

nCounter Human Inflammation V2 Panel Gene List		
Official Symbol	Accession	Official Full Name
AGER	NM_001136.3	RAGE advanced glycosylation end product-specific receptor
ALOX12	NM_000697.1	12-LOX, 12S-LOX, LOG12 Cytoplasmic Part, Membrane, Cytoplasm, Cytosol, Plasma Membrane, Regulation Of Biological Quality, Positive Regulation Of Cell Proliferation, Cell Development, Negative Regulation Of Apoptosis, Programmed Cell Death, Regulation Of Growth, Carboxylic Acid Metabolic Process, Fatty Acid Oxidation, Negative Regulation Of Cellular Process, Regulation Of Cell Defense Response, Inflammatory Response, Response To Stress, Response To External Stimulus, Response To Wounding, Oxidoreductase Activity arachidonate 12-lipoxygenase
ALOX15	NM_001140.3	15-LOX-1, 15LOX-1 Defense Response, Inflammatory Response, Response To Stress, Response To External Stimulus, Response To Wounding, Oxidoreductase Activity arachidonate 15-lipoxygenase
ALOX5	NM_000698.2	S-LO, S-LOX, SLPG, LOG5 Oxidoreductase Activity arachidonate 5-lipoxygenase
AREG	NM_001657.2	AR, CRDGF, SDGF Extracellular Region, Extracellular Region Part, Extracellular Space, Cell Cell Signaling, Cell Proliferation Go 0008283, Receptor Binding, Growth Factor Activity amphiregulin
ARG1	NM_000045.2	Cytoplasm, Carboxylic Acid Metabolic Process, Glutamine Family Amino Acid Metabolic Process, Amino Acid Metabolic Process, Cellular Catabolic Process, Organic Acid Metabolic Process, Nitrogen Compound Metabolic Process, Amino Acid Catabolic Process, Amine Catabolic Process, Amino Acid And Derivative Metabolic Process, Amine Metabolic Process, Catabol arginase, liver
ATF2	NM_001880.2	CRE-BP1, CREB2, HB16, TREB7 Rna Polymerase II Transcription Factor Activity, Transcription Coactivator Activity, Transcription Activator Activity, Transcription Factor Binding, Transcription Cofactor Activity activating transcription factor 2
BCL2L1	NM_138578.1	BCL-XL/S, BCL2L, BCLX, BCLXL, BCLXS, Bcl-X, PPP1R52, bcl-xl, bcl-xs Cytoplasmic Part, Cytoplasm, Mitochondrion, Regulation Of Biological Quality, Cell Development, Negative Regulation Of Apoptosis, Establishment Of Localization, Signal Transduction, Intracellular Transport, Programmed Cell Death, Organelle Organization And Biogenesis, Establishment Of Cellular Localization, Negative Regulation Of Cellular Process, Regu BCL2-like 1
BCL6	NM_001706.2	BCL5, BCL6A, LA23, ZBTB27, ZNF51 Organelle Part, Non Membrane Bound Organelle, Nucleus, Replication Fork, Intracellular Non Membrane Bound Organelle, Intracellular Organelle Part, Chromosomal B-cell CLL/lymphoma 6
BIRC2	NM_001166.3	API1, HAP2, Hiap-2, MH8, RN48, c-AP1, cAP1 Positive Regulation Of Signal Transduction, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Kappab Kinase NF Kappab Cascade, Regulation Of Signal Transduction, Positive Regulation Of I Kappab Kinase NF Kappab Cascade, Protein Kinase Cascade, Positive Regulation Of Biological Process, Positive Regulation Of Cellu baculoviral IAP repeat containing 2
C1QA	NM_015991.2	Extracellular Region, Extracellular Region Part, Extracellular Space, Macromolecular Complex, Protein Complex, Cell Cell Signaling complement component 1, q subcomponent, A chain
C1QB	NM_000491.3	Extracellular Region, Extracellular Region Part, Extracellular Space, Macromolecular Complex, Protein Complex complement component 1, q subcomponent, B chain
C1R	NM_001733.4	Serine Type Peptidase Activity, Endopeptidase Activity, Serine Hydrolase Activity, Peptidase Activity, Serine Type Endopeptidase Activity complement component 1, r subcomponent
C1S	NM_001734.2	Serine Type Peptidase Activity, Endopeptidase Activity, Serine Hydrolase Activity, Peptidase Activity, Serine Type Endopeptidase Activity complement component 1, s subcomponent
C2	NM_000063.3	Extracellular Region, Extracellular Region Part, Extracellular Space, Positive Regulation Of Response To Stimulus, Positive Regulation Of Immune System Process, Defense Response, Positive Regulation Of Immune Response, Positive Regulation Of Multicellular Organismal Process, Immune Effector Process, Adaptive Immune Response Go 0002450, Inflammatory complement component 2
C3	NM_000064.2	AHUS5, ARMD9, ASP, CPAMD1 Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, G Protein Coupled Receptor Protein Signaling Pathway, Receptor Binding complement component 3
C3AR1	NM_004054.2	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma complement component 3a receptor 1
C4A	NM_007293.2	C4, C4A2, C4A3, C4A4, C4A6, C4AD, C4S, C4D, CPAMD2, RG Membrane, Regulation Of Biological Quality, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Defense Response, Inflammatory Response, Response To Stress, Cellular C complement component 4A (Rodgers blood group)
C5	NM_001735.2	Extracellular Region, Extracellular Region Part, Extracellular Space, Regulation Of Kinase Activity, Regulation Of Protein Kinase Activity, Regulation Of Molecular Function, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Regulation Of Transferrase Activity, Positive Regulation Of Catalytic Activity, Defense Response complement component 5
C6	NM_000065.2	complement component 6
C7	NM_000587.2	Intrinsic To Membrane, Membrane Part, Membrane, Pore Complex, Integral To Membrane, Macromolecular Complex, Protein Complex complement component 7
C8A	NM_000562.2	Extracellular Region, Intrinsic To Membrane, Membrane Part, Membrane, Pore Complex, Extracellular Region Part, Integral To Membrane, Extracellular Space, Macromolecular Complex, Protein Complex complement component 8, alpha polypeptide
C8B	NM_000066.2	Membrane complement component 8, beta polypeptide
C9	NM_001737.3	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Multi Organism Process, Interaction With Host complement component 9
CCL11	NM_002986.2	SCYA11 Regulation Of Biological Quality, Response To Virus, Multi Organism Process, Biopolymer Metabolic Process, Signal Transduction, Defense Response, Behavior, Locomotory Behavior, Inflammatory Response, Response To Stress, Cellular Cation Homeostasis, Response To Chemical Stimulus, Post Translational Protein Modification, Cellular Protein Metabolic Proces chemokine (C-C motif) ligand 11
CCL13	NM_005408.2	Ckb10, MCP-4, NCC-1, NCC1, SCYA13, SCY11 Extracellular Region, Extracellular Region Part, Extracellular Space, Regulation Of Biological Quality, Signal Transduction, Defense Response, Behavior, Locomotory Behavior, Cell Cell Signaling, Inflammatory Response, Response To Stress, Cellular Cation Homeostasis, Response To Chemical Stimulus, Homeostatic Process, Cellular Homeostasis, Response To Ext Behavior, Locomotory Behavior, Cell Cell Signaling, Response To Chemical Stimulus, Response To External Stimulus, G Protein Coupled Receptor Binding, Chemokine Activity, Chemokine Receptor Binding, Receptor Binding, Cytokine Activity chemokine (C-C motif) ligand 13
CCL16	NM_004500.2	Ckb12, HCC-4, ILUNC, LCC-1, LEC, LMC, Mtn-1, NCC-4, NCC4, SCYA16, SCYL4 Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Behavior, Locomotory Behavior, Multicellular Organismal Development, Cell Cell Signaling, Response To Chemical Stimulus, Response To External Stimulus, G Protein Coupled Receptor Protein Signaling Pathway, G Protein Coupled Receptor Binding, Chemokine Activity, Chemokine Receptor Binding, Receptor Binding, Cytokine Activity chemokine (C-C motif) ligand 16
CCL17	NM_002987.2	A-152E5.3, ABCD-2, SCYA17, TARC Regulation Of Biological Quality, Response To Virus, Multi Organism Process, Signal Transduction, Behavior, Locomotory Behavior, Cellular Cation Homeostasis, Response To Chemical Stimulus, Immune Response, Response To Biotic Stimulus, Response To Other Organism, Homeostatic Process, Cellular Homeostasis, Immune System Process, Response To External Stimu chemokine (C-C motif) ligand 17
CCL19	NM_006274.2	Ckb11, ELC, MIP-3b, MIP3b, SCYA19 Extracellular Region, Extracellular Region Part, Extracellular Space, Regulation Of Biological Quality, System Development, Jak Stat Cascade, Cell Development, Negative Regulation Of Apoptosis, Viral Genome Replication, Biopolymer Metabolic Process, Signal Transduction, Reproductive Process, Cell Surface Receptor Linked Signal Transduction Go 0007166, chemokine (C-C motif) ligand 19
CCL2	NM_002982.3	GDCF-2, HC11, HSMCR30, MCAF, MCP-1, MCP1, SCYA2, SMC-CF Extracellular Region, Extracellular Region Part, Extracellular Space, Signal Transduction, Defense Response, Behavior, Locomotory Behavior, Cell Cell Signaling, Inflammatory Response, Response To Stress, Response To Chemical Stimulus, Immune Response, Immune System Process, Response To External Stimulus, Response To Wounding, G Protein Coupled Receptor B chemokine (C-C motif) ligand 20
CCL20	NM_004591.1	Ckb4, LARC, MIP-3-alpha, MIP-3a, MIP3A, SCYA20, ST38 Defense Response, Behavior, Locomotory Behavior, Cell Cell Signaling, Inflammatory Response, Response To Stress, Response To Chemical Stimulus, Immune Response, Immune System Process, Response To External Stimulus, Response To Wounding, G Protein Coupled Receptor Binding, Chemokine Activity, Chemokine Receptor Binding, Receptor Binding, Cytokine Activity chemokine (C-C motif) ligand 21
CCL21	NM_002989.2	6CKine, Ckb9, ECL, SCYA21, SLIC, TCA4 Extracellular Region, Extracellular Region Part, Extracellular Space, Response To Virus, Multi Organism Process, Signal Transduction, Defense Response, Behavior, Locomotory Behavior, Cell Cell Signaling, Inflammatory Response, Response To Stress, Response To Chemical Stimulus, Immune Response, Response To Biotic Stimulus, Response To Other Organism, Immun chemokine (C-C motif) ligand 22
CCL22	NM_002990.3	ABCD-1, DC/B-CK, MDC, SCYA22, STCP-1 Regulation Of Biological Quality, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Defense Response, Behavior, Negative Regulation Of Cellular Process, Locomotory Behavior, Cell Cell Signaling, Inflammatory Response, Response To Stress, Cellular Cation Homeostasis, Response To Chemical Stimulus, Immune Response, Response To Chemical Stimulus, Immune System Process, Response To External Stimulus, Response To Wounding, G Protein Coupled Receptor Binding, Chemokine Activity, Chemokine Receptor Binding, Receptor Binding, Cytokine Activity chemokine (C-C motif) ligand 23
CCL23	NM_145898.1	CK-BETA-8, Ckb8, Ckb-8, Ckb-8-1, MIP-3, MIP3, MIPF-1, SCYA23 Signal Transduction, Defense Response, Behavior, Locomotory Behavior, Cell Cell Signaling, Inflammatory Response, Response To Stress, Response To Chemical Stimulus, Immune Response, Immune System Process, Response To External Stimulus, Response To Wounding, G Protein Coupled Receptor Binding, Chemokine Activity, Chemokine Receptor Binding, Receptor Binding, Cytokine Activity, Chemokine Receptor Binding, Receptor Bindi chemokine (C-C motif) ligand 24
