**Supplementary Table 3:** Effect of 5 nmol/l and 500 nmol/l CCL25 on TNF α stimulated 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.10316.1.S1\_at | *ACTB* | *actin, gamma-enteric smooth muscle-like* | 2.30 | -1.52 | -2.64 | 2.00 | 1.00 | **-1.52** |
| Ssc.719.1.S1\_at | *AMCF-II* | *alveolar macrophage-derived chemotactic factor-II* | -13.00 | -1.41 | -1.41 | 2.00 | **-2.64** | -1.41 |
| Ssc.4135.2.A1\_at | *AP1S2* | *adaptor-related protein complex 1 sigma 2 subunit* | 8.57 | -1.52 | -1.32 | 1.62 | **-1.62** | -1.07 |
| Ssc.2592.1.A1\_at | *APC* | *adenomatous polyposis coli* | -1.07 | 1.00 | 1.00 | 1.23 | **-1.52** | -1.23 |
| Ssc.27794.1.S1\_at | *ARPC4-TTLL3* | *ARPC4-TTLL3 readthrough /// tubulin tyrosine ligase-like family member 3* | 1.23 | -1.23 | 1.00 | -1.32 | 1.23 | **1.62** |
| Ssc.9577.1.S1\_at | *ATXN7* | *ataxin 7* | 1.00 | 1.15 | 1.15 | 1.15 | **-1.52** | 1.00 |
| Ssc.25797.1.S1\_at | *BMP1* | *Bone morphogenetic protein 1* | 1.00 | -1.15 | -1.15 | -1.32 | **1.52** | -1.07 |
| Ssc.6603.3.S1\_at | *BSCL2* | *Berardinelli-Seip congenital lipodystrophy 2 (seipin)* | -1.23 | 2.14 | 1.52 | 1.32 | -8.57 | **-21.11** |
| Ssc.7195.1.A1\_at | *BUB1* | *budding uninhibited by benzimidazoles 1 homolog (yeast)* | 1.41 | -1.15 | 1.00 | 1.41 | 1.23 | **-7.46** |
| Ssc.657.1.A1\_at | *CCL2* | *chemokine (C-C motif) ligand 2* | -8.00 | 1.07 | 1.32 | 4.29 | 1.07 | **-1.52** |
| Ssc.25201.1.A1\_at | *CCNT2* | *cyclin T2* | 1.23 | 1.32 | 1.32 | 1.07 | **-1.52** | 1.15 |
| Ssc.9743.1.A1\_at | *CD209* | *CD209 molecule* | 2.30 | -1.15 | 1.00 | -1.32 | **1.52** | 1.07 |
| Ssc.19688.1.S1\_at | *CHRNA1* | *cholinergic receptor, nicotinic, alpha 1 (muscle)* | -1.23 | -1.07 | -1.15 | -3.48 | **1.62** | 1.32 |
| Ssc.8335.1.S1\_at | *CLDN11* | *Claudin 11* | 3.03 | -1.23 | -1.87 | -1.07 | -1.07 | **-2.00** |
| 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.22235.1.A1\_at | *COPS2* | *COP9 signalosome subunit 2* | 1.07 | 1.32 | 1.32 | 1.23 | **-1.52** | 1.07 |
| Ssc.8475.1.A1\_at | *CPSF6* | *cleavage and polyadenylation specific factor 6* | 1.87 | 1.23 | 1.32 | 1.00 | **-1.62** | 1.23 |
| Ssc.29226.1.S1\_at | *DCLK1* | *doublecortin-like kinase 1* | 1.15 | 1.23 | 1.23 | 1.41 | **-1.52** | -1.15 |
| Ssc.5668.1.S1\_at | *DMXL1* | *Dmx-like 1* | 1.23 | -1.15 | 1.41 | 1.23 | **-1.74** | 1.07 |
| Ssc.8865.2.S1\_at | *DUSP6* | *dual specificity phosphatase 6* | -7.46 | 14.93 | 16.00 | 5.66 | **2.00** | 1.23 |
| Ssc.23854.1.S1\_at | *EEA1* | *early endosome antigen 1* | -1.07 | 1.23 | 1.41 | 1.32 | **-2.46** | 1.00 |
| Ssc.27612.1.S1\_at | *EIF1AD* | *probable RNA-binding protein EIF1AD-like* | -1.32 | -1.15 | -1.07 | -1.15 | **2.00** | 1.52 |
| Ssc.25832.1.S1\_at | *ESF1* | *ESF1 homolog* | -1.15 | -1.15 | 1.74 | 1.32 | **-1.62** | -1.07 |
| Ssc.1089.1.S1\_at | *FABP4* | *fatty acid binding protein 4, adipocyte* | 2.46 | 1.00 | -1.32 | 1.00 | 1.23 | **-1.62** |
| Ssc.27458.1.A1\_at | *FAIM* | *Fas apoptotic inhibitory molecule* | -1.23 | 1.32 | 1.32 | 1.23 | **-1.52** | -1.23 |
| Ssc.19554.3.S1\_at | *FLAD1* | *FAD1 flavin adenine dinucleotide synthetase homolog (S. cerevisiae)* | 1.07 | -1.41 | -1.07 | -2.00 | **1.74** | 1.41 |
