

**Table S1. Oligonucleotide primers**

Name	Sequence	Purpose
<i>P1</i> ( <i>Col10a1</i> Intron );	5'-TTTAGAGCATTATTTCAAGGCAGTTTCCA-3'	PCR1: <i>BAC-Col10a1-Sox9</i> Tg genotyping
<i>P2</i> ( <i>Sox9</i> Rev)	5'-ATGCACACGGGGAACCTTATC-3'	
<i>mCol10-5'</i>	5'-TGCTGCCCTGGTCTTACTCT-3'	<i>BAC-Col10a1-Sox9</i> transgene copy number PCR
<i>mCol10-3'</i>	5'-GCCTTGGGATCCTAAACCTC-3'	
Chondromodulin (mouse, 677 bp)	5'-GGGGCATTCTGTTGTAGGG-3'	Riboprobe for ISH
<i>Col10a1</i>	5'-CAATTGCTTCTTTTGTCCGC-3'	
<i>Sox9</i>	5'-TGCTGCCTCAAATACCTTTCT-3'	Real-time PCR
	5'-TGCGGTATGGGATGAAGTATTG-3'	
<i>Sox9</i>	5'-ACGGCTCCAGCAAGAACAAG-3'	Real-time PCR
	5'-TTGTGCAGATGCGGGTACTG-3'	
<i>Ihh</i>	5'-CCACTTCCGGGGCACATTTG-3'	Real-time PCR
	5'-GGCCACCACATCCTCCACCA-3'	
<i>Vegfa</i>	5'-CCTGGTAATGGCCCTCCTC-3'	Real-time PCR
	5'-CCCCATTGCTCTGTGCCTTG-3'	
<i>Runx2</i>	5'-AGAAGAGCCAGGCAGGTGCTT-3'	Real-time PCR
	5'-TTCGTGGGTTGGAGAACGC-3'	
<i>Mmp9</i>	5'-GGAACTCACACGACATCTTCCA-3'	Real-time PCR
	5'-GAAACTCACAGCCAGAAGAATT-3'	
<i>Mmp13</i>	5'-TCCTCGGAGACTGGTAATGG-3'	Real-time PCR
	5'-TGATGAAACCTGGACAAGCA-3'	
cyclophilin A	5'-CCACCGTGTCTTCGACAT-3'	Real-time PCR
<i>GAPDH</i>	5'-CAGTGCTCAGAGCTCGAAAAG-3'	Real-time PCR
	5'-CAATGACCCCTTCATTGACC-3'	
<i>VEGFA</i> 1/379	5'-GACAAGCTTCCCCTTCTCAG-3'	Reporter gene fragment
	5'-CGCCGGATCctctctctgaccctctctctctctc-3'	
<i>VEGFA</i> 1/230	5'-GGAAAGATCTtcgcgaggccttggggcagccgggtag-3'	Reporter gene fragment
	5'-CGCCGGATCcaagcaaaaataataaaacgagaaacaatcag-3'	
<i>VEGFA</i> 1/230 mutant	5'-GGAAAGATCTtcgcgaggccttggggcagccgggtag-3'	Reporter gene fragment
	5'-CGCCGGATCgcggaataataataaaacgagagcgggtacag-3'	
<i>Vegf</i> pro-2SRY	5'-GGAAAGATCTtcgcgaggccttggggcagccgggtag-3'	SRY oligonucleotide for Emsa
	5'-ggTGTATTGTTTCTCGTTTTAATTTATTTTTCGCTT-3'	
<i>Vegf</i> pro-2SRY mutant	5'-ggAAGCAAAAATAAATTA AAAACGAGAAAAAACAATACA-3'	Mutant SRY oligonucleotide for Emsa
	5'-ggTGTACCGCTCTCGTTTTAATTTATTTCCGCC-3'	
<i>Sox9</i> sense, antisense	5'-ggGGGCGGAAAATAAATTA AAAACGAGAGCGGTACA-3'	<i>Sox9</i> siRNA
	5'-UGACGUCGAAGGUCUCAUUGUUGGAtt-3'	
<i>Vegf</i> SRY 1/230	5'-UCCAACAUUGAGACCUUCGACGUCAtt-3'	ChIP
	5'-CCCCGGAGTCTGTGCTCTGGGATTGAT-3'	
β-actin	5'-CTTCTCTCTGGAGCTCTTGATACCTCTT-3'	ChIP
	5'-GATGACCTGGCCGTGAGGCAGCTCATA-3'	
	5'-ACGTAGCCATCCAGGCTGTGCTGTCCC-3'	