

Supplementary Material

Tables

Table S1. Compositions of the Experimental Diet and Nutrient Profile (As-Fed Basis)

ingredients (%)		calculated nutrient content (%)	
corn	47.25	digestible energy (MJ/kg)	15.05
whey powder	7.50	crude protein (%)	19.20
wheat powder	7.50	crude fat (%)	8.03
sucrose	2.50	crude fiber (%)	1.76
glucose	1.25	ash (%)	3.01
soybean meal	8.50	calcium (%)	0.77
extruded soybean	10.00	phosphorus (%)	0.53
fish meal	7.00	available phosphorus (%)	0.34
soybean oil	2.00	lysine (%)	1.35
yeast extract	2.50	methionine + cysteine (%)	0.74
choline chloride (50%)	0.10	threonine (%)	0.79
calcium hydrophosphate	0.38	tryptophan (%)	0.22
limestone	0.80		
salt	0.30		

L-lysine HCl	0.50
D,L-methionine	0.22
L-threonine	0.25
L-tryptophan	0.02
L-valine	0.10
vitamin premix ^a	0.035
mineral premix ^b	0.23
unite bran	1.065
total	100.00

^aProvided per kilogram of diet: VA, 11375 IU; VD₃, 3500 IU; VE, 26.3 IU; VK₃, 3.5 mg; VB₁, 3.5 mg; riboflavin, 8.8 mg; VB₆, 5.4 mg; VB₁₂, 0.03 mg; pantothenic acid, 17.5 mg; niacin, 35.0 mg; folacin, 1.75 mg; biotin, 0.14 mg.

^bProvided per kilogram of diet: Cu, 64.4 mg; Fe, 165.4 mg; Mn, 47.8 mg; Zn, 47.8 mg; Se, 0.54 mg; I, 0.68 mg; Co, 0.1 mg.

Table S2. Antibody information used in this experiment.

Antibodies	Product name	Code No.	Company
Claudin 1	Anti-Claudin 1 Antibody	ab15098	Abcam
Occludin	Occludin Polyclonal Antibody	27260-1-AP	Proteintech Group

ZO-1	ZO-1 Polyclonal Antibody	21773-1-AP	Proteintech Group
JNK	SAPK/JNK Antibody	9252s	Cell Signaling Technology
p-JNK	Phospho-SAPK/JNK (Thr183/Tyr185) (81E11) Rabbit mAb	4668s	Cell Signaling Technology
NF-κB	NF-KB P65 Polyclonal Antibody	10745-1-AP	Proteintech Group
p-NF-κB	Phospho-NF-κB p65 (Ser536) (93H1) Rabbit mAb	3033s	Cell Signaling Technology
Erk	p44/42 MAPK (Erk1/2) Antibody	9102s	Cell Signaling Technology
p-Erk	Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) Antibody	9101s	Cell Signaling Technology
P38	P38 MAPK Monoclonal Antibody	66234	Proteintech Group
p-P38	Phospho-p38 MAPK (Thr180/Tyr182) (3D7) Rabbit mAb	4092s	Cell Signaling Technology
β-actin	Rabbit Anti-beta-Actin antibody	bs-0061R	Bioss