| Ssc.5580.1.S1\_at | *FN1* | *Fibronectin* | -1.41 | 1.00 | 1.23 | 1.41 | **-1.62** | 1.23 |
| Ssc.22058.1.A1\_at | *FNDC3B* | *fibronectin type III domain containing 3B* | 1.41 | -1.07 | 1.23 | 1.07 | 1.74 | **1.52** |
| 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.9062.1.A1\_at | *FOSB* | *FBJ murine osteosarcoma viral oncogene homolog B* | 9.85 | -2.00 | 1.32 | -6.50 | **27.86** | 6.96 |
| Ssc.28993.1.S1\_s\_at | *FZD1* | *frizzled class receptor 1* | 1.32 | -1.15 | -1.15 | 1.00 | 1.00 | **-1.52** |
| Ssc.14527.1.S1\_at | *GAD2* | *glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)* | -2.83 | 11.31 | 2.14 | 13.93 | **-6.06** | -21.11 |
| Ssc.8825.1.A1\_at | *GTF2H3* | *general transcription factor IIH, polypeptide 3, 34kDa* | -1.23 | 1.00 | 1.15 | 1.32 | **-1.62** | 1.00 |
| Ssc.18553.1.S1\_at | *HLA-E* | *major histocompatibility complex, class I, E* | -1.15 | -1.07 | 1.00 | 1.74 | **1.52** | 1.23 |
| Ssc.11269.1.A1\_at | *IER2* | *immediate early response gene 2 protein-like* | 1.15 | 1.00 | 1.41 | 1.41 | **1.52** | 1.15 |
| Ssc.20101.1.S1\_at | *IFI6* | *interferon, alpha-inducible protein 6* | 2.00 | 1.23 | 1.00 | 1.87 | **1.52** | 1.00 |
| Ssc.16359.2.S1\_s\_at | *IGG2B* | *Ig gamma 2b chain constant region* | 1.15 | -1.07 | 1.00 | -1.62 | **2.46** | 1.87 |
| Ssc.658.1.S1\_at | *IL8* | *interleukin 8* | -1.32 | -13.00 | -1.41 | 1.15 | **-4.00** | **-9.85** |
| 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 |
| Ssc.24507.1.S1\_at | *ITPK1* | *inositol 1,3,4-triphosphate 5/6 kinase /// inositol-tetrakisphosphate 1-kinase-like* | -1.74 | 1.23 | -5.66 | -1.87 | 2.30 | **3.03** |
| Ssc.25140.1.A1\_at | *KIAA0907* | *UPF0469 protein KIAA0907-like* | -1.23 | 1.15 | 1.23 | -1.23 | -1.07 | **1.87** |
| Ssc.21418.1.S1\_at | *LAPTM4B* | *lysosomal protein transmembrane 4 beta* | -1.41 | 1.41 | 1.23 | 1.41 | -1.15 | **-1.52** |
| 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.11714.1.S1\_at | *LYRM2* | *LYR motif-containing protein 2-like* | 1.07 | 1.07 | 1.41 | 1.15 | **-1.74** | -1.07 |
| Ssc.18210.1.S1\_at | *MADD* | *MAP kinase-activating death domain protein-like* | -1.62 | 1.07 | -1.15 | -1.07 | 1.32 | **2.00** |
| Ssc.13375.1.A1\_at | *MAP2* | *microtubule associated protein 2* | 1.23 | 1.15 | 1.23 | 1.23 | **-1.52** | 1.00 |
| Ssc.29716.1.A1\_at | *MCTP1* | *multiple C2 domains, transmembrane 1* | 1.62 | 1.23 | 1.41 | 1.32 | **-1.74** | 1.00 |
| 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.20347.1.S1\_at | *NEMP2* | *nuclear envelope integral membrane protein 2* | -1.07 | 1.32 | 1.23 | 1.32 | **-1.62** | -1.15 |
| Ssc.26343.1.S1\_at | *NGB* | *neuroglobin* | -1.32 | -1.23 | -1.32 | -1.41 | 1.62 | **1.62** |
| Ssc.27417.3.S1\_a\_at | *OGT* | *O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)* | 1.00 | 1.07 | 1.41 | 1.32 | -1.41 | **1.52** |
| Ssc.7449.1.A1\_at | *PAXBP1* | *GC-rich sequence DNA-binding factor 1-like* | -1.15 | 1.32 | 1.41 | 1.00 | -1.23 | **1.62** |
| Ssc.8241.1.A1\_at | *PDP1* | *pyruvate dehyrogenase phosphatase catalytic subunit 1* | -1.15 | 1.23 | 1.23 | 1.15 | **-1.62** | 1.32 |
