**Supplemental Table S2.** IL1β-responsive RNAs were clustered according to the time for maximal upregulation (clusters 1-3) or downregulation (clusters 4-6). Each cluster was then interrogated for IL33-responsive RNAs. Graphs for each cluster are shown in Fig. 2, A and B.

**Cluster 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **Gene symbol** | **Gene name** | **Functional classification** | **Probeset** |
| ***IL1β and IL33*** |  |
| Btg2 | B-cell translocation gene 2, anti-proliferative | Transcriptional regulation | 1386994\_at, 1386995\_at |
| Dusp1 | Dual specificity phosphatase 1 | Signalling | 1368146\_at, 1368147\_at |
| Egr1 | Early growth response 1 | Transcriptional regulation | 1368321\_at |
| Egr2 | Early growth response 2 | Transcriptional regulation | 1387306\_a\_at, 1398266\_a\_at |
| Fos | FBJ murine osteosarcoma viral oncogene homolog | Transcriptional regulation | 1375043\_at |
| FosB | FBJ osteosarcoma oncogene B | Transcriptional regulation | 1373759\_at |
| Gdf15 | Growth differentiation factor 15  | Agonists/Receptors | 1370153\_at |
| Ier2 | Immediate early response 2 | Hypothetical proteins/proteins with no known function | 1372389\_at |
| Ier3 | Immediate early response 3 | Hypothetical proteins/proteins with no known function | 1388587\_at |
| Jun | Jun oncogene | Transcriptional regulation | 1369788\_s\_at, 1374404\_at, 1389528\_s\_at |
| Junb | Jun-B oncogene | Transcriptional regulation | 1387788\_at |
| Tnf | Tumor necrosis factor (TNF superfamily, member 2) | Agonists/Receptors | 1387691\_at, 1391384\_at |
| Zfp36 | Zinc finger protein 36  | Transcriptional regulation | 1387870\_at |
|  |  |  |  |
| ***IL1β and IL33a*** |  |
| Adm | Adrenomedullin | Agonists/Receptors | 1387219\_at |
| AS to Bhlhe40 | AS to basic helix-loop-helix family, member e40 | Non-protein coding/potential AS sequences | 1379483\_at |
| AS to Pim1 | AS to Pim-1 kinase | Non-protein coding/potential AS sequences | 1374429\_at |
| AS to Rnd3 | AS to Rho family GTPase 3  | Non-protein coding/potential AS sequences | 1386062\_at |
| Atf3 | Activating transcription factor 3 | Transcriptional regulation | 1369268\_at |
| Axud1 | AXIN1 up-regulated 1 | Signalling | 1389402\_at |
| Ch25h | Cholesterol 25-hydroxylase | Regulation of metabolism | 1380063\_at |
| Cxcl1 | Chemokine (C-X-C motif) ligand 1  | Agonists/Receptors | 1387316\_at |
| Cxcl2 | Chemokine (C-X-C motif) ligand 2 | Agonists/Receptors | 1368760\_at |
| Cyr61 | Cysteine rich protein 61 | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1368290\_at |
| F3 | Coagulation factor III | Protein synthesis, modification, trafficking | 1369182\_at |
| Foxc2 | Forkhead box C2 | Transcriptional regulation | 1370795\_at |
| Il6 | Interleukin 6 | Agonists/Receptors | 1369191\_at |
| Intron to Gch | Intron to GTP cyclohydrolase 1 | Sequences in introns | 1380230\_at |
| Irf1 | Interferon regulatory factor 1 | Transcriptional regulation | 1368073\_at |
| Nfkbia | Nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha  | Transcriptional regulation | 1389538\_at |
| Slc25a25 | Solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25 | Channels, pumps, transporters | 1371754\_at |
| Tnfaip3 | Tumor necrosis factor, alpha-induced protein 3  | Transcriptional regulation | 1385641\_at |
|  |  |  |  |
| ***IL1β only*** |  |
| Adamts1 | A disintegrin-like and metallopeptidse (reprolysin type) with thrombospondin type 1 motif, 1 | Protein synthesis, modification, trafficking | 1368223\_at |
| AS to Srpk3 | AS to SFRS protein kinase 3 | Non-protein coding/potential AS sequences | 1386320\_at |
| Ccnl1 | Cyclin L1  | Signalling | 1368050\_at |
| Chac1 | ChaC, cation transport regulator-like 1 | Channels, pumps, transporters | 1389573\_at |
| Cxcl10 | Chemokine (C-X-C motif) ligand 10 | Agonists/Receptors | 1387969\_at |
| Ddit4 | DNA-damage-inducible transcript 4 | Signalling | 1368025\_at |
| Dusp2 | Dual specificity phosphatase 2 | Signalling | 1377023\_at |
| Gem | GTP binding protein (gene overexpressed in skeletal muscle) | Signalling | 1382351\_at |
| Ifrd1 | Interferon-related developmental regulator 1 | Transcriptional regulation | 1367795\_at |
| Intron to Anxa1 | Intron to annexin A1 | Sequences in introns | 1394451\_at |
| Intron to Arf4 | Intron to ADP-ribosylation factor 4 | Sequences in introns | 1381498\_at |
| Intron to Bhlhe40 | Intron to basic helix-loop-helix family, member e40 | Sequences in introns | 1381121\_at |
| Intron to Ddit3 | Intron to DNA-damage inducible transcript 3 | Sequences in introns | 1376178\_at |
| Intron to Lamc1 | Intron to laminin, gamma 1 (Lamc1) | Sequences in introns | 1396877\_at |
| Intron to March7 | Intron to membrane-associated ring finger (C3HC4) 7 | Sequences in introns | 1381651\_at |
| Intron to Mbnl2 | Intron to muscleblind-like 2 | Sequences in introns | 1392026\_at |
| Intron to Rarb | Intron to retinoic acid receptor, b.5eta | Sequences in introns | 1377317\_at |
| Intron to Ssfa2 | Intron to sperm specific antigen 2 | Sequences in introns | 1380701\_at |
| Klf6 | Kruppel-like factor 6 | Transcriptional regulation | 1387060\_at, 1395557\_at |
| Mirnlet7i | MicroRNA let7i | Non-protein coding/potential AS sequences | 1378540\_at |
| Naf1 | Nuclear assembly factor 1 homolog (S. cerevisiae) | DNA/RNA regulation | 1379494\_at |
| Plk2 | Polo-like kinase 2 (Drosophila) | Signalling | 1368106\_at |
| Ppp1r15a | Protein phosphatase 1, regulatory (inhibitor) subunit 15A | Hypothetical proteins/proteins with no known function | 1370174\_at |
| Rasd1 | RAS, dexamethasone-induced 1  | Signalling | 1387908\_at |
| Rasl11b | RAS-like family 11 member B | Signalling | 1383322\_at |
| Sgk1 | Serum/glucocorticoid regulated kinase 1 | Signalling | 1367802\_at |
| Spry1 | Sprouty homolog 1 | Signalling | 1379380\_at |
| Spry2 | Sprouty homolog 2 | Signalling | 1374864\_at |
| Taf1a | TATA box binding protein (Tbp)-associated factor, RNA polymerase I, A | Transcriptional regulation | 1383889\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1384574\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1397915\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1368737\_at |
| Zfp36l1 | Zinc finger protein 36, C3H type-like 1 | DNA/RNA regulation | 1369959\_at |
| Zfp36l2 | Zinc finger protein 36, C3H type-like 2 | Transcriptional regulation | 1373106\_at |

**Cluster 2**

|  |  |  |  |
| --- | --- | --- | --- |
| **Gene symbol** | **Gene name** | **Functional classification** | **Probeset** |
| ***IL1β and IL33*** |
| Bdkrb1 | Bradykinin receptor B1 | Agonists/Receptors | 1369807\_at |
| Ccrn4l | Carbon catabolite repression 4 protein homolog | Transcriptional regulation | 1377869\_at |
| Egr3 | Early growth response 3 | Transcriptional regulation | 1392791\_at |
| Ereg | Epiregulin | Agonists/Receptors | 1369587\_at, 1385150\_at |
| Errfi1 | ERBB receptor feedback inhibitor 1 | Signalling | 1373093\_at |
| Fosl1 | Fos-like antigen 1 | Transcriptional regulation | 1368489\_at |
| Has2 | Hyaluronan synthase 2 | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1387548\_at |
| Kdm6b | KDM1 lysine (K)-specific demethylase 6B | Transcriptional regulation | 1375866\_at |
| Lif | Leukemia inhibitory factor | Agonists/Receptors | 1368804\_at, 1393728\_at |
