**Supplementary File 2. Gene primer sequences used in relative mRNA expression analysis.**

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| **Gene** | **Primer sequence** |
| DCN | F: CATCCAGGTTGTCTACCTTCATAACA R: CCAGGTGGGCAGAAGTCATT |
| FMOD | F: CTTGGCTCCAGACCCTGAAA  R: TGCCCCTCGCGTCAGA |
| BGN | F: TCACCTTCCAGCCCCTAGAGT  R: AGAAGCAGCCCCTCCTCAA |
| COMP | F: GGTGCGGCTGCTATGGAA  R: CCAGCTCAGGGCCCTCAT |
| COL1A1 | F: GACTGGCAACCTCAAGAAGG  R: CAATATCCAAGGGAGCCACA |
| COL1A2 | F: GCACATGCCGTGACTTGAGA  R: CATCCATAGTGCATCCTTGATTAGG |
| COL3A1 | F: ACGCAAGGCCGTGAGACTA  R: TGATCAGGACCACCAACATCA |
| TGFB1 | F: CCCTGCCCCTACATTTGGA  R: CGGGTTGTGCTGGTTGTACA |
| GAPDH | F: GCATCGTGGAGGGACTCA  R: GCCACATCTTCCCAGAGG |
| RPS20 | F: TTTGGAGAAGGTGTGTGCTGA  R: GTCTTGGTGGGCATCCGAA |