

Table S1. The primers used for real-time PCR.

Gene	Strand	Primer sequences	Product Size	Annealing Temp.
<i>Adamts4</i>	S	5'-CATCCGAAACCCTGTCAACTTG-3'	281bp	58°C
	AS	5'-GCCCATCATCTTCCACAATAGC-3'		
<i>Adamts5</i>	S	5'-GCCATTGTAATAACCCTGCACC-3'	292 bp	58°C
	AS	5'-TCAGTCCCATCCGTAACCTTTG-3'		
<i>Gapdh</i>	S	5'-TCACTGCCACCCAGAAGAC-3'	450 bp	58°C
	AS	5'-TGTAGGCCATGAGGTCCAC-3'		
<i>Epas1</i>	S	5'-CGAGAAGAACGACGTGGTGTTC-3'	333 bp	64°C
	AS	5'-GTGAAGGCTGGCAGGCTCC-3'		
<i>Mmp2</i>	S	5'-CCAACTACGATGATGAC-3'	233 bp	60°C
	AS	5'-ACCAGTGTCTAGTATCAG-3'		
<i>Mmp3</i>	S	5'-TCCTGATGTTGGTGGCTTCAG-3'	102 bp	58°C
	AS	5'-TGTCTTGGCAAATCCGGTGTA-3'		
<i>Mmp9</i>	S	5'-ACCACATCGAACTTCGA-3'	212 bp	58°C
	AS	5'-CGACCATACAGATACTG-3'		
<i>Mmp12</i>	S	5'-CCCAGAGGTCAAGATGGATG-3'	482 bp	60°C
	AS	5'-GGCTCCATAGAGGGACTGAA-3'		
<i>Mmp13</i>	S	5'-TGATGGACCTTCTGGTCTTCTGG-3'	473 bp	58°C
	AS	5'-CATCCACATGGTTGGGAAGTTCT-3'		
<i>Mmp14</i>	S	5'-GTGCCCTAGGCCTACATCCG-3'	580 bp	62°C
	AS	5'-TTGGGTATCCATCCATCACT-3'		
<i>Mtf1</i>	S	5'-GTTTTAATGGTGATGCAGAGTCCGTC-3'	461 bp	62°C
	AS	5'-GGGATTATTAGTTAGGACAGAGTTGGC-3'		
<i>Sp1</i>	S	5'-TGACAGGTCTCCCTGGAGTAAT-3'	476 bp	58°C
	AS	5'-GGAGCTGGAACTAGCTTGTGAT-3'		
<i>Zip8</i>	S	5'-GAACAATTGCCTGGATGATCACGC-3'	430 bp	62°C
	AS	5'-AAGCCGGTTAACATCCCTGCATTC-3'		