| Lincr | Lung inducible neuralized-related C3HC4 RING finger protein | Hypothetical proteins/proteins with no known function | 1383906\_at |
| Maff | v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F | Transcriptional regulation | 1380229\_at |
| Nfkbiz | Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta | Transcriptional regulation | 1378032\_at |
| Nr4a1 | Nr4a1 | Transcriptional regulation | 1386935\_at |
| Nr4a3 | Nuclear receptor subfamily 4, group A, member 3 | Transcriptional regulation | 1369067\_at, 1393389\_at |
| Phlda1 | Pleckstrin homology-like domain, family A, member 1 | Hypothetical proteins/proteins with no known function | 1368860\_at |
| Ptgs2 | Prostaglandin-endoperoxide synthase 2 | Regulation of metabolism | 1368527\_at |
| Serpine1 | Serine (or cysteine) peptidase inhibitor, clade E, member 1 | Protein synthesis, modification, trafficking | 1368519\_at, 1392264\_s\_at |
| Sowahc | Sosondowah ankyrin repeat domain family member C | Hypothetical proteins/proteins with no known function | 1386065\_at |
| Tnfaip2 | Tumor necrosis factor, alpha-induced protein 2 | Hypothetical proteins/proteins with no known function | 1375806\_at, 1381376\_at, 1388773\_at |
|  |  |  |  |
| ***IL1β only*** |
| Arid5a | AT rich interactive domain 5A (Mrf1 like) | Transcriptional regulation | 1379311\_at |
| Arl5b | ADP-ribosylation factor-like 5B | Signalling | 1376275\_at |
| Arrdc3 | Arrestin domain containing 3  | Hypothetical proteins/proteins with no known function | 1389230\_at, 1394948\_at |
| AS to Zfp281 | AS to zinc finger protein 281  | Non-protein coding/potential AS sequences | 1385870\_at |
| Bhlhe40 | Basic helix-loop-helix family, member e40 | Transcriptional regulation | 1369415\_at |
| Ccrl2 | Chemokine (C-C motif) receptor-like 2 | Agonists/Receptors | 1398591\_at |
| Cdc20 | Cell division cycle 20 homolog (S. cerevisiae) | Protein synthesis, modification, trafficking | 1389506\_x\_at |
| Cebpb | CCAAT/enhancer binding protein (C/EBP), beta | Transcriptional regulation | 1387087\_at |
| Cited2 | Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2 | Transcriptional regulation | 1367601\_at, 1367602\_at |
| Coq10b | Coenzyme Q10 homolog B | Regulation of metabolism | 1373866\_at |
| Csf1 | Colony stimulating factor 1 | Agonists/Receptors | 1379631\_at, 1380583\_s\_at |
| Ebf1 | Early B-cell factor 1 | Transcriptional regulation | 1392619\_at |
| Fam110a | Family with sequence similarity 110, member A | Hypothetical proteins/proteins with no known function | 1383295\_at |
| Fosl2 | Fos-like antigen 2 | Transcriptional regulation | 1373035\_at |
| Fpgs | Folylpolyglutamate synthase  | Regulation of metabolism | 1389380\_at |
| Intron to Fgd6 | Intron to FYVE, RhoGEF and PH domain containing 6 | Sequences in introns | 1397223\_at |
| Intron to Mast4 | Intron to microtubule associated serine/threonine kinase family member 4 | Sequences in introns | 1396378\_at |
| Intron to Pctk2 | Intron to PCTAIRE-motif protein kinase 2 | Sequences in introns | 1397112\_at |
| Itpkc | Inositol 1,4,5-trisphosphate 3-kinase C | Signalling | 1373623\_at |
| Jmjd3 | Jumonji domain containing 3 | Hypothetical proteins and proteins with no known function | 1390000\_at |
| Lhfpl2 | Lipoma HMGIC fusion partner-like 2 | Hypothetical proteins and proteins with no known function | 1373233\_at, 1378179\_a\_at |
| LOC500300 | Similar to hypothetical protein MGC6835 | Hypothetical proteins and proteins with no known function | 1372213\_at |
| Map3k6 | Mitogen-activated protein kinase kinase kinase 6 | Signalling | 1378552\_at |
| Mctp2 | Multiple C2 domains, transmembrane 2 | Hypothetical proteins and proteins with no known function | 1397718\_at |
| Nab2 | Ngfi-A binding protein 2 | Transcriptional regulation | 1374925\_at |
| Nr4a2 | Nr4a2 | Transcriptional regulation | 1369007\_at |
| Nuak2 | NUAK family, SNF1-like kinase, 2 | Signalling | 1383614\_at |
| Olr1 | Oxidized low density lipoprotein (lectin-like) receptor 1 | Agonists/Receptors | 1368683\_at |
| Pde4b | Phosphodiesterase 4B, cAMP specific  | Signalling | 1369044\_a\_at, 1374157\_at |
| Pnrc1 | Proline-rich nuclear receptor coactivator 1 | Transcriptional regulation | 1370381\_at |
| RGD1564664 | Similar to LOC387763 protein | Hypothetical proteins and proteins with no known function | 1381923\_at |
| Rnd3 | Rho family GTPase 3 | Signalling | 1377663\_at |
| Skil | SKI-like | Transcriptional regulation | 1372347\_at |
| Snf1lk | SNF1-like kinase | Signalling | 1368596\_at |
| Srxn1 | Sulfiredoxin 1 homolog (S. cerevisiae) | Regulation of metabolism | 1372510\_at, 1384331\_at |
| Ssfa2 | Sperm specific antigen 2 | Cyoskeleton and myofibrillar apparatus | 1377595\_at |
| Taf3 | TAF3 RNA polymerase II, TATA box binding protein (TBP)-associated factor  | Transcriptional regulation | 1382484\_at |
| Tifa | TRAF-interacting protein with forkhead-associated domain | Hypothetical proteins and proteins with no known function | 1382311\_at |
| Trib1 | Tribbles homolog 1 (Drosophila) | Signalling | 1391643\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1373679\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1384892\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1395716\_at |
| Vof16 | Ischemia related factor vof-16 | Hypothetical proteins and proteins with no known function | 1377778\_at |
| Zc3h12c | Zinc finger CCCH-type containing 12C  | Hypothetical proteins and proteins with no known function | 1391217\_at |
| Zfand5 | Zinc finger, AN1-type domain 5 | Hypothetical proteins and proteins with no known function | 1388868\_at |

**Cluster 3**

|  |  |  |  |
| --- | --- | --- | --- |
| **Gene symbol** | **Gene name** | **Functional classification** | **Probeset** |
| ***IL1β and IL33*** |  |
| Aldh1a3 | Aldehyde dehydrogenase 1 family, member A3 | Regulation of metabolism | 1383469\_at |
| Angptl4 | Angiopoietin-like 4 | Agonists/Receptors | 1388924\_at |
| AS to Tnfaip6 | AS to Tumor necrosis factor alpha induced protein 6 | Non-protein coding/potential AS sequences | 1371193\_at |
| Ass1 | Argininosuccinate synthetase 1 | Regulation of metabolism | 1370964\_at |
| Bcl3 | B-cell leukemia/lymphoma 3 | Transcriptional regulation | 1385627\_at, 1398482\_at |
| Bcl6 | B-cell leukemia/lymphoma 6 | Transcriptional regulation | 1379368\_at |
| Bcr | Breakpoint cluster region | Signalling | 1373494\_at, 1389465\_at |
| Bdkrb2 | Bradykinin receptor, beta 2 | Agonists/Receptors | 1370650\_s\_at |
| Birc3 | Baculoviral IAP repeat-containing 3 | Protein synthesis, modification, trafficking | 1370113\_at |
| Cdkn2b | Cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4) | Signalling | 1369193\_at |
| Cish | Cytokine inducible SH2-containing protein | Signalling | 1378586\_at |
| Cx3cl1 | Chemokine (C-X3-C motif) ligand 1 | Agonists/Receptors | 1368200\_at |
| Cxcl3 | Chemokine (C-X-C motif) ligand 3 | Agonists/Receptors | 1370633\_at, 1370634\_x\_at, 1388032\_a\_at |
| Cxcl6 | Chemokine (C-X-C motif) ligand 6 | Agonists/Receptors | 1387648\_at |
| Darc | Duffy blood group, chemokine receptor  | Agonists/Receptors | 1393250\_at |
| Fas | Fas (TNF receptor superfamily, member 6) | Agonists/Receptors | 1384842\_s\_at |
