**Supplementary Table 2:** Effect of 5 nmol/l and 500 nmol/l CCL25 on tissue-engineered cartilage.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Probe set ID** | **Gene symbol** | **Gene title** | **21\_0  vs. 14\_0** | **21\_5  vs. 21\_0** | **21\_500  vs. 21\_0** | **21\_0\_T vs. 21\_0** | **21\_5\_T  vs. 21\_0\_T** | **21\_500\_T vs. 21\_0\_T** |
| Ssc.21669.1.S1\_at | *ACADVL* | *very long-chain specific acyl-CoA dehydrogenase, mitochondrial-like* | 1.07 | -1.74 | **-1.74** | -1.07 | 1.23 | -1.41 |
| Ssc.3393.2.A1\_a\_at | *ACER3* | *alkaline ceramidase 3-like* | -1.32 | 1.23 | **1.62** | 2.00 | -1.07 | 1.07 |
| Ssc.22033.3.S1\_at | *ACP2* | *lysosomal acid phosphatase-like* | 1.32 | -1.87 | **-2.00** | -1.41 | 1.41 | -1.23 |
| Ssc.10316.1.S1\_at | *ACTB* | *actin, gamma-enteric smooth muscle-like* | 2.30 | -1.52 | **-2.64** | 2.00 | 1.00 | -1.52 |
| Ssc.22398.1.A1\_at | *ADAM12* | *ADAM metallopeptidase domain 12* | -1.07 | 1.00 | **-1.52** | -1.23 | -1.07 | -1.32 |
| Ssc.26953.1.A1\_at | *AGGF1* | *angiogenic factor with G patch and FHA domains 1* | 1.00 | 1.41 | **1.52** | 1.15 | -1.07 | 1.23 |
| Ssc.19059.1.A1\_at | *AGTR1* | *type-1 angiotensin II receptor-like* | 1.32 | -1.23 | **-1.87** | -1.07 | -1.32 | -1.23 |
| Ssc.17348.1.S1\_at | *AKAP13* | *A kinase (PRKA) anchor protein 13* | -2.00 | 1.87 | **1.62** | 1.74 | -1.07 | 1.07 |
| Ssc.21101.1.S1\_at | *ALAS1* | *5-aminolevulinate synthase, nonspecific, mitochondrial-like* | -1.23 | -1.23 | **-1.62** | 1.00 | 1.07 | -1.07 |
| Ssc.9278.1.A1\_at | *ANGPTL2* | *angiopoietin-like 2* | 1.32 | -1.52 | **-1.87** | -2.14 | 1.23 | 1.32 |
| Ssc.17345.1.S1\_at | *ANGPTL4* | *angiopoietin-like 4* | 2.64 | -1.41 | **-1.52** | -1.74 | 1.15 | -1.07 |
| Ssc.13587.2.S1\_at | *ANK3* | *ankyrin 3, node of Ranvier (ankyrin G)* | -4.92 | 10.56 | **11.31** | 4.59 | 1.07 | -2.30 |
| Ssc.18389.3.S1\_at | *AP2S1* | *adaptor-related protein complex 2 sigma 1 subunit* | 1.23 | **-1.52** | -1.41 | -1.32 | 1.15 | 1.07 |
| Ssc.8417.1.A1\_at | *API5* | *apoptosis inhibitor 5* | -1.52 | **2.46** | **2.00** | 2.83 | 1.07 | -1.15 |
| Ssc.23514.2.S1\_at | *ARFGAP2* | *ADP-ribosylation factor GTPase activating protein 2* | 1.62 | **-2.83** | -1.62 | -2.30 | 1.62 | 1.52 |
| Ssc.20310.1.S1\_at | *ARHGAP39* | *Rho GTPase activating protein 39 /// alanine aminotransferase 1-like* | 1.23 | -1.32 | **-1.52** | -1.62 | 1.23 | 1.00 |
| Ssc.4246.3.S1\_at | *ARHGEF10L* | *rho guanine nucleotide exchange factor 10-like protein-like* | 1.41 | -1.15 | **-2.00** | -1.15 | -1.07 | -1.07 |
| Ssc.1273.1.S1\_a\_at | *ATPAF2* | *ATP synthase mitochondrial F1 complex assembly factor 2* | -1.07 | -1.32 | **-1.52** | 1.00 | 1.23 | 1.00 |
| Ssc.19604.1.S1\_at | *B3GNTL1* | *UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1* | 1.32 | -1.87 | **-2.14** | -1.62 | 1.62 | 1.87 |
| Ssc.18181.2.S1\_at | *B9D2* | *b9 domain-containing protein 2-like* | 1.32 | -1.15 | **-1.87** | -1.15 | 1.15 | 1.00 |
| Ssc.950.1.S1\_at | *BASP1* | *brain acid soluble protein 1-like* | 2.14 | 1.15 | **-1.52** | 1.62 | -1.15 | -1.32 |
| Ssc.24732.1.S1\_at | *BBS5* | *Bardet-Biedl syndrome 5 protein homolog* | -1.41 | 1.52 | **1.74** | 1.74 | -1.15 | 1.07 |
| Ssc.27395.1.A1\_at | *BBX* | *bobby sox homolog (Drosophila)* | 1.15 | 1.00 | **1.52** | 1.07 | -1.15 | 1.41 |
| Ssc.16650.1.S1\_at | *BCKDHA* | *branched chain keto acid dehydrogenase E1, alpha polypeptide* | 1.23 | **-1.52** | -1.23 | -1.15 | -1.15 | 1.23 |
| Ssc.22958.1.S1\_a\_at | *BTBD1* | *BTB (POZ) domain containing 1* | 1.15 | 1.23 | **1.62** | 1.23 | -1.15 | 1.15 |
| Ssc.30780.3.S1\_at | *BYS1* | *bystin* | -1.07 | -1.32 | **-1.52** | 1.00 | 1.23 | -1.74 |
| Ssc.7586.2.S1\_at | *BZW1* | *basic leucine zipper and W2 domains 1* | -1.15 | 1.23 | **1.52** | 1.15 | -1.32 | 1.23 |
| Ssc.3712.1.S1\_at | *C1GALT1* | *core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1* | 1.07 | 1.32 | **1.87** | 1.74 | -1.32 | 1.00 |
| Ssc.27811.1.S1\_at | *C1QTNF6* | *C1q and tumor necrosis factor related protein 6* | 1.00 | -1.23 | **-1.52** | -1.41 | 1.15 | -1.23 |
| Ssc.11149.2.S1\_at | *CA9* | *carbonic anhydrase 9-like* | 1.23 | -1.15 | **-1.62** | -1.74 | 1.07 | -1.32 |
| Ssc.7158.1.A1\_a\_at | *CAPNS1 /// GPX3* | *calpain, small subunit 1 /// glutathione peroxidase 3 (plasma)* | 1.32 | **-1.52** | 1.07 | 1.00 | 1.15 | 1.23 |
| Ssc.6861.1.A1\_at | *CASC1* | *cancer susceptibility candidate 1* | -1.52 | 1.32 | **1.74** | 1.87 | -1.41 | 1.15 |
| Ssc.12901.1.A1\_at | *CASK* | *calcium/calmodulin-dependent serine protein kinase (MAGUK family)* | -1.15 | 1.52 | **1.52** | 1.15 | -1.23 | 1.07 |
| Ssc.17985.1.S1\_at | *CASQ2* | *calsequestrin 2 (cardiac muscle)* | 1.07 | -1.52 | **-12.13** | -16.00 | 3.25 | 6.06 |
| Ssc.1530.1.S1\_at | *CCDC71* | *coiled-coil domain-containing protein 71-like* | 1.23 | -1.41 | **-1.62** | -1.23 | -1.07 | 1.00 |
| Ssc.23877.1.S1\_at | *CCNA2* | *cyclin A2* | 1.62 | **-4.29** | 1.07 | -1.87 | -1.52 | 1.07 |
