**Supplementary file 1. qRT-PCR primer sequences**

|  |  |  |
| --- | --- | --- |
| **Primer name** | **Forward primer** | **Reverse primer** |
| Human*SPARC* | TGAGGTATCTGTGGGAGCTAATC | CCTTGCCGTGTTTGCAGTG |
| Human*COL3A1* | GGAGCTGGCTACTTCTCGC | GGGAACATCCTCCTTCAACAG |
| Human*SPP1* | CTCCATTGACTCGAACGACTC | CAGGTCTGCGAAACTTCTTAGAT |
| Human*OCN* | CACTCCTCGCCCTATTGGC | CCCTCCTGCTTGGACACAAAG |
| Human*RUNX2* | GGAGTGGACGAGGCAAGAGTTT | AGCTTCTGTCTGTGCCTTCTGG |
| Mouse*Sparc* | ACCCCCGGCAATTTCATGG | TGTCTTCCCAGCTCTTGATGTAA |
| Mouse*Runx2* | TCCACAAGGACAGAGTCAGATTACAG | CAGAAGTCAGAGGTGGCAGTGTCATC |
| Mouse*Col1a1* | GCGCTAAAGGTGCCAATG | AGCACCAGGTTCACCACTG |
| Mouse*Col1a2* | TCGTGCCTAGCAACATGCC | TTTGTCAGAATACTGAGCAGCAA |
| Mouse*Bglap* | CTGACCTCACAGATCCCAAGC | TGGTCTGATAGCTCGTCACAAG |