

**Table S1. Ingredient and nutrient levels of the diet**

| Item                              | 1-28d | 29-300d |
|-----------------------------------|-------|---------|
| Ingredient %                      |       |         |
| Corn                              | 64.0  | 61.5    |
| Soybean meal (Crude protein, 44%) | 27.0  | 13.6    |
| Fish meal (Crude protein, 56%)    | 3.0   | 3.0     |
| Alfalfa meal (Crude protein, 16%) | 2.0   | 16.0    |
| Soybean oil                       | 0.0   | 2.0     |
| Dicalcium phosphate               | 1.8   | 1.9     |
| Limestone                         | 0.9   | 0.8     |
| Salt                              | 0.3   | 0.2     |
| Premix <sup>1</sup>               | 1.0   | 1.0     |
| Nutrient levels <sup>2</sup>      |       |         |
| Metabolic energy, KJ/kg           | 11.20 | 10.85   |
| Crude protein, %                  | 19.86 | 15.75   |
| Ca, %                             | 0.80  | 0.80    |
| Total phosphorus, %               | 0.42  | 0.37    |
| Crude fiber, %                    | 4.85  | 6.00    |
| Lys, %                            | 0.90  | 0.65    |
| Met, %                            | 0.40  | 0.33    |
| Sulphur-amino acid, %             | 0.79  | 0.56    |
| Trp, %                            | 0.17  | 0.13    |
| Thr, %                            | 0.80  | 0.80    |
| Na, %                             | 0.30  | 0.30    |
| Cl, %                             | 0.25  | 0.25    |

Note: <sup>1</sup> Vitamin and mineral premix supplied kilogram diet: vitamin A, 20,000 IU; vitamin D3, 4,500 IU; vitamin E, 300 IU; vitamin K3, 20 mg; vitamin B1, 10 mg; vitamin B2, 120 mg; vitamin B6, 20 mg; vitamin B12, 0.2 mg; nicotinic acid, 600 mg; pantothenic acid, 180 mg; folic acid, 10 mg; folate, 10 mg; biotin, 0.8 mg; choline, 7 g; Fe, 1.2 g; Cu, 0.2 g; Mn, 1.9 g; Zn, 1.8 g; I, 10 mg; Se, 6 mg.

<sup>2</sup> Analyzed values.