**Table S1. Primer sequences for RT-PCR**

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| Cytokine  |  Accession  | 　 Forward | 　 Reverse |
| angiopoietin 1(AGPT1) | NM\_009640 | TACAAAGACGATGACGACAAGGAC | AGGGTTAGGGATAGGCTTACCTTC |
| angiopoietin 2(AGPT2) | NM\_007426 | AGCAGATTT TGGATCAGACCAG | GCTCCTTCATGGACTGTAGCTG |
| bone morphogenetic protein 2(BMP2) | NM\_007553 | TGAGGATTAGCAGGTCTTTG　 | CACAACCATGTCCTGATAAT　 |
| bone morphogenetic protein 4(BMP4) | NM\_007554 | CTGGCCCGGAAGCTAGGTGAGTT | GAGGGCCAGAGACTGGATCGC |
| colony stimulating factor 1(CSF1) | NM\_007778  | GCCAGCTCCCTGCCCCAGAGCTTC | GTGTGTCCAAGGTGGGACCCAACT |
| fibroblast growth factor 1(FGF1) | NM\_010197 | ATGATGACGACGACGATGA | CTACGGTTTGGTTTGGTGTTG |
| fibroblast growth factor 2(FGF2) | NM\_008006 | AGCGACCCACACGTCAAACTAC | CAGCCGTCCATCTTCCTTCATA |
| glyceraldehyde-3-phosphate dehydrogenase(GAPDH) | NM\_008084 | GCCTCAACGACCCCTTCAT  | ATGTTTGTGATGGGTGTGAA |
| green fluorescent protein(GFP) | EU056359 | GTTGGAGAAGGTGGAACCAACTC | AGGGTGTCGCCCTCGAA |
| H2Kd | J00393 | GCCTCAGGACATATTAATCTCTGGAG | GCTGATCTCTGAATTCTGCATGC |
| hepatocyte growth factor(HGF) | NM\_001289458 | TAGGAGCCACAAGGATCTGG | ACATGAAGCAGGAGGAGGTG |
| insulin-like growth factor 1（IGF1） | NM\_010512 | CAAAAGCAGCCCGCTCTA | TCGATAGGGACGGGGACT |
| integrin(Itgβ1) | NM\_010578 | CCATGCTTGAGATAGGAACCAG　 | TTCAAGTCGGGATGTTTGATTT |
| interleukin 1（IL1） | NM\_010554 | TTGTGCCAAGTCTGGAGATG | TTCTCAGAGCGGATGAAGGT |
| interleukin 6（IL6） | NM\_031168 | GCTACCAAACTGGATATAATCAGGA | CCAGGTAGCTATGGTACTCCAGAA |
| matrix metallopeptidase2(MMP2) | NM\_008610 | GCAGATCTCAGGAGTGACAGG | GATGGCACCCATTTACACCTA　 |
| matrix metallopeptidase 9(MMP9) | NM\_013599 | GCGTCGTGATCCCCACTTAC | CAGGCCGAATAGGAGCGTC |
| nerve growth factor(NGF) | NM\_013609 | CTTCTTGGGACTGATG | CTCATTTCCACGATTT |
| platelet derived growth factor-BB(PDGF-BB) | NM\_011057 | ATCGCCGAGTGCAAGACGCG | AAGCACCATTGGCCGTCCGA |
| transforming growth factor(TGFβ) | NM\_011577 | CTCCCGTGGCTTCTAGTGC | GCCTTAGTTTGGACAGGATCTG |
| tissue inhibitor of metalloproteinase 1(TIMP1) | NM\_001044384 | TACACCCCAGTCATGGAAAGC | CGGCCCGTGATGAGAAACT |
| tissue inhibitor of metalloproteinase 2(TIMP2) | NM\_011594 | GGACCCGAGAAGACCTCCTT | GCACATCACTCAGAATTTCAATGG |
| tumor necrosis factor(TNF) | NM\_013693 | TTCTCATTCCTGCTTGTG　 | TTGGTGGTTTGCTACG |
| vascular endothelial growth factor(VEGF) | NM\_001287056  | TGCACCCACGACAGAAGG | GCACACAGGACGGCTTGA |