| Ssc.31147.1.S1\_at | *CCNT2* | *cyclin T2* | 1.15 | 1.15 | **1.52** | 1.00 | -1.07 | 1.32 |
| Ssc.25814.1.S1\_at | *CD200* | *CD200 molecule* | 1.00 | 1.00 | **1.52** | 1.23 | -1.15 | 1.52 |
| Ssc.813.1.S1\_at | *CDC42SE1* | *CDC42 small effector 1* | -1.07 | **-1.52** | -1.52 | -1.07 | 1.23 | 1.07 |
| Ssc.21033.2.S1\_at | *CDIPT* | *CDP-diacylglycerol--inositol 3-phosphatidyltransferase* | 1.32 | **-1.62** | **-1.74** | -1.52 | 1.32 | -1.15 |
| Ssc.16532.2.S1\_at | *CDK2* | *cyclin-dependent kinase-2 alpha* | -1.87 | **2.14** | 2.00 | 1.62 | -1.07 | 1.00 |
| Ssc.7434.1.S1\_at | *CDK2AP2* | *cyclin-dependent kinase 2-associated protein 2-like* | 1.00 | -1.32 | **-1.52** | 1.07 | 1.15 | 1.15 |
| Ssc.8871.1.S1\_at | *CDKN1C* | *cyclin-dependent kinase inhibitor 1C (p57, Kip2)* | 1.32 | 1.15 | **1.52** | 1.07 | 1.00 | 1.15 |
| Ssc.7106.1.S1\_at | *CDO1* | *cysteine dioxygenase, type I* | 1.00 | 1.15 | **1.52** | 1.52 | -1.07 | 1.15 |
| Ssc.18574.1.A1\_at | *CELF2* | *CUGBP Elav-like family member 2-like* | 1.00 | **1.87** | 2.14 | 2.14 | -1.15 | 1.15 |
| Ssc.14308.1.S1\_at | *CENPC* | *centromere protein C 1-like* | 1.07 | 1.07 | **1.74** | 1.23 | -1.32 | 1.07 |
| Ssc.12256.1.S1\_at | *CFAP36* | *cilia and flagella associated protein 36* | -1.52 | **1.52** | 1.41 | 1.52 | -1.23 | 1.07 |
| Ssc.11310.2.A1\_at | *CHRDL1* | *chordin-like protein 1-like* | 1.32 | -1.23 | **-1.87** | -2.00 | 1.00 | -1.23 |
| Ssc.20491.1.A1\_at | *CLCN3* | *chloride channel, voltage-sensitive 3* | -1.41 | **1.52** | 1.74 | 1.52 | -1.41 | 1.32 |
| Ssc.8335.1.S1\_at | *CLDN11* | *Claudin 11* | 3.03 | -1.23 | **-1.87** | -1.07 | -1.07 | -2.00 |
| Ssc.9013.1.S1\_at | *CNN1* | *calponin 1, basic, smooth muscle* | 2.00 | -1.15 | **-2.00** | 1.23 | 1.23 | -1.41 |
| Ssc.17935.1.A1\_at | *CNTN3* | *contactin-3-like* | -1.32 | 1.15 | **1.52** | 1.23 | 1.00 | 1.00 |
| Ssc.29676.2.A1\_a\_at | *COBLL1* | *cordon-bleu WH2 repeat protein like 1* | -1.07 | 1.41 | **1.87** | 1.15 | -1.07 | 1.32 |
| Ssc.1091.2.S1\_at | *COL1A1* | *collagen, type I, alpha 1* | 1.15 | -1.41 | **-1.52** | -1.52 | 1.00 | -1.23 |
| Ssc.16016.1.S1\_at | *COL2A1* | *collagen, type II, alpha 1* | -1.15 | -1.15 | **-1.62** | -2.83 | 1.23 | 1.00 |
| Ssc.4345.1.S2\_at | *COL4A1* | *collagen alpha-1(IV) chain-like* | 1.23 | -1.15 | **-1.87** | 1.23 | 1.07 | -1.52 |
| Ssc.3467.1.S1\_at | *COL4A2* | *collagen, type IV, alpha 2* | 1.41 | -1.15 | **-1.62** | -1.32 | 1.15 | -1.15 |
| Ssc.5895.1.A1\_at | *COL6A1* | *collagen, type VI, alpha 1* | 1.41 | -1.41 | **-1.52** | -1.32 | 1.23 | 1.00 |
| Ssc.16356.1.S1\_at | *COMP* | *cartilage oligomeric matrix protein /// cartilage oligomeric matrix protein-like* | -1.23 | -1.23 | **-1.52** | -1.74 | 1.23 | -1.07 |
| Ssc.10453.1.S1\_at | *CP* | *Similar to Ceruloplasmin precursor (Ferroxidase)* | -1.07 | 1.07 | **1.62** | 1.87 | -1.32 | 1.15 |
| Ssc.24133.1.S1\_at | *CPEB3* | *cytoplasmic polyadenylation element binding protein 3* | 1.15 | **10.56** | 8.00 | 1.87 | -1.07 | 9.85 |
| Ssc.8038.1.A1\_at | *CPEB4* | *cytoplasmic polyadenylation element binding protein 4* | 1.00 | **1.52** | 1.32 | 1.32 | -1.32 | 1.15 |
| Ssc.4779.1.A1\_at | *CPM* | *carboxypeptidase M-like* | 1.07 | 1.15 | **1.62** | 1.52 | -1.15 | 1.07 |
| Ssc.3001.1.S1\_at | *CRAT* | *carnitine O-acetyltransferase* | 1.23 | **-1.52** | -1.32 | -1.15 | 1.15 | 1.07 |
| Ssc.24452.1.S1\_at | *CREBRF* | *CREB3 regulatory factor* | -1.32 | 1.32 | **1.74** | 1.52 | -1.07 | 1.00 |
| Ssc.21460.1.A1\_at | *CREG1* | *protein CREG1-like* | 1.07 | 1.07 | **1.52** | 1.32 | -1.23 | 1.00 |
| Ssc.24529.1.S1\_at | *CRYGS* | *beta-crystallin S-like* | -1.62 | 1.32 | **1.87** | 3.03 | 1.07 | 1.00 |
| Ssc.28471.2.S1\_at | *CSNK1E* | *casein kinase 1, epsilon* | 1.32 | -1.07 | **-1.62** | -1.23 | 1.32 | -1.07 |
| Ssc.25097.1.S1\_at | *CTCF* | *CCCTC-binding factor (zinc finger protein)* | 1.32 | -1.15 | **-1.52** | -1.32 | 1.23 | 1.32 |
| Ssc.21772.1.S1\_at | *CTRB1 /// CTRB2* | *chymotrypsinogen B1 /// chymotrypsinogen B2* | -1.23 | **13.00** | 13.93 | 1.00 | 3.73 | 4.00 |
| Ssc.24520.1.A1\_at | *CWF19L2* | *CWF19-like 2, cell cycle control (S. pombe)* | -1.23 | 1.07 | **1.62** | 1.07 | -1.07 | 1.23 |
| Ssc.19692.1.S1\_at | *CXCL2* | *chemokine (C-X-C motif) ligand 2* | -11.31 | **1.52** | **4.59** | 3.03 | -1.41 | -1.52 |
| Ssc.23427.1.A1\_at | *CYB561* | *cytochrome b561* | 1.87 | -1.23 | **-1.62** | 1.15 | 1.00 | -1.32 |
| Ssc.22328.2.S1\_at | *DARS* | *aspartyl-tRNA synthetase* | -1.41 | **1.52** | 2.30 | 1.23 | 1.41 | 1.23 |
| Ssc.15239.1.S1\_at | *DBT* | *dihydrolipoamide branched chain transacylase E2* | -1.32 | **1.52** | 1.32 | 1.07 | -1.15 | 1.00 |
| Ssc.4661.1.S1\_at | *DCLK1* | *doublecortin-like kinase 1* | 1.23 | 1.41 | **1.62** | 1.07 | 1.00 | 1.07 |
| Ssc.8014.1.S1\_at | *DEK* | *DEK oncogene* | 1.07 | 1.32 | **1.52** | 1.23 | -1.07 | 1.15 |
