune Response,Receptor Binding,Cytokine Activity	tumor necrosis factor, alpha-induced protein 3
				NEW
Tnfrsf14	NM_019418.2	HVEM-L, HVEM-L, LIGHT, LTg, Ly113	Cytoplasm,Perinuclear Region Of Cytoplasm,Nuclear Body,Signal Transduction,Inflammatory Response,Innate Immune Response,Phosphorylation,Kinase Binding	tumor necrosis factor (ligand) superfamily, member 14
Tollip	NM_023764.3	4930403G24Rik, 4931428G15Rik		toll interacting protein
Tradd	NM_001033161.2	9130005N23Rik, AA930854	Cytoplasm,Cytoskeleton,Lipid Raft,Receptor Complex,Protein Complex,Signal Transduction,Positive Regulation Of I Kappab Kinase Nf Kappab Cascade,Regulation Of Apoptosis,Apoptosis Go,Kinase Binding,Identical Protein Binding,Molecular Adaptor Activity,Protein Complex Binding	TNFRSF1A-associated via death domain
Traf2	NM_009422.2	A132529	Cytoplasm,Cell Cortex,Lipid Raft,Protein Complex,Signal Transduction,Cellular Protein Complex Assembly,Activation Of Nf Kappab Transcription Factor,Regulation Of Jnk Cascade,Positive Regulation Of Transcription Factor Activity,Protein Catabolic Process,Anti Apoptosis,Protein Complex Assembly,Positive Regulation Of Jnk Activity,Regulation O	TNF receptor-associated factor 2
Trem2	NM_031254.2	TREM-2, Trem2a, Trem2b, Trem2c	Extracellular Region,Membrane,Integral To Membrane,Plasma Membrane,Receptor Activity,Transmembrane Receptor Activity	triggering receptor expressed on myeloid cells 2
				NEW
Tslp	NM_021367.1		Extracellular Region,Extracellular Space,Cytokine Activity	thymic stromal lymphopoietin
				NEW
Twist2	NM_007855.2	Dermo1, bHLHa39	Cytoplasm,Nucleus,Transcription Factor Complex,Negative Regulation Of Apoptosis,Transcription Dna Dependent,Negative Regulation Of Transcription Dna Dependent,Multicellular Organismal Development,Regulation Of Transcription From Rna Polymerase Ii Promoter,Negative Regulation Of Dna Binding,Regulation Of Transcription,Dna Dependent,Negative	twist basic helix-loop-helix transcription factor 2
				NEW
Tyropb	NM_011662.2	DAP12, KARAP, Ly83	Membrane,Integral To Membrane,Phosphorylation,Identical Protein Binding,Kinase Activity	TYRO protein tyrosine kinase binding protein
				NEW
Internal Reference Genes				
			Membrane,Spindle,Cytoplasmic Vesicle,Clathrin Coated Vesicle,Membrane Fraction,Membrane Coat,Mitochondrion,Intracellular Protein Transport,Vesicle Mediated Transport,Mitosis,Receptor Mediated Endocytosis,Peptide Binding,Structural Molecule Activity,Protei	
Cltc	NM_001003908.1	3110065L21Rik, CHC, R74732		clathrin, heavy polypeptide (Hc)
Gapdh	NM_001001303.1	Gapd	Endoplasmic Reticulum,Microsome,Lysosome,Soluble Fraction,Carbohydrate Metabolic Process,Sugar Binding,Cation Binding,Hydrolase Activity Acting On Glycosyl Bonds,Hydrolase Activity Hydrolyzing O Glycosyl Compounds	glyceraldehyde-3-phosphate dehydrogenase
Gusb	NM_010368.1	g, Gut, Gur, asd, adipose storage deficiency, Gus-r, Gus-s, Gus-l, Gus-u, Gus	Cytoplasm,Cytosol,Soluble Fraction,Behavior,Nucleotide Binding,Protein Homodimerization Activity,Identical Protein Binding,Transferase Activity Transferring Glycosyl Groups,Magnesium Ion Binding	glucuronidase, beta
Hprt	NM_013556.2	Hprt1	Cytoplasm,Cytosol,Soluble Fraction,Carbohydrate Metabolic Process,Phosphorylation,Nucleotide Binding,Kinase Activity,Adp Binding,Atp Binding	hypoxanthine guanine phosphoribosyl transferase
Pgk1	NM_008828.2	Pgk-1	Cytoplasm,Cytoskeleton,Microtubule,Protein Complex,Microtubule Based Process,Protein Polymerization,Microtubule Based Movement,Gtp Binding,Nucleotide Binding,Protein Complex Binding,Structural Molecule Activity,Structural Constituent Of Cytoskeleton,Gtpas	phosphoglycerate kinase 1
Tubb5	NM_011655.4	AA408537, A1596182, B130022C14Rik, M(beta)5		tubulin, beta 5 class I