

## Supplementary materials

**Table.1** DAI score rules

Body weight loss (%)	Stool type	Blood in feces	Score
< 2%	Normal	Negative (no bleeding)	0
≥2-5%<	Softer stool	Weak positive (weak hemocult)	1
≥5-10%<	Moderate diarrhea	Positive (visual blood in feces)	2
≥10-15%<	Diarrhea	Strong positive (fresh rectal bleeding)	3
≥15%	-		4

**Table.2** Histological score

Parameters	Score	Histological features
Surface epithelial loss	0	No change
Crypt destruction	1	Localized and mild
	2	Localized and moderate
	3	Extensive and moderate
Inflammatory cell infiltration into the mucosa	4	Extensive and severe

**Table.3** Chiu's score

Grade	Characteristics
0	Mucosa with normal villi
1	Development of the subepithelial Gruenhagen's space, usually at the villus apex, frequently associated with capillary congestion
2	Extension of the subepithelial space with moderate lifting of epithelial layer from the lamina propria
3	Massive epithelial lifting down the sides of the villi
4	Denuded villi with lamina propria and dilated capillaries exposed. Increased cellularity of lamina propria may be noted
5	Digestion and disintegration of lamina propria; hemorrhage and ulceration.

**Table.4** The sequences information of primers

Gene	Primer sequence (5'→3')
NF-κB signaling pathway	
TLR4	F: GAGCCGGAAGGTTATTGTGGTAGTG R: AGGACAATGAAGATGATGCCAGAGC
IκB	F: TGGTGTGACTGTGGATCTCTGGAG R: GGCTGGCTTCTCTGTGGTGATTC
NF-κB	F: GCAAGCGTATCCCAAGAAGAGGTG R: GCGATGCCTGCTACCACTCATTAC
Tight junction proteins	
ZO-1	F: AACCCGAAACTGATGCTGTGGATAG R: CGCCCTTGGAATGTATGTGGAGAG
Claudin1	F: GCTGGGTTTCATCCTGGCTTCTC R: CCTGAGCGGTCACGATGTTGTC
Occludin	F: TTGGCTACGGAGGTGGCTATGG R: CCTTTGGCTGCTCTTGGGTCTG
MUC2	F: CGAGCACATCACCTACCACATCATC R: TCCAGAATCCAGCCAGCCAGTC
Housekeeping gene	
β-actin	F: GGTTGTCTCCTGCGACTTCA R: TGGTCCAGGGTTTCTTACTCC