| Ssc.15379.1.S1\_at | *DGAT2* | *diacylglycerol O-acyltransferase 2* | 10.56 | -1.07 | **-2.83** | -1.52 | -13.00 | -3.73 |
| Ssc.16796.1.S1\_at | *DGCR14* | *DiGeorge syndrome critical region protein 14* | 1.07 | -2.64 | **-1.74** | -1.74 | 1.32 | -3.48 |
| Ssc.6610.1.A1\_at | *DGKE* | *diacylglycerol kinase, epsilon 64kDa* | -1.87 | **1.52** | 1.62 | 1.15 | 1.07 | 1.52 |
| Ssc.4713.1.S1\_a\_at | *DHPS* | *deoxyhypusine synthase-like* | -1.07 | -1.23 | **-1.52** | -1.15 | 1.07 | -1.07 |
| Ssc.26333.1.S1\_at | *DIO2* | *deiodinase, iodothyronine, type II* | -4.59 | **3.73** | 2.00 | 1.15 | 1.52 | 1.52 |
| Ssc.25324.1.S1\_at | *DMD* | *dystrophin* | -1.62 | **1.52** | **1.74** | 1.87 | -1.32 | 1.07 |
| Ssc.9405.1.A1\_at | *DNAJB5* | *DnaJ (Hsp40) homolog, subfamily B, member 5* | -1.23 | 1.00 | **-1.52** | -1.15 | 1.32 | 1.00 |
| Ssc.19057.1.A1\_at | *DOK4* | *docking protein 4* | -1.15 | 1.07 | **1.52** | -1.07 | -1.15 | 1.07 |
| Ssc.16236.1.S1\_at | *DPP4* | *dipeptidyl-peptidase 4* | 1.52 | 1.00 | **1.62** | 1.32 | -1.32 | -1.07 |
| Ssc.20515.1.S1\_at | *EFEMP1* | *EGF-containing fibulin-like extracellular matrix protein 1-like* | 1.07 | 1.15 | **1.52** | 1.07 | -1.07 | 1.07 |
| Ssc.4267.3.S1\_at | *EFEMP2* | *EGF-containing fibulin-like extracellular matrix protein 2* | 1.23 | -1.41 | **-1.52** | -1.41 | 1.32 | -1.23 |
| Ssc.19629.2.S1\_s\_at | *EGR1* | *early growth response protein 1-like* | -1.23 | 1.15 | **1.87** | 1.32 | 1.32 | 1.23 |
| Ssc.22107.2.A1\_at | *EIF4E* | *eukaryotic translation initiation factor 4E* | -1.23 | 1.41 | **1.74** | 1.23 | 1.00 | -1.07 |
| Ssc.4516.3.S1\_at | *ELAVL1* | *ELAV like RNA binding protein 1* | -1.74 | 1.41 | **1.52** | 1.41 | -1.07 | -1.15 |
| Ssc.30548.1.A1\_at | *ELMOD2* | *ELMO/CED-12 domain containing 2* | -1.15 | 1.52 | **2.30** | 1.41 | -1.23 | -1.15 |
| Ssc.16570.1.S1\_at | *ELN* | *elastin* | 1.23 | -1.23 | **-1.74** | -3.25 | 1.23 | 1.07 |
| Ssc.10942.1.S1\_at | *ENO3* | *enolase 3 (beta, muscle)* | 1.00 | -1.32 | **-1.52** | -1.32 | 1.23 | -1.07 |
| Ssc.23869.1.A1\_at | *EPYC* | *epiphycan-like* | 1.15 | 1.32 | **1.87** | 2.14 | -1.23 | 1.07 |
| Ssc.7633.2.A1\_at | *ERBB2IP* | *erbb2 interacting protein* | -1.23 | 1.00 | **1.62** | 1.00 | -1.23 | 1.07 |
| Ssc.7447.2.S1\_at | *ERGIC2* | *endoplasmic reticulum-Golgi intermediate compartment protein 2-like* | -1.32 | 1.41 | **1.62** | 1.41 | -1.07 | 1.15 |
| Ssc.26615.1.A1\_at | *ESPN* | *espin* | 1.62 | **-3.25** | -1.87 | -4.00 | 3.48 | 2.64 |
| Ssc.29767.1.A1\_at | *EXOC5* | *exocyst complex component 5* | 1.07 | **1.52** | 1.41 | 1.23 | 1.00 | 1.15 |
| Ssc.19907.1.S1\_at | *F3* | *tissue factor* | -1.87 | -1.32 | **-1.87** | 1.52 | 1.00 | -1.41 |
| Ssc.19231.1.A1\_at | *FARSA* | *phenylalanyl-tRNA synthetase alpha chain-like* | -1.15 | -1.15 | **-1.52** | -1.23 | 1.32 | 1.00 |
| Ssc.2528.1.S1\_at | *FBXL3* | *f-box/LRR-repeat protein 3-like* | -1.07 | 1.32 | **1.52** | 1.23 | -1.15 | 1.15 |
| Ssc.29341.1.A1\_at | *FBXL4* | *F-box and leucine-rich repeat protein 4* | 1.74 | **1.87** | 1.15 | 1.15 | 1.00 | 1.07 |
| Ssc.4628.1.S1\_at | *FBXO2* | *f-box only protein 2-like* | -1.15 | -1.41 | **-1.87** | -1.32 | 1.23 | 1.00 |
| Ssc.13079.2.S1\_at | *FIGLA* | *folliculogenesis specific bHLH transcription factor* | 1.07 | -1.41 | **-2.46** | -2.30 | 1.74 | 1.32 |
| Ssc.1555.1.A1\_at | *FOS* | *FBJ murine osteosarcoma viral oncogene homolog* | 1.00 | 1.15 | **2.64** | 1.62 | 2.00 | 1.52 |
| Ssc.14532.1.S1\_at | *FUT8* | *fucosyltransferase 8 (alpha (1,6) fucosyltransferase)* | 1.15 | 1.23 | **1.74** | 1.41 | -1.41 | -1.07 |
| Ssc.1093.1.A1\_at | *FZD4* | *frizzled class receptor 4* | -1.23 | 1.52 | **2.14** | 1.87 | 1.00 | -1.41 |
| Ssc.26599.1.A1\_at | *GAB2* | *GRB2-associated binding protein 2* | 1.74 | -1.32 | **-1.87** | -1.07 | -1.07 | -1.41 |
| Ssc.29054.2.S1\_at | *GBP1* | *guanylate binding protein 1, interferon-inducible, 67kDa* | -1.07 | 1.23 | **1.52** | 1.23 | 1.07 | 1.41 |
| Ssc.16225.1.S1\_at | *GHR* | *growth hormone receptor* | 1.32 | 1.32 | **1.87** | 1.52 | -1.15 | 1.23 |
| Ssc.28481.1.A1\_at | *GPN3* | *GPN-loop GTPase 3-like* | 1.32 | **1.62** | 1.41 | 1.41 | 1.00 | 1.23 |
| Ssc.26173.1.S1\_at | *GTPBP10* | *GTP-binding protein 10-like* | -1.23 | 1.23 | **1.62** | 1.32 | -1.07 | 1.00 |
| Ssc.30893.1.A1\_at | *GULP1* | *GULP, engulfment adaptor PTB domain containing 1* | 1.41 | 1.32 | **1.74** | 1.23 | -1.32 | 1.00 |
| Ssc.13463.1.S1\_at | *GXYLT1* | *glucoside xylosyltransferase 1* | 1.00 | 1.32 | **1.52** | 1.15 | -1.15 | 1.07 |
| Ssc.4573.1.S1\_at | *HARS* | *histidyl-tRNA synthetase, cytoplasmic-like* | -1.15 | **-1.52** | -1.32 | -1.23 | 1.23 | 1.07 |
| Ssc.26770.1.S1\_at | *HMMR* | *hyaluronan mediated motility receptor-like* | 1.52 | **-6.06** | -2.64 | -1.87 | -9.85 | -4.00 |
| Ssc.27885.1.S2\_at | *HNRNPA2B1* | *heterogeneous nuclear ribonucleoprotein A2/B1* | -1.23 | 1.15 | **1.52** | 1.07 | -1.23 | 1.23 |
