

**Table S1. List of primers used in this study for variant discovery**

<b>Template</b>	<b>Gene</b>	<b>Primer forward</b>	<b>Primer reverse</b>	<b>Expected size (bp)</b>
cDNA	<i>Col6a1</i>	GTACCGGCGCAACTTCAC	TCGTCACCTCGGTAACCTTT	819
		CGGACGGAAAGGAGAGAAG	TTGACCAGCTCGTCCCTACT	855
		CAAGGTGAGCTGTCTGGAGAT	CCCCTTGGCTCCTTTCAC	496
	<i>Col6a2</i>	AGGACCCAAGGGTGTTCCT	GGTCCTGGGGATCCTCTT	840
		AGAGGTGGGGAACAAAGGAG	GCAGGTTGAGGTCGTCGT	863
		CAGCCAGATGCAAAGAATCA	ACTGTCCCGTCCTGAGTCAC	886
	<i>Col6a3</i>	ATCGGGCCAAAGGGTATTC	CTCCCTTTGGACCTGGGTAT	826
		AGGAACGAAGGGCAACAAG	TCCGTTTCTCACTCGCTTAAA	886
		CTCGACAACATCGCTGAGAA	AAACCTTGAGTGCCGTTTAC	191
	gDNA	<i>Col6a3</i>	aaggaagcggacaggatfff	ccatcgagtctctccctctg