CCL24	NM_002991.2	Ckb-6, MIPF-2, MIPF2, SCYA24 Cell Fraction, Soluble Fraction, Regulation Of Biological Quality, Viral Genome Replication, Establishment Of Localization, Secretory Pathway, Signal Transduction, Reproductive Process, Secretion By Cell, Cell Surface Receptor Linked Signal Transduction Go 0007166, Organelle Organization And Biogenesis, Establishment Of Cellular Localization, Viral In chemokine (C-C motif) ligand 3
CCL3	NM_002983.2	G0519-1, LD78ALPHA, MIP-1-alpha, MIP1A, SCYA3 Localization, Viral In

CCL4	NM_002984.2	ACT2, AT744.1, G-26, HC21, LAG-1, LAG1, MIP-1-beta, MIP1B, MIP1B1, SCYA2, SCYA4	Extracellular Region, Extracellular Region Part, Extracellular Space, Response To Virus, Multi Organism Process, Viral Genome Replication, Signal Transduction, Reproductive Process, Anatomical Structure Morphogenesis, Viral Infectious Cycle, Viral Reproductive Process, Defense Response, Viral Reproduction, Cell Cell Signaling, Inflammatory Response, Resp	chemokine (C-C motif) ligand 4
CCL5	NM_002985.2	D17S136E, RANTES, SCYA5, S1d4, TCP228	Regulation Of Biological Quality, Response To Virus, Multi Organism Process, Establishment Of Localization, Secretory Pathway, Signal Transduction, Secretion By Cell, Establishment Of Cellular Localization, Defense Response, Behavior, Locomotory Behavior, Cell Cell Signaling, Inflammatory Response, Response To Stress, Cellular Cation Homeostasis, Respons	chemokine (C-C motif) ligand 5
CCL7	NM_006273.2	FIC, MARC, MCP-3, MCP3, NC28, SCYA6, SCYA7	Extracellular Region, Extracellular Region Part, Extracellular Space, Regulation Of Biological Quality, Signal Transduction, Behavior, Locomotory Behavior, Cell Cell Signaling, Cellular Cation Homeostasis, Response To Chemical Stimulus, Homeostatic Process, Cellular Homeostasis, Response To External Stimulus, Chemical Homeostasis, Ion Homeostasis, Cation	chemokine (C-C motif) ligand 7
CCL8	NM_005673.2	HC14, MCP-2, MCP2, SCYA10, SCYA8	Response To Virus, Multi Organism Process, Establishment Of Localization, Di Tri Valent Inorganic Cation Transport, Secretory Pathway, Signal Transduction, Secretion By Cell, Establishment Of Cellular Localization, Behavior, Locomotory Behavior, Calcium Ion Transport, Cell Cell Signaling, Metal Ion Transport, Response To Chemical Stimulus, Response To	chemokine (C-C motif) ligand 8
CCR1	NM_001295.2	CD191, CKR-1, CKR1, CMKBR1, HMI45, MIP1aR, SCYA81	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Regulation Of Biological Quality, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Defense Response, Cell Cell Signaling, Inflammatory Response, Response	chemokine (C-C motif) receptor 1
CCR2	NM_001123041.2	CC-CKR-2, CCR-2, CCR2A, CCR2B, CD192, CKR2, CKR2A, CKR2B, CMKBR2, MCP-1-R	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Regulation Of Biological Quality, Signal Transduction, Cell Surface Receptor Linked Signal 1	chemokine (C-C motif) receptor 2
CCR3	NM_001837.2	CC-CKR-3, CD193, CKR3, CMKBR3	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Regulation Of Biological Quality, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Defense Response, Behavior, Locomotory Behavior, Inflammatory Response,	chemokine (C-C motif) receptor 3
CCR4	NM_005508.4	CC-CKR-4, CD194, CKR4, CMKBR4, ChemR13, HGCN:14099, KS-5	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Positive Regulation Of Signal Transduction, Macromolecule Complex Assembly, Signal Transduction, Defense Response, I	chemokine (C-C motif) receptor 4
CCR7	NM_001838.2	BLR2, CD197, CDw197, CMKBR7, EB11	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Regulation Of Biological Quality, Defense Response, Behavior, Locomotory Behavior, Inflammatory Response, Response To Stress, Cellular Cation Homeostasis, Response To Chemical Stimulus, Hom	chemokine (C-C motif) receptor 7
CD163	NM_004244.4	M130, MM130	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane	CD163 molecule
CD4	NM_000616.3	CD4mut	Membrane, Plasma Membrane, System Development, Multi Organism Process, Regulation Of Kinase Activity, Cell Activation, Regulation Of Protein Kinase Activity, Regulation Of Molecular Function, Lymphocyte Differentiation, Regulation Of Transferase Activity, Hemopoiesis, Immune System Development, Positive Regulation Of Catalytic Activity, Sexual Reproduc	CD4 molecule
CD40	NM_001250.4	Bp50, CDW40, TNFRSF5, p50	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Soluble Fraction, Regulation Of Biological Quality, Dna Metabolic Process, System Development, Hemostasis, Cell Development, Negative Regulation Of Apoptosis, Cell Activation	CD40 molecule, TNF receptor superfamily member 5
CD40LG	NM_000074.2	CD154, CD40L, HIGM1, IGM, IMD3, T-BAAM, TNFSF5, TRAP, gp39, HCD40L	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Cell Fraction, Integral To Membrane, Lipid Raft, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Soluble Fraction, Regulation Of Biological Quality, Cellular Cation Homeostasis, Homeostatic Process, Cellular Homeostasis, Chemical Homeostasis, Ion Homeostasis,	CD40 ligand
CD55	NM_000574.3	CR, CROM, DAF, TC	Positive Regulation Of Cell Proliferation, Immune Response, Cell Proliferation Go 0008283, Immune System Process, Positive Regulation Of Biological Process, Positive Regulation Of Cellular Process, Regulation Of Cell Proliferation	CD55 molecule, decay accelerating factor for complement (Cromer blood group)
CD86	NM_175862.3	B7-2, B7.2, B70, CD28LG2, LAB72	Membrane, Cytoplasm, Cell Projection, Plasma Membrane, System Development, Macromolecule Complex Assembly, Regulation Of Anatomical Structure Morphogenesis, Hemopoiesis, Immune System Development, Organelle Organization And Biogenesis, Anatomical Structure Morphogenesis, Actin Filament Based Process, Regulation Of Protein Metabolic Process, Negative R	CD86 molecule
CDC42	NM_001039802.1	CDCA2Hs, G2SK	Nucleus, Rna Metabolic Process, Biopolymer Metabolic Process, Nucleobase Nucleoside Nucleotide And Nucleic Acid Metabolic Process, Transcription Dna Dependent, Defense Response, Rna Biosynthetic Process, Inflammatory Response, Response To Stress, Immune Response, Immune System Process, Transcription, Response To External Stimulus, Acute Inflammatory Resp	cell division cycle 42 (GTP binding protein, 25kDa)
CEBPB	NM_005194.2	C/EBP-beta, CRP2, IL6DBP, LAP, NF-IL6, TCF5	Proteolysis, Cellular Protein Metabolic Process, Protein Metabolic Process, Cellular Macromolecule Metabolic Process, Serine Type Peptidase Activity, Endopeptidase Activity, Serine Hydrolase Activity, Peptidase Activity, Serine Type Endopeptidase Activity	CCAAT/enhancer binding protein (C/EBP), beta complement factor 8
CFB	NM_001710.5	AHUS4, BF, BFD, CFAB, FB, FB112, GBG, H2-BF, PBF2	Cytosol, Nucleus, Cell Development, Negative Regulation Of Apoptosis, Signal Transduction, Programmed Cell Death, Organelle Organization And Biogenesis, Actin Filament Based Process, Negative Regulation Of Cellular Process, Regulation Of Developmental Process, Ras Protein Signal Transduction, Actin Cytoskeleton Organization And Biogenesis, Anti Apop	complement factor D (adipsin)
CFD	NM_001928.2	ADIP3IN, ADN, DF, PFD	Nucleus, Signal Transduction, Transcription Factor Activity, Transcription Factor Binding, Dna Binding, Transcription Cofactor Activity	complement factor D (adipsin)
CFL1	NM_005507.2	CFL	Defense Response, Inflammatory Response, Response To Stress, Response To External Stimulus, Response To Wounding	cofilin 1 (non-muscle)
CREB1	NM_134442.2	CREB	System Development, Positive Regulation Of Cell Proliferation, Hemopoiesis, Immune System Development, Myeloid Cell Differentiation, Leukocyte Differentiation, Multicellular Organismal Development, Myeloid Leukocyte Differentiation, Hemopoietic Or Lymphoid Organ Development, Cell Proliferation Go 0008283, Immune System Process, Anatomical Structure D	cAMP responsive element binding protein 1
CRP	NM_000567.2	PTX1	Hematopoietin Interferon Class200 Domain Cytokine Receptor Binding, Receptor Binding, Cytokine Activity, Growth Factor Activity	C-reactive protein, pentraxin-related
CSF1	NM_000757.4	CSF-1, MCSF	Extracellular Region, Extracellular Region Part, Extracellular Space, Positive Regulation Of Cell Proliferation, Multicellular Organismal Development, Cell Proliferation Go 0008283, Positive Regulation Of Biological Process, Positive Regulation Of Cellular Process, Regulation Of Cell Proliferation, Hematopoietin Interferon Class200 Domain Cytokine	colony stimulating factor 1 (macrophage)
CSF2	NM_000758.2	GMCSF	Extracellular Region, Extracellular Region Part, Extracellular Space, System Development, Nervous System Development, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Organelle Organization And Biogenesis, Defense Response, Actin Filament Based Process, Behavior, Negative Regulation Of Cellular Process, Locomotory Beha	colony stimulating factor 2 (granulocyte-macrophage)
CSF3	NM_000759.2	C17orf33, CSF3OS, GCSF	Extracellular Region, Extracellular Region Part, Extracellular Space, Soluble Fraction, Defense Response, Behavior, Locomotory Behavior, Inflammatory Response, Response To Stress, Response To Chemical Stimulus, Response To External Stimulus, Response To Wounding, G Protein Coupled Receptor Binding, Chemokine Activity, Chemokine Receptor Bi	colony stimulating factor 3 (granulocyte)
CXCL1	NM_001511.1	FSP, GRO1, GROa, MGSa, MGSa-a, NAP-3, SCYB1	Extracellular Region, Extracellular Region Part, Extracellular Space, System Development, Muscle Development, System Development, Positive Regulation Of Cell Proliferation, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Defense Response, Behavior, Locomotory Behavior, Multicellular Organismal Development, Cell Cell Signaling, Inflammatory Response, Response To Stress, Response To Chemical Stimulus, Cell Pr	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
CXCL10	NM_001565.1	C7, IFI10, INP10, IP-10, SCYB10, crg-2, gIP-10, mob-1	Extracellular Region, Cell Fraction, Extracellular Region Part, Extracellular Space, Soluble Fraction, Defense Response, Behavior, Locomotory Behavior, Inflammatory Response, Response To Stress, Response To Chemical Stimulus, Response To External Stimulus, Response To Wounding, G Protein Coupled Receptor Binding, Chemokine Activity, Chemokine Receptor Bi	chemokine (C-X-C motif) ligand 10
CXCL2	NM_002089.3	CINC-2a, GRO2, GROB, MGSa-b, MIP-2a, MIP2A, SCYB2	Extracellular Region, Extracellular Region Part, Extracellular Space, System Development, Nervous System Development, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Organelle Organization And Biogenesis, Defense Response, Actin Filament Based Process, Behavior, Negative Regulation Of Cellular Process, Locomotory Beha	chemokine (C-X-C motif) ligand 2
CXCL3	NM_002090.2	CINC-2b, GRO3, GROg, MIP-2b, MIP2B, SCYB3	Extracellular Region, Extracellular Region Part, Extracellular Space, G Protein Coupled Receptor Binding, Chemokine Activity, Chemokine Receptor Binding, Receptor Binding, Cytokine Activity	chemokine (C-X-C motif) ligand 3
