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

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| **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 |