

Appendix A

Primer and probe sequences used for real-time PCR

Gene	Primer/Probe sequence	T _m
<i>COL1A1</i>	Forward: 5'- AGCCTGGGGCAAGACAGTGATT -3' Reverse: 5'- TTGCTTGTCTGTTTCCGGGTTG -3'	60
<i>COL1A2</i>	Forward: 5'- ATGAGGAGACTGGCAACCTGAAAAA -3' Reverse: 5'- TCCAAAGGTGCAATATCAAGGAAGG -3'	58
<i>COL2A1</i>	Forward: 5'- GACATAGGAGGGCCCGAGCA -3' Reverse: 5'- CGGCACCTGAAGGGAGGTCT -3'	60
<i>COL2A1</i> , Exon 2	Forward: 5'- GCAGGATGGGCAGAGGTAT -3' Reverse: 5'- GCAGTGGCGAGGTCAGTT-3'	58
<i>COL3A1</i>	Forward: 5'- TCGAACACGCAAGGCTGTGAG -3' Reverse: 5'- TGTCGGTCACTTGCCTGGTTGA -3'	60
<i>COL10A1</i> *	Forward: 5'- TTCTGGGACCCCTCTTGTT -3' Reverse: 5'- CTTGGGTCATAATGCTGTTGC-3' Probe Flu: 5'- ATGGTATGGGAGTTCCTATTGCTGGGTAAGCT -3' LC: 5'- TGGAGAGAATAACAGTAAAAGCAGACACAGGCA -3'	56
<i>AGC1</i>	Forward: 5'- GCACGAGAAGGGCGAGTGGA -3' Reverse: 5'- GCTCCTGGGCTCAGCGTCCT -3'	60
<i>HAPLN1</i>	Forward: 5'- TCAGAGCAACAGGTCCACAAGCA -3' Reverse: 5'- TGGTCAGAAAGGCAGGATTTTAAAGAG -3'	60
<i>FNI</i>	Forward: 5'- TGAAGATTGGGGTGTGGAAG -3' Reverse: 5'- CAAGTATGAGAAGCCTGGGTCT -3'	58
<i>SOX5</i>	Forward: 5'- TGCAAAGAGCAACAACCTGAATGTGA -3' Reverse: 5'- GGGGGTGAGATAGGAAAATGATGAC -3'	60
<i>SOX6</i> *	Forward: 5'- GCCATCAGTGCCTGATGTGGTA -3' Reverse: 5'- CAAGTGGACCCTTGACATTCTGGA -3'	60
<i>SOX9</i>	Forward: 5'- AAGGTGGAGTAGAGGCCG -3' Reverse: 5'- CCAACAGATCGCCTACAG -3' Probe Flu: 5'- TAGGAGCTGGAGTTCTGGTGGTCCGGT-3' LC: 5'- TAGTCGTA CTGTGAGCGGGTGTATGGG -3'	62
<i>GAPDH</i>	Forward: 5'- CAGGGACTCCCCAGCAGT -3' Reverse: 5'- GGGATTGCCCTCAACGACCA -3'	60

*: hybridization probes were used for quantitative PCR. Flu: probe conjugated with Fluorescein; LC: probe conjugated with LC red 640.

Appendix B

