

Supplemental materials

**Table S1**

DAI scoring standard

Score	Weight loss (%)	Diarrhea degree	Bloody stools
0	None	Normal	None
1	1-5	Soft and shaped	Between
2	6-10	Loose	Stool occult blood
3	11-20	Between	Between
4	>20	Diarrhea	Defecate hemorrhage

**Table S2**

Colon mucosal damage index scores

<b>Score</b>	<b>Inflammation</b>	<b>Crypt Damage</b>	<b>Ulceration</b>	<b>Edema</b>
<b>0</b>	No infiltrate	None	None	None
<b>1</b>	Occasional cell limited to submucosa	Some crypt damage, spaces between crypts	Small, focal ulcers	Present
<b>2</b>	Significant presence of inflammatory cells in submucosa, limited to focal areas	Larger spaces between crypts, loss of goblet cells, some shortening of crypts	Frequent small ulcers	
<b>3</b>	Infiltrate present in both submucosa and lamina propria, limited to focal areas	Large areas without crypts, surrounded by normal crypts	Large areas lacking surface epithelium	
<b>4</b>	Large amount of infiltrate in submucosa, lamina propria and surrounding blood vessels, covering large areas of mucosa	No crypts		
<b>5</b>	Transmural inflammation (mucosa to muscularis)			

**Table S3**

The oligonucleotide primer sets for the real-time PCR analysis of IL-6, IL-8, IL-1 $\beta$ , TNF- $\alpha$ , iNOS, COX-2 and GAS5.

Name	Sequence (5'-3')	Length	Tm	size
IL-6 F	ATGGCAATTCTGATTGTATG	20	50.7	212
IL-6 R	GACTCTGGCTTTGTCTTTCT	20	50.9	
IL-8 F	CACAAACTTTCAGAGACAGCAG	22	55.3	226
IL-8 R	GTGGAAAGGTTTGGAGTATGTC	22	55.6	
IL-1 $\beta$ F	GAATCTCCGACCACCACTAC	20	53.9	191
IL-1 $\beta$ R	CACATAAGCCTCGTTATCCC	20	54.9	
TNF- $\alpha$ F	GAGTGACAAGCCTGTAGCC	19	52.4	168
TNF- $\alpha$ R	AAGAGGACCTGGGAGTAGAT	20	51.8	
iNOS F	CACCACCCTCCTCGTTC	17	52.8	132
iNOS R	CAATCCACAACCTCGCTCC	18	53.7	
COX-2 F	AAAACCTCGTCCAGATGCTA	20	54.9	100
COX-2 R	TTGAGGAGAACAGATGGGAT	20	53.9	
GAS5 F	TGAAGGCACTGCAAACAC	18	52.4	121
GAS5 R	CCAGGCACCTCAGAAACA	18	54.1	
$\beta$ -actin F	GGCACCCAGCACAATGAA	18	57.7	168
$\beta$ -actin R	TAGAAGCATTTGCGGTGG	18	55.1	