

Table S1. Dietary composition and nutritional component (air-dry basis).

| Items | Composition, % |
|-----------------------------|----------------|
| Ingredients | |
| Corn | 59.81 |
| Soya bean meal | 25.80 |
| Wheat flour | 5.00 |
| Rice bran meal | 3.00 |
| Corn germ meal | 3.00 |
| L-Lysine, 98.5 % | 0.11 |
| DL-Methionine, 99.0 % | 0.04 |
| L-Threonine, 99.0 % | 0.04 |
| L-Tryptophan, 99.0 % | 0.01 |
| Calcium hydrogen phosphate | 0.40 |
| Limestone | 1.00 |
| NaCl | 0.50 |
| Acidifying agent | 0.40 |
| Zinc oxide | 0.20 |
| Choline chloride | 0.10 |
| Mould inhibitor | 0.05 |
| Phytase | 0.02 |
| Compound enzyme | 0.02 |
| Mineral premix ^a | 0.50 |
| Nutrition level, % | |
| NE, MJ/Kg | 10.19 |
| Crude protein | 18.00 |
| Crude fat | 2.63 |
| Crude fiber | 3.79 |
| Crude ash | 5.03 |
| Lysine | 1.10 |

| | |
|------------|------|
| Methionine | 0.34 |
| Tryptophan | 0.21 |
| Threonine | 0.75 |
| Valine | 0.87 |

^aPremix supplied the following per kg complete diet: vitamin A, 3,800 IU; vitamin D₃, 800 IU; vitamin E, 9 mg; vitamin B₁, 1 mg; vitamin K₃, 1 mg; vitamin B₂, 2 mg; vitamin B₆, 1.2 mg; vitamin B₁₂, 10 µg; nicotinic acid, 10 mg; biotin, 50 µg; folic acid, 0.4 mg; iron (as FeSO₄ · H₂O), 80 mg; zinc, 80 mg; iodine (as KI), 0.14 mg; Se (as Na₂SeO₃), 0.25 mg; copper as (CuSO₄ · 5H₂O), 5 mg; and Mn (as MnSO₄ · H₂O), 3 mg.