CXCL5	NM_002994.3	ENA-7b, SCYB5	Positive Regulation Of Cell Proliferation, Signal Transduction, Behavior, Locomotory Behavior, Cell Cell Signaling, Response To Chemical Stimulus, Cell Proliferation Go 0008283, Positive Regulation Of Biological Process, Response To External Stimulus, Positive Regulation Of Cellular Process, Regulation Of Cell Proliferation, G Protein Coupled Recepto	chemokine (C-X-C motif) ligand 5
CXCL6	NM_002993.3	CKA-3, GCP-2, GCP2, SCYB6	Signal Transduction, Defense Response, Behavior, Locomotory Behavior, Cell Cell Signaling, Inflammatory Response, Response To Stress, Response To Chemical Stimulus, Response To External Stimulus, Response To Wounding, G Protein Coupled Receptor Binding, Chemokine Activity, Chemokine Receptor Binding, Receptor Binding, Cytokine Activity	chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2)

			Extracellular Region, Extracellular Region Part, Extracellular Space, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Defense Response, Behavior, Locomotory Behavior, Cell Signaling, Inflammatory Response, Response To Stress, Response To Chemical Stimulus, Response To External Stimulus, Response To Wounding, G Prot	
CXCL9	NM_002416.1	CMK, Humig, MIG, SCY89, cgr-10		chemokine (C-X-C motif) ligand 9
CXCR1	NM_000634.2	C-C, C-CR-1, CD128, CD181, CDw128a, CR-1, CMKAR1, IL8R1, IL8RA, IL8RBA		chemokine (C-X-C motif) receptor 1
CXCR2	NM_001557.2	CD182, CDw128b, CMKAR2, IL8R2, IL8RA, IL8RB		chemokine (C-X-C motif) receptor 2
CXCR4	NM_003467.2	CD184, D2S201E, FB22, HM89, HSY3RR, LAP3, LCR1, LESTR, NPY3R, NPYR, NPYRL, NPY3R, WHIM	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Cytoplasm, Integral To Membrane, Integral To Plasma Membrane, Leading Edge, Plasma Membrane Part, Plasma Membrane, Regulation Of Biological Quality, Response To Virus, Multi Organism Process, Cell Development, Regulation Of Kinase Activity, Regulation Of Protein Kinase Activity	chemokine (C-X-C motif) receptor 4
CYSLTR1	NM_006639.2	CYSLT1, CYSLT1R, CYSLTR, HG55, HMTMF81	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Cell Fraction, Integral To Membrane, Integral To Plasma Membrane, Membrane Fraction, Plasma Membrane Part, Plasma Membrane, Regulation Of Biological Quality, Defense Response, Cellular Cation Homeostasis, Homeostatic Process, Cellular Homeostasis, Respiratory Gaseous Exchange, C	cysteinyl leukotriene receptor 1
CYSLTR2	NM_029377.2	CYSLT2, CYSLTR, HG57, HPN321, KPG_011, hGPCR21		cysteinyl leukotriene receptor 2
DAXX	NM_001350.3	BING2, DAP6, EAP1	Cytoplasm, Nucleus, Rna Metabolic Process, Negative Regulation Of Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Negative Regulation Of Cellular Metabolic Process, Cell Development, Regulation Of Kinase Activity, Regulation Of Protein Kinase Activity, Biopolymer Metabolic Process, Regulation Of Molecular Function, Signal Transduc	death-domain associated protein
DDIT3	NM_004083.4	CEBPZ, CHOP, CHOP-10, CHOP10, GADD153	Regulation Of Biological Quality, Rna Metabolic Process, Biopolymer Metabolic Process, Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Response To Endogenous Stimulus, Transcription Dna Dependent, Rna Biosynthetic Process, Regulation Of Homeostatic Process, Response To Stress, Regulation Of Cellular Metabolic Process, Regulation O	DNA-damage-inducible transcript 3
DEFA1	NM_004084.2	DEF1, DEFA2, HNP-1, HP-1, HP1, MRS	Behavior, Locomotory Behavior, Response To Chemical Stimulus, Immune Response, Immune System Process, Response To External Stimulus	defensin, alpha 1
ELK1	NM_005229.3		Rna Metabolic Process, Positive Regulation Of Transcription, Dna Dependent, Biopolymer Metabolic Process, Positive Regulation Of Transcription From Rna Polymerase II Promoter, Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Transcription Dna Dependent, Positive Regulation Of Nucleobasenucleosidenucleotide And Nucleic Acid Metabo	ELK1, member of ETS oncogene family
FASLG	NM_000639.1	ALPS1B, APT1G1, CD178, CD95-L, CD95L, FASL, TNFSF6	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Positive Regulation Of Signal Transduction, Cell Development, Signal Transduction, Programmed Cell Death, I Kappa Kinase NF Kappa Cascade, Regulation Of Signal Transduction, Regulation Intrinsic To Plasma Membrane, Extracellular Region, Intrinsic To Membrane, Membrane Part, Membrane, Extracellular Region Part, Integral To Membrane, Integral To Plasma Membrane, Extracellular Space, Plasma Membrane Part, Plasma Membrane, Multi Organism Process, Positive Regulation Of Cell Proliferation, Female Pregnancy, Reproductive Process, Cell Prolif	Fas ligand (TNF superfamily, member 6)
FLT1	NM_002019.4	FLT, FLT-1, VEGFR-1, VEGFR1	Nucleus, Dna Metabolic Process, Rna Metabolic Process, One Carbon Compound Metabolic Process, Biopolymer Metabolic Process, Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Transcription Dna Dependent, Defense Response, Rna Biosynthetic Process, Regulation Of Transcription From Rna Polymerase II Promoter, Inflammatory Response, Resp	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
FOS	NM_005252.2	AP-1, C-FOS, p55	Nucleus, Dna Metabolic Process, Rna Metabolic Process, One Carbon Compound Metabolic Process, Biopolymer Metabolic Process, Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Transcription Dna Dependent, Defense Response, Rna Biosynthetic Process, Regulation Of Transcription From Rna Polymerase II Promoter, Inflammatory Response, Resp	Fb1 murine osteosarcoma viral oncogene homolog
FXYD2	NM_021603.3	ATP1G1, HOMG2	Hydrolase Activity Acting On Acid Anhydrides, Active Transmembrane Transporter Activity, ATPase Activity Coupled To Transmembrane Movement Of Ions Phosphorylating Mechanism, Substrate Specific Transmembrane Transporter Activity, Hydrolase Activity Acting On Acid Anhydrides catalyzing Transmembrane Movement Of Substances, Substrate Specific Trans	FXYD domain containing ion transport regulator 2
GNAQ	NM_002072.2	G-ALPHA-q, GAAQ	Membrane, Cytoplasm, Plasma Membrane, Regulation Of Biological Quality, Regulation Of Hydrolase Activity, Hemostasis, G Protein Signaling Coupled To Ij3 Second Messenger, Phospholipase C Activating, Regulation Of Molecular Function, Signal Transduction, Phospholipase C Activation, Cell Surface Receptor Linked Signal Transduction Go 0007166, Positive Re	guanine nucleotide binding protein (G protein), q polypeptide
GNAS	NM_080475.1	AHO, C20orf45, GNAS1, GP5A, GSA, GSP, NESP, PHP1A, PHP1B, PHP1C, POH	Extrinsic To Plasma Membrane, Organelle Part, Golgi Membrane, Intrinsic To Membrane, Cytoplasmic Part, Membrane Part, Golgi Apparatus, Membrane, Cytoplasm, Golgi Apparatus Part, Organelle Membrane, Endomembrane System, Intracellular Organelle Part, Macromolecular Complex, Trans Golgi Network, Protein Complex, Extrinsic To Membrane, Plasma Membrane Part, Pla	GNAS complex locus
GNB1	NM_002074.3		Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Ras Protein Signaling Pathway, Insulin Receptor Signaling Pathway, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Ras Protein Signaling Pathway, Hydrolase Activity Acting On Acid Anhydrides, Nucleoside Triphosphatase Activity, Gtpase Activity, Pyroph	guanine nucleotide binding protein (G protein), beta polypeptide 1
GNGT1	NM_021955.3	GNG1	Hydrolase Activity Acting On Acid Anhydrides, Nucleoside Triphosphatase Activity, Gtpase Activity, Pyrophosphatase Activity	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1
GRB2	NM_203506.2	ASH, EGFRBP-GRB2, Grb3-3, MST084, MSTP084, NCKAP2	Cytoplasmic Part, Cytoplasm, Cytosol, Enzyme Linked Receptor Protein Signaling Pathway, Insulin Receptor Signaling Pathway, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Ras Protein Signaling Pathway, Cell Signaling, Epidermal Growth Factor Receptor Signaling Pathway, Transmembrane Receptor Protein Tyrosine	growth factor receptor-bound protein 2
HDAC4	NM_006037.3	AHO3, BDMR, HA6116, HD4, HDAC-4, HDAC-A, HDACA	Nucleoplasm, Organelle Part, Nuclear Part, Cytoplasm, Organelle Lumen, Nuclear Lumen, Nucleus, Histone Deacetylase Complex, Membrane Enclosed Lumen, Nucleoplasm Part, Intracellular Organelle Part, Macromolecular Complex, Transcription Factor Complex, Protein Complex, Rna Metabolic Process, Muscle Development, System Development, Nervous System Development,	histone deacetylase 4
HIF1A	NM_001530.2	HIF-1A, HIF-1alpha, HIF1, HIF1-ALPHA, MOP1, PASD8, bHLHe78	Nucleoplasm, Organelle Part, Nuclear Part, Organelle Lumen, Nuclear Lumen, Nucleus, Membrane Enclosed Lumen, Nucleoplasm Part, Intracellular Organelle Part, Macromolecular Complex, Transcription Factor Complex, Protein Complex, Regulation Of Biological Quality, Rna Metabolic Process, Positive Regulation Of Transcription, Dna Dependent, Biopolymer Metabolic	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
HLA-DRA	NM_019111.3	HLA-DRA1, MLRW		major histocompatibility complex, class II, DR alpha
HLA-DRB1	NM_002124.1	DRB1, DRw10, HLA-DR18, HLA-DRB, S51		major histocompatibility complex, class II, DR beta 1
HMG1	NM_002128.4	HMG1, HMG3, SBP-1	Non Membrane Bound Organelle, Nucleus, Intracellular Non Membrane Bound Organelle, Condensed Chromosome, Chromosome, Dna Metabolic Process, Rna Metabolic Process, Dna Repair, Negative Regulation Of Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Negative Regulation Of Cellular Metabolic Process, Cell Development, Negative Regulatio	high mobility group box 1
HMG2	NM_001130688.1	HMG2	Organelle Part, Cytoplasmic Part, Nuclear Chromosome, Nuclear Part, Cytoplasm, Non Membrane Bound Organelle, Nucleus, Perinuclear Region Of Cytoplasm, Intracellular Non Membrane Bound Organelle, Intracellular Organelle Part, Condensed Chromosome, Chromosome, Dna Metabolic Process, Rna Metabolic Process, Dna Repair, Biopolymer Metabolic Process, Nucleobase	high mobility group box 2
HMGN1	NM_004965.6	HMG14	Organelle Part, Chromatin, Non Membrane Bound Organelle, Nucleus, Intracellular Non Membrane Bound Organelle, Intracellular Organelle Part, Chromosomal Part, Chromosome, Rna Polymerase II Transcription Factor Activity, Transcription Elongation Regulator Activity, Dna Binding	high mobility group nucleosome binding domain 1
HNRAS	NM_005343.2	C-BAS/HAS, C-H-RAS, C-HA-RAS1, CTLO, H-RASID3, HAMSU, HRAS1, K-RAS, N-RAS, RAS1	Membrane, Cytoplasm, Plasma Membrane, System Development, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Anatomical Structure	v-Ha-ras Harvey rat sarcoma viral oncogene homolog
HS2D	NM_032855.2	ALX, HSH2	Morphogenesis, Behavior, Locomotory Behavior, Multicellular Organismal Development, Organ Morphogenesis, Response To Chemical Stimulus, Anatomical Structure Development, Response To External St	hematopoietic SH2 domain containing
