

Table S1 The diet composition of control group and intervention groups

basal diet	Control		Mo group		Cd group		Mo+Cd group	
	0~3 week	After 3 week	0~3 week	After 3 week	0~3 week	After 3 week	0~3 week	After 3 week
Composition (%)								
Soybean meal	18.00	20.00	18.00	20.00	18.00	20.00	18.00	20.00
Corn	59.99	44.00	59.99	44.00	59.99	44.00	59.99	44.00
Wheat bran	11.00	14.40	11.00	14.40	11.00	14.40	11.00	14.40
Rice bran	—	11.00	—	11.00	—	11.00	—	11.00
Cottonseed meal	5.00	—	5.00	—	5.00	—	5.00	—
Bone meal	1.58	5.80	1.58	5.80	1.58	5.80	1.58	5.80
Fish meal	3.00	2.00	3.00	2.00	3.00	2.00	3.00	2.00
Salt	0.370	0.300	0.370	0.300	0.370	0.300	0.370	0.300
Met	0.060	0.100	0.060	0.100	0.060	0.100	0.060	0.100
CaHPO ₄	—	1.40	—	1.40	—	1.40	—	1.40
Premix*	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Total	100	100	100	100	100	100	100	100
Nutrient level								
Ca (%)	0.800	2.77	0.800	2.77	0.800	2.77	0.800	2.77
ME (MJ·kg ⁻¹)	11.93	11.44	11.93	11.44	11.93	11.44	11.93	11.44
Crude protein (%)	18.03	17.63	18.03	17.63	18.03	17.63	18.03	17.63
Met + Cys (%)	0.600	0.650	0.600	0.650	0.600	0.650	0.600	0.650
Total phosphorous (%)	0.670	0.700	0.670	0.700	0.670	0.700	0.670	0.700
Lys (%)	0.850	0.970	0.850	0.970	0.850	0.970	0.850	0.970
Available phosphorus (%)	0.350	0.400	0.350	0.400	0.350	0.400	0.350	0.400
Mo or/and Cd (mg/kg)								
[(NH ₄) ₆ Mo ₇ O ₂₄ ·4H ₂ O]	0.00	0.00	100.00	100.00	0.00	0.00	100.00	100.00
(3CdSO ₄ ·8H ₂ O)	0.00	0.00	0.00	0.00	4.00	4.00	4.00	4.00

*Per kilogram of premix contained the followings: V_{D3} 400 IU, V_A 2,500 IU, V_B 1,215.0 µg, V_{K3} 0.5 mg, V_E 10.0 mg, Riboflavin 4.0 mg, Thiamine 4.0 mg, Nicotinic acid 55.0 mg, Pantothenic acid 11.0 mg, Biotin 0.08 mg, Pyridoxine 2.5 mg, Folic acid 1.0 mg, Choline 1,300.0 mg, Se 0.20 mg, Fe 80.0 mg, Cu 10.0 mg, Zn 60.0 mg, Mn 50.0 mg.

Table S2 Gene primers sequence and their GenBank accession number

Gene name	Accession number	Primer sequences (5' to 3')
Caspase-1	XM_027446016.1	Forward: TCGGTGCTGGTGTCTGACTCA Reverse: AGACGGTATCAGGTGTGGAGGA
NLRP3	XM_005029958.4	Forward: CCAGCCTGAAGATCGGAGACCT Reverse: AGGAGCCACCCTAGAGGAGAGT
ASC	XM_013201308.1	Forward: CAGCATTCTGGATCGGCTCT Reverse: ATTTTCTCCTGCCTGATGCTT
NEK7	XM_027462475.1	Forward: CCTTAGTTGGTACACCTTATTA Reverse: TCCGGGTTGATGCACATATTA
GSDMA	XM_027445236.1	Forward: GATGGATTCGTGAGCGTGGACA Reverse: TGTTGCGTCTTCCGTAGTTGCT
GSDME	XM_021273107.2	Forward: GTGTGAACTCCTGCTCCGTGA Reverse: CCTAAGAGCTGCAAGAAGTCAACC
IL-1 β	DQ393268.1	Forward: TGGGCATCAAGGGCTACA Reverse: TCGGGTTGGTTGGTGATG
IL-18	XM_027444356.1	Forward: CTGATGACGATGAGCTGGAA Reverse: CAAAAGCTGCCATGTTTCAGA
Caspase-3	XM_027456288.1	Forward: AGGAATGAATCTACCTGCT Reverse: TCTACATCCGTACCCGAAC
Bax	KY788660.1	Forward: AAACCAAGCGGCTCAGCGAGT Reverse: GGCCCCAGTTGAAGGCTCCGTCC
Bak-1	XM_005026830.4	Forward: CACCAAGGAGAATGCCTACGAT Reverse: TCACCCGGCCCCAGTTAATGC
Cyt C	XM_027447873.1	Forward: CTGAAAGATGCCACTGCGAA Reverse: AGCACCCCACATATGAGCAAC
Bcl-2	XM_027451677.1	Forward: AGTACCTGAACCGGCACCT Reverse: TGCAAGCTCCCACCAGAACCA
β -actin	EF667345.1	Forward: ATGTCGCCCTGGATTTTCG Reverse: CACAGGACTCCATACCCAAGAAT