

**SUPPLEMENTARY FILE**

**Supplemental Table S1.** Sequences of primers and probe used for qPCR. Probe modifications: FAM at 3' and NFQ-MGB at 5' end.

<b>Gene</b>	<b>Forward primer</b>	<b>Reverse primer</b>	<b>Probe</b>
<i>RPLP0</i>	TGGGCAAGAACACCATGATG	CGGATATGAGGCAGCAGTTTC	AGGGCACCTGGAAAACAACCCAGC
<i>COL2A1</i>	GGCAATAGCAGGTTACGTACA	GATAACAGTCTTGCCCCACTTACC	CCTGAAGGATGGCTGCACGAAACATAC
<i>RUNX2</i>	AGCAAGGTTCAACGATCTGAGAT	TTTGTGAAGACGGTTATGGTCAA	TGAAACTCTTGCCTCGTCCACTCCG
<i>COL10A1</i>	ACGCTGAACGATACCAAATG	TGCTATACCTTTACTCTTTATGGTGTA	ACTACCCAACACCAAGACACAGTTCTTCATTCC
<i>MMP13</i>	CGGCCACTCCTTAGGTCTTG	TTTTGCCGGTGTAGGTGTAGATAG	CTCCAAGGACCCTGGAGCACTCATGT
<i>COL1A1</i>	CCCTGGAAAGAATGGAGATGAT	ACTGAAACCTCTGTGTCCCTTCA	CGGGCAATCCTCGAGCACCT

**Supplemental Table S2.** List of assays on demand used for qPCR.

<b>Gene</b>	<b>Assay ID</b>
<i>SOX9</i>	Hs00165814_m1
<i>ACAN</i>	Hs01050178_m1
<i>SP7</i>	Hs00541729_m1
<i>PPARG</i>	HS00234592_m1