| Ssc.8399.1.A1\_at | *HNRNPR* | *heterogeneous nuclear ribonucleoprotein R* | 1.41 | 1.23 | **2.30** | 1.00 | 1.15 | 1.41 |
| Ssc.1810.1.A1\_at | *HOXD3 /// HOXD4* | *homeobox protein Hox-D3-like* | 1.07 | 1.41 | **2.30** | 1.52 | -1.07 | 1.23 |
| Ssc.37.1.S1\_at | *HP* | *haptoglobin* | 1.41 | -1.07 | **1.62** | 1.52 | -1.15 | 1.15 |
| Ssc.13823.2.S1\_at | *HSPB6* | *heat shock protein 20kDa* | 1.62 | -1.32 | **-1.87** | -1.74 | 1.15 | -1.07 |
| Ssc.5169.1.A1\_at | *HTRA3* | *HtrA serine peptidase 3* | -1.07 | -1.07 | **-1.62** | -1.52 | 1.23 | -1.23 |
| Ssc.30752.2.A1\_at | *IFIT1* | *interferon-induced protein with tetratricopeptide repeats 1* | 2.64 | **1.62** | 1.41 | 1.32 | -1.15 | 1.00 |
| Ssc.25004.1.S1\_at | *IGF1* | *insulin-like growth factor 1 (somatomedin C)* | -1.07 | 1.15 | **1.62** | 1.32 | -1.23 | 1.00 |
| Ssc.14062.1.S1\_at | *IGFBP6* | *insulin-like growth factor binding protein 6* | -1.07 | -1.52 | **-1.52** | -2.46 | 1.15 | -1.07 |
| Ssc.17245.1.S1\_at | *IL13RA1* | *interleukin 13 receptor, alpha 1* | -1.32 | 1.74 | **1.62** | 1.87 | -1.32 | 1.00 |
| Ssc.6790.1.A1\_at | *Impact* | *imprinted and ancient* | -1.07 | 1.41 | **1.62** | 1.32 | -1.23 | 1.00 |
| Ssc.286.1.S1\_s\_at | *IRG6* | *inflammatory response protein 6* | 2.14 | **1.52** | -1.32 | 1.00 | 1.41 | 1.23 |
| Ssc.11557.1.A1\_at | *ISG15* | *ISG15 ubiquitin-like modifier* | 2.14 | 1.15 | **-1.52** | 1.00 | 1.23 | -1.32 |
| Ssc.9142.1.A1\_at | *ITGA1* | *integrin alpha-1-like* | 1.00 | 1.23 | **1.62** | 1.15 | -1.23 | 1.32 |
| Ssc.29185.1.A1\_at | *ITGA8* | *integrin alpha 8* | 2.30 | -1.15 | **-1.62** | 1.23 | -1.07 | -1.52 |
| Ssc.27502.1.S1\_at | *ITGB8* | *integrin beta 8* | -1.52 | 1.41 | **2.14** | 2.14 | -1.62 | 1.07 |
| SscAffx.11.1.S1\_a\_at | *IVL* | *involucrin* | -11.31 | **59.71** | 3.25 | 9.19 | 1.52 | -4.29 |
| Ssc.324.3.S1\_a\_at | *JAK2* | *Janus kinase 2* | 1.32 | 1.23 | **2.46** | 1.23 | -1.23 | 1.23 |
| Ssc.4677.1.A1\_at | *JMJD1C* | *jumonji domain containing 1C* | -1.07 | 1.41 | **1.74** | 1.32 | -1.15 | 1.15 |
| Ssc.10881.1.S1\_at | *JUNB* | *jun B proto-oncogene* | -1.15 | -1.15 | **1.74** | 1.74 | 1.41 | 1.32 |
| Ssc.26961.1.S1\_at | *KCTD3* | *potassium channel tetramerisation domain containing 3* | -6.96 | **14.93** | 22.63 | 8.00 | 1.00 | 1.62 |
| Ssc.4351.2.S1\_at | *KIAA0196* | *KIAA0196* | -1.15 | 1.32 | **1.62** | 1.52 | -1.07 | 1.32 |
| Ssc.30663.1.A1\_at | *KIAA1033* | *KIAA1033* | 1.00 | 1.15 | **1.74** | 1.23 | -1.15 | 1.15 |
| Ssc.8444.1.S1\_at | *KIAA1109* | *uncharacterized protein KIAA1109-like* | 1.15 | 1.15 | **1.52** | 1.23 | -1.15 | -1.07 |
| Ssc.1193.2.S1\_at | *KPNA3* | *karyopherin alpha 3 (importin alpha 4)* | 1.15 | 1.07 | **1.62** | 1.23 | -1.15 | -1.23 |
| Ssc.2308.1.S1\_at | *LDB2* | *LIM domain binding 2* | -1.74 | 2.14 | **2.46** | 2.00 | 1.00 | 1.32 |
| Ssc.26172.1.S1\_at | *LEPREL4* | *leprecan-like 4* | 1.00 | -1.32 | **-1.62** | -1.62 | 1.23 | -1.07 |
| Ssc.30819.1.S1\_at | *LLPH* | *LLP homolog, long-term synaptic facilitation (Aplysia)* | -1.41 | 1.32 | **1.62** | 1.32 | -1.15 | 1.23 |
| Ssc.15397.2.S1\_at | *LMCD1* | *LIM and cysteine-rich domains 1* | -1.07 | -1.32 | **-1.52** | -1.62 | 1.32 | -1.23 |
| Ssc.21730.1.S1\_at | *LMNB1* | *lamin-B1-like* | 1.00 | 1.00 | **-2.46** | 1.00 | 1.00 | 1.00 |
| Ssc.4693.2.S1\_at | *LRP6* | *low density lipoprotein receptor-related protein 6* | 1.23 | 1.15 | **1.62** | 1.41 | -1.23 | 1.32 |
| Ssc.26764.1.S1\_at | *LRRK2* | *leucine-rich repeat kinase 2* | -1.07 | 1.23 | **1.52** | 1.07 | -1.07 | 1.15 |
| Ssc.3340.1.A1\_at | *LUC7L3* | *LUC7-like 3 pre-mRNA splicing factor* | 1.23 | 1.32 | **1.62** | 1.15 | -1.52 | 1.15 |
| Ssc.4581.1.A1\_at | *MAK16* | *protein MAK16 homolog* | -1.15 | 1.15 | **1.62** | 1.23 | -1.23 | 1.15 |
| Ssc.10311.1.A1\_at | *MAP3K7* | *Mitogen-activated protein kinase kinase kinase 7* | -1.32 | **2.00** | 1.52 | 1.32 | 1.07 | 1.32 |
| Ssc.27434.1.S1\_at | *MARVELD3* | *MARVEL domain-containing protein 3-like* | -3.25 | **29.86** | 7.46 | 6.06 | -1.15 | 1.62 |
| Ssc.7528.1.A1\_at | *MBNL3* | *muscleblind-like splicing regulator 3* | 1.23 | 1.15 | **1.52** | 1.32 | -1.32 | 1.15 |
| Ssc.9096.1.S1\_at | *MDFIC* | *MyoD family inhibitor domain containing* | 1.00 | 1.52 | **1.62** | 1.32 | -1.07 | 1.23 |
| Ssc.6969.1.A1\_at | *MDM1* | *Mdm1 nuclear protein homolog (mouse)* | -1.15 | 1.23 | **1.62** | 1.15 | -1.32 | 1.23 |
| Ssc.31145.1.A1\_at | *MED13* | *mediator complex subunit 13* | -1.23 | 1.32 | **1.52** | 1.15 | 1.00 | 1.15 |
| Ssc.8467.1.S1\_at | *MED6* | *Mediator complex subunit 6* | -1.52 | 1.32 | **1.52** | 1.41 | -1.07 | 1.00 |
| Ssc.10858.1.A1\_at | *MICAL2* | *microtubule associated monooxygenase, calponin and LIM domain containing 2* | 1.32 | 1.00 | **-1.52** | -1.07 | 1.07 | -1.07 |
| Ssc.7718.2.S1\_at | *MIER1* | *mesoderm induction early response 1, transcriptional regulator* | -1.52 | **2.64** | 1.62 | 1.41 | -1.07 | 1.32 |
