

Supplementary data

Hematological Parameters	Control	ETEC	Pvalue
HGB (g/L)	145.25 ± 14.44	145.75 ± 13.17	0.943
HCT (%)	47.6 ± 4.16	47.55 ± 3.75	0.990
WBC (10 ⁹ /L)	14.10 ± 4.38	15.10 ± 4.134	0.648
MCH (pg)	17.75 ± 0.74	16.66 ± 1.25	0.053
MCHC (g/L)	305.38 ± 6.91	306.38 ± 8.68	0.802
MCV (fL)	58.10 ± 2.78	54.31 ± 3.31	0.026
MPV (fL)	8.76 ± 0.94	8.53 ± 0.47	0.533
PCT (%)	0.47 ± 0.09	0.50 ± 0.15	0.645
PDW (%)	15.61 ± 0.29	15.41 ± 0.36	0.244
PLT (10 ⁹ /L)	544.50 ± 104.51	575.63 ± 172.64	0.669
RBC (10 ¹² /L)	8.20 ± 0.75	8.78 ± 0.79	0.154
RDW-CV (%)	18.89 ± 1.44	21.05 ± 5.57	0.306
RDW-SD (10 ⁹ /L)	39.55 ± 2.81	41.00 ± 8.59	0.657

Table S1: The effect of ETEC challenge on blood routine parameters in Ningxiang piglets.

Note. The two tailed unpaired t-test was used to test for significant differences at 0.05. HGB = hemoglobin; HCT = hematopoietic cell transplantation; WBC = white blood cell; MCH = mean Corpuscular Hemoglobin; MCHC = mean corpuscular hemoglobin concentration; MCV = mean corpuscular volume; MPV = mean platelet volume; PCT = plateletcrit; PDW = platelet distribution width; PLT = platelets; RBC = red blood cell; RDW-CV = the distribution width of red blood cells; RDW-SD = average distribution width of red blood cells.

Items	Control	ETEC	Pvalue
α-AMY, U/L	1688.50 ± 282.97	2037.88 ± 710.87	0.217
ALB, g/L	41.21 ± 4.32	42.91 ± 4.09	0.432
ALP, U/L	146.25 ± 31.17	158.25 ± 55.72	0.603
ALT, U/L	30.88 ± 6.60	33.75 ± 11.34	0.545
AST, U/L	31.38 ± 4.03	39.75 ± 12.71	0.097
A/G	3.11 ± 0.36	3.19 ± 0.33	0.676
BUN, μmol/L	2.30 ± 0.52	2.06 ± 0.78	0.482
CHO, mmol/L	2.45 ± 0.43	2.80 ± 0.45	0.134
CREA, μmmol/L	44.13 ± 8.94	45.25 ± 8.19	0.797
DBIL, μmmol/L	0.88 ± 0.542	0.85 ± 0.86	0.945
GLO, g/L	13.33 ± 1.55	13.59 ± 1.89	0.766
GLU, mmol/L	6.38 ± 0.92	6.31 ± 1.07	0.884
HDL-C, mmol/L	0.57 ± 0.16	0.71 ± 0.16	0.111
IBIL, μmmol/L	0.56 ± 0.37	0.69 ± 0.67	0.652
IgA(mg/dL)	1.40 ± 0.17	1.38 ± 0.10	0.830

LDH, U/L	478.50 ± 52.11	498.38 ± 61.12	0.495
LDL-C, mmol/L	1.11 ± 0.28	1.30 ± 0.33	0.237
TBIL, μmmol/L	1.44 ± 0.66	1.66 ± 1.39	0.686
TG, mmol/L	0.53 ± 0.29	0.45 ± 0.19	0.519
TP, g/L	54.54 ± 5.27	56.53 ± 5.61	0.477

Table S2: The effect of ETEC challenge on serum biochemistry in Ningxiang piglets.

Note. The two tailed unpaired t-test was used to test for significant differences at 0.05. α-AMY = α-amylase; ALB = albumin; ALP = alkaline phosphatase; ALT = alanine aminotransferase; AST = aspartate aminotransferase; A/G = the postoperative ratio of albumin to blood glucose; BUN = blood urea nitrogen; CHO = cholestenone; CREA = creatinine; DBIL = direct bilirubin; GLO = globulin; GLU = glucose; HDL-C = high density lipoprotein cholesterol; IBIL = indirect bilirubin; IgA = immunoglobulin A; LDH = lactate dehydrogenase; LDL-C = low density lipoprotein Cholesterol; TBIL = total bilirubin; TG = triglyceride; TP = total protein.