| Fst | Follistatin | Agonists/Receptors | 1372750\_at, 1387843\_at |
| Gbp2 | Guanylate nucleotide binding protein 2 | Signalling | 1368332\_at |
| Icam1 | Intercellular adhesion molecule 1 | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1387202\_at |
| Inhba | Inhibin beta-A | Agonists/Receptors | 1369012\_at, 1383486\_at |
| Intron to Mast4 | Intron to microtubule associated serine/threonine kinase family member 4 | Sequences in introns | 1379114\_at |
| Jak2 | Janus kinase 2 | Signalling | 1368856\_at, 1380110\_at |
| Lipg | Lipase, endothelial  | Regulation of metabolism | 1390790\_a\_at |
| LOC363060 | Similar to RIKEN cDNA 1600029D21  | Hypothetical proteins/proteins with no known function | 1374594\_at, 1395887\_at, 1397729\_x\_at |
| Map3k8 | Mitogen-activated protein kinase kinase kinase 8 | Signalling | 1369393\_at |
| Mmp3 | Matrix metallopeptidase 3 | Protein synthesis, modification, trafficking | 1368657\_at |
| Nfkb1 | Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105  | Transcriptional regulation | 1370968\_at |
| Nog | Noggin | Agonists/Receptors | 1371052\_at |
| Nos2 | Nitric oxide synthase 2, inducible, macrophage | Regulation of metabolism | 1387667\_at |
| Plscr1 | Phospholipid scramblase 1 | Regulation of metabolism | 1369029\_at |
| Ptges | Prostaglandin E synthase | Regulation of metabolism | 1368014\_at, 1368015\_at |
| Rdh10 | Retinol dehydrogenase 10 (all-trans) | Regulation of metabolism | 1373923\_at |
| Relb | Avian reticuloendotheliosis viral (v-rel) oncogene related B | Transcriptional regulation | 1376160\_at |
| Rgs2 | Regulator of G-protein signaling 2 | Signalling | 1368144\_at |
| Ripk2 | Receptor (TNFRSF)-interacting serine-threonine kinase 2 | Signalling | 1381279\_at, 1394527\_at |
| Rnd1 | Rho family GTPase 1 | Signalling | 1381533\_at |
| Sele | Selectin, endothelial cell  | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1388018\_at |
| Selp | Selectin, platelet  | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1391946\_at |
| Serpinb2 | Serine (or cysteine) proteinase inhibitor, clade B, member 2 | Protein synthesis, modification, trafficking | 1368487\_at |
| Slamf7 | SLAM family member 7 | Agonists/Receptors | 1398703\_at |
| Slfn2 | Schlafen 2 | Hypothetical proteins/proteins with no known function | 1377916\_at |
| Socs3 | Suppressor of cytokine signaling 3 | Signalling | 1369584\_at, 1377092\_at |
| Tfpi2 | Tissue factor pathway inhibitor 2  | Protein synthesis, modification, trafficking | 1377340\_at |
| Tlr2 | Toll-like receptor 2 | Agonists/Receptors | 1392280\_at |
| Tnc | Tenascin C | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1373401\_at |
| Tnfaip6 | Tumor necrosis factor alpha induced protein 6 | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1371194\_at |
| Tnfrsf11b | Tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin) | Agonists/Receptors | 1369407\_at |
| Trpc6 | Transient receptor potential cation channel, subfamily C, member 6  | Channels, pumps, transporters | 1370139\_a\_at |
| Tslp | Thymic stromal lymphopoietin  | Agonists/Receptors | 1381070\_at |
| Uap1 | UDP-N-acetylglucosamine pyrophosphorylase 1 | Regulation of metabolism | 1379910\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1378783\_at |
|  |  |  |  |
| ***IL1β and IL33a*** |  |
| Arl5c | ADP-ribosylation factor-like 5C  | Signalling | 1377110\_at |
| Bmp2 | Bone morphogenetic protein 2 | Agonists/Receptors | 1368945\_at, 1398270\_at |
| Ccl20 | Chemokine (C-C motif) ligand 20  | Agonists/Receptors | 1369814\_at |
| Ccl7 | Chemokine (C-C motif) ligand 7 | Agonists/Receptors | 1379935\_at |
| Cd274 | CD274 antigen | Agonists/Receptors | 1382603\_at |
| Csf2 | Colony stimulating factor 2 (granulocyte-macrophage) | Agonists/Receptors | 1371228\_at |
| Csf3 | Colony stimulating factor 3  | Agonists/Receptors | 1369529\_at |
| Intron to Mgp | Intron to Mgp | Sequences in introns | 1392578\_at |
| Irak2 | Interleukin-1 receptor-associated kinase 2 | Signalling | 1383474\_at |
| Mirn221 | MicroRNA 221 | Non-protein coding/potential AS sequences | 1378867\_at |
| Ngf | nerve growth factor (beta polypeptide) | Agonists/Receptors | 1371259\_at |
| Rgs1 | Regulator of G-protein signaling 1 | Signalling | 1398540\_at |
| Rgs16 | Regulator of G-protein signaling 16  | Signalling | 1373777\_at |
| Zc3h12a | Zinc finger CCCH type containing 12A | Hypothetical proteins/proteins with no known function | 1393140\_at |
|  |  |  |  |
| ***IL1β only*** |  |
| Abcb1b | ATP-binding cassette, sub-family B (MDR/TAP), member 1B | Channels, pumps, transporters | 1370583\_s\_at |
| Adamts4 | A disintegrin and metallopeptidase with thrombospondin motifs 4 | Protein synthesis, modification, trafficking | 1393730\_at |
| Akap2 | A kinase (PRKA) anchor protein 2 | Signalling | 1373843\_at, 1382206\_a\_at, 1385566\_at |
| Arid5b | AT rich interactive domain 5B (Mrf1 like) | Transcriptional regulation | 1382312\_at |
| Arrdc4 | Arrestin domain containing 4 | Hypothetical proteins/proteins with no known function | 1391808\_at |
| AS to Myo10 | AS to myosin X | Non-protein coding/potential AS sequences | 1376848\_at |
| AS to Ptgs2 | AS to Prostaglandin endoperoxide synthase 2  | Non-protein coding/potential AS sequences | 1375986\_at |
| Atp2b1 | ATPase, Ca++ transporting, plasma membrane 1 | Channels, pumps, transporters | 1370050\_at, 1374702\_at, 1386426\_at, 1397030\_at |
| Atp8b1 | ATPase, Class I, type 8B, member 1 | Channels, pumps, transporters | 1378134\_at, 1391693\_at |
| Bach1 | BTB and CNC homology 1 | Transcriptional regulation | 1374433\_at |
| Baz1a | Bromodomain adjacent to zinc finger domain 1A | Transcriptional regulation | 1385853\_at |
| Bcl10 | B-cell CLL/lymphoma 10 | Signalling | 1368118\_at |
| Bhlhe41 | Basic helix-loop-helix family, member e41 | Transcriptional regulation | 1368511\_at |
| Bid | BH3 interacting domain death agonist  | Signalling | 1369683\_at, 1377759\_at |
| Birc2 | Baculoviral IAP repeat-containing 2 | Protein synthesis, modification, trafficking | 1368291\_at |
| Cand1 | Cullin associated and neddylation disassociated 1 | Transcriptional regulation | 1391486\_at |
| Cd44 | CD44 antigen  | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1368921\_a\_at, 1387952\_a\_at, 1390659\_at |
| Cdc42ep2 | CDC42 effector protein (Rho GTPase binding) 2 | Signalling | 1389145\_at |
| Cdc42ep4 | CDC42 effector protein (Rho GTPase binding) 4 | Signalling | 1388730\_at |
| Cebpd | CCAAT/enhancer binding protein (C/EBP), delta | Transcriptional regulation | 1387343\_at |
| Cflar | CASP8 and FADD-like apoptosis regulator | Signalling | 1368545\_at, 1391811\_at |
| Chsy1 | Chondroitin sulfate synthase 1 | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1374537\_at |
| Chsy3 | Chondroitin sulfate synthase 3 | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1386783\_at |
| Cks2 | CDC28 protein kinase regulatory subunit 2 | Signalling | 1373823\_at |
| Crem | cAMP responsive element modulator  | Transcriptional regulation | 1369737\_at, 1378925\_at |
| Cyp7b1 | Cytochrome P450, family 7, subfamily b, polypeptide 1 | Regulation of metabolism | 1388188\_at |
| Dtx2 | Deltex 2 homolog (Drosophila) | Protein synthesis, modification, trafficking | 1374564\_at |