| Ssc.19518.2.S1\_at | *PLCD1* | *phospholipase C, delta 1* | -1.07 | -1.23 | -1.41 | -1.74 | **1.52** | 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.8162.2.S1\_at | *PTX3* | *pentraxin 3, long* | 1.15 | -1.52 | -1.15 | -1.23 | -1.23 | **-1.52** |
| Ssc.19632.1.S1\_at | *PUS10* | *pseudouridylate synthase 10* | 1.07 | 1.41 | 1.41 | 1.32 | **-1.52** | -1.07 |
| Ssc.2019.2.S1\_at | *RHOF* | *ras homolog gene family, member F (in filopodia)* | 1.52 | -1.62 | 1.07 | -3.03 | 1.87 | **5.28** |
| Ssc.2947.1.S1\_at | *RPS6KA1* | *ribosomal protein S6 kinase, 90kDa, polypeptide 1* | 1.41 | -1.41 | -1.32 | -1.87 | **1.74** | 1.23 |
| Ssc.4275.1.A1\_at | *SACM1L* | *SAC1 suppressor of actin mutations 1-like (yeast)* | 1.00 | 1.23 | 1.15 | 1.15 | **-1.52** | -1.07 |
| Ssc.25111.1.A1\_at | *SBNO1* | *strawberry notch homolog 1 (Drosophila)* | -1.07 | 1.15 | 1.23 | 1.62 | **-1.74** | 1.23 |
| 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.19427.2.S1\_at | *SLC39A14* | *solute carrier family 39 (zinc transporter), member 14* | -1.62 | 1.62 | 1.62 | 1.52 | **-1.62** | -1.07 |
| Ssc.19684.1.S1\_at | *SNAI1* | *SNAIL-like zinc finger protein* | -3.48 | 1.62 | 1.87 | 1.23 | **1.52** | 1.23 |
| Ssc.4160.1.A1\_at | *SRSF10* | *serine/arginine-rich splicing factor 10* | 1.07 | 1.32 | 1.41 | 1.32 | **-1.52** | 1.00 |
| Ssc.23794.1.S1\_at | *TGFBR1* | *transforming growth factor, beta receptor 1* | 1.00 | 1.32 | 1.52 | -1.07 | 1.62 | **1.74** |
| Ssc.25837.1.S1\_a\_at | *THOC2* | *THO complex 2* | 2.00 | 1.23 | 1.15 | 1.41 | **-2.46** | 1.07 |
| Ssc.18123.1.A1\_at | *TMCC1* | *transmembrane and coiled-coil domain family 1* | 1.00 | 1.07 | 1.00 | 1.23 | 1.00 | **-1.52** |
| Ssc.13754.1.A1\_at | *TMX3* | *thioredoxin-related transmembrane protein 3* | 1.15 | 1.23 | 1.07 | 1.15 | **-1.52** | 1.07 |
| Ssc.17276.2.S1\_at | *TRMT6* | *tRNA methyltransferase 6 homolog (S. cerevisiae)* | -2.14 | 1.52 | 1.32 | 1.15 | **-1.62** | -1.32 |
| Ssc.14269.1.A1\_at | *TSHZ2* | *teashirt zinc finger homeobox 2* | 1.15 | -1.15 | 1.00 | 1.00 | **-1.62** | 1.23 |
| Ssc.6783.1.S1\_at | *TSPAN12* | *tetraspanin-12-like* | 1.07 | 1.62 | 1.74 | 1.52 | **-1.52** | -1.07 |
| Ssc.31113.1.S1\_at | *TTC14* | *tetratricopeptide repeat domain 14* | 1.00 | 1.23 | 1.62 | 1.15 | **-1.52** | 1.15 |
| Ssc.640.1.S1\_at | *TTR* | *transthyretin* | 1.00 | -1.32 | -3.48 | -1.15 | **2.14** | 1.52 |
| Ssc.29104.1.S1\_at | *U2SURP* | *U2 snRNP-associated SURP domain containing* | 1.00 | 1.07 | 1.52 | 1.07 | **-1.52** | 1.07 |
| Ssc.25638.1.S1\_at | *UBE4A* | *ubiquitin conjugation factor E4 A-like* | 1.41 | -1.32 | -1.74 | 1.00 | **-1.62** | -1.41 |
| Ssc.21896.1.S1\_at | *WDR81* | *WD repeat domain 81* | 1.15 | -1.23 | 1.07 | -1.41 | **1.52** | 1.23 |
| 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.5201.1.A1\_at | *ZFC3H1* | *zinc finger, C3H1-type containing* | 1.23 | 1.15 | 1.52 | 1.07 | -1.41 | **1.62** |
| Ssc.3411.1.A1\_at | *ZFP36* | *zinc finger protein 36, C3H type, homolog (mouse)* | -1.15 | -1.07 | 1.41 | 1.07 | **1.62** | 1.32 |
| Ssc.23838.1.A1\_at | *ZRANB2* | *zinc finger, RAN-binding domain containing 2* | 1.23 | 1.52 | 1.32 | 1.41 | **-1.87** | 1.00 |