| Ssc.19959.1.S1\_at | *MIR100HG* | *mir-100-let-7a-2 cluster host gene* | 1.07 | 1.41 | **1.52** | 1.23 | -1.52 | 1.23 |
| Ssc.13320.1.A1\_at | *MIR186 /// ZRANB2* | *microRNA 186 /// zinc finger, RAN-binding domain containing 2* | 1.07 | 1.07 | **1.52** | 1.07 | -1.23 | 1.23 |
| Ssc.9269.1.S1\_at | *MIR21 /// VMP1* | *microRNA 21 /// vacuole membrane protein 1* | -1.15 | 1.32 | **1.87** | 1.87 | -1.32 | 1.15 |
| Ssc.20385.1.S1\_at | *MKKS* | *McKusick-Kaufman/Bardet-Biedl syndromes putative chaperonin-like* | -1.87 | **2.46** | **2.30** | 2.83 | 1.07 | 1.00 |
| Ssc.16013.1.S1\_at | *MMP1* | *matrix metallopeptidase 1 (interstitial collagenase)* | 1.07 | 1.23 | **2.00** | 2.83 | -1.41 | -1.07 |
| Ssc.16053.1.S1\_at | *MMP13* | *matrix metalloproteinase 13 precursor* | -2.00 | 1.52 | **2.00** | 3.03 | -1.32 | 1.32 |
| Ssc.14217.1.A1\_at | *MOBKL3* | *MOB1, Mps One Binder kinase activator-like 3 (yeast)* | -1.07 | 1.23 | **1.52** | 1.41 | -1.23 | 1.23 |
| Ssc.30253.1.A1\_at | *MORC3* | *MORC family CW-type zinc finger 3* | -1.07 | 1.07 | **1.52** | 1.23 | -1.32 | -1.07 |
| Ssc.7885.1.A1\_at | *MRS2* | *MRS2 magnesium homeostasis factor homolog (S. cerevisiae)* | 1.32 | -1.23 | **1.62** | 1.07 | -1.23 | 1.07 |
| Ssc.27621.1.S1\_at | *MSC* | *musculin-like* | -1.23 | **3.03** | 2.46 | 2.46 | -1.07 | 1.41 |
| Ssc.15607.1.S1\_at | *MTX1* | *metaxin 1* | -1.07 | -1.41 | **-1.74** | -1.74 | 1.23 | -1.15 |
| Ssc.9125.1.S1\_at | *MYL9* | *myosin, light chain 9, regulatory* | 1.52 | -1.23 | **-1.52** | 1.07 | 1.07 | -1.15 |
| Ssc.23247.1.S1\_at | *MYLK* | *myosin light chain kinase* | 2.30 | -1.07 | **-1.62** | 1.32 | 1.00 | -1.32 |
| Ssc.9609.1.S1\_at | *MYSM1* | *Myb-like, SWIRM and MPN domains 1* | 1.07 | 1.15 | **1.52** | 1.23 | -1.41 | 1.07 |
| Ssc.24236.1.S1\_at | *MYST1* | *MYST histone acetyltransferase 1* | 1.52 | -1.15 | **-1.52** | -1.15 | 1.15 | -1.07 |
| Ssc.21954.2.A1\_at | *NAGLU* | *N-acetylglucosaminidase, alpha* | 1.41 | **-1.87** | -1.07 | -1.41 | 1.23 | 1.07 |
| Ssc.10490.1.A1\_at | *NCOA2* | *nuclear receptor coactivator 2* | 1.07 | 1.23 | **1.62** | 1.07 | 1.00 | -1.07 |
| Ssc.6822.1.A1\_at | *NCOA7* | *nuclear receptor coactivator 7* | -1.07 | **2.30** | **1.87** | 1.32 | -1.23 | 1.15 |
| Ssc.22386.1.S1\_at | *NDUFA5* | *NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5-like* | -1.23 | **2.00** | 2.30 | 1.32 | -1.07 | 1.23 |
| Ssc.2683.1.S1\_at | *NEDD1* | *protein NEDD1-like* | 1.00 | 1.41 | **1.74** | 1.23 | -1.32 | 1.15 |
| Ssc.23810.1.S1\_at | *NFIA* | *nuclear factor 1 A-type-like* | 1.07 | 1.23 | **1.52** | -1.07 | 1.00 | 1.15 |
| Ssc.9372.1.A1\_at | *NFKBIZ* | *NF-kappa-B inhibitor zeta-like* | -1.32 | 1.15 | **1.62** | 1.32 | -1.23 | 1.23 |
| Ssc.9763.1.A1\_at | *NIPAL1* | *NIPA-like domain containing 1* | 4.00 | 1.74 | **1.62** | 2.00 | 1.00 | -1.32 |
| Ssc.30611.1.A1\_at | *NKTR* | *natural killer cell triggering receptor* | -1.23 | 1.15 | **1.62** | -1.15 | 1.00 | 1.62 |
| Ssc.24896.1.A1\_at | *NSUN3* | *NOP2/Sun domain family, member 3* | -1.23 | **1.52** | 1.32 | 1.23 | -1.32 | 1.07 |
| Ssc.7116.1.A1\_at | *NT5C3A* | *5'-nucleotidase, cytosolic IIIA* | -1.07 | 1.23 | **1.52** | 1.32 | -1.15 | 1.07 |
| Ssc.24707.1.S1\_at | *OGT* | *O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)* | -1.07 | 1.23 | **1.62** | 1.23 | -1.15 | 1.32 |
| Ssc.12429.1.S1\_at | *ORAI1* | *ORAI calcium release-activated calcium modulator 1* | 1.15 | **-1.52** | -1.15 | -1.15 | 1.15 | -1.07 |
| Ssc.29832.1.A1\_s\_at | *OSGEPL1* | *probable O-sialoglycoprotein endopeptidase 2-like* | -1.07 | 1.32 | **1.52** | 1.52 | -1.15 | 1.23 |
| Ssc.4156.1.A1\_at | *OTUD6B* | *OTU domain containing 6B* | -1.07 | **1.52** | **1.62** | 1.23 | -1.23 | 1.15 |
| Ssc.30255.2.S1\_at | *PCF11* | *PCF11, cleavage and polyadenylation factor subunit, homolog (S. cerevisiae)* | -1.23 | 1.32 | **1.74** | 1.32 | -1.15 | 1.23 |
| Ssc.18335.2.A1\_at | *PCNP* | *PEST proteolytic signal containing nuclear protein* | 1.15 | **1.52** | 1.15 | 1.41 | -1.32 | -1.15 |
| Ssc.5780.2.S1\_at | *PCNX* | *pecanex-like protein 1* | -1.32 | 1.00 | **2.00** | 1.74 | 1.41 | 1.15 |
| Ssc.17429.1.S1\_at | *PCSK1N* | *proprotein convertase subtilisin/kexin type 1 inhibitor* | 1.52 | 1.00 | **-1.62** | -1.41 | -1.07 | -1.15 |
| Ssc.3996.1.A1\_at | *PDLIM1* | *PDZ and LIM domain 1* | 2.00 | -1.32 | **-1.62** | -1.32 | 1.15 | -1.32 |
| Ssc.11770.1.S1\_at | *PDLIM7* | *PDZ and LIM domain 7 (enigma)* | 1.15 | -1.23 | **-1.62** | -1.15 | 1.23 | 1.00 |
| Ssc.18340.1.A1\_at | *PEBP4* | *phosphatidylethanolamine-binding protein 4* | 1.32 | -1.52 | **-1.87** | -1.32 | -1.07 | 1.32 |
| Ssc.21431.3.A1\_s\_at | *PHGDH* | *phosphoglycerate dehydrogenase* | -1.07 | -1.15 | **-1.52** | -1.15 | 1.15 | -1.23 |
| Ssc.16110.1.A1\_at | *PIAP* | *inhibitor of apoptosis-like* | -1.32 | 1.07 | **1.74** | 1.41 | 1.07 | 1.23 |
| Ssc.13752.1.S1\_at | *PIK3R3* | *phosphatidylinositol 3-kinase regulatory subunit alpha-like* | 2.00 | 1.15 | **1.87** | 1.87 | -1.32 | 1.15 |