| Efnb2 | Ephrin B2  | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1383353\_at |
| Enc1 | Ectodermal-neural cortex 1 | Cyoskeleton and myofibrillar apparatus | 1384687\_at, 1388666\_at |
| Epas1 | Endothelial PAS domain protein 1 | Transcriptional regulation | 1398333\_at |
| Esm1 | Endothelial cell-specific molecule 1 | Agonists/Receptors | 1368078\_at |
| Etf1 | Eukaryotic translation termination factor 1 | Protein synthesis, modification, trafficking | 1373917\_at |
| Fam110c | Family with sequence similarity 110, member C | Hypothetical proteins/proteins with no known function | 1385251\_at |
| Fam126b | Family with sequence similarity 126, member B | Hypothetical proteins/proteins with no known function | 1385108\_at |
| Gadd45b | Growth arrest and DNA-damage-inducible 45 beta | Signalling | 1372016\_at |
| Gbp6 | Guanylate binding protein 6 | Signalling | 1382950\_at |
| Gch | GTP cyclohydrolase 1 | Regulation of metabolism | 1373513\_at |
| Gclc | Glutamate-cysteine ligase, catalytic subunit | Regulation of metabolism | 1372523\_at |
| Gcnt2 | Glucosaminyl (N-acetyl) transferase 2, I-branching enzyme | Protein synthesis, modification, trafficking | 1374903\_at |
| Gda | Guanine deaminase  | Regulation of metabolism | 1372011\_at, 1387659\_at |
| Gfpt2 | Glutamine-fructose-6-phosphate transaminase 2 | Regulation of metabolism | 1377761\_at |
| Gnl3 | Guanine nucleotide binding protein-like 3 (nucleolar) | Signalling | 1388953\_at |
| Hif1a | Hypoxia inducible factor 1, alpha subunit | Transcriptional regulation | 1387076\_at |
| Hivep1 | Human immunodeficiency virus type I enhancer binding protein 1 | Transcriptional regulation | 1391560\_at |
| Hivep2 | Human immunodeficiency virus type I enhancer binding protein 2 | Transcriptional regulation | 1368546\_at |
| Hs3st3b1 | Heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1 | Protein synthesis, modification, trafficking | 1383661\_at |
| Il1rl1 | Interleukin 1 receptor-like 1 | Agonists/Receptors | 1387273\_at |
| Intron to Atp2b1 | Intron to ATPase, Ca++ transporting, plasma membrane 1 (Atp2b1) | Sequences in introns | 1380195\_at |
| Intron to Cflar | Intron to CASP8 and FADD-like apoptosis regulator | Sequences in introns | 1392386\_at |
| Intron to Myo1g | Intron to myosin IG | Sequences in introns | 1376098\_a\_at |
| Intron to Ppp2r2a | Intron to protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform | Sequences in introns | 1376938\_at |
| Intron to RGD1307235 | Intron to RGD1307235 | Sequences in introns | 1394925\_at |
| Intron to Rpsa | Intron to ribosomal protein SA | Sequences in introns | 1393797\_at |
| Intron to Spag9 | Intron to sperm associated antigen 9 (Spag9) | Sequences in introns | 1382020\_at |
| Irak3 | Interleukin-1 receptor-associated kinase 3 | Signalling | 1380336\_at |
| Itga5 | Integrin alpha 5 (mapped) | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1385649\_at |
| Jarid2 | Jumonji, AT rich interactive domain 2 | Transcriptional regulation | 1383382\_at, 1384390\_at, 1389984\_at |
| Kctd5 | Potassium channel tetramerisation domain containing 5 | Channels, pumps, transporters | 1397764\_at |
| Kitlg | Kit ligand  | Agonists/Receptors | 1388856\_at |
| LOC687992 | Similar to Serum amyloid A-3 protein precursor | Hypothetical proteins/ proteins with no known function | 1392647\_at |
| Mapk6 | Mitogen-activated protein kinase 6 | Signalling | 1368273\_at |
| March3 | Membrane-associated ring finger (C3HC4) 3 | Protein synthesis, modification, trafficking | 1384285\_at |
| Marcksl1 | MARCKS-like 1 | Hypothetical proteins/proteins with no known function | 1369944\_at |
| Mreg | Melanoregulin | Hypothetical proteins/proteins with no known function | 1379376\_at |
| Msx1 | Msh homeobox 1 | Transcriptional regulation | 1368302\_at |
| Myc | Myelocytomatosis viral oncogene homolog | Transcriptional regulation | 1368308\_at |
| Mycn | v-myc myelocytomatosis viral related oncogene, neuroblastoma derived  | Transcriptional regulation | 1376648\_at |
| Myo10 | Myosin X | Cyoskeleton and myofibrillar apparatus | 1393639\_at |
| N4bp1 | Nedd4 binding protein 1  | Protein synthesis, modification, trafficking | 1390859\_at, 1391222\_at |
| Neat1 | Nuclear paraspeckle assembly transcript 1 (non-protein coding) | Non-protein coding/potential AS sequences | 1371595\_at |
| Nfil3 | Nuclear factor, interleukin 3 regulated | Transcriptional regulation | 1368488\_at |
| Nfkb2 | Nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100  | Transcriptional regulation | 1375989\_a\_at |
| Nop58 | NOP58 ribonucleoprotein homolog (yeast) | Protein synthesis, modification, trafficking | 1368173\_at |
| Nrp2 | Neuropilin 2 | Agonists/Receptors | 1382995\_at |
| Nup153 | Nucleoporin 153 | Cyoskeleton and myofibrillar apparatus | 1370934\_at |
| Opn3 | Opsin 3 | Agonists/Receptors | 1393373\_at |
| P2ry2 | Purinergic receptor P2Y, G-protein coupled 2 | Agonists/Receptors | 1368940\_at |
| Pctk2 | PCTAIRE-motif protein kinase 2 | Signalling | 1382345\_at |
| Pdgfa | Platelet derived growth factor, alpha | Agonists/Receptors | 1370427\_at, 1379375\_at |
| Plscr2 | Phospholipid scramblase 2 | Regulation of metabolism | 1372725\_at |
| Polr1e | Polymerase (RNA) I polypeptide E  | Transcriptional regulation | 1376001\_at |
| Ppap2b | Phosphatidic acid phosphatase type 2B | Signalling | 1370950\_at, 1372101\_at |
| Prdm1 | PR domain containing 1, with ZNF domain | Transcriptional regulation | 1390221\_at |
| Ptpn1 | Protein tyrosine phosphatase, non-receptor type 1 | Signalling | 1368645\_at, 1397916\_s\_at |
| Ptpn12 | Protein tyrosine phosphatase, non-receptor type 12 | Signalling | 1382154\_at |
| PVR | Poliovirus receptor | Agonists/Receptors | 1370177\_at |
| Rab32 | RAB32, member RAS oncogene family  | Signalling | 1383786\_at, 1390866\_at |
| Rarb | Retinoic acid receptor, beta  | Transcriptional regulation | 1376755\_at |
| RasGrp1 | RAS guanyl releasing protein 1 | Signalling | 1383542\_at |
| Rassf4 | Ras association (RalGDS/AF-6) domain family 4 | Signalling | 1374284\_at, 1378321\_at |
| Rcl1 | RNA terminal phosphate cyclase-like 1 | Protein synthesis, modification, trafficking | 1373452\_at |
| Rela | v-rel reticuloendotheliosis viral oncogene homolog A | Transcriptional regulation | 1372853\_at |
| RGD1309095 | Similar to hypothetical protein BC015148 | Hypothetical proteins/proteins with no known function | 1384252\_at |
| Rgs4 | Regulator of G-protein signaling 4 | Signalling | 1368505\_at |
| Rhob | Ras homolog gene family, member B | Signalling | 1369958\_at |
| Rhou | Ras homolog gene family, member U | Signalling | 1389500\_at |
| Rnf125 | Ring finger protein 125 | Protein synthesis, modification, trafficking | 1382404\_at, 1384098\_at |
| Rnf19b | Ring finger protein 19B  | Hypothetical proteins/proteins with no known function | 1382074\_at |
| Rrs1 | RRS1 ribosome biogenesis regulator homolog (S. cerevisiae) | Protein synthesis, modification, trafficking | 1376065\_at |
| Runx1 | Runt related transcription factor 1 | Transcriptional regulation | 1368914\_at, 1395442\_at |
| Samd4 | Sterile alpha motif domain containing 4 | DNA/RNA regulation | 1383939\_at |
