

Table S1. Primer sequences used in qRT-PCR

Target gene	Accession No.	Primer Sequences		product size
		Sense	Antisense	
<i>SOX9</i>	NM_000346	AGCAAAGGAGATGAAATCTGTTCTG	AGGTAACTGCTGGTGTCTGAGA	151bp
<i>COL2A1</i>	NM_001844	GGCAATAGCAGGTTACGTACA	CGATAACAGTCTTGCCCCACTT	79bp
<i>ALPL</i>	NM_000478	CCTCCTCGGAAGACACTCTG	GCAGTGAAGGGCTTCTTGTC	139bp
<i>COMP</i>	NM_000095	AGGGAGATCGTGCAGACAA	AGCTGGAGCTGTCCTGGTAG	154bp
<i>ACAN</i>	NM_013227	TGAGTCCTCAAGCCTCCTGT	TGGTCTGCAGCAGTTGATTTC	129bp
<i>COL10A1</i>	NM_000493	AATGCCACAGGCATAAAAG	AGGACTTCCGTAGCCTGGTT	187bp
<i>RUNX2</i>	NM_001024630	TTACTTACACCCCGCCAGTC	TATGGAGTGCTGCTGGTCTG	139bp
<i>OSX</i>	NM_001173467	GCCAGAAGCTGTGAAACCTC	GCTGCAAGCTCTCCATAACC	161bp
<i>COL1A1</i>	NM_000088	GTGCTAAAGGTGCCAATGGT	ACCAGGTTACCCGCTGTTAC	128bp