

Table S2: Primers used for detection of gene expression (5'→ 3')

Gene	Direction	Sequence	Length of PCR product (bp)	Annealing temperature (°C)
<i>GAPDH</i>	forward	AGGTCGGAGTCAACGGATTT	157	60
	reverse	TGGAATTTGCCATGGGTGGA		
<i>LGR5</i>	forward	GAGTTACGTCTTGCGGGAAAC	112	60
	reverse	TGGGTACGTGTCTTAGCTGATTA		
CD44	forward	TGAATAACCTGCCGCTTTG	134	60
	reverse	GCTTTCTCCATCTGGGCCAT		
<i>BMI1</i>	forward	GCTGCTCTTTCCGGGATTTTT	104	60
	reverse	TACCCTCCACAAAGCACACA		
<i>ATOH1</i>	forward	CCTTCCAGCAAACAGGTGAATGG	126	60
	reverse	GAACGACGGGATAACATTGCGC		
<i>TACSTD2</i>	forward	TCCCCTTTTCGGTCCAACAAC	107	60
	reverse	AAACGATCCCGGGTTGTCAT		
<i>ALPI</i>	forward	GAGCTCCATCTTCGGGTTGG	122	60
	reverse	TCTCATTACGTCTGGTCGC		
<i>CHGA</i>	forward	CACTCCGAGGAGATGAACGG	167	60
	reverse	CTGGCTGCTCTGGTTCTCAA		
<i>LYZ1</i>	forward	AGGAGCAGTTAATGCCTGTCA	126	60
	reverse	CTCCATGCCACCCATGCTCT		
<i>MUC2</i>	forward	CTATGTCCTGGCCAAGGGTG	146	60
	reverse	CGGACTTGAAGACCAACCACA		
COX2	forward	CAAATTGCTGGCAGGGTTGC	139	60
	reverse	AGGGCTTCAGCATAAAGCGT		
<i>CDH1</i>	forward	TACCCTGGTGGTTCAAGCTG	129	60
	reverse	ACCTGACCCTTGACGTGGT		
<i>CLDN15</i>	forward	TCTCCAGGAAAGCCAAGCTG	148	60

	reverse	CCCAGCTCGTACTTGGTTCC		
<i>TJP1</i>	forward	GGAGAGGTGTTCCGTGTTGT	134	60
	reverse	GCTAGCTGCTCAGCTCTGTT		
<i>VIL1</i>	forward	GCCCAAGTCAAAGGCTCTCT	149	60
	reverse	GCTGTCTTGTGGATAGCCAGG		
<i>TWIST1</i>	forward	TTCTCGGTCTGGAGGATGGA	102	60
	reverse	CAATGACATCTAGGTCTCCGGC		
<i>TWIST2</i>	forward	CGCCAGGGCTGTCCG	145	60
	reverse	TGTCCGATGTCACTGCTGTC		
<i>ZEB2</i>	forward	AGTGTGCCCCAACCATGAGTC	158	60
	reverse	TCTTCCTTCATTTCTTCTGGACC		
<i>MMP2</i>	forward	CCTGAGGGCGCTCTGTCTC	133	60
	reverse	GAAGGTGTTCAAGGTATTGCACTG		
<i>VIM</i>	forward	CGGGAGAAATTGCAGGAGGA	105	60
	reverse	AAGGTCAAGACGTGCCAGAG		