

Table S1. Histopathological grading table.

Inflammation	Extent	Crypt damage	Percent involvement (%)	Grade
None	None	None	None	0
Slight	Mucosa	1/3	1-25	1
Moderate	Mucosa and submucosa	2/3	26-50	2
Severe	Transmural	All	51-75	3
-	-	Entire crypt and epithelium lost	76-100	4

Table S2. Primer sequence.

Gene	Sequence (5' -> 3')	PrimerBank ID
<i>PGP9.5</i>	F-AGGGACAGGAAGTTAGCCCTA	188219613c1
	R-AGCTTCTCCGTTTCAGACAGA	
<i>S100β</i>	F-TGGTTGCCCTCATTGATGTCT	6677839a1
	R-CCCATCCCCATCTTCGTCC	
<i>GFAP</i>	F-CGGAGACGCATCACCTCTG	196115326c1
	R-TGGAGGAGTCATTCGAGACAA	
<i>MUC2</i>	F-AGGGCTCGGAAGTCCAGAAA	28865873a1
	R-CCAGGGAATCGGTAGACATCG	
<i>ZO-1</i>	F-GCCGCTAAGAGCACAGCAA	254675278c1
	R-GCCCTCCTTTTAACACATCAGA	
<i>Occludin</i>	F-TTGAAAGTCCACCTCCTTACAGA	6679162a1
	R-CCGGATAAAAAGAGTACGCTGG	
<i>Claudin-1</i>	F-GGGGACAACATCGTGACCG	7710002a1
	R-AGGAGTCGAAGACTTTGCACT	
<i>Claudin-4</i>	F-ATGGCGTCTATGGGACTACAG	160333265c1
	R-GAGCGCACAACCTCAGGATG	
<i>TNF-α</i>	F-CCCTCACACTCAGATCATCTTCT	7305585a1
	R-GCTACGACGTGGGCTACAG	
<i>IL-1β</i>	F-GAAATGCCACCTTTTGACAGTG	118130747c1
	R-TGGATGCTCTCATCAGGACAG	
<i>IL-6</i>	F-CTGCAAGAGACTTCCATCCAG	13624310c1
	R-AGTGGTATAGACAGGTCTGTTGG	
<i>5-HT_{2B}</i>	F-ACCTGATCCTGACTAACCGTT	118130975c1

	R-TGGGTATTATCACCGCGAGTAT	
<i>5-HT₄</i>	F-AGTTCCAACGAGGGTTTCAGG	6680325a1
	R-CAGCAGGTTGCCCAAGATG	
<i>AQP4</i>	F-AGTCACCACGGTTCATGGAAA	160415210c2
	R-CATGCTGGCTCCAGTATAATTGA	
<i>AQP8</i>	F-TGTGTAGTATGGACCTACCTGAG	6680714a1
	R-ACCGATAGACATCCGATGAAGAT	
<i>GPR41</i>	F-CTTCTTTCTTGGCAATTACTGGC	142345193c1
	R-CCGAAATGGTCAGGTTTAGCAA	
<i>GPR43</i>	F-CTTGATCCTCACGGCCTACAT	22122727a1
	R-CCAGGGTCAGATTAAGCAGGAG	
<i>Gapdh</i>	F-AGGTCGGTGTGAACGGATTTG	126012538c1
	R-GGGGTCGTTGATGGCAACA	