| Samd4a | Sterile alpha motif domain containing 4A | Protein synthesis, modification, trafficking | 1398620\_at |
| Sat | Spermidine/spermine N1-acetyl transferase  | Regulation of metabolism | 1371774\_at |
| Sdc1 | Syndecan 1 | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1367849\_at |
| Sdc4 | Syndecan 4 | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1367721\_at |
| Sec24a | Sec24 related gene family, member A | Protein synthesis, modification, trafficking | 1389383\_at |
| Sestd1 | SEC14 and spectrin domains 1 | Hypothetical proteins/proteins with no known function | 1388991\_at |
| Slc25a37 | Solute carrier family 25, member 37  | Channels, pumps, transporters | 1374845\_at |
| Slc2a3 | Solute carrier family 2 (facilitated glucose transporter), member 3  | Channels, pumps, transporters | 1372326\_at |
| Slc4a7 | Solute carrier family 4, sodium bicarbonate cotransporter, member 7 | Channels, pumps, transporters | 1369160\_a\_at, 1379739\_at |
| Slc7a2 | Solute carrier family 7 (cationic amino acid transporter, y+ system), member 2 | Channels, pumps, transporters | 1378927\_at |
| Slp1 | Secretory leukocyte peptidase inhibitor | Protein synthesis, modification, trafficking | 1367998\_at |
| Smad3 | MAD homolog 3 (Drosophila) | Transcriptional regulation | 1389127\_at |
| Snag1 | Sorting nexin associated golgi protein 1  | Protein synthesis, modification, trafficking | 1390298\_at |
| Sod2 | Superoxide dismutase 2, mitochondrial | Regulation of metabolism | 1370173\_at, 1379371\_at |
| Sox7 | SRY (sex determining region Y)-box 7  | Transcriptional regulation | 1384415\_at |
| Spsb1 | SplA/ryanodine receptor domain and SOCS box containing 1 | Hypothetical proteins/proteins with no known function | 1373554\_at, 1379611\_at |
| Stard13 | START domain containing 13  | Signalling | 1391871\_at |
| Stat3 | Signal transducer and activator of transcription 3 | Transcriptional regulation | 1370224\_at, 1371781\_at |
| Stat5a | Signal transducer and activator of transcription 5A | Transcriptional regulation | 1368231\_at |
| Ston2 | Stonin 2 | Protein synthesis, modification, trafficking | 1380981\_at |
| Stx11 | Syntaxin 11 | Protein synthesis, modification, trafficking | 1379732\_at |
| Taf4b | TAF4B RNA polymerase II, TATA box binding protein (TBP)-associated factor | Transcriptional regulation | 1382215\_at |
| Tgif1 | TG interacting factor 1 | Transcriptional regulation | 1373421\_at |
| Thbs1 | Thrombospondin 1 | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1374529\_at, 1394109\_at |
| Thoc4 | THO complex 4 | Transcriptional regulation | 1383660\_at |
| Timp1 | Tissue inhibitor of metallopeptidase 1 | Protein synthesis, modification, trafficking | 1367712\_at |
| Tm9sf3 | Transmembrane 9 superfamily member 3  | Hypothetical proteins/proteins with no known function | 1371647\_at |
| Tmed5 | Transmembrane emp24 protein transport domain containing 5 | Protein synthesis, modification, trafficking | 1375904\_at, 1379429\_at, 1398553\_at |
| Tmem2 | Transmembrane protein 2 | Hypothetical proteins/proteins with no known function | 1394160\_at |
| Tmem26 | Transmembrane protein 26  | Hypothetical proteins/proteins with no known function | 1395055\_at |
| Tnip1 | TNFAIP3 interacting protein 1 | Hypothetical proteins/proteins with no known function | 1388492\_at |
| Traf5 | TNF receptor-associated factor 5 | Signalling | 1377169\_at |
| Ttyh2 | Tweety homolog 2 (Drosophila) | Channels, pumps, transporters | 1384238\_at |
| Ugdh | UDP-glucose dehydrogenase | Regulation of metabolism | 1367938\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1376330\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1377117\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1383993\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1384562\_at |
| Unknown | Unknown (multihit) | Sequences associated with no established gene | 1392598\_at |
| Upp1 | Uridine phosphorylase 1 | Regulation of metabolism | 1372691\_at |
| Vcam1 | Vascular cell adhesion molecule 1 | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1368474\_at |
| Vcan | Versican | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1371232\_a\_at, 1388054\_a\_at, 1388142\_at, 1388265\_x\_at |
| Vps37c | Vacuolar protein sorting 37C | Protein synthesis, modification, trafficking | 1376680\_at |
| Wdr43 | WD repeat domain 43  | Hypothetical proteins/proteins with no known function | 1382679\_at |
| Zfp281 | Zinc finger protein 281 | Transcriptional regulation | 1382642\_at |
| Zfp697 | Zinc finger protein 697  | Transcriptional regulation | 1373680\_at |
| Zhx2 | Zinc fingers and homeoboxes 2 | Transcriptional regulation | 1384217\_at |

**Cluster 4**

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| --- | --- | --- | --- |
| **Gene symbol** | **Gene name** | **Functional classification** | **Probeset** |
| ***IL1β only*** |
| Intron to Lysmd4 | Intron to LysM, putative peptidoglycan-binding, domain containing 4 | Sequences in introns | 1379453\_a\_at |
| Intron to Lysmd4 | Intron to LysM, putative peptidoglycan-binding, domain containing 4 | Sequences in introns | 1379454\_at |
| Intron to Slc33a1 | Intron to solute carrier family 33 (acetyl-CoA transporter), member 1 | Sequences in introns | 1392317\_at |
| Kdm5c | Lysine (K)-specific demethylase 5C | Transcriptional regulation | 1393093\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1374803\_at |
| Unknown | Unknown (multihit) | Sequences associated with no established gene | 1383058\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1385506\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1390735\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1391863\_at |
| Vps26b | Vacuolar protein sorting 26 homolog B (S. pombe) | Protein synthesis, modification, trafficking | 1376464\_at |
| Zbtb24 | Zinc finger and BTB domain containing 24 | Transcriptional regulation | 1385358\_at |
| Znf688 | Zinc finger protein 688  | Transcriptional regulation | 1389445\_at |

**Cluster 5**

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| **Gene symbol** | **Gene name** | **Functional classification** | **Probeset** |
| ***IL1β and IL33*** |
| Nudt11 | Nudix (nucleoside diphosphate linked moiety X)-type motif 11 | Regulation of metabolism | 1385014\_at |
| Rbak | RB-associated KRAB zinc finger  | Transcriptional regulation | 1384937\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1395898\_at |
| Znf124 | Zinc finger protein 124 (HZF-16) | Transcriptional regulation | 1385597\_at |
|  |  |  |  |
| ***IL1β only*** |
| Amph | Amphiphysin | Hypothetical proteins/proteins with no known function | 1393000\_at |
| Armc7 | Armadillo repeat containing 7 | Hypothetical proteins/proteins with no known function | 1383246\_at |
| Fastkd3 | FAST kinase domains 3 | Signalling | 1384011\_a\_at |
| Gin1 | Gypsy retrotransposon integrase 1 | DNA/RNA regulation | 1394095\_at |
| Ier5l | Immediate early response 5-like | Hypothetical proteins/proteins with no known function | 1389675\_at, 1391026\_at |
| Intron to Sema 6a | Intron to sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A | Sequences in introns | 1392795\_at |
| Kidins220 | Kinase D-interacting substrate 220 | Hypothetical proteins/proteins with no known function | 1392949\_at |
