

Additional file 1B: qPCR primer sequence

Gene		Sequence	Amplicon size
<i>CDH1</i>	Forward	CGAGAGCTACACGTTACGG	119 bp
	Reverse	GGGTGTCTGAGGGAAAAATAGG	
<i>CDH2</i>	Forward	AGCCAACCTTAACTGAGGAGT	136 bp
	Reverse	GGCAAGTTGATTGGAGGGATG	
<i>CTNNA1</i>	Forward	CCATGCAGGCAACATAAACTTC	81 bp
	Reverse	GGCTCCAACAGTCTCTCAACT	
<i>CTNNB1</i>	Forward	CCCACTGGCCTCTGATAAAGG	80 bp
	Reverse	ACGCAAAGGTGCATGATTTG	
<i>CTNND1</i>	Forward	TTCATCACAGGTGCTGCGTAA	93 bp
	Reverse	CCATCACACTCTCTCATCCTTCTG	
<i>FN1</i>	Forward	GGTGACACTTATGAGCGTCCTAAA	170 bp
	Reverse	AACATGTAACCACCAGTCTCATGTG	
<i>FOXC2</i>	Forward	CCTCCTGGTATCTCAACCACA	131 bp
	Reverse	GGTCGAGTTCTCAATCCCCA	
<i>MET</i>	Forward	TGGTGCAGAGGAGCAATGG	111 bp
	Reverse	CATTCTGGATGGGTGTTTCCG	
<i>MMP2</i>	Forward	CAAAAACAAGAAGACATACATCTT	232 bp
	Reverse	GCTTCCAAACTTCACGCTC	
<i>MTA1</i>	Forward	GCTGTTACACCACACAGTCTT	166 bp
	Reverse	GGACTCATGTTACTGCGGTTT	
<i>MTA2</i>	Forward	CCGACGGCCTTATGCTCCT	145 bp
	Reverse	CTGGGCCACCAGATCTTTGAC	
<i>NME1</i>	Forward	CTGCAGCCGGAGTTCAAAC	68 bp
	Reverse	GCAATGAAGGTACGCTCACAGT	
<i>OCN</i>	Forward	TGCCGCGTTGGTGATCTTT	100 bp
	Reverse	GCCCAGGATAGCACTCACTATT	
<i>PLAU</i>	Forward	CACGCAAGGGGAGATGAA	341 bp
	Reverse	ACAGCATTTTGGTGGTGA CTT	
<i>PLAUR</i>	Forward	AATGGCCGCCAGTGTTACAG	227 bp
	Reverse	CAGGAGACATCAATGTGGTTC	
<i>SERPINB5</i>	Forward	CTACTTTGTTGGCAAGTGGATGAA	90 bp
	Reverse	ACTGGTTTGGTGTCTGTCTTGTG	
<i>TIMP1</i>	Forward	CTTCTGGCATCCTGTTGTTG	84 bp
	Reverse	AGAAGGCCGTCTGTGGGT	
<i>VIM</i>	Forward	CCTTGAACGCAAAGTGGAATC	106 bp
	Reverse	GACATGCTGTTCTGAATCTGAG	