HSPB1	NM_001540.3	CMT2F, HMN20, H5.76067, HSP27, HSP28, Hsp25, SRP27	Cell Surface, Cytoplasm, Non Membrane Bound Organelle, Cytoskeleton, Intracellular Non Membrane Bound Organelle, Cell Development, Negative Regulation Of Apoptosis, Macromolecular Complex Assembly, Biosynthetic Process, Programmed Cell Death, Translational Initiation, Regulation Of Translational Initiation, Regulation Of Translation, Regulation Of Prot	heat shock 27kDa protein 1
HSPB2	NM_001541.3	HSP27, Hs.78846, ILOH11CR1K, MKBP		heat shock 27kDa protein 2
IFI44	NM_006417.4	MTAP44, p44	Cytoplasmic Part, Cytoplasm, Cytosol, Enzyme Activator Activity, Enzyme Regulator Activity, Response To Virus, Multi Organism Process, Response To Biotic Stimulus, Response To Other Organism	interferon-induced protein 44
IFIT1	NM_001548.3	CS6, G10P1, IFI-56, IFI-56K, IFI56, IFIT-1, IFN11, ISG56, P56, RNM561		interferon-induced protein with tetratricopeptide repeats 1
IFIT2	NM_001547.4	G10P2, GARG-39, IFI-54, IFI-54K, IFI54, IFIT-2, ISG-54 K, ISG-54K, ISG54, cig42		interferon-induced protein with tetratricopeptide repeats 2
IFIT3	NM_001031683.2	G1G-49, GARG-49, IFI60, IFIT4, IKG2, ISG60, RIG-G		interferon-induced protein with tetratricopeptide repeats 3
IFNA1	NM_024013.1	IFL, IFN, IFN-ALPHA, IFN-alpha2, IFNA13, IFNA@		interferon, alpha 1
IFNB1	NM_002176.2	IFB, IF, IFNB	Regulation Of Hydrolase Activity, Cell Development, Regulation Of Molecular Function, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Programmed Cell Death, Positive Regulation Of Catalytic Activity, Regulation Of Developmental Process, Positive Regulation Of Hydrolase Activity, Positive Regulation Of Caspase Activ	interferon, beta 1, fibroblast
IFNG	NM_000619.2	IFG, IFI	Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Cytokine Production, Positive Regulation Of Multicellular Organismal Process, Regulation Of Cytokine Production, Positive Regulation Of Biological Process, Regulation Of Multicellular Organismal Process, Positive Regulation Of Cytokine Production, Hematopoietin Inter	interferon, gamma

IL10	NM_000572.2	CSIF, GVHDS, IL-10, IL10A, TGIF	Negative Regulation Of Cellular Metabolic Process, System Development, Multi Organism Process, Negative Regulation Of Cellular Protein Metabolic Process, Negative Regulation Of Cellular Biosynthetic Process, Biosynthetic Process, Hemopoiesis, Immune System Development, Regulation Of Translation, Behavior, Regulation Of Protein Metabolic Process, Negat	interleukin 10
IL10RB	NM_000678.3	CDW210B, CRF2-4, CRFB4, D2155B, D2156E, IL-10R2	Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Plasma Membrane, Signal Transduction, Defense Response, Inflammatory Response, Response To Stress, Immune Response, Immune System Process, Response To External Stimulus, Response To Wounding, Interleukin Binding, Receptor Activity, Transmembrane Receptor Activity, Hematopoietin Interfer	interleukin 10 receptor, beta
IL11	NM_000641.2	AGIF, IL-11	Regulation Of Secretion, Positive Regulation Of Cell Proliferation, Establishment Of Localization, Hormone Secretion, Regulation Of Hormone Secretion, Negative Regulation Of Cellular Process, Cell Cell Signaling, Secretion, Generation Of A Signal Involved In Cell Cell Signaling, Negative Regulation Of Secretion, Cell Proliferation Go 0008283, Positiv	interleukin 11
IL12A	NM_000882.2	CLMF, IL-12A, NFSK, NKSF1, P35	Extracellular Region, Extracellular Region Part, Extracellular Space, Macromolecular Complex, Protein Complex, Positive Regulation Of Phosphate Metabolic Process, Positive Regulation Of Response To Stimulus, Positive Regulation Of Signal Transduction, Regulation Of Defense Response, Multi Organism Process, Jak Stat Cascade, Cell Development, Cell Acti	interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)
IL12B	NM_002187.2	CLMF, CLMF2, IL-12B, NKSF, NKSF2	Extracellular Region, Extracellular Region Part, Extracellular Space, Macromolecular Complex, Protein Complex, Positive Regulation Of Translation, Positive Regulation Of Response To Stimulus, System Development, Regulation Of Defense Response, Positive Regulation Of Cell Proliferation, Cell Development, Cell Activation, T Cell Proliferation, Positive B	interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)
IL13	NM_002188.2	ALRH, BHR1, IL-13, P600	Cell Fraction, Soluble Fraction, Defense Response, Inflammatory Response, Response To Stress, Response To External Stimulus, Response To Wounding	interleukin 13
IL15	NM_000585.3	IL-15	Intrinsic To Plasma Membrane, Extracellular Region, Intrinsic To Membrane, Cytoplasmic Part, Membrane Part, Golgi Apparatus, Membrane, Cytoplasm, Cell Fraction, Extracellular Region Part, Integral To Membrane, Integral To Plasma Membrane, Endosome, Membrane Fraction, Extracellular Space, Plasma Membrane Part, Plasma Membrane, Positive Regulation Of Cell Pr	interleukin 15
IL17A	NM_002190.2	CTLA8, IL-17, IL-17A, IL17	Extracellular Region, Extracellular Region Part, Extracellular Space, Glycoprotein Metabolic Process, Cell Development, Biopolymer Metabolic Process, Biosynthetic Process, Programmed Cell Death, Cell Cell Signaling, Immune Response, Cellular Protein Metabolic Process, Macromolecule Biosynthetic Process, Biopolymer Modification, Glycoprotein Biosyntheti	interleukin 17A
IL18	NM_001562.2	IGIF, IL-18, IL-1g, IL1F4	Extracellular Region, System Development, Positive Regulation Of Cell Proliferation, Cell Activation, T Cell Proliferation, Positive Regulation Of Immune System Process, Biosynthetic Process, Anatomical Structure Morphogenesis, Cytokine Metabolic Process, Regulation Of Cell Adhesion, Regulation Of T Cell Activation, Cytokine Production, Positive Regul	interleukin 18 (interferon-gamma-inducing factor)
IL18RAP	NM_003853.2	ACPL, CD218b, CDw218b, IL18RB	Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Defense Response, Inflammatory Response, Response To Stress, Response To External Stimulus, Response To Wounding	interleukin 18 receptor accessory protein
IL1A	NM_000575.3	IL-1A, IL1, IL1-ALPHA, IL1F1	Extracellular Region, Extracellular Region Part, Extracellular Space, Cell Development, Negative Regulation Of Apoptosis, Programmed Cell Death, Defense Response, Negative Regulation Of Cellular Process, Regulation Of Developmental Process, Inflammatory Response, Response To Stress, Negative Regulation Of Cell Proliferation, Anti Apoptosis, Cell Prolif	interleukin 1, alpha
IL1B	NM_000576.2	IL-1, IL1-BETA, IL1F2	Extracellular Region, Extracellular Region Part, Extracellular Space, Cell Development, Signal Transduction, Programmed Cell Death, Negative Regulation Of Cellular Process, Cell Cell Signaling, Negative Regulation Of Cell Proliferation, Cell Proliferation Go 0008283, Negative Regulation Of Biological Process, Apoptosis Go, Regulation Of Cell Prolifera	interleukin 1, beta
IL1R1	NM_000877.2	CD121A, D251473, IL-1R-alpha, IL1R, IL1RA, P80	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Interleukin Binding, Receptor Activity, Transmembrane Receptor Activity, Hematopoietin Interferon Class200 Domain Cytokine Receptor Activity, Interleukin Receptor Activity, Growth Facto	interleukin 1 receptor, type I
IL1RAP	NM_002182.2	C3orf13, IL-1RAcP, IL1R3	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Macromolecular Complex Assembly, Defense Response, Inflammatory Response, Response To Stress, Cellular Component Assembly, Protein Complex Assembly, Protein Metabolic Process, Response To	interleukin 1 receptor accessory protein
IL1RN	NM_173842.1	DIRA, ICIL-1RA, IL-1RN, IL-1ra, IL-1ra3, IL1F3, IL1RA, IRAP, MVCD4	Extracellular Region, Extracellular Region Part, Extracellular Space, Receptor Binding, Receptor Signaling Protein Activity, Cytokine Activity, Growth Factor Activity	interleukin 1 receptor antagonist
IL2	NM_000586.2	IL-2, TCGF, lymphokine	Extracellular Region, Regulation Of Biological Quality, System Development, Positive Regulation Of Cell Proliferation, Cell Development, Negative Regulation Of Apoptosis, Cell Activation, Lymphocyte Differentiation, Programmed Cell Death, Hemopoiesis, Immune System Development, Regulation Of Growth, Negative Regulation Of Cellular Process, T Cell Diffe	interleukin 2
IL21	NM_021803.2	IL-21, Zs11	Positive Regulation Of Cell Proliferation, Cell Development, Cell Activation, T Cell Proliferation, Positive Regulation Of Immune System Process, Developmental Maturation, Regulation Of T Cell Activation, Positive Regulation Of Multicellular Organismal Process, Positive Regulation Of T Cell Proliferation, Leukocyte Activation, Positive Regulation Of	interleukin 21
IL22	NM_020523.4	IL-21, IL-22, IL-D110, IL-TIF, ILTIF, TIFL-23, TIFa, zcyto18	Jak Stat Cascade, Biopolymer Metabolic Process, Regulation Of Tyrosine Phosphorylation Of Stat Protein, Signal Transduction, Regulation Of Protein Amino Acid Phosphorylation, Regulation Of Protein Modification Process, Regulation Of Protein Metabolic Process, Regulation Of Signal Transduction, Regulation Of Peptidyl Tyrosine Phosphorylation, Regula	interleukin 22
IL22RA2	NM_181309.1	CRF2-10, CRF2-S1, CRF2X, IL-22BP, IL-22RA2		interleukin 22 receptor, alpha 2
IL23A	NM_016584.2	IL-23, IL-23A, IL23P19, P19, SGRF		interleukin 23, alpha subunit p19
IL23R	NM_144701.2			interleukin 23 receptor
IL3	NM_000588.3	IL-3, MCGF, MULTI-CSF	Extracellular Region, Extracellular Region Part, Extracellular Space, Positive Regulation Of Phosphate Metabolic Process, System Development, Positive Regulation Of Cell Proliferation, Nervous System Development, Cell Development, Negative Regulation Of Apoptosis, Biopolymer Metabolic Process, Positive Regulation Of Phosphorylation, Regulation Of Pro	interleukin 3 (colony-stimulating factor, multiple)
IL4	NM_000589.2	BCGF-1, BCGF1, BSF-1, BSF1, IL-4	Extracellular Region, Extracellular Region Part, Extracellular Space, Dna Metabolic Process, Rna Metabolic Process, Positive Regulation Of Translation, System Development, Positive Regulation Of Transcription, Dna Dependent, Positive Regulation Of Cell Proliferation, Cell Development, Negative Regulation Of Apoptosis, Cell Activation, Biopolymer Metabol	interleukin 4
IL5	NM_000879.2	EDF, IL-5, TRF	Extracellular Region, Extracellular Region Part, Extracellular Space, Positive Regulation Of Phosphate Metabolic Process, Biopolymer Metabolic Process, Positive Regulation Of Phosphorylation, Regulation Of Protein Amino Acid Phosphorylation, Regulation Of Protein Modification Process, Defense Response, Regulation Of Protein Metabolic Process, Regula	interleukin 5 (colony-stimulating factor, eosinophil)
IL6	NM_000600.1	BSF2, HGF, HSF, IFNB2, IL-6	Extracellular Region, Extracellular Region Part, Extracellular Space, Regulation Of Biological Quality, Positive Regulation Of Translation, Negative Regulation Of Cellular Metabolic Process, Positive Regulation Of Cell Proliferation, Cell Development, Negative Regulation Of Cellular Protein Metabolic Process, Negative Regulation Of Apoptosis, Signal	interleukin 6 (interferon, beta 2)