| Klhl6 | Kelch-like 6 (Drosophila) | Hypothetical proteins/proteins with no known function | 1377153\_a\_at |
| Lin9 | Lin-9 homolog (C. elegans) | DNA/RNA regulation | 1385765\_at |
| LOC680200 | Similar to zinc finger protein 455 | Transcriptional regulation | 1376983\_at |
| Lsm1 | LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae) | DNA/RNA regulation | 1385487\_at |
| MGC72974 | Hypothetical LOC316976  | Hypothetical proteins/proteins with no known function | 1376200\_at |
| Ndufv3 | NADH dehydrogenase (ubiquinone) flavoprotein 3 | Regulation of metabolism | 1368567\_at |
| P2ry5 | Purinergic receptor P2Y, G-protein coupled, 5 | Agonists/Receptors | 1377702\_at |
| Ptger4 | Prostaglandin E receptor 4 (subtype EP4) | Agonists/Receptors | 1393638\_at |
| Pygl | Phosphorylase, glycogen, liver  | Regulation of metabolism | 1368674\_at |
| RGD1304610 | Similar to DNA segment, Chr 14, ERATO Doi 436, expressed | Hypothetical proteins/proteins with no known function | 1385253\_at |
| RGD1307396 | Similar to RIKEN cDNA 6330406I15 | Hypothetical proteins/proteins with no known function | 1376645\_at |
| Rhobtb1 | Rho-related BTB domain containing 1 | Signalling | 1389632\_at |
| Snai1 | Snail homolog 1 | Transcriptional regulation | 1373219\_at |
| Sos1 | Son of sevenless homolog 1 | Signalling | 1390864\_at |
| Taf9b | TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor | Transcriptional regulation | 1368429\_at |
| Tmem140 | Transmembrane protein 140  | Hypothetical proteins/proteins with no known function | 1390042\_at |
| Trim59 | Tripartite motif-containing 59 | Hypothetical proteins/proteins with no known function | 1378592\_at |
| Unkl | Unkempt-like  | Hypothetical proteins/proteins with no known function | 1376492\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1383977\_a\_at |
| Zfp161 | Zinc finger protein 161  | Transcriptional regulation | 1393153\_at |
| Zfp329 | Zinc finger protein 329  | Transcriptional regulation | 1397467\_at |
| Zfp61 | Zinc finger protein 61  | Transcriptional regulation | 1386793\_at |
| Zscan12 | Zinc finger and SCAN domain containing 12 | Transcriptional regulation | 1384432\_at |

**Cluster 6**

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| **Gene symbol** | **Gene name** | **Functional classification** | **Probeset** |
| ***IL1β and IL33*** |
| Intron to Rgnef | Intron to Rho-guanine nucleotide exchange factor  | Sequences in introns | 1385205\_at |
| Mirn99a | MicroRNA 99a | Non-protein coding/potential AS sequences | 1384824\_at |
| Pcdh18 | Protocadherin 18  | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1374259\_at |
| Plag1 | Pleiomorphic adenoma gene 1  | Transcriptional regulation | 1386653\_at, 1390156\_a\_at |
| Prickle2 | Prickle homolog 2 (Drosophila) | Hypothetical proteins/proteins with no known function | 1368080\_at |
| Rgc32 | Response gene to complement 32  | Signalling | 1397579\_x\_at |
| RGD1359127 | Similar to RIKEN cDNA 2310011J03  | Hypothetical proteins/proteins with no known function | 1395322\_at |
| Slbp | Stem-loop binding protein | DNA/RNA regulation | 1383589\_at |
| Snai2 | Snail homolog 2 (Drosophila) | Transcriptional regulation | 1390832\_at, 1393822\_at |
| Tmcc3 | Transmembrane and coiled coil domains 3 | Hypothetical proteins/proteins with no known function | 1378324\_at |
| Ttc30b | Tetratricopeptide repeat domain 30B  | Hypothetical proteins/proteins with no known function | 1392935\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1390148\_a\_at |
| Zfp395 | Zinc finger protein 395 | Hypothetical proteins/proteins with no known function | 1385205\_at |
|  |  |  |  |
| ***IL1β only*** |
| Acer2 | Alkaline ceramidase 2 | Regulation of metabolism | 1373302\_at, 1379846\_at, 1391791\_at |
| Adam19 | A disintegrin and metallopeptidase domain 19 (meltrin beta) | Protein synthesis, modification, trafficking | 1385382\_at |
| Anapc4 | Anaphase promoting complex subunit 4 | Protein synthesis, modification, trafficking | 1381153\_at |
| Aplnr | Apelin receptor | Agonists/Receptors | 1379772\_at |
| Appl2 | Adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2 | Signalling | 1372754\_at |
| Arhgap29 | Rho GTPase activating protein 29  | Signalling | 1398397\_at |
| Arhgef15 | Rho guanine nucleotide exchange factor (GEF) 15 | Signalling | 1383844\_at |
| Armcx1 | Armadillo repeat containing, X-linked 1 | Hypothetical proteins/proteins with no known function | 1393051\_at |
| AS to gas1 | AS to growth arrest specific 1 | Non-protein coding/potential AS sequences | 1389905\_at |
| AS to HES5 | AS to hairy and enhancer of split 5 (Drosophila) | Non-protein coding/potential AS sequences | 1375713\_at |
| AS to Maf | AS to avian musculoaponeurotic fibrosarcoma (v-maf) AS42oncogene homolog | Non-protein coding/potential AS sequences | 1392566\_at |
| Asap1 | ArfGAP with SH3 domain, ankyrin repeat and PH domain 1 | Signalling | 1392019\_at |
| Atoh8 | Atonal homolog 8 | Transcriptional regulation | 1373287\_at |
| B3galt6 | UDP-Gal:betaGal beta 1,3-galactosyltransferase, polypeptide 6 | Protein synthesis, modification, trafficking | 1396221\_at |
| Bcl7a | B-cell CLL/lymphoma 7A  | Transcriptional regulation | 1391855\_at |
| Bcl9l | B-cell CLL/lymphoma 9-like  | Transcriptional regulation | 1384335\_at |
| Bivm | Basic, immunoglobulin-like variable motif-containing protein | Hypothetical proteins/proteins with no known function | 1381838\_at |
| Bmf | Bcl2 modifying factor  | Signalling | 1374493\_at |
| Btbd3 | BTB (POZ) domain containing 3  | Hypothetical proteins/proteins with no known function | 1381974\_at, 1382478\_at |
| Cant1 | Calcium activated nucleotidase 1 | Regulation of metabolism | 1396446\_at |
| Cbx6 | Chromobox homolog 6 | Transcriptional regulation | 1375307\_at |
| Cd200r1 | CD200 receptor 1 | Agonists/Receptors | 1387745\_at |
| Cdadc1 | Cytidine and dCMP deaminase domain containing 1 | Regulation of metabolism | 1385329\_at |
| Cdca7l | Cell division cycle associated 7 like | Transcriptional regulation | 1389755\_at |
| Cnnm3 | Cyclin M3 | Hypothetical proteins/proteins with no known function | 1391270\_at |
| Ctdspl | CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like  | Signalling | 1379238\_at |
| Cxcr4 | Chemokine (C-X-C motif) receptor 4 | Agonists/Receptors | 1370097\_a\_at, 1373661\_a\_at, 1389244\_x\_at |
| Cxxc5 | CXXC finger 5 | Hypothetical proteins/proteins with no known function | 1371629\_at |
| Dbp | D site albumin promoter binding protein | Transcriptional regulation | 1387874\_at |
| Ddr1 | Discoidin domain receptor tyrosine kinase 1 | Agonists/Receptors | 1370216\_at |
| Depdc7 | DEP domain containing 7  | Hypothetical proteins/proteins with no known function | 1393612\_a\_at |
| Dhrs3 | Dehydrogenase/reductase (SDR family) member 3 | Regulation of metabolism | 1373240\_at |
| Dtwd1 | DTW domain containing 1 | Hypothetical proteins/proteins with no known function | 1376612\_at |
| Ebf3 | Early B-cell factor 3 | Transcriptional regulation | 1385173\_at |
| Efcab7 | EF-hand calcium binding domain 7 | Calcium binding | 1393922\_at |
| Eif2ak3 | Eukaryotic translation initiation factor 2 alpha kinase 3 | Signalling | 1368326\_at |
