Table S1 Formulation and proximate composition of experimental diets

|  |  |
| --- | --- |
| Item | Values |
| Ingredients, % |  |
| Corn | 56.69 |
| Soybean meal | 25.77 |
| Distillers dried grains with solubles | 4 |
| Calcium carbonate | 9.04 |
| Soybean oil | 1.51 |
| Dicalcium phosphate | 1.15 |
| Sodium chloride | 0.26 |
| DL-Methionine | 0.18 |
| Choline chloride | 0.15 |
| Montmorillonite | 0.25 |
| Premix | 1 |
| In total | 100 |
| Nutrient levels, % |  |
| Metabolizable energy, kcal/kg | 2599.1 |
| Crude protein | 16.5 |
| Total phosphorus | 0.53 |
| Non-phytate phosphorus | 0.32 |
| Calcium | 3.50 |

\*The composition of premixes: iron, 60 mg; manganese, 60 mg; copper, 8 mg; zinc, 80 mg; selenium, 0.3 mg; iodine, 0.35 mg; vitamin A, 8000 IU; vitamin D3, 1600 IU; vitamin E, 30 mg; menadione, 1.5 mg; vitamin C, 200 mg, thiamine, 4 mg; riboflavin, 13 mg; pantothenic acid, 15 mg; nicotinamide, 20 mg; pyridoxine, 6 mg; biotin, 0.15 mg; folic acid, 1.5 mg; cobalamin, 0.02 mg.