IL6R	NM_000565.2	CD126, IL-6R-1, IL-6RA, IL6Q, IL6RA, IL6RQ, gp80	Intrinsic To Plasma Membrane, Extracellular Region, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Receptor Complex, Macromolecular Complex, Protein Complex, Plasma Membrane Part, Plasma Membrane, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Multicellular Organismal	interleukin 6 receptor
IL7	NM_000880.2	IL-7	Extracellular Region, Regulation Of Biological Quality, Positive Regulation Of Cell Differentiation, System Development, Positive Regulation Of Cell Proliferation, Cell Development, Negative Regulation Of Apoptosis, Cell Activation, Positive Regulation Of Immune System Process, Lymphocyte Differentiation, Programmed Cell Death, Hemopoiesis, Immune Sys	interleukin 7
IL8	NM_000584.2	CXCL8, GCP-1, GCP1, LECT, LUCT, LYNAP, MDNCF, MONAP, NAF, NAP-1, NAP1	Extracellular Region, Extracellular Region Part, Extracellular Space, Positive Regulation Of Response To Stimulus, System Development, Viral Genome Replication, Cell Activation, Regulation Of Response To External Stimulus, Signal Transduction, Reproductive Process, Cell Surface Receptor Linked Signal Transduction Go 0007166, Negative Regulation Of Ce	interleukin 8
IL9	NM_000590.1	HP40, IL-9, P40	Positive Regulation Of Translation, Positive Regulation Of Cell Proliferation, Biosynthetic Process, Positive Regulation Of Cytokine Biosynthetic Process, Cytokine Metabolic Process, Regulation Of Translation, Defense Response, Regulation Of Protein Metabolic Process, Cytokine Production, Cellular Biosynthetic Process, Positive Regulation Of Cellular Rna Metabolic Process, Biopolymer Metabolic Process, Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Transcription Dna Dependent, Rna Biosynthetic Process, Transcription, Transcription From Rna Polymerase II Promoter	interleukin 9
IRF1	NM_002198.1	IRF-1, MAR	Rna Metabolic Process, Biopolymer Metabolic Process, Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Transcription Dna Dependent, Rna Biosynthetic Process, Transcription, Transcription From Rna Polymerase II Promoter, Rna Polymerase II Transcription Factor Activity, Transcription Factor Binding, Transcription Cofactor Activity	interferon regulatory factor 1
IRF3	NM_001571.5			interferon regulatory factor 3
IRF5	NM_002200.3	SLEB10		interferon regulatory factor 5

IRF7	NM_001572.3	IRF-7H, IRF7A	Cytoplasm,Nucleus,Rna Metabolic Process,Response To Virus,Negative Regulation Of Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process,Negative Regulation Of Cellular Metabolic Process,Multi Organism Process,Biopolymer Metabolic Process,Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process,Transcription Dna Dependent	interferon regulatory factor 7
ITGB2	NM_00211.2	CD18, LAD, LCAMB, LFA-1, MAC-1, MF17, MF17	Biopolymer Metabolic Process,Regulation Of Protein Amino Acid Phosphorylation,Regulation Of Protein Modification Process,Behavior,Regulation Of Protein Metabolic Process,Regulation Of Peptidyl Tyrosine Phosphorylation,Locomotory Behavior,Regulation Of Phosphorylation,Leukocyte Chemotaxis,Regulation Of Cellular Metabolic Process,Response To Organellar Part,Nuclear Chromosome,Nuclear Rna Part,Non Membrane Bound Organellar Part,Nucleus,Intracellular Non Membrane Bound Organellar Part,Chromosome,Chromosome,Chromosome,Rna Polymerase II Transcription Factor Activity,Transcription Factor Activity,Dna Binding	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)
JUN	NM_002228.3	AP-1, AP1, c-Jun		jun proto-oncogene
KEAP1	NM_012289.3	hNrf2, KLHL19		kelch-like ECH-associated protein 1
KNG1	NM_000893.2	BDK, KNG	Regulation Of Biological Quality,Negative Regulation Of Multicellular Organismal Process,Hemostasis,Establishment Of Localization,Defense Response,Negative Regulation Of Cellular Process,Regulation Of Cell Adhesion,Regulation Of Body Fluid Levels,Blood Coagulation,Inflammatory Response,Response To Stress,Cellular Cation Homeostasis,Excretory Process,Signal Transduction,Organellar Organization And Biogenesis,Actin Filament Based Process,Ras Protein Signal Transduction,Multicellular Organismal Development,Post Translational Protein Modification,Actin Cytoskeleton Organization And Biogenesis,Cellular Protein	kininogen 1
LIHK1	NM_002314.3	LIHK, LIHK-1	Cell Development,Signal Transduction,Programmed Cell Death,Regulation Of Developmental Process,Cell Cell Signaling,Positive Regulation Of Developmental Process,Positive Regulation Of Biological Process,Positive Regulation Of Cellular Process,Regulation Of Apoptosis,Regulation Of Programmed Cell Death,Apoptosis Go	LIM domain kinase 1
LTA	NM_002595.2	LT, TNFB, TNFSF1	Positive Regulation Of Translation,Signal Transduction,Biosynthetic Process,Positive Regulation Of Cytokine Biosynthetic Process,Cytokine Metabolic Process,Regulation Of Translation,Regulation Of Protein Metabolic Process,Cytokine Production,Cellular Biosynthetic Process,Cell Cell Signaling,Positive Regulation Of Cellular Protein Metabolic Process	lymphotoxin alpha (TNF superfamily, member 1)
LTB	NM_002341.1	TNFC, TNFSF3, p33	Intrinsic To Plasma Membrane,Intrinsic To Membrane,Membrane Part,Membrane,Integral To Membrane,Integral To Plasma Membrane,Plasma Membrane Part,Plasma Membrane,G	lymphotoxin beta (TNF superfamily, member 3)
LTBR	NM_181657.3	BLT1, BLTR, CMKR1L, GPR16, LTBR1, LTR1, P2RY7, P2Y7	Protein Signaling Coupled To Ip3 Second Messenger,phospholipase C Activating,Signal Transduction,Cell Surface Receptor Linked Signal Transduction Go 0007166,Defense Response,Inflam	leukotriene B4 receptor
LTBR2	NM_019839.4	BLT2, BLTR2, JUF2, KPG_004, LTBR-2, LTBR-42, NOP9	Intrinsic To Plasma Membrane,Intrinsic To Membrane,Membrane Part,Membrane,Integral To Membrane,Integral To Plasma Membrane,Plasma Membrane Part,Plasma Membrane,Regulation Of Molecular Function,Signal Transduction,Cell Surface Receptor Linked Signal Transduction Go 0007166,Behavior,Locomotory Behavior,Response To Chemical Stimulus,G Protein	leukotriene B4 receptor 2
LY96	NM_015364.2	ESOP-1, MD-2, MD2, Iy-96	Membrane,Plasma Membrane,Signal Transduction,Cell Surface Receptor Linked Signal Transduction Go 0007166,Defense Response,Cellular Defense Response,Receptor Activity	lymphocyte antigen 96
MAFF	NM_001161572.1	U-MAF, hMAff	Rna Metabolic Process,Multi Organism Process,Biopolymer Metabolic Process,Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process,Reproductive Process,Transcription Dna Dependent,Rna Biosynthetic Process,Transcription,Transcription From Rna Polymerase II Promoter,Reproduction	v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)
MAFG	NM_002359.2	hMAF		v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)
MAFK	NM_002360.3	NFE2U, P18		v-maf musculoaponeurotic fibrosarcoma oncogene homolog K (avian)
MAP2K1	NM_002755.2	MAPKK1, MEK1, MKK1, PRKMK1	Signal Transduction,Behavior,Locomotory Behavior,Response To Chemical Stimulus,Response To External Stimulus,Phosphotransferase Activity Alcohol Group As Acceptor,Protein Kinase Activity,Kinase Activity,Protein Serine Threonine Tyrosine Kinase Activity,Transferase Activity Transferring Phosphorus Containing Groups	mitogen-activated protein kinase kinase 1
MAP2K4	NM_003010.2	JNKK, JNKK1, MAPKK4, MEK4, MKK4, PRKMK4, SAPKK-1, SAPKK1, SEK1, SERK1	Signal Transduction,Jnk Cascade,Protein Kinase Cascade,Mapkk Cascade Go 0000165,Intracellular Signaling Cascade,Stress Activated Protein Kinase Signaling Pathway	mitogen-activated protein kinase kinase 4
MAP2K6	NM_002758.3	MAPKK6, MEK6, MKK6, PRKMK6, SAPKK-3, SAPKK3	Biopolymer Metabolic Process,Signal Transduction,Response To Endogenous Stimulus,Negative Regulation Of Cell Cycle,Negative Regulation Of Cellular Process,Response To Stress,Post Translational Protein Modification,Cellular Protein Metabolic Process,Biopolymer Modification,Protein Metabolic Process,Cell Cycle Arrest Go 0007050,Cell Cycle Go	mitogen-activated protein kinase kinase 6
MAP3K1	NM_005921.1	MAPKKK1, MEKK, MEK1, MEK1, SRX6		mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase
MAP3K5	NM_005923.3	ASK1, MAPKKK5, MEK5	Cell Development,Regulation Of Kinase Activity,Regulation Of Protein Kinase Activity,Regulation Of Molecular Function,Signal Transduction,Activation Of Jnk Activity,Regulation Of Transference Activity,Programmed Cell Death,Induction Of Apoptosis By Extracellular Signal,Positive Regulation Of Catalytic Activity,Regulation Of Developmental P	mitogen-activated protein kinase kinase kinase 5
MAP3K7	NM_145333.1	MEKK7, TAK1, TGF1a	Positive Regulation Of Response To Stimulus,Enzyme Linked Receptor Protein Signaling Pathway,Regulation Of Kinase Activity,Regulation Of Protein Kinase Activity,Positive Regulation Of Immune System Process,Regulation Of Molecular Function,Signal Transduction,Cell Surface Receptor Linked Signal Transduction Go 0007166,Regulation Of Transfer	mitogen-activated protein kinase kinase kinase 7
MAP3K9	NM_033141.2	MEKK9, MLK1, PRKE1	Protein Autoprocessing,Regulation Of Kinase Activity,Regulation Of Protein Kinase Activity,Biopolymer Metabolic Process,Regulation Of Molecular Function,Signal Transduction,Activation Of Jnk Activity,Regulation Of Transferase Activity,Positive Regulation Of Catalytic Activity,Protein Amino Acid Autophosphorylation,Activation Of Mapk Activi	mitogen-activated protein kinase kinase kinase 9
MAPK1	NM_138957.2	ERK, ERK2, ERT1, MAPK2, P42MAPK, PRKM1, PRKM2, p38, p40, p41, p41mapk	Cell Development,Signal Transduction,Programmed Cell Death,Behavior,Locomotory Behavior,Regulation Of Developmental Process,Cell Cell Signaling,Response To Chemical Stimulus,Positive Regulation Of Developmental Process,Synaptic Transmission,Neurological System Process,Positive Regulation Of Biological Process,Response To External Stimulus,	mitogen-activated protein kinase 1
MAPK14	NM_003135.1	CSBP, CSBP1, CSBP2, CSBP3, EXIP, Mx2, PRKM14, PRKM15, RK, SAPK2A, p38, p38ALPHA	Cytoplasm,Nucleus,Signal Transduction,Cell Surface Receptor Linked Signal Transduction Go 0007166,Behavior,Locomotory Behavior,Response To Stress,Response To Chemical Stimulus,Protein Kinase Cascade,Response To External Stimulus,Intracellular Signaling Cascade,Map Kinase Activity,Phosphotransferase Activity Alcohol Group As Acceptor,Recept	mitogen-activated protein kinase 14
MAPK3	NM_001040056.1	ERK-1, ERK1, ERT2, H544KDAP, HUMKER1A, P44ERK1, P44MAPK, PRKM3, p44-ERK1, p44-MAPK	Biopolymer Metabolic Process,Post Translational Protein Modification,Cellular Protein Metabolic Process,Biopolymer Modification,Protein Metabolic Process,Protein Modification Process,Protein Amino Acid Phosphorylation,Cellular Macromolecule Metabolic Process,Phosphorylation	mitogen-activated protein kinase 3
