

Table S1. Primers used in this study

Gene name	NCBI NO.	Direction	Sequence
CLAUDIN1	NM_021101	Forward	TTGACTCCTTGCTGAATCTGAG
		Reverse	TTCTGCACCTCATCGTCTTC
E-CADHERIN	NM_004360	Forward	TTCTGCTGCTCTTGCTGTTTCTTC
		Reverse	TTCTCCGCCTCCTTCTTCATCATAG
INTEGRIN- α 5	NM_002205	Forward	GGCAGCTATGGCGTCCCACTGTGG
		Reverse	GGCATCAGAGGTGGCTGGAGGCTT
MMP1	NM_002421	Forward	GGGCTTGAAGCTGCTTACGA
		Reverse	TGTCCCTGAACAGCCCAGTAC
N-CADHERIN	NM_001308176.1	Forward	ATCCTACTGGACGGTTCG
		Reverse	TTGGCTAATGGCACTTGA
OCCLUDIN	NM_002538	Forward	GCAAAGTGAATGACAAGCGG
		Reverse	CACAGGCGAAGTTAATGGAAG
VIMENTIN	NM_003380	Forward	CTGAATGACCGCTTCGCCAAC
		Reverse	TCCCGCATCTCCTCCTCGTAG
ZO-1	NM_001301025	Forward	TGCTGAGTCCTTTGGTGATG
		Reverse	AATTTGGATCTCCGGGAAGAC