

**Additional file 1.** Primer and probe sequences used for real-time reverse transcription PCR (qPCR). The PrimeTime® qPCR Assays were purchased from Integrated DNA Technologies (IDT), who perform quality control by mass spectrometry, with all QC results provided on their website.

<b>Gene</b>	<b>Probe sequence (5'-3')</b>	<b>Primer 1 (5'-3')</b>	<b>Primer 2 (5'-3')</b>
<i>COL12A1</i>	56-FAM/TCCCCTGTG/ZEN/GAAGGCTGATAAGTGA/3IABkFQ	CGGTGATAGTGTAAGGAGTGTC	TGGTCGTGTGCAGAAATATAGG
<i>TMEM30A</i>	56-FAM/TGTGACATT/ZEN/CAAAGAGTATCGGCCAGC/3IABkFQ	CAGCATTACCTACTTTTCGCAAG	TCATCCGTTTTTCGTCCATCAA
<i>MYO6</i>	56-FAM/TGGCGTCCT/ZEN/GCACCTTGGAATA/3IABkFQ	CCAAACCCAGTAATTCAGCAC	AAAGCTTGATCTCTTCCGGG
<i>SENP6</i>	56-FAM/CTGTAAGGT/ZEN/TAAGTCGGCTCCAAGGT/3IABkFQ	TCCTCTTAATTTTCAGGCTCCAC	AAAGAATACCCACCTCATGTCC
<i>FILIP1</i>	56-FAM/ACAACGTCA/ZEN/TCTGCTCGAGGAACC/3IABkFQ	AGCACTATCACCATAACACCG	CTTTTGACATAGGAATGCGGG
<i>COX7A2</i>	56-FAM/AGATTGGGC/ZEN/AGAGGACGATAAGCAC/3IABkFQ	TGGTCAGTAACAGCCAAGATG	TTTTAAAATGCCTGCGGGAAG
<i>GAPDH</i>	56-FAM/AAGGTCGGAGTCAACGGATTTGGTC/IABkFQ/36-TAMSp	TGTAGTTGAGGTCAATGAAGGG	ACATCGCTCAGACACCATG
<i>HPRT1</i>	56-FAM/AGGACTGAACGTCTTGCTCGAGATG/36-TAMSp	ACAGAGGGCTACAATGTGATG	TGCTGAGGATTTGAAAAGGG
<i>18S</i>	56-FAM/TCCTTTGGTCGCTCGCTCCTCTCCC/TAMRA	TATTAGCTCTAGAATTACCACAGTTATCC	CGAATGGCTCATTAAATCAGTTATGG