| Erf | Ets2 repressor factor  | Transcriptional regulation | 1374055\_at |
| Ezh1 | Enhancer of zeste homolog 1 (Drosophila) | Transcriptional regulation | 1399059\_at |
| Fam102b | Family with sequence similarity 102, member B | Hypothetical proteins/proteins with no known function | 1380696\_at |
| Fam110b | Family with sequence similarity 110, member B | Hypothetical proteins/proteins with no known function | 1398425\_at |
| Fam117a | Family with sequence similarity 117, member A | Hypothetical proteins/proteins with no known function | 1376177\_at |
| Fam176b | Family with sequence similarity 176, member B | Hypothetical proteins/proteins with no known function | 1372621\_at |
| Fam180a | Family with sequence similarity 180, member A | Hypothetical proteins/proteins with no known function | 1392510\_at |
| Fam78a | Family with sequence similarity 78, member A | Hypothetical proteins/proteins with no known function | 1391741\_a\_at |
| Fance | Fanconi anemia, complementation group E | DNA/RNA regulation | 1372994\_at |
| Fbxl4 | F-box and leucine-rich repeat protein 4 | Protein synthesis, modification, trafficking | 1391005\_at |
| Fgfr3 | Fibroblast growth factor receptor 3 | Agonists/Receptors | 1384056\_at |
| Fhod1 | Formin homology 2 domain containing 1 | Cyoskeleton and myofibrillar apparatus | 1378477\_a\_at |
| Fut4 | Fucosyltransferase 4 | Protein synthesis, modification/ trafficking | 1373838\_at |
| Fzd7 | Frizzled homolog 7 | Agonists/Receptors | 1374530\_at |
| G0s2 | G0/G1 switch gene 2 | Hypothetical proteins/proteins with no known function | 1388395\_at |
| Gigyf1 | GRB10 interacting GYF protein 1 | Signalling | 1381469\_a\_at |
| Gli2 | GLI-Kruppel family member GLI2  | Transcriptional regulation | 1390233\_at |
| Gpr182 | G protein-coupled receptor 182 | Agonists/Receptors | 1392664\_at |
| Hey1 | Hairy/enhancer-of-split related with YRPW motif-like | Transcriptional regulation | 1391969\_at |
| Hic2 | Hypermethylated in cancer 2 | Transcriptional regulation | 1376400\_at |
| Htr2a | 5-hydroxytryptamine (serotonin) receptor 2A | Agonists/Receptors | 1369125\_at |
| Id3 | Inhibitor of DNA binding 3 | Transcriptional regulation | 1387769\_a\_at |
| Il15 | Interleukin 15 | Agonists/Receptors | 1368375\_a\_at |
| Intron to Cstf3 | Intron to cleavage stimulation factor, 3' pre-RNA, subunit 3 | Sequences in introns | 1394996\_at |
| Intron to Fabp3 | Intron to fatty acid binding protein 3, muscle and heart | Sequences in introns | 1376522\_at |
| Wnt2 | Wingless-type MMTV integration site family member 2 | Agonists/Receptors | 1394361\_a\_at |
| Intron to Wnk2 | Intron to WNK lysine deficient protein kinase 2 | Sequences in introns | 1376280\_at |
| Irf2bp | Interferon regulatory factor 2 binding protein 2 | Transcriptional regulation | 1373566\_at |
| Irs1 | Insulin receptor substrate 1 | Signalling | 1374060\_at |
| Kbtbd7 | Kelch repeat and BTB (POZ) domain containing 7 | Hypothetical proteins/proteins with no known function | 1380466\_at |
| Kcne3 | Potassium voltage-gated channel, Isk-related subfamily, gene 3 | Channels, pumps, transporters | 1387160\_at |
| Khdrbs1 | KH domain containing, RNA binding, signal transduction associated 1 | Transcriptional regulation | 1395583\_at |
| Klf2 | Kruppel-like factor 2 (lung)  | Transcriptional regulation | 1376569\_at, 1386041\_a\_at, 1394068\_x\_at |
| Klf3 | Kruppel-like factor 3 (basic) | Transcriptional regulation | 1378332\_at, 1389479\_at, 1393150\_at |
| Klhdc5 | Kelch domain containing 5  | Hypothetical proteins/proteins with no known function | 1379615\_at, 1380449\_at |
| Klhl21 | Kelch-like 21  | Hypothetical proteins/proteins with no known function | 1371995\_at |
| Krba1 | KRAB-A domain containing 1 | Hypothetical proteins/proteins with no known function | 1375914\_at |
| Kremen1 | Kringle containing transmembrane protein 1 | Agonists/Receptors | 1369253\_at |
| Ksr1 | Kinase suppressor of ras 1 | Signalling | 1379462\_at |
| Ldb1 | LIM domain binding 1 | Transcriptional regulation | 1371317\_at |
| Lnx2 | Ligand of numb-protein X 2 | Hypothetical proteins/proteins with no known function | 1383359\_at |
| LOC499602 | Hypothetical protein LOC499602 | Hypothetical proteins/proteins with no known function | 1390830\_at |
| LOC689959 | Hypothetical protein LOC689959 | Hypothetical proteins/proteins with no known function | 1375423\_at |
| Lrrc10 | Leucine-rich repeat-containing 10  | Hypothetical proteins/proteins with no known function | 1389727\_at |
| Lrrc17 | Leucine rich repeat containing 17 | Hypothetical proteins/proteins with no known function | 1395472\_at |
| Lyn | v-yes-1 Yamaguchi sarcoma viral related oncogene homolog | Signalling | 1382346\_at |
| Lysmd4 | LysM, putative peptidoglycan-binding, domain containing 4 | Hypothetical proteins/proteins with no known function | 1372060\_at |
| Maf | v-maf musculoaponeurotic fibrosarcoma oncogene homolog | Transcriptional regulation | 1385243\_at, 1387165\_at |
| Mafb | v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B | Transcriptional regulation | 1382108\_at |
| Maml3 | Mastermind like 3 (Drosophila) | Transcriptional regulation | 1373726\_at |
| Mdc1 | Mediator of DNA damage checkpoint 1 | DNA/RNA regulation | 1374927\_at |
| Mettl7a | Methyltransferase like 7A | Regulation of metabolism | 1371479\_at |
| Mex3b | Mex3 homolog B | Hypothetical proteins/proteins with no known function | 1380682\_at |
| Mirn23b  | MicroRNA 23b | Non-protein coding/potential AS sequences | 1398020\_at |
| Mmgt2 | Membrane magnesium transporter 2 | Channels, pumps, transporters | 1375430\_at |
| Mmp11 | Matrix metallopeptidase 11 | Protein synthesis, modification, trafficking | 1367858\_at |
| Mtss1l | Metastasis suppressor 1-like | Cytoskeleton/myofibrillar | 1396057\_at |
| Mum1 | Melanoma associated antigen (mutated) 1 | Hypothetical proteins/proteins with no known function | 1394409\_at |
| Narf | Nuclear prelamin A recognition factor | Cyoskeleton and myofibrillar apparatus | 1384009\_at |
| Nr2f2 | Nuclear receptor subfamily 2, group F, member 2 | Transcriptional regulation | 1389554\_at, 1389998\_at |
| Nrarp | Notch-regulated ankyrin repeat protein  | Hypothetical proteins/proteins with no known function | 1375277\_at, 1382138\_at |
| Nrn1 | Neuritin 1 | Hypothetical proteins/proteins with no known function | 1386969\_at |
| Nynrin | NYN domain and retroviral integrase containing | DNA/RNA regulation | 1374023\_at |
| Obsl1 | Obscurin-like 1 | Hypothetical proteins/proteins with no known function | 1390139\_a\_at |
| Opn4 | Opsin 4 (melanopsin) | Agonists/Receptors | 1374302\_at |
| Palm | Paralemmin | Cyoskeleton and myofibrillar apparatus | 1367649\_at |
| Parp8 | Poly (ADP-ribose) polymerase family, member 8 | Protein synthesis, modification, trafficking | 1377970\_at |
| Pcgf2 | Polycomb group ring finger 2  | Transcriptional regulation | 1388962\_at |
| Pdgfrb | Platelet derived growth factor receptor, beta polypeptide | Agonists/Receptors | 1370642\_s\_at |
| Phf17 | PHD finger protein 17 | Transcriptional regulation | 1374636\_at |
| Phf21a | PHD finger protein 21A | Transcriptional regulation | 1377674\_at |
| Phlda3 | Pleckstrin homology-like domain, family A, member 3  | Hypothetical proteins/proteins with no known function | 1375224\_at |