MAPK8	NM_002750.2	JNK, JNK-46, JNK1, JNK1A2, JNK21B1/2, PRKMS, SAPP1, SAPP1c	Cell Development,Negative Regulation Of Apoptosis,Biopolymer Metabolic Process,Signal Transduction,Programmed Cell Death,Response To Light Stimulus,Negative Regulation Of Cellular Process,Regulation Of Developmental Process,Jnk Cascade,Response To Stress,Post Translational Protein Modification,Cellular Protein Metabolic Process,Response To Nucleus,Biopolymer Metabolic Process,Signal Transduction,Post Translational Protein Modification,Cellular Protein Metabolic Process,Protein Kinase Cascade,Biopolymer Modification,Protein Metabolic Process,Mapkk Cascade Go 0000165,Protein Modification Process,Protein Amino Acid Phosphorylation,Cellular Macromolecule Metabolic Process,Phosp	mitogen-activated protein kinase 8
MAPKAPK2	NM_004759.3	MAPKAP-K2, MK-2, MK2		mitogen-activated protein kinase-activated protein kinase 2
MAPKAPK5	NM_003668.2	MAPKAP-K5, MK-5, MK5, PRAK	Signal Transduction,Phosphotransferase Activity Alcohol Group As Acceptor,Protein Kinase Activity,Kinase Activity,Protein Serine Threonine Kinase Activity,Protein Serine Threonine Tyrosine Kinase Activity,Transferase Activity Transferring Phosphorus Containing Groups	mitogen-activated protein kinase-activated protein kinase 5
MASP1	NM_139125.3	3MC1, CRARF, CRARF1, MAP1, MASP, MASP3, Map44, PRSS5, RaRF	Serine Type Peptidase Activity,Endopeptidase Activity,Serine Hydrolase Activity,Peptidase Activity,Serine Type Endopeptidase Activity	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor)
MASP2	NM_139208.1	MAP19, MASP-2, MASP1P1, sMAP	Serine Type Peptidase Activity,Endopeptidase Activity,Serine Hydrolase Activity,Peptidase Activity,Serine Type Endopeptidase Activity	mannan-binding lectin serine peptidase 2
MAX	NM_002382.3	bHLH4, bHLH45, bHLH46, bHLH47, bHLH48, orf1	Rna Metabolic Process,Biopolymer Metabolic Process,Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process,Transcription Dna Dependent,Rna Biosynthetic Process,Transcription,Transcription From Rna Polymerase II Promoter,Transcription Coactivator Activity,Transcription Activator Activity,Transcription Factor Activity,Transcription	MYC associated factor X
MBL2	NM_000242.2	COLECL, H5MBPC, MBL, MBL2D, MBP, MBP-C, MBP1	Extracellular Region,Extracellular Region Part,Extracellular Space,Positive Regulation Of Response To Stimulus,Positive Regulation Of Immune System Process,Defense Response,Positive Regulation Of Immune Response,Positive Regulation Of Multicellular Organismal Process,Immune Effector Process,Inflammatory Response,Activation Of Immune Respon	mannose-binding lectin (protein C) 2, soluble
MEF2A	NM_005587.2	ADCAD1, R5RF4, R5RF9, mef2	Nucleus,Muscle Development,System Development,Multicellular Organismal Development,Anatomical Structure Development,Organ Development	myocyte enhancer factor 2A
MEF2B	NM_005919.2	LOC79991-MEF2B, MEF2B		MEF2B-BN-MEF2B readthrough
MEF2C	NM_002397.3	C5DE14.3, DEL54.14.3	Muscle Development,System Development,Nervous System Development,Multicellular Organismal Development,Anatomical Structure Development,Organ Development,Rna Polymerase II Transcription Factor Activity	myocyte enhancer factor 2C
MEF2D	NM_005920.2		Muscle Development,System Development,Multicellular Organismal Development,Anatomical Structure Development,Organ Development	myocyte enhancer factor 2D

			Biopolymer Metabolic Process,Signal Transduction,Post Translational Protein Modification,Cellular Protein Metabolic Process,Protein Kinase Cascade,Biopolymer Modification,Protein Metabolic Process,Protein Modification Process,Protein Amino Acid Phosphorylation,Cellular Macromolecule Metabolic Process,Phosphorylation,Intracellular Signaling	
MKNK1	NM_003684.3	MKNK1	MAP kinase interacting serine/threonine kinase 1	
MMP3	NM_002422.3	CHD56, MMP-3, SL-1, STMY, STMY1, STR1	Extracellular Region,Extracellular Region Part,Extracellular Space,Proteolysis,Cellular Protein Metabolic Process,Protein Metabolic Process,Cellular Macromolecule Metabolic Process,Metalloproteinase Activity,Endopeptidase Activity,Peptidase Activity,Metalloendopeptidase Activity	matrix metalloproteinase 3 (stromelysin 1, progelatinase)
MMP9	NM_004994.2	CLG4B, GELB, MANDP2, MMP-9	Extracellular Region,Extracellular Region Part,Extracellular Space,System Development,Hemopoiesis,Immune System Development,Myeloid Cell Differentiation,Leukocyte Differentiation,Macromolecular Organismal Development,Myeloid Leukocyte Differentiation,Hemopoietic Or Lymphoid Organ Development,Proteolysis,Cellular Protein Metabolic Process,Pr	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)
MRC1	NM_002438.2	CD206, CLEC13D, CLEC13DL, MMR, MRC1L1, BA54119.1	Intrinsic To Plasma Membrane,Intrinsic To Membrane,Membrane Part,Membrane,Integral To Membrane,Integral To Plasma Membrane,Plasma Membrane Part,Plasma Membrane,Establishment Of Localization,Membrane Organization And Biogenesis,Transport,Vesicle Mediated Transport,Receptor Mediated Endocytosis,Carbohydrate Binding,Monosaccharide Binding,Sug	mannose receptor, C type 1
MX1	NM_002462.2	IFI-78K, IFI78, MX, MxA	Cytosol,Cell Development,Signal Transduction,Programmed Cell Death,Defense Response,Regulation Of Developmental Process,Positive Regulation Of Developmental Process,Positive Regulation Of Biological Process,Positive Regulation Of Cellular Process,Regulation Of Apoptosis,Regulation Of Programmed Cell Death,Apoptosis Go,Gtp Binding,Nucleol	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)
MX2	NM_002463.1	MX8	Cytosol,Plasma Membrane,Defense Response,Hydrolase Activity Acting On Acid Anhydrides,Nucleoside Triphosphatase Activity,Gtpase Activity,Pyrophosphatase Activity,Nucleus,Regulation Of Biological Quality,Rna Metabolic Process,Positive Regulation Of Cell Proliferation,Biopolymer Metabolic Process,Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process,Transcription Dna Dependent,Negative Regulation Of Cell Cycle,Negative Regulation Of Cellular Process,Rna Biosynthetic Process,Regulation Of	myxovirus (influenza virus) resistance 2 (mouse)
MYC	NM_002467.3	MRTL, bHLHe39, c-Myc	Positive Regulation Of Signal Transduction,Signal Transduction,J Kappab Kinase NF Kappab Cascade,Regulation Of Signal Transduction,Positive Regulation Of I Kappab Kinase NF Kappab Cascade,Protein Kinase Cascade,Positive Regulation Of Biological Process,Positive Regulation Of Cellular Process,Intracellular Signaling Cascade,Regulation Of I	v-myc myelocytomatosis viral oncogene homolog (avian)
MYD88	NM_002468.3	MYD88D	Non Membrane Bound Organelle,Cytoskeleton,Intracellular Non Membrane Bound Organelle,Regulation Of Muscle Contraction,Striated Muscle Contraction Go 0006941,Regulation Of Multicellular Organismal Process,System Process,Cation Binding,Calcium Ion Binding,Ion Binding,Structural Molecule Activity,Structural Constituent Of Muscle	myeloid differentiation primary response gene (88)
MYL2	NM_000432.3	CMH10, MLC2	Rna Metabolic Process,Biopolymer Metabolic Process,Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process,Transcription Dna Dependent,Defense Response,Rna Biosynthetic Process,Regulation Of Transcription From Rna Polymerase II Promoter,Inflammatory Response,Response To Stress,Regulation Of Cellular Metabolic Process,Regulation O	myosin, light chain 2, regulatory, cardiac, slow
NFATC3	NM_004555.2	NFAT4, NFATX	Rna Metabolic Process,Biopolymer Metabolic Process,Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process,Transcription Dna Dependent,Rna Biosynthetic Process,Transcription,Transcription From Rna Polymerase II Promoter,Transcription Factor Activity,Dna Binding	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3
NFE2L2	NM_006164.3	NRF2	Cytosol,Plasma Membrane,Rna Metabolic Process,Cell Development,Negative Regulation Of Apoptosis,Biopolymer Metabolic Process,Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process,Transcription Dna Dependent,Programmed Cell Death,Defense Response,Negative Regulation Of Cellular Process,Regulation Of Developmental Process,Rna Biosynthe	nuclear factor (erythroid-derived 2)-like 2
NFKB1	NM_003998.2	EBP-1, KBF1, NF-kB1, NF-kappa-B, NF-kappaB, NFKB-p105, NFKB-p50, NfkappaB, p105, p50	Cytosol,Protein Oligomerization,Nuclear Import,Regulation Of Hydrolase Activity,Regulation Of Secretion,Establishment Of Protein Localization,Regulation Of Dna Binding,Cell Development,Establishment Of Localization,Negative Regulation Of Transport,Regulation Of Cytokine Secretion,Macromolecular Complex Assembly,Regulation Of Molecular Fu	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
NLRP3	NM_001079821.2	AGTAVPRL, Ail, AVP, C1orf7, CIAS1, CLR1.1, FCAS, FCU, MWS, NALP3, PYPAF1	Cytosol,Protein Oligomerization,Positive Regulation Of Signal Transduction,Multi Organism Process,Macromolecular Complex Assembly,Signal Transduction,Biosynthetic Process,Cytokine Metabolic Process,Interleukin 8 Biosynthetic Process,Defense Response,I Kappab Kinase NF Kappab Cascade,Regulation Of Signal Transduction,Detection Of Stimulus Organelle Part,Cytoplasmic Part,Membrane,Nuclear	NLR family, pyrin domain containing 3
NOD1	NM_006092.1	CARD4, CLR7.1, NLR1	Part,Cytosol,Plasma Membrane,Nuclear Part,Cytosol,Plasma Membrane,Macromolecular Complex,Protein Complex,Plasma Membrane,Protein Oligomerization,Regulation Of Secretion,Positive Regulation Of Signal Transduction,Establishment Of Protein Localization,Multi Organism Process,Regulation Of Dna	nucleotide-binding oligomerization domain containing 1
NOD2	NM_021162.1	ACUG, BLAU, CARD15, CD, CLR16.3, IBD1, NLR2, NOD2B, PSORAS1	Establishment Of Localization,Transport,Cation Transport,Monovalent Inorganic Cation Transport,Ion Transport,Voltage Gated Channel Activity,Gated Channel Activity,Substrate Specific Transmembrane Transporter Activity,Substrate Specific Channel Activity,Oxidoreductase Activity,Substrate Specific Transporter Activity,Voltage Gated Cation Cha	nucleotide-binding oligomerization domain containing 2
NOS2	NM_000675.4	HEP-NOS, INOS, NOS, NOS2A	Organelle Part,Mitochondrial Part,Cytoplasmic Part,Cytoplasm,Organelle Lumen,Nucleus,Mitochondrial Matrix,Mitochondrial Lumen,Membrane Enclosed Lumen,Intracellular Organelle Part,Mitochondrion,Rna Metabolic Process,Biopolymer Metabolic Process,Signal Transduction,Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process,Transcripti	nitric oxide synthase 2, inducible
NOX1	NM_007052.4	GP91-2, MOX1, NOH-1, NOH1	Vesicular Fraction,Membrane,Cell Fraction,Microsome,Membrane Fraction,Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process	NADPH oxidase 1
NR3C1	NM_001018074.1	GCCR, GCR, GR, GRL	Organelle Part,Nuclear Part,Cytoplasm,Organelle Lumen,Nuclear Lumen,Non Membrane Bound Organelle,Nucleus,Membrane Enclosed Lumen,Intracellular Non Membrane Bound Organelle,Intracellular Organelle Part,Nucleolus,Rna Binding,Nuclear Hormone Receptor Binding,Double Stranded Rna Binding,Receptor Binding,Transcription Factor Binding,Thyroid Hor	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)
