**Supplementary table 1**. Primer sequences for RT-qPCR.

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| **Genes** | **Primer sequences** |
| **Mouse species** |
| IL-6  | Forward: 5’-ATAGTCCTTCCTACCCCAATTTCC-3’ Reverse: 5’-GATGAATTGGATGGTCTTGGTCC-3’ |
| IL-18 | Forward: 5’-TGGCCGACTTCACTGTACAAC-3’ Reverse: 5’-TGGGGTTCACTGGCACTTTG-3’ |
| IL-1β | Forward: 5’-TGGAGAGTGTGGATCCCAAG-3’ Reverse: 5’-GGTGCTGATGTACCAGTTGG-3’ |
| TNFα | Forward: 5’-CTGAACTTCGGGGTGATCGG-3’ Reverse: 5’-GGCTTGTCACTCGAATTTTGAGA-3’ |
| CD86 | Forward: 5’-CTGCTCATCATTGTATGTCAC-3’ Reverse: 5’-ACTGCCTTCACTCTGCATTTG-3’ |
| iNOS | Forward: 5’-CACCAAGCTGAACTTGAGCG-3’Reverse: 5’-CGTGGCTTTGGGCTCCTC-3’ |
| CD206 | Forward: 5’-AGACGAAATCCCTGCTACTG-3’ Reverse: 5’-CACCCATTCGAAGGCATTC-3’ |
| CD163 | Forward 5’-CGTGTGCAGTGTCCAAAAGG-3’ Reverse 5’-CACAAACCAAGAGTGCCGTG-3’ |
| IL-10 | Forward 5’-GAGAAGCATGGCCCAGAAATC-3’Reverse 5’-GAGAAATCGATGACAGCGCC-3’ |
| LC3A | Forward: 5’-ACAGCATGGTGAGCGTCTC-3’ Reverse: 5’-AGGTTTCTTGGGAGGCGTAG-3’ |
| LC3B | Forward: 5’-GATAATCAGACGGCGCTTGC-3’ Reverse: 5’-TCTCACTCTCGTACACTTCGG-3’ |
| ATG5 | Forward: 5’-GATGCGGTTGAGGCTCAC-3’ Reverse: 5’-CTGTCATTCTGCAGTCCCATC-3’ |
| ATG7 | Forward: 5’-AGCCTGTTCACCCAAAGTTC-3’ Reverse: 5’-CATGTCCCAGATCTCAGCAG-3’ |
| P62 | Forward: 5’-AGCTGCTCTTCGGAAGTCAG-3’ Reverse: 5’-CTCCATCTGTTCCTCTGGCTG-3’ |
| BMP2 | Forward: 5’-GCTCCACAAACGAGAAAAGC-3’ Reverse: 5’-AGCAAGGGGAAAAGGACACT-3’ |
| TGFβ1 | Forward: 5'- CAGTACAGCAAGGTCCTTGC-3' Reverse: 5'- ACGTAGTAGACGATGGGCAG-3' |
| VEGFA | Forward: 5’-GTCCCATGAAGTGATCAAGTTC-3’ Reverse: 5’-TCTGCATGGTGATGTTGCTCTCTG-3’ |
| TRAP | Forward: 5’-CACTCCCACCCTGAGATTTGT-3’ Reverse: 5’-CATCGTCTGCACGGTTCTG-3’ |
| CTSK | Forward: 5’-CTGGAGGGCCAACTCAAGAA-3’ Reverse: 5’-TCCGTTCTGCTGCACGTATT-3’ |
| COL1 | Forward: 5’-CTCCGGCTCCTGCTCCTCTTA-3’Reverse: 5’-ACCAGGAAGTCCAGGCTGTC-3’ |
| OCN | Forward: 5′-CCGGGAGCAGTGTGAGCTTA-3′Reverse: 5′-AGGCGGTCTTCAAGCCATACT-3′ |
| OPG | Forward: 5’-CCTAAAGCGTTAACCCCGGA-3’ Reverse: 5’-AACAGGAAGTATGCCCTGCC-3’ |
| ALP | Forward: 5′-GGGCCTGCTCTGTTTCTTCA-3′Reverse: 5′-CTGAGATTCGTCCCTCGCTG-3′ |
| OSX | Forward: 5′-CCCTTCTCAAGCACCAATGG-3′Reverse: 5′-AGGGTGGGTAGTCATTTGCATAG-3′ |
| RUNX2 | Forward: 5′-AAATGCCTCCGCTGTTATGAA-3′Reverse: 5′-GCTCCGGCCCACAAATCT-3′ |
| GAPDH | Forward: 5’-TGACCACAGTCCATGCCATC-3’Reverse: 5’-GACGGACACATTGGGGGTAG-3’ |
| **Human species** |
| VEGFA | Forward: 5’-TTAAACGAACGTACTTGCAGATG-3’Reverse: 5’-GAGAGATCTGGTTCCCGAAA-3’ |
| vWF | Forward: 5’-CCCCTGAAGCCCCTCCTCCTA-3’Reverse: 5’-ACGAACGCCACATCCAGAACC-3’ |
| eNOS | Forward: 5’-TCTTCCTGGACATCACCTCC-3’Reverse: 5’-CTTCCACTCCTCGTAGCGTC-3’ |
| PECAM | Forward: 5’-CAACGAGAAAATGTCAGA-3’Reverse: 5’-GGAGCCTTCCGTTCTAGAGT-3’ |
| ANG-1 | Forward: 5’-GTGCTGGGTCTGGGTCTGAC-3’Reverse: 5’-GGCCTTGATGCTGCGCTTG-3’ |
| FGF | Forward: 5’-CTGTACTGCAAAAACGGG-3’Reverse: 5’-AAAGTATAGCTTTCTGCC-3’ |
| BMP2 | Forward: 5’-TGGCCCACTTGGAGGAGAAACA-3’ Reverse: 5’-CGCTGTTTGTGTTTGGCTTGACG-3’ |
| GAPDH | Forward: 5′-CGGAGTCAACGGATTTGGTCGTAT-3’Reverse: 5′-AGCCTTCTCCATGGTGGTGAAGAC-3’ |