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

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| **Gene** | **Primer sequence** |
| DCN | F: CATCCAGGTTGTCTACCTTCATAACAR: CCAGGTGGGCAGAAGTCATT |
| FMOD | F: CTTGGCTCCAGACCCTGAAAR: TGCCCCTCGCGTCAGA |
| BGN | F: TCACCTTCCAGCCCCTAGAGTR: AGAAGCAGCCCCTCCTCAA |
| COMP | F: GGTGCGGCTGCTATGGAAR: CCAGCTCAGGGCCCTCAT |
| COL1A1 | F: GACTGGCAACCTCAAGAAGGR: CAATATCCAAGGGAGCCACA |
| COL1A2 | F: GCACATGCCGTGACTTGAGAR: CATCCATAGTGCATCCTTGATTAGG |
| COL3A1 | F: ACGCAAGGCCGTGAGACTAR: TGATCAGGACCACCAACATCA |
| TGFB1 | F: CCCTGCCCCTACATTTGGAR: CGGGTTGTGCTGGTTGTACA |
| GAPDH | F: GCATCGTGGAGGGACTCAR: GCCACATCTTCCCAGAGG |
| RPS20 | F: TTTGGAGAAGGTGTGTGCTGAR: GTCTTGGTGGGCATCCGAA |