| Ssc.7274.1.A1\_at | *PKR* | *double stranded RNA-dependent protein kinase* | 1.23 | 1.41 | **1.52** | 1.15 | -1.07 | 1.07 |
| Ssc.29372.1.A1\_at | *PLCXD3* | *phosphatidylinositol-specific phospholipase C, X domain containing 3* | 1.15 | 1.32 | **1.74** | 1.41 | -1.15 | 1.15 |
| Ssc.29424.1.A1\_at | *PLEKHA5* | *pleckstrin homology domain containing, family A member 5* | 1.07 | 1.23 | **1.62** | 1.41 | -1.32 | 1.07 |
| Ssc.8213.1.A1\_at | *PLEKHF2* | *pleckstrin homology domain containing, family F (with FYVE domain) member 2* | -1.15 | 1.23 | **1.52** | 1.23 | -1.15 | 1.23 |
| Ssc.30737.1.A1\_s\_at | *PNPT1* | *polyribonucleotide nucleotidyltransferase 1, mitochondrial-like* | 1.07 | **2.14** | 1.15 | 1.74 | -1.62 | -1.15 |
| Ssc.7266.1.A1\_at | *POSTN* | *periostin, osteoblast specific factor* | 1.32 | 1.23 | **2.00** | 1.52 | -1.23 | 1.23 |
| Ssc.19911.2.S1\_at | *PPP1R2* | *Similar to protein phosphatase 1, regulatory (inhibitor) subunit 2* | -1.23 | 1.41 | **1.52** | 1.32 | -1.23 | 1.07 |
| Ssc.102.1.S1\_at | *PPP2R1A* | *protein phosphatase 2, regulatory subunit A, alpha* | 1.07 | -1.15 | **-1.52** | -1.32 | 1.07 | 1.07 |
| Ssc.27567.1.S1\_at | *PPP2R5D* | *protein phosphatase 2, regulatory subunit B', delta* | -1.07 | -1.07 | **-1.52** | -1.15 | 1.07 | 1.00 |
| Ssc.26892.1.S1\_at | *PRKAA1* | *protein kinase, AMP-activated, alpha 1 catalytic subunit* | -1.52 | 1.23 | **2.00** | 1.74 | -1.23 | -1.15 |
| Ssc.12797.1.S1\_at | *PSME4* | *proteasome activator subunit 4* | -1.23 | 1.07 | **1.52** | 1.41 | -1.23 | 1.00 |
| Ssc.20438.1.S1\_at | *PTGFR* | *prostaglandin F receptor (FP)* | 2.14 | 1.41 | **2.00** | 2.00 | -1.62 | 1.07 |
| Ssc.20481.1.A1\_at | *PUM3* | *pumilio domain-containing protein KIAA0020-like* | -1.15 | 1.23 | **1.52** | 1.52 | 1.00 | -1.07 |
| Ssc.2489.2.S1\_at | *R3HCC1* | *R3H domain and coiled-coil containing 1* | 1.15 | -1.52 | **-2.00** | -1.52 | 1.41 | 1.15 |
| Ssc.21900.2.A1\_at | *RAD54L* | *RAD54-like (S. cerevisiae)* | 1.74 | -2.64 | **-2.00** | -2.46 | 1.00 | 1.62 |
| Ssc.18286.3.S1\_at | *RASA1* | *RAS p21 protein activator (GTPase activating protein) 1* | -1.15 | -1.07 | **1.52** | 1.15 | 1.00 | 1.15 |
| Ssc.1781.1.A1\_at | *RBM25* | *RNA-binding protein 25-like* | -1.15 | **1.62** | **1.74** | 1.74 | -1.32 | 1.15 |
| Ssc.17331.1.S1\_at | *RBM4* | *RNA binding motif protein 4* | 1.32 | **-1.62** | -1.41 | -1.32 | 1.07 | 1.15 |
| Ssc.6513.1.S1\_at | *RC3H1* | *ring finger and CCCH-type domains 1* | 1.15 | 1.23 | **1.62** | 1.32 | 1.00 | 1.52 |
| Ssc.27478.1.A1\_at | *RECQL* | *RecQ protein-like (DNA helicase Q1-like)* | 1.07 | 1.23 | **1.52** | -1.07 | -1.07 | 1.23 |
| Ssc.12193.1.S1\_at | *REEP3* | *receptor expression-enhancing protein 3-like* | -1.23 | 1.41 | **1.62** | 1.62 | -1.23 | 1.00 |
| Ssc.10247.1.S1\_at | *RFTN2* | *raftlin-2-like* | 1.15 | 1.23 | **1.52** | 1.23 | -1.07 | 1.15 |
| Ssc.4202.1.S1\_at | *RFXANK* | *regulatory factor X-associated ankyrin-containing protein* | 1.00 | -1.15 | **-1.52** | 1.00 | 1.07 | 1.15 |
| Ssc.5978.1.S1\_at | *RHBDD2* | *rhomboid domain-containing protein 2-like* | 2.30 | -1.87 | **-2.14** | -1.41 | 1.07 | -1.23 |
| Ssc.19183.1.S1\_at | *RHOF* | *ras homolog gene family, member F (in filopodia)* | -1.15 | -1.62 | **-1.87** | -1.23 | 1.15 | -1.23 |
| Ssc.22298.1.A1\_at | *RICTOR* | *RPTOR independent companion of MTOR, complex 2* | -1.15 | 1.23 | **1.74** | 1.32 | -1.62 | 1.15 |
| Ssc.30608.1.A1\_at | *RNF38* | *ring finger protein 38* | 1.23 | 1.15 | **1.52** | 1.23 | -1.15 | 1.00 |
| Ssc.7054.2.A1\_at | *RPL10A* | *ribosomal protein L10a* | 1.41 | -1.52 | **-1.74** | -1.41 | 1.23 | 1.23 |
| Ssc.7826.1.A1\_at | *RPP30* | *ribonuclease P/MRP 30kDa subunit* | -1.23 | **1.52** | 1.41 | 1.23 | 1.00 | 1.00 |
| Ssc.25214.2.S1\_at | *RPUSD3* | *RNA pseudouridylate synthase domain containing 3* | 1.41 | **-1.52** | -1.41 | -1.23 | 1.41 | -1.23 |
| Ssc.7111.1.A1\_at | *RRM2* | *ribonucleotide reductase M2* | 2.00 | -1.32 | **-1.62** | -1.15 | 1.15 | -1.23 |
| Ssc.9772.1.S1\_at | *RSBN1L* | *round spermatid basic protein 1-like* | -1.23 | 1.52 | **1.62** | 1.23 | -1.07 | 1.00 |
| Ssc.2381.1.A1\_at | *S100A9* | *S100 calcium binding protein A9* | 1.32 | 1.07 | **1.52** | 1.87 | 1.00 | 1.07 |
| Ssc.19149.2.S1\_a\_at | *SCAMP3* | *secretory carrier membrane protein 3* | 1.07 | -1.15 | **-1.52** | 1.00 | 1.15 | -1.15 |
| Ssc.31172.3.S1\_at | *SDC1* | *syndecan-1-like* | -1.23 | -1.07 | **-1.62** | -1.32 | 1.15 | -1.07 |
| Ssc.14306.1.S1\_at | *SECISBP2L* | *SECIS binding protein 2-like* | 1.07 | 1.15 | **1.74** | 1.15 | -1.15 | 1.15 |
| Ssc.3477.3.S1\_at | *SENP6* | *sentrin-specific protease 6-like* | -1.07 | 1.15 | **1.52** | 1.23 | -1.15 | 1.32 |
| Ssc.24958.1.A1\_at | *SFPQ* | *splicing factor proline/glutamine-rich* | -1.15 | 1.23 | **1.52** | -1.07 | -1.32 | 1.32 |
| Ssc.15501.1.S1\_at | *SGK3* | *C8orf44-SGK3 readthrough /// serum/glucocorticoid regulated kinase family, member 3* | -1.07 | 1.15 | **1.52** | 1.15 | -1.15 | 1.07 |
