



Supplementary Material

10.1302/2046-3758.911.BJR-2020-0112.R1

Table i. The primer sequences used in real-time polymerase chain reaction.

Gene	Forward	Reverse	Product length, bp
β -actin	CATTGCTGACAGGATGCAGA	CTGCTGGAAGGTGGACAGTGA	139
lhh	ACCGTCTGAACTCACTGGC	CAGCGGCTCACCAGACTT	263
PTHrP	ACACAGCCGAAATCAGAGCTA	CTGAGTTAGGTATCTGCCCTCAT	116
COL2A1	ACCTTGAGACAGCACGACG	TCAATCCAGTAGTCTCCGCTC	164
COL10A1	TTCTGCTGCTAATGTTCTTGACC	GGGATGAAGTATTGTGTCTTGGG	115
Acan	AGGTGTCGCTCCCCAACTAT	CTTCACAGCGGTAGATCCCAG	96
SOX9	GAGCCGGATCTGAAGAGGGA	GCTTGACGTGTGGCTTGTTTC	151
MMP13	CTTCTTCTTGTTGAGCTGGACTC	CTGTGGAGGTCAGTGTAGACT	173
Runx2	TCAACGATCTGAGATTTGTGGG	GGATGAGGAATGCGCCCTA	221

Acan, aggrecan; β -actin, beta actin; COL2A1, collagen type II alpha 1 chain; COL10A1, collagen type X alpha 1 chain; lhh, Indian hedgehog; MMP13, matrix metalloproteinase 13; PTHrP, parathyroid hormone-related protein; Runx2, runt-related transcription factor 2; SOX9, SRY-box transcription factor 9.