

Table S1: Sequences of the primers used for qPCR.

Gene	Primer sequences
<i>Alpl</i>	Forward: 5'-CCTTGAAAAATGCCCTGAAA-3' Reverse: 5'-CTTGAGAGAGCCACAAAGG-3'
<i>Col1a1</i>	Forward: 5'-TGGCCCCATTGGTAACGTTGGT-3' Reverse: 5'-AGGACCTTGTTTGCCGGGTTC-3'
<i>Runx2</i>	Forward: 5'-TCTGCCGAGCTACGAAATGCCT-3' Reverse: 5'-TGAAACTCTTGCCTCGTCCGCT-3'
<i>Bglap</i>	Forward: 5'-CATGAGGACCCTCTCTCTGC-3' Reverse: 5'-TGGACATGAAGGCTTTGTCA-3'
<i>Pgc1a</i>	Forward: 5'-GACAGGTGCCTTCAGTTCAC-3' Reverse: 5'-CAACCAGAGCAGCACACTCTA-3'
<i>Sod2</i>	Forward: 5'-TTAACGCGCAGATCATGCA-3' Reverse: 5'-GGTGGCGTTGAGATTGTTCA-3'
<i>Tfam</i>	Forward: 5'-CATAGGCACCGTATTGCGTG-3' Reverse: 5'-TCGGAATACAGACAAGACTGATAGA-3'
<i>Actb</i>	Forward: 5'-GCCCTGAGGCTCTTTTCCAG-3' Reverse: 5'-TGCCACAGGATTCCATACCC-3'