| Ssc.5072.2.S1\_at | *SGTA* | *small glutamine-rich tetratricopeptide repeat-containing protein alpha-like* | 1.15 | -1.41 | **-2.00** | -1.62 | 1.23 | 1.07 |
| Ssc.7229.1.S1\_at | *SH3BGRL* | *SH3 domain binding glutamate-rich protein like* | 1.32 | 1.41 | **1.52** | 1.23 | -1.07 | 1.15 |
| Ssc.26712.1.S1\_a\_at | *SHARPIN* | *WD repeat-containing protein KIAA1875-like /// sharpin-like* | 1.41 | -1.15 | **-1.52** | -1.52 | 1.15 | -1.23 |
| Ssc.16410.3.S1\_at | *SIGMAR1* | *sigma non-opioid intracellular receptor 1-like* | 1.74 | **-2.00** | **-1.87** | -1.74 | 1.52 | 1.23 |
| Ssc.21852.2.S1\_at | *SIL1* | *nucleotide exchange factor SIL1-like* | 1.41 | -1.23 | **-1.62** | -1.62 | 1.41 | 1.07 |
| Ssc.26916.1.A1\_at | *SIPA1L1* | *signal-induced proliferation-associated 1-like protein 1-like* | 1.15 | 1.00 | **-1.52** | -1.62 | 1.52 | 1.87 |
| Ssc.29495.1.A1\_at | *SLC16A7* | *solute carrier family 16 (monocarboxylate transporter), member 7* | 1.07 | 1.41 | **2.46** | 2.00 | -1.62 | 1.32 |
| Ssc.6273.1.A1\_at | *SLC25A38* | *solute carrier family 25, member 38* | 1.15 | -1.41 | **-1.52** | -1.15 | 1.07 | -1.32 |
| Ssc.18612.1.S1\_at | *SLC2A13* | *solute carrier family 2 (facilitated glucose transporter), member 13* | -1.07 | 1.41 | **1.52** | 1.15 | -1.15 | 1.07 |
| Ssc.24556.2.S1\_a\_at | *SLC35F5* | *solute carrier family 35 member F5-like* | -1.62 | 1.62 | **2.30** | 1.52 | 1.00 | 1.41 |
| Ssc.1913.1.A1\_at | *SLMO2* | *slowmo homolog 2 (Drosophila)* | -1.32 | **1.62** | **1.87** | 1.41 | -1.41 | 1.07 |
| Ssc.21734.1.S1\_at | *SMIM10L1* | *small integral membrane protein 10 like 1* | -1.07 | 1.07 | **1.52** | 1.41 | -1.23 | 1.07 |
| Ssc.13020.1.A1\_at | *SMIM15* | *small integral membrane protein 15* | -1.15 | 1.32 | **1.74** | 1.41 | -1.32 | 1.00 |
| Ssc.3927.3.S1\_at | *SMPD1* | *sphingomyelin phosphodiesterase 1, acid lysosomal* | 3.73 | **-2.30** | **-4.00** | -1.62 | 1.62 | 1.15 |
| Ssc.30922.1.A1\_at | *SNX14* | *sorting nexin 14* | 1.07 | 1.32 | **1.52** | 1.32 | -1.23 | 1.07 |
| Ssc.13295.1.A1\_at | *SNX25* | *sorting nexin 25* | -1.15 | 1.32 | **1.87** | 2.14 | -1.41 | 1.15 |
| Ssc.3706.1.S1\_at | *SOD2* | *superoxide dismutase 2, mitochondrial* | -1.74 | 1.32 | **2.64** | 4.59 | -1.15 | 1.07 |
| Ssc.4319.1.A1\_at | *SOSTDC1* | *sclerostin domain-containing protein 1-like* | -2.64 | **2.64** | -1.07 | -1.07 | 1.00 | 1.07 |
| Ssc.24929.1.S1\_at | *SP3* | *Sp3 transcription factor* | 1.07 | 1.23 | **1.52** | 1.07 | -1.15 | 1.23 |
| Ssc.26248.1.A1\_at | *SPA17* | *sperm surface protein Sp17-like* | -1.41 | **1.62** | 1.23 | 1.52 | 1.23 | -1.32 |
| Ssc.10276.1.A1\_at | *SRSF2IP* | *serine/arginine-rich splicing factor 2, interacting protein* | 1.00 | 1.23 | **1.52** | 1.32 | -1.32 | 1.00 |
| Ssc.13399.1.A1\_at | *SSLC12A1* | *solute carrier family 12 member 1-like* | -5.66 | **29.86** | 4.00 | 2.00 | 2.00 | 8.57 |
| Ssc.12086.2.S1\_at | *STK16* | *serine/threonine kinase 16* | 1.41 | -1.32 | **-1.52** | -1.23 | 1.32 | 1.00 |
| Ssc.5505.1.S1\_at | *SYNGR2* | *synaptogyrin 2* | 1.62 | -1.32 | **-1.52** | -1.15 | 1.23 | 1.07 |
| Ssc.14193.1.S1\_at | *TAF1D* | *TATA box binding protein associated factor 1D* | -1.23 | 1.32 | **1.52** | 1.15 | -1.15 | 1.23 |
| Ssc.19557.1.S1\_at | *TARBP2* | *RISC-loading complex subunit TARBP2-like* | -1.07 | **-2.46** | -1.62 | -1.32 | 1.32 | 1.00 |
| Ssc.15645.1.S1\_at | *TCEA2* | *transcription elongation factor A (SII), 2* | 1.87 | **-1.87** | -1.52 | -1.41 | 1.23 | 1.32 |
| Ssc.11559.2.A1\_at | *THBS3* | *thrombospondin 3* | -1.62 | -1.52 | **-1.62** | -2.30 | 1.07 | 1.00 |
| Ssc.2552.1.A1\_at | *THSD7A* | *thrombospondin type 1 domain containing 7A* | 1.07 | -1.32 | **1.62** | 1.52 | 1.15 | -2.14 |
| Ssc.24358.1.S1\_at | *TK1* | *thymidine kinase 1, soluble* | 1.52 | -1.32 | **-1.74** | -1.15 | 1.15 | 1.07 |
| Ssc.12809.5.A1\_at | *TLL2* | *tolloid like 2* | 2.00 | **-1.62** | **-2.00** | -1.62 | 1.00 | 1.00 |
| Ssc.12781.1.A2\_at | *TLR4* | *toll-like receptor 4* | -1.15 | 1.41 | **1.62** | 1.74 | 1.07 | 1.15 |
| Ssc.20231.1.S1\_at | *TMED9* | *transmembrane emp24 domain-containing protein 9-like* | 1.00 | -1.15 | **-1.52** | -1.32 | 1.15 | -1.23 |
| Ssc.21667.1.A1\_at | *TMEM154* | *transmembrane protein 154* | -2.64 | 2.46 | **3.03** | 3.03 | -1.52 | -1.07 |
| Ssc.17364.1.S1\_at | *TMEM158* | *transmembrane protein 158 (gene/pseudogene)* | 2.00 | -1.15 | **-1.52** | 1.41 | -1.07 | -1.32 |
| Ssc.7311.1.A1\_at | *TMEM161B* | *transmembrane protein 161B* | -1.52 | 1.00 | **1.52** | 1.62 | -1.23 | 1.32 |
| Ssc.4216.2.S1\_at | *TMEM189-UBE2V1 /// UBE2V1* | *TMEM189-UBE2V1 readthrough /// ubiquitin conjugating enzyme E2 variant 1* | 1.23 | -1.32 | **-1.74** | -1.62 | 1.32 | 1.00 |
| Ssc.8940.1.A1\_at | *TMEM43* | *transmembrane protein 43-like* | 1.00 | -1.23 | **-1.52** | -1.32 | 1.32 | 1.07 |