OAS2	NM_016817.2			2'-5'-oligoadenylate synthetase 2, 69/71kDa
OASL	NM_198213.1	OASLd, TRIP-14, TRIP14, p59 OASL, p59-OASL, p59OASL		2'-5'-oligoadenylate synthetase-like
OXER1	NM_148962.3	GPCR, GPR170, TG1019	Nucleobasenucleoside And Nucleotide Metabolic Process,Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process,Cyclic Nucleotide Metabolic Process,Biosynthetic Process,Cellular Biosynthetic Process,Regulation Of Cellular Metabolic Process,Nucleotide Biosynthetic Process,Regulation Of Metabolic Process,Regulation Of Nucleobasenucleotide Positive Regulation Of Cell Proliferation,Signal Transduction,Cell Surface Receptor Linked Signal Transduction Go 0007166,Cell Cell Signaling,Cell Proliferation Go 0008283,Positive Regulation Of Biological Process,Positive Regulation Of Cellular Process,Regulation Of Cell Proliferation	oxeicosanol (OXE) receptor 1
PDGFA	NM_003607.5	PDGF-A, PDGF1		platelet-derived growth factor alpha polypeptide
PK3C2G	NM_004570.4	PI3K-C2GAMMA		phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 gamma
PLA2G4A	NM_024420.2	PLA2G4, cPLA2-alpha		phospholipase A2, group IVA (cytosolic, calcium-dependent)
PLCB1	NM_182734.1	EIEE12, PI-PLC, PLC-154, PLC-1, PLC154, PLCB1A, PLCB1B	Cytosol	phospholipase C, beta 1 (phosphoinositide-specific)
PPP1R12B	NM_002481.3	MYPT2, PP1bp55	Signal Transduction,Regulation Of Muscle Contraction,Regulation Of Multicellular Organismal Process,System Process,Enzyme Activator Activity,Enzyme Regulator Activity	protein phosphatase 1, regulatory subunit 12B
PRKCA	NM_002737.2	AAG6, PKC-alpha, PKCA, PRKACA	Cell Fraction,Membrane Fraction,Cell Development,Programmed Cell Death,Induction Of Apoptosis By Extracellular Signals,Regulation Of Developmental Process,Positive Regulation Of Developmental Process,Positive Regulation Of Biological Process,Positive Regulation Of Cellular Process,Regulation Of Apoptosis,Regulation Of Programmed Cell Death	protein kinase C, alpha
PRKCB	NM_212535.1	PKC-beta, PKCB, PRKCB1, PRKCB2		protein kinase C, beta
PTGDR2	NM_004778.1	CD294, CRTH2, DL1R, DP2, GPR44		prostaglandin D2 receptor 2
PTGER1	NM_000955.2	EP1	Intrinsic To Plasma Membrane,Intrinsic To Membrane,Membrane Part,Membrane,Integral To Membrane,Integral To Plasma Membrane,Plasma Membrane Part,Plasma Membrane,Signal Transduction,Cell Surface Receptor Linked Signal Transduction Go 0007166,G Protein Coupled Receptor Protein Signaling Pathway,Rhodopsin Like Receptor Activity,G Protein Coupl	prostaglandin E receptor 1 (subtype EP1), 42kDa
PTGER2	NM_000956.2	EP2	Intrinsic To Plasma Membrane,Intrinsic To Membrane,Membrane Part,Membrane,Integral To Membrane,Integral To Plasma Membrane,Plasma Membrane Part,Plasma Membrane,Signal Transduction,Cell Surface Receptor Linked Signal Transduction Go 0007166,G Protein Coupled Receptor Protein Signaling Pathway,Rhodopsin Like Receptor Activity,G Protein Coupl	prostaglandin E receptor 2 (subtype EP2), 53kDa
PTGER3	NM_000957.2	EP3, EP3-I, EP3-II, EP3-III, EP3-IV, EP3e, PGE2-R	Organelle Part,Intrinsic To Plasma Membrane,Intrinsic To Membrane,Membrane Part,Membrane,Nuclear Part,Nucleus,Envelope,Integral To Membrane,Endomembrane System,Organelle Envelope,Integral To Plasma Membrane,Nuclear Envelope,Intracellular Organelle Part,Plasma Membrane Part,Plasma Membrane,Rna Metabolic Process,Cell Development,Biopolymer M	prostaglandin E receptor 3 (subtype EP3)
PTGER4	NM_000958.2	EP4, EP4R	Intrinsic To Membrane,Membrane Part,Membrane,Integral To Membrane,Signal Transduction,Cell Surface Receptor Linked Signal Transduction Go 0007166,Immune Response,G Protein Signaling Coupled To Camp Nucleotide Second Messenger,Second Messenger Mediated Signaling,G Protein Signaling Coupled To Cyclic Nucleotide Second Messenger,Immune System	prostaglandin E receptor 4 (subtype EP4)
PTGFR	NM_000959.3	FP	Intrinsic To Plasma Membrane,Intrinsic To Membrane,Membrane Part,Membrane,Integral To Membrane,Integral To Plasma Membrane,Plasma Membrane Part,Plasma Membrane,Multi Organism Process,Signal Transduction,Reproductive Process,Cell Surface Receptor Linked Signal Transduction Go 0007166,G Protein Coupled Receptor Protein Signaling Pathway,Repr	prostaglandin F receptor (FP)

PTGR	NM_000950.3	IP, PRIPR	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Cell Cell Signaling, Second Messenger Mediated Signaling, G Protein Signaling Coupled To Cyclic Nucleot	prostaglandin I2 (prostacyclin) receptor (IP)
PTGS1	NM_002962.2	COX1, COX3, PCOX1, PGG/HS, PGHS-1, PGHS1, PHS1, PTGHS	Vesicular Fraction, Cytoplasm, Nucleus, Cell Fraction, Microsome, Membrane Fraction, Regulation Of Biological Quality, Biosynthetic Process, Carboxylic Acid Metabolic Process, Fatty Acid Biosynthetic Process, Lipid Metabolic Process, Cellular Biosynthetic Process, Organic Acid Metabolic Process, Monocarboxylic Acid Metabolic Process, Lipid Biosynthetic	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)
PTGS2	NM_000963.1	COX-2, COX2, GRIPGHS, PGG/HS, PGHS-2, PHS-2, PCox-2	Cytoplasm, Nucleus, Regulation Of Biological Quality, Regulation Of Blood Pressure, System Process	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
PTK2	NM_005607.3	FADK, FAK, FAK1, FRNK, PPP1R71, p125FAK, pp125FAK	Non Membrane Bound Organelle, Cytoskeleton, Intracellular Non Membrane Bound Organelle, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Protein Domain Specific Binding, Sh2 Domain Binding	PTK2 protein tyrosine kinase 2
RAC1	NM_198879.1	Rac-1, TC-25, p21-Rac1	Regulation Of Rho Protein Signal Transduction, Positive Regulation Of Signal Transduction, Establishment Of Localization, Negative Regulation Of Transport, Signal Transduction, Organelle Organization And Biogenesis, Anatomical Structure Morphogenesis, Defense Response, Actin Filament Based Process, Regulation Of Signal Transduction, Negative Regulat	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
RAF1	NM_002880.2	CRAF, N55, Raf-1, c-Raf	Organelle Part, Mitochondrial Outer Membrane, Mitochondrial Part, Cytoplasmic Part, Mitochondrial Membrane, Membrane Part, Membrane, Cytoplasm, Organelle Membrane, Outer Membrane, Envelope, Organelle Outer Membrane, Organelle Envelope, Intracellular Organelle Part, Mitochondrion, Mitochondrial Envelope, Cell Development, Biopolymer Metabolic Process, Progra	v-raf-1 murine leukemia viral oncogene homolog 1
RAPGEF2	NM_014247.2	CNrasGEF, NRAPGEP, PDZ-GEF1, PDZGEF1, RA-GEF, Rap-GEF, nRap GEP	Ras Gtpase Activator Activity, Ras Guanyl Nucleotide Exchange Factor Activity, Gtpase Regulator Activity, Enzyme Activator Activity, Small Gtpase Regulator Activity, Enzyme Regulator Activity, Gtpase Activator Activity, Guanyl Nucleotide Exchange Factor Activity	Rap guanine nucleotide exchange factor (GEF) 2
RELA	NM_021975.2	NFKB3, p65	Nucleoplasm, Organelle Part, Nuclear Part, Cytoplasm, Organelle Lumen, Nuclear Lumen, Nucleus, Membrane Enclosed Lumen, Nucleoplasm Part, Intracellular Organelle Part, Macromolecular Complex, Transcription Factor Complex, Protein Complex, Positive Regulation Of Signal Transduction, Regulation Of Dna Binding, Cell Development, Negative Regulation Of Apopto	v-rel reticuloendotheliosis viral oncogene homolog A (avian)
RELB	NM_006509.2	I-REL, IREL, REL-B	Transcription Corepressor Activity, Transcription Repressor Activity, Transcription Factor Activity, Transcription Factor Binding, Dna Binding, Transcription Cofactor Activity	v-rel reticuloendotheliosis viral oncogene homolog B
RHOA	NM_001664.2	ARH12, ARHA, RHO12, RHOH12	Positive Regulation Of Signal Transduction, Signal Transduction, Organelle Organization And Biogenesis, I Kappab Kinase Nf Kappab Cascade, Actin Filament Based Process, Regulation Of Signal Transduction, Ras Protein Signal Transduction, Positive Regulation Of I Kappab Kinase Nf Kappab Cascade, Actin Cytoskeleton Organization And Biogenesis, Protein	ras homolog family member A
RIPK1	NM_003804.3	RIP, RIP1	Positive Regulation Of Signal Transduction, Cell Development, Signal Transduction, Programmed Cell Death, I Kappab Kinase Nf Kappab Cascade, Regulation Of Signal Transduction, Positive Regulation Of I Kappab Kinase Nf Kappab Cascade, Protein Kinase Cascade, Positive Regulation Of Biological Process, Positive Regulation Of Cellular Process, Intra	receptor (TNFRSF)-interacting serine-threonine kinase 1
RIPK2	NM_003821.5	CARD3, CARDIAK, CCK, GIG30, RICK, RIP2	Positive Regulation Of Signal Transduction, Signal Transduction, Defense Response, I Kappab Kinase Nf Kappab Cascade, Regulation Of Signal Transduction, Positive Regulation Of I Kappab Kinase Nf Kappab Cascade, Inflammatory Response, Response To Stress, Protein Kinase Cascade, Positive Regulation Of Biological Process, Response To External Stimulus,	receptor-interacting serine-threonine kinase 2
ROCK2	NM_004850.3	ROCK-II	Biopolymer Metabolic Process, Post Translational Protein Modification, Cellular Protein Metabolic Process, Biopolymer Modification, Protein Metabolic Process, Protein Modification Process, Protein Amino Acid Phosphorylation, Cellular Macromolecule Metabolic Process, Phosphorylation, Phosphotransferase Activity Alcohol Group As Acceptor, Protein Kina	Rho-associated, coiled-coil containing protein kinase 2
RPS6KA5	NM_004755.2	MSK1, MSPK1, RLPK	Nucleus, Rna Metabolic Process, Enzyme Linked Receptor Protein Signaling Pathway, Biopolymer Metabolic Process, Signal Transduction, Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Cell Surface Receptor Linked Signal Transduction Go 0007166, Transcription Dna Dependent, Organelle Organization And Biogenesis, Rna Biosynthetic Proc	ribosomal protein S6 kinase, 90kDa, polypeptide 5
SHC1	NM_001130040.1	SHC, SHCA	Membrane, Plasma Membrane, Enzyme Linked Receptor Protein Signaling Pathway, Regulation Of Kinase Activity, Regulation Of Protein Kinase Activity, Regulation Of Molecular Function, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Regulation Of Transferase Activity, Positive Regulation Of Catalytic Activity, Regulatio	SHC (Src homology 2 domain containing) transforming protein 1
SMAD7	NM_005904.2	CRCS3, MADH7, MADH8	Enzyme Linked Receptor Protein Signaling Pathway, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, Response To Stress, Transforming Growth Factor Beta Receptor Signaling Pathway, Transmembrane Receptor Protein Serine Threonine Kinase Signaling Pathway, Receptor Signaling Protein Activity	SMAD family member 7
STAT1	NM_007315.2	CANDF7, ISGF-3, STAT91	Cytoplasm, Nucleus, Rna Metabolic Process, Regulation Of Hydrolyase Activity, Jak Stat Cascade, Cell Development, Biopolymer Metabolic Process, Regulation Of Molecular Function, Signal Transduction, Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Transcription Dna Dependent, Programmed Cell Death, Positive Regulation Of Catalytic Act	signal transducer and activator of transcription 1, 91kDa