| Pik3ip1 | Phosphoinositide-3-kinase interacting protein 1 | Signalling | 1388525\_at |
| Pitx2 | Paired-like homeodomain transcription factor 2 | Transcriptional regulation | 1368785\_a\_at |
| Pla2g15 | phospholipase A2, group XV  | Regulation of metabolism | 1375034\_at |
| Plau | Plasminogen activator, urokinase  | Protein synthesis, modification, trafficking | 1387675\_at, 1398287\_at |
| Plcxd3 | Phosphatidylinositol-specific phospholipase C, X domain containing 3 | Signalling | 1376654\_at |
| Pml | Promyelocytic leukemia  | Transcriptional regulation | 1382177\_at |
| Ppp1r3c | Protein phosphatase 1, regulatory (inhibitor) subunit 3C | Signalling | 1373108\_at |
| Prr12 | Proline rich 12 | Hypothetical proteins/proteins with no known function | 1378978\_a\_at, 1378979\_x\_at, 1392593\_a\_at |
| Pxk | PX domain containing serine/threonine kinase | Signalling | 1390422\_at |
| Rassf6 | Ras association (RalGDS/AF-6) domain family member 6 | Signalling | 1382384\_at |
| Rcan3 | Regulator of calcineurin 3 | Signalling | 1372875\_at |
| Rerg | RAS-like, estrogen-regulated, growth-inhibitor | Signalling | 1390812\_a\_at |
| RGD1304827 | Hypothetical LOC316091 | Hypothetical proteins/proteins with no known function | 1376156\_at |
| RGD1304931 | Similar to RIKEN cDNA 2310042D19 | Hypothetical proteins/proteins with no known function | 1385518\_at |
| RGD1304952 | Similar to RIKEN cDNA C530028O21 gene | Hypothetical proteins/proteins with no known function | 1373931\_at |
| RGD1305464 | Similar to human chromosome 15 open reading frame 39 | Signalling | 1390249\_at |
| RGD1306809 | Similar to hypothetical protein FLJ30596 | Hypothetical proteins/proteins with no known function | 1382235\_at |
| RGD1308093 | Similar to FLJ00128 protein  | Signalling | 1376998\_a\_at |
| RGD1309079 | Similar to Ab2-095 | Hypothetical proteins/proteins with no known function | 1389199\_at |
| RGD1309821 | Similar to KIAA1161 protein | Hypothetical proteins/proteins with no known function | 1372095\_at |
| RGD1310423 | Similar to hypothetical protein FLJ31737 | Hypothetical proteins/proteins with no known function | 1373596\_at |
| RGD1310552 | Similar to hypothetical protein MGC38960 | Hypothetical proteins/proteins with no known function | 1393352\_at |
| RGD1563072 | Similar to hypothetical protein FLJ38984 | Hypothetical proteins/proteins with no known function | 1380314\_at |
| RGD1563510 | Similar to RIKEN cDNA 8430427H17 gene | Hypothetical proteins/proteins with no known function | 1380766\_a\_at |
| RGD1566220 | Similar to hypothetical MGC48595 | Hypothetical proteins/proteins with no known function | 1391070\_at |
| Rnf144a | Ring finger protein 144A | Protein synthesis, modification, trafficking | 1398597\_at |
| Rpp25 | Ribonuclease P 25 subunit (human) | Protein synthesis, modification, trafficking | 1376110\_at |
| Runx1t1 | Runt-related transcription factor 1; translocated to, 1 (cyclin D-related) | Transcriptional regulation | 1389748\_at, 1391447\_at, 1395294\_at |
| Rwdd3 | RWD domain containing 3 | Hypothetical proteins/proteins with no known function | 1392170\_at |
| Senp7 | SUMO1/sentrin specific protease 7 | Protein synthesis, modification, trafficking | 1394086\_at |
| Sept9 | Septin 9 | Signalling | 1386906\_a\_at |
| Sh2dc3 | SH2 domain containing 3C  | Signalling | 1389198\_at |
| Sh3rf1 | SH3 domain containing ring finger 1  | Signalling | 1383910\_at |
| Shank3 | SH3 and multiple ankyrin repeat domains 3 | Signalling | 1367658\_at |
| Slc16a12 | Solute carrier family 16 (monocarboxylic acid transporters), member 12 | Channels, pumps, transporters | 1393516\_at |
| Slc29a3 | Solute carrier family 29 (nucleoside transporters), member 3 | Channels, pumps, transporters | 1374200\_at |
| Slc2a4 | Solute carrier family 2 (facilitated glucose transporter), member 4 | Channels, pumps, transporters | 1388958\_a\_at |
| Slc9a3r2 | Solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 2 | Channels, pumps, transporters | 1387976\_at |
| Smad6 | MAD homolog 6 | Transcriptional regulation | 1375121\_at |
| Smad7 | MAD homolog 7 | Transcriptional regulation | 1368897\_at |
| Smad9 | MAD homolog 9 (Drosophila) | Transcriptional regulation | 1393262\_at |
| Snrk | SNF related kinase  | Signalling | 1379662\_a\_at |
| Snx33 | Sorting nexin 33 | Signalling | 1373239\_at |
| Tbx5 | T-box 5  | Transcriptional regulation | 1377139\_at |
| Tcf21 | Transcription factor 21 | Transcriptional regulation | 1388782\_at |
| Tcfap4 | Transcription factor AP4  | Transcriptional regulation | 1386435\_at |
| Thra | Thyroid hormone receptor alpha | Agonists/Receptors | 1395928\_at |
| Tlr4 | Toll-like receptor 4 | Agonists/Receptors | 1387982\_at |
| Tmco6 | Transmembrane and coiled-coil domains 6 | Hypothetical proteins/proteins with no known function | 1374637\_at |
| Tmem119 | Transmembrane protein 119 homolog | Hypothetical proteins/proteins with no known function | 1372935\_at |
| Tmem204 | Transmembrane protein 204  | Cell-cell/cell-matrix adhesion/interaction, extracellular matrix | 1376623\_at |
| Tmub1 | Transmembrane and ubiquitin-like domain containing 1 | Hypothetical proteins/proteins with no known function | 1372961\_at |
| Trib2 | Tribbles homolog 2 | Signalling | 1388821\_at |
| Trim62 | Tripartite motif-containing 62  | Hypothetical proteins/proteins with no known function | 1385232\_at |
| Ttc8 | Tetratricopeptide repeat domain 8 | Hypothetical proteins/proteins with no known function | 1378416\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1373776\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1380900\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1383659\_a\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1384135\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1386002\_at |
| Unknown | Unknown | Sequences associated with no established gene | 1398467\_at |
| Usf1 | Upstream transcription factor 1 | Transcriptional regulation | 1399006\_at |
| Usp2 | Ubiquitin specific peptidase 2 | Protein synthesis, modification, trafficking | 1387703\_a\_at |
| Wipf1 | WAS/WASL interacting protein family, member 1 | Cyoskeleton and myofibrillar apparatus | 1387227\_at |
| Zbtb44 | Zinc finger and BTB domain containing 44 | Transcriptional regulation | 1376376\_at |
| Zcchc14 | Zinc finger, CCHC domain containing 14 | Hypothetical proteins/proteins with no known function | 1372414\_at, 1382199\_at |
| Zcchc24 | Zinc finger, CCHC domain containing 24 | Hypothetical proteins/proteins with no known function | 1386106\_at, 1388672\_at |
| Zfp157 | zinc finger protein 157 | Hypothetical proteins/proteins with no known function | 1377154\_at |
| Zfp278 | Zinc finger protein 278 | Transcriptional regulation | 1372205\_at |
| Zfp316 | Zinc finger protein 316  | Transcriptional regulation | 1393438\_at |
| Zfp827 | Zinc finger protein 827 | Transcriptional regulation | 1397496\_at |
| Zfp9 | Zinc finger protein 9 | Transcriptional regulation | 1379097\_at |
| Zfyve21 | Zinc finger, FYVE domain containing 21 | Hypothetical proteins/proteins with no known function | 1372030\_at |
| Znf292 | Zinc finger protein 292 | Transcriptional regulation | 1381902\_at, 1390945\_at, 1399119\_at |