| Ssc.30503.1.A1\_at | *TMEM64* | *transmembrane protein 64* | -1.15 | 1.23 | **1.74** | 1.00 | -1.15 | -1.07 |
| Ssc.16363.1.S2\_at | *TMOD3* | *tropomodulin 3 (ubiquitous)* | -1.23 | 1.41 | **1.52** | 1.32 | -1.07 | 1.07 |
| Ssc.12829.1.A1\_at | *TNFSF10* | *Tumor necrosis factor (ligand) superfamily, member 10* | -1.07 | 1.00 | **2.14** | 1.41 | -2.30 | 1.15 |
| Ssc.10883.1.S1\_at | *TNRC6A* | *trinucleotide repeat containing 6A* | -1.07 | 1.15 | **1.52** | 1.00 | -1.15 | 1.15 |
| Ssc.13606.1.A1\_at | *TRPM7* | *Similar to transient receptor potential cation channel, subfamily M, member 7* | 1.07 | 1.41 | **1.62** | 1.23 | -1.32 | 1.15 |
| Ssc.21942.2.S1\_at | *TSKU* | *tsukushin-like* | 1.23 | **-1.74** | -2.14 | -1.23 | 1.07 | -1.07 |
| Ssc.6783.1.S1\_at | *TSPAN12* | *tetraspanin-12-like* | 1.07 | **1.62** | **1.74** | 1.52 | -1.52 | -1.07 |
| Ssc.26272.1.S1\_at | *TSPAN9* | *tetraspanin 9* | 1.32 | -1.15 | **-1.62** | -1.62 | 1.15 | 1.41 |
| Ssc.31113.1.S1\_at | *TTC14* | *tetratricopeptide repeat domain 14* | 1.00 | 1.23 | **1.62** | 1.15 | -1.52 | 1.15 |
| Ssc.24042.1.S1\_at | *TTC28* | *tetratricopeptide repeat domain 28* | -7.46 | 13.00 | **22.63** | 11.31 | -1.07 | -6.06 |
| Ssc.10115.2.S1\_at | *TUBB3* | *tubulin beta chain-like* | 1.00 | -1.32 | **-1.52** | -1.23 | 1.23 | 1.00 |
| Ssc.3737.1.S1\_at | *TUBG1* | *tubulin gamma-1 chain-like* | 1.41 | -1.32 | **-1.52** | -1.41 | 1.15 | 1.00 |
| Ssc.21114.1.S1\_at | *TWF1* | *twinfilin-1-like* | -1.15 | 1.23 | **1.52** | 1.15 | -1.15 | 1.07 |
| Ssc.6696.1.S1\_at | *TXN* | *thioredoxin* | -1.41 | 1.32 | **1.62** | 1.32 | 1.00 | 1.00 |
| Ssc.27540.2.S1\_at | *UBE2C* | *ubiquitin-conjugating enzyme E2C* | 1.07 | -1.07 | **-1.52** | -1.23 | 1.23 | -1.41 |
| Ssc.16974.2.S1\_a\_at | *UBE2M* | *ubiquitin-conjugating enzyme E2M* | 1.15 | **-1.62** | -1.41 | -1.23 | 1.15 | -1.07 |
| Ssc.14244.1.A1\_at | *UBR1* | *e3 ubiquitin-protein ligase UBR1-like* | 1.00 | 1.07 | **1.52** | 1.52 | -1.41 | 1.00 |
| Ssc.2073.1.A1\_at | *UCHL1* | *ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)* | 1.41 | -1.23 | **-1.62** | 1.00 | 1.00 | -1.23 |
| Ssc.6338.2.S1\_at | *USP1* | *ubiquitin specific peptidase 1* | 1.00 | 1.32 | **1.52** | -1.07 | -1.15 | 1.23 |
| Ssc.24277.1.S1\_at | *USP45* | *ubiquitin specific peptidase 45* | 1.62 | 1.32 | **1.74** | -1.07 | -1.41 | 1.32 |
| Ssc.10129.1.S1\_at | *USP47* | *ubiquitin specific peptidase 47* | -1.32 | 1.32 | **1.62** | 1.23 | -1.32 | 1.07 |
| Ssc.26533.1.A1\_at | *USP53* | *ubiquitin specific peptidase 53* | -1.41 | 1.15 | **1.87** | 1.15 | -1.07 | -1.07 |
| Ssc.14281.3.A1\_at | *WBP1L* | *WW domain binding protein 1-like* | 1.23 | **-1.62** | -1.52 | 1.00 | -1.32 | -1.07 |
| Ssc.17192.2.S1\_at | *WDR1* | *WD repeat domain 1* | 1.07 | -1.07 | **-1.52** | 1.00 | 1.15 | -1.07 |
| Ssc.2376.1.S1\_at | *WDR18* | *WD repeat domain 18* | 1.32 | -1.52 | **-1.52** | -1.32 | 1.15 | -1.32 |
| Ssc.3884.1.S1\_at | *WDR34* | *WD repeat-containing protein 34-like* | 1.23 | -1.41 | **-1.74** | -1.32 | 1.32 | 1.00 |
| Ssc.24595.1.S1\_at | *WNT5A* | *protein Wnt-5b-like* | -1.07 | -1.74 | **-1.74** | -2.00 | 1.62 | -1.23 |
| Ssc.15142.1.A1\_at | *WWP2* | *WW domain containing E3 ubiquitin protein ligase 2* | 1.00 | -1.23 | **-1.52** | -1.74 | 1.32 | 1.00 |
| Ssc.6667.1.A1\_at | *XIST* | *X inactive specific transcript (non-protein coding)* | -1.41 | **2.14** | **2.46** | 1.52 | -1.62 | 1.62 |
| Ssc.1140.1.S1\_at | *YEATS4* | *YEATS domain containing 4* | -1.15 | **1.52** | **1.52** | 1.52 | -1.15 | -1.07 |
| Ssc.6801.1.S1\_at | *YES1* | *YES proto-oncogene 1, Src family tyrosine kinase* | -1.07 | **1.74** | **1.87** | 1.52 | -1.15 | 1.07 |
| Ssc.27560.1.S1\_at | *ZBTB37* | *zinc finger and BTB domain containing 37* | -1.07 | 2.00 | **2.14** | 1.41 | -1.15 | -1.07 |
| Ssc.1333.1.A1\_at | *ZCCHC11* | *zinc finger, CCHC domain containing 11* | 1.15 | 1.07 | **1.62** | 1.15 | -1.15 | 1.15 |
| Ssc.5201.1.A1\_at | *ZFC3H1* | *zinc finger, C3H1-type containing* | 1.23 | 1.15 | **1.52** | 1.07 | -1.41 | 1.62 |
| Ssc.3599.1.S1\_at | *ZFP91* | *ZFP91 zinc finger protein* | 1.07 | 1.07 | **1.52** | 1.15 | -1.15 | 1.23 |
| Ssc.10598.1.A1\_at | *ZFYVE16* | *zinc finger, FYVE domain containing 16* | 1.07 | 1.15 | **1.62** | 1.32 | -1.32 | 1.23 |
| Ssc.30158.1.A1\_at | *ZNF184* | *Similar to zinc finger protein 184* | 1.07 | 1.15 | **1.52** | 1.74 | -1.15 | 1.07 |
| Ssc.19284.1.A1\_at | *ZNF252P* | *zinc finger protein 252, pseudogene* | -1.41 | 1.23 | **1.62** | 1.15 | -1.23 | 1.00 |
| Ssc.19217.1.A1\_at | *ZNF280C* | *zinc finger protein 280C* | 1.23 | 1.41 | **1.62** | 1.15 | -1.32 | 1.32 |
| Ssc.7514.1.A1\_at | *ZNF485* | *zinc finger protein 485* | 1.15 | 1.15 | **1.52** | 1.07 | -1.07 | 1.32 |
| Ssc.22198.1.A1\_at | *ZNF548* | *zinc finger protein 548* | -3.25 | **4.59** | 3.73 | 1.87 | 1.00 | -2.14 |
| Ssc.5493.1.S1\_at | *ZZZ3* | *zinc finger, ZZ-type containing 3* | -1.07 | 1.23 | **1.52** | 1.32 | -1.23 | 1.00 |