

Supplementary Materials

Table S1: Disease Activity Index (DAI) Scoring System

| Score | weight loss (%) | stool consistency | occult/gross bleeding |
|-------|-----------------|-------------------|-----------------------|
| 0 | none | normal | normal |
| 1 | 0-5 | | |
| 2 | 5-10 | loose stools | hemoccult positive |
| 3 | 10-20 | | |
| 4 | > 20 | diarrhea | gross bleeding |

Table S2: Histopathological Scoring System

| Score | inflammatory infiltrate | mucosal damage | crypt damage |
|-------|-------------------------|----------------------|---|
| 0 | none | none | none |
| 1 | mild | mucosa | 1/3 damaged |
| 2 | moderate | mucosa and submucosa | 2/3 damaged |
| 3 | severe | transmural | crypt loss, but surface epithelium present |
| 4 | | | Both crypt and surface epithelium were lost. |

Table S3: Primer Sequences for RT-qPCR Assays in Colonic Tissue

| Gene | Forward (5'–3') | Reverse (5'–3') |
|-----------|---------------------------|--------------------------|
| Muc2 | CGAGCACATCACCTACCACATCATC | TCCAGAATCCAGCCAGCCAGTC |
| ZO-1 | AACCCGAAACTGATGCTGTGGATAG | CGCCCTTGGAATGTATGTGGAGAG |
| Occludin | TTGGCTACGGAGGTGGCTATGG | CCTTTGGCTGCTCTTGGGTCTG |
| Claudin-1 | GCTGGGTTTCATCCTGGCTTCTC | CCTGAGCGGTCACGATGTTGTC |
| Stx1A | CCATTCTGGCAACTCGCG | GGCAAGAGCGATGTTACGGT |
| Stx2A | TTGCTGTGGATATACGAGGGC | TCCGTTGTCATGGAAACCG |
| Gapdh | GACAGCCGCATCTTCTTGTG | AATCCGTTACACCGACCTT |