

Table S1. Nutritional composition of piglet diets

Category	Value
Apparent digestible energy (MJ/kg)	3.16
Crude protein (%)	16.69
Crude fibre (%)	4.21
Crude Ash (%)	5.43
NaCl (%)	0.55
Total Phosphorus (%)	0.67
Calcium (%)	0.80
Moisture (%)	12.93

Note: The diet used in this study was piglet compound feed (Hainan Liyuan Feed Co., Ltd.). Apparent digestible energy was determined in accordance with GB/T 26438-2010. Crude protein, crude fibre and crude ash were determined in accordance with GB/T 18868-2002. NaCl, total phosphorus and calcium were determined in accordance with DB21/T 2048-2012. Moisture was determined in accordance with GB/T 6435-2014.

Table S2. Histopathological scoring criteria for the colon

Score	Histological features
0	Normal colonic mucosa with intact epithelium
1	Mucosa with scattered inflammatory cell infiltration
2	Dense mucosal infiltration without submucosal spread and intact epithelium
3	Moderate inflammatory cell infiltration of mucosa and submucosa, epithelial hyperplasia, goblet cell exfoliation
4	Marked inflammatory cell infiltration of mucosa and submucosa with crypt abscesses, thrush cells and crypt shedding
5	Marked inflammatory cell infiltrate in the mucosa extending into the submucosa with crypt shedding and haemorrhage

Table S3. Primer sequences used in the present study

Genes	Primer sequence (5'-3')
<i>β-actin</i>	TGGCACCACACCTTCTACAACG TCTTCTCACGGTTGGCTTTGGG
<i>IL-1β</i>	GTGTCTGTGATTGTGGCAAAGGAG AGGACGATGGGCTCTTCTTCAAAG
<i>TNF-α</i>	CAACGGCGTGAAGCTGAAAGAC ATGCGGCTGATGGTGTGAGTG
<i>IL-8</i>	CTGCCTGGACCCCAAGGAAAAG ACTGCTGTTGTTGTTGCTTCTCAG
<i>TGF-β1</i>	GCTGTGGCTGCTAGTGCTGAC GAATGGCCTCGATGCGCTTCC
<i>IL-22</i>	AGCCCTTTTCCTTCTGGAGAC GGTCAAGCTTGCA GTGATGA
<i>ZO-1</i>	TGATGATCGTCTGTCCTACCTGTC CCGCCTTCTGTATCTGTGTCTTC
<i>MUC1</i>	AGCGGAAGCAGGCACCTATAAC AGAATACAGACCAGCACCAGCAG
<i>CLDN1</i>	TGTGGATGTCCTGCGTGTCG AAGTGGTGTTTCAGATTCAGCAAGG