STAT2	NM_005419.2	ISGF-3, P113, STAT113	Rna Metabolic Process, Jak Stat Cascade, Biopolymer Metabolic Process, Signal Transduction, Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Transcription Dna Dependent, Rna Biosynthetic Process, Regulation Of Transcription From Rna Polymerase II Promoter, Regulation Of Cellular Metabolic Process, Regulation Of Gene Expression, Pro	signal transducer and activator of transcription 2, 113kDa
STAT3	NM_139276.2	APRF, HIES	Cytoplasm, Nucleus, Rna Metabolic Process, Negative Regulation Of Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Negative Regulation Of Cellular Metabolic Process, System Development, Jak Stat Cascade, Nervous System Development, Biopolymer Metabolic Process, Signal Transduction, Nucleobasenucleosidenucleotide And Nucleic Acid Me	signal transducer and activator of transcription 3 (acute-phase response factor)
TBXA2R	NM_001060.3	BDPLT13, TXA2-R	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Signal Transduction, Cell Surface Receptor Linked Signal Transduction Go 0007166, G Protein Coupled Receptor Protein Signaling Pathway, Rhodopsin Like Receptor Activity, G Protein Coupl	thromboxane A2 receptor
TCF4	NM_003199.1	E2-2, ITF-2, ITF2, PTH5, SEF-2, SEF2, SEF2-1, SEF2-1A, SEF2-1B, TCF-4, bHLHb19	Nucleus, Rna Metabolic Process, Positive Regulation Of Transcription Dna Dependent, Biopolymer Metabolic Process, Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Transcription Dna Dependent, Positive Regulation Of Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Positive Regulation Of Rna Metabolic Process, Rna	transcription factor 4
TGFBI	NM_000650.3	CED, DDP1, LAP, TGFb, TGFbeta	Proteinaceous Extracellular Matrix, Extracellular Region, Extracellular Region Part, Extracellular Space, Extracellular Matrix, Regulation Of Biological Quality, Dna Metabolic Process, Rna Metabolic Process, Regulation Of Transforming Growth Factor Beta Receptor Signaling Pathway, Muscle Development, Mitotic Cell Cycle Checkpoint, Negative Regulation	transforming growth factor, beta 1
TGFBR2	NM_001238.2	TGF-beta2	Axon, Extracellular Region, Cell Projection, Cell Soma, Neuron Projection, Regulation Of Biological Quality, Positive Regulation Of Cell Differentiation, Positive Regulation Of Response To Stimulus, Negative Regulation Of Multicellular Organismal Process, System Development, Biogenic Amine Metabolic Process, Tissue Morphogenesis, Positive Regulation O	transforming growth factor, beta 2
TGFBR3	NM_002339.2	ARVD, TGF-beta3	System Development, Cell Development, Signal Transduction, Anatomical Structure Morphogenesis, Epithelial To Mesenchymal Transition, Multicellular Organismal Development, Cell Cell Signaling, Organ Morphogenesis, Anatomical Structure Development, Organ Development, Receptor Binding	transforming growth factor, beta 3
TGFBRI	NM_004612.2	AATS, ACVRLK4, ALK-5, ALKS, LDS1A, LDS2A, MSSE, SKR4, TGFR-1	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane, Receptor Complex, Macromolecular Complex, Protein Complex, Plasma Membrane Part, Plasma Membrane, Enzyme Linked Receptor Protein Signaling Pathway, Positive Regulation Of Cell Proliferation, Biopolymer Metabolic Process, Macro	transforming growth factor, beta receptor 1
TLR1	NM_003263.3	CD281, TIL, TIL, LPRSS, rsc786	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Positive Regulation Of Translation, Signal Transduction, Biosynthetic Process, Positive Regulation Of Cytokine Biosynthetic Process, Cytokine Metabolic Process, Regulation Of Translation	toll-like receptor 1
TLR2	NM_003264.3	CD282, TIL4	Intrinsic To Plasma Membrane, Cell Surface, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Cell Development, Signal Transduction, Programmed Cell Death, Regulation Of Developmental Process, Positive Regulation Of Developmental Process, Positive Regulation Of Biolo	toll-like receptor 2
TLR3	NM_003265.2	CD283, IIAE2	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Positive Regulation Of Translation, Multi Organism Process, Signal Transduction, Biosynthetic Process, Positive Regulation Of Cytokine Biosynthetic Process, Regulation Of Interferon Gamm	toll-like receptor 3
TLR4	NM_138554.2	ARMD10, CD284, TLR-4, TOLL	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane Part, Membrane, Cytoplasm, Perinuclear Region Of Cytoplasm, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Positive Regulation Of Translation, Cell Activation, Signal Transduction, Biosynthetic Process, Positive Regulation Of Cytokin	toll-like receptor 4
TLR5	NM_003268.3	SLEB1, TIL3		toll-like receptor 5

TLR6	NM_006058.2	CD286	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Positive Regulation Of Translation, Positive Regulation Of Signal Transduction, Multi Organism Process, Regulation Of Kinase Activity, Regulation Of Protein Kinase Activity, Regulation O	toll-like receptor 6
TLR7	NM_016562.3		Positive Regulation Of Translation, Response To Virus, Multi Organism Process, Biosynthetic Process, Positive Regulation Of Cytokine Biosynthetic Process, Regulation Of Interferon Gamma Biosynthetic Process, Cytokine Metabolic Process, Regulation Of Translation, Interleukin 8 Biosynthetic Process, Defense Response, Regulation Of Protein Metabolic Pr	toll-like receptor 7
TLR8	NM_016610.2	CD288	Positive Regulation Of Translation, Response To Virus, Positive Regulation Of Response To Stimulus, Regulation Of Defense Response, Multi Organism Process, Positive Regulation Of Immune System Process, Biosynthetic Process, Positive Regulation Of Cytokine Biosynthetic Process, Regulation Of Interferon Gamma Biosynthetic Process, Cytokine Metabolic Process, Regulation Of Translation, Regulation Of Protein Metabolic	toll-like receptor 8
TLR9	NM_017442.2	CD289	Positive Regulation Of Translation, Biosynthetic Process, Positive Regulation Of Cytokine Biosynthetic Process, Regulation Of Interferon Gamma Biosynthetic Process, Cytokine Metabolic Process, Regulation Of Translation, Regulation Of Protein Metabolic Process, Cytokine Production, Cellular Biosynthetic Process, Positive Regulation Of Cellular Prote	toll-like receptor 9
TNF	NM_000594.2	DIF, TNF-alpha, TNFA, TNFSF2	Cell Fraction, Soluble Fraction, Rna Metabolic Process, Response To Virus, Negative Regulation Of Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Nuclear Import, Negative Regulation Of Cellular Metabolic Process, Establishment Of Protein Localization, Multi Organism Process, Regulation Of Dna Binding, Cell Development, Negative Reg	tumor necrosis factor
TNFAIP3	NM_006290.2	A20, OTUD7C, TNFAIP2	Nucleus, Signal Transduction, I Kappab Kinase Nf Kappab Cascade, Regulation Of Signal Transduction, Negative Regulation Of Cellular Process, Protein Kinase Cascade, Negative Regulation Of Signal Transduction, Negative Regulation Of Biological Process, Intracellular Signaling Cascade, Regulation Of I Kappab Kinase Nf Kappab Cascade	tumor necrosis factor, alpha-induced protein 3
TNFSF14	NM_003807.2	CD258, HVEM, LIGHT, LTg, TR2	Nuclear Import, Establishment Of Protein Localization, Cell Development, Establishment Of Localization, Signal Transduction, Intracellular Transport, Intracellular Protein Transport, Programmed Cell Death, Establishment Of Cellular Localization, Nuclear Transport, Protein Targeting, Protein Import, I Kappab Kinase Nf Kappab Cascade, Positive Regulation	tumor necrosis factor (ligand) superfamily, member 14
TOLLIP	NM_019009.2	IL-1RAcP	Cell Cell Signaling, Phosphorylation	toll interacting protein
TRADD	NM_003789.2	Hs_89862	Cytoplasm, Positive Regulation Of Signal Transduction, Cell Development, Signal Transduction, Programmed Cell Death, I Kappab Kinase Nf Kappab Cascade, Regulation Of Signal Transduction, Regulation Of Developmental Process, Positive Regulation Of I Kappab Kinase Nf Kappab Cascade, Positive Regulation Of Developmental Process, Protein Kinase Cascade,	TNFRSF1A-associated via death domain
TRAF2	NM_021138.3	MGC-45012, TRAP, TRAP3	Positive Regulation Of Response To Stimulus, Regulation Of Kinase Activity, Regulation Of Protein Kinase Activity, Macromolecular Complex Assembly, Positive Regulation Of Immune System Process, Regulation Of Molecular Function, Signal Transduction, Regulation Of Transferase Activity, Positive Regulation Of Catalytic Activity, I Kappab Kinase Nf Kap	TNF receptor-associated factor 2
TREM2	NM_018965.3	TREM-2, Trem2a, Trem2b, Trem2c	Immune Response, Immune System Process, Humoral Immune Response, Receptor Activity	triggering receptor expressed on myeloid cells 2
TSLP	NM_033035.4			thymic stromal lymphopoietin
TWIST2	NM_057179.2	DERM01, SETL5S, bHLHa39	Cytoplasm, Nucleus, Rna Metabolic Process, Negative Regulation Of Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Negative Regulation Of Cellular Metabolic Process, System Development, Biopolymer Metabolic Process, Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Transcription Dna Dependent, Skeletal Development	twist homolog 2 (Drosophila)
TYROBP	NM_003332.3	DAP12, KARAP, PLOSL	Intrinsic To Plasma Membrane, Intrinsic To Membrane, Membrane Part, Membrane, Integral To Membrane, Integral To Plasma Membrane, Plasma Membrane Part, Plasma Membrane, Signal Transduction, Defense Response, Intracellular Signaling Cascade, Cellular Defense Response, Receptor Signaling Protein Activity	TYRO protein tyrosine kinase binding protein
Internal Reference Genes				
CLTC	NM_004859.2	CHC, CHC17, CLH-17, CLTCL2, Hc		clathrin, heavy chain (Hc)
GAPDH	NM_002046.3	G3PD, GAPD		glyceraldehyde-3-phosphate dehydrogenase
GUSB	NM_000181.1	BG, MP57	Cellular Catabolic Process, Nitrogen Compound Metabolic Process, Cellular Carbohydrate Metabolic Process, Macromolecule Catabolic Process, Cellular Macromolecule Catabolic Process, Amine Metabolic Process, Carbohydrate Metabolic Process, Cellular Carbohydrate Catabolic Process, Catabolic Process, Carbohydrate Catabolic Process, Hydrolase Activity Ac	glucuronidase, beta
HPRT1	NM_000194.1	HGPRT, HPRT	Cytoplasm, Regulation Of Biological Quality, Protein Oligomerization, Nucleobasenucleoside And Nucleotide Metabolic Process, Biogenic Amine Metabolic Process, Macromolecular Complex Assembly, Protein Tetramerization, Nucleobasenucleosidenucleotide And Nucleic Acid Metabolic Process, Biosynthetic Process, Purine Nucleotide Metabolic Process, Behavior Phosphorylation, Nucleotide Binding, Purine Nucleotide Binding, Adenyl Ribonucleotide Binding, Adenyl Nucleotide Binding, Kinase Activity, Transferase Activity Transferring Phosphorus Containing Groups, Purine Ribonucleotide Binding, Atp Binding	hypoxanthine phosphoribosyltransferase 1
PGK1	NM_000291.2	MIG10, PGKA	Non Membrane Bound Organelle, Cytoskeleton, Intracellular Non Membrane Bound Organelle, Receptor Binding	phosphoglycerate kinase 1
TUBB	NM_178014.2	M40, OK/SW-cl.56, TUBB1, TUBB5		tubulin, beta class I