

Table S1. The formulation and nutritional composition of experimental diets.

Item	Garlic powder levels in the diet (g/kg)														
	Starter phase (1-7 days)					Grower phase (8-22 days)					Finisher phase (23-42 days)				
	0	2.5	5.0	7.5	10	0	2.5	5.0	7.5	10	0	2.5	5.0	7.5	10
Ingredients (g/kg)															
Corn	552.9	552.9	552.9	552.9	552.9	606.8	606.8	606.8	606.8	606.8	501.1	501.1	501.1	501.1	501.1
Soybean meal (45%)	338.1	338.1	338.1	338.1	338.1	281.1	281.1	281.1	281.1	281.1	394.1	394.1	394.1	394.1	394.1
Dicalcium phosphate	8	8	8	8	8	7.5	7.5	7.5	7.5	7.5	8.2	8.2	8.2	8.2	8.2
Common salt	3.5	3.5	3.5	3.5	3.5	2	2	2	2	2	3.5	3.5	3.5	3.5	3.5
Mineral-vitamin premix ^[1, 2, 3]	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Soybean oil	35	35	35	35	35	39	39	39	39	39	30	30	30	30	30
Garlic powder	0	2.5	5	7.5	10	0	2.5	5	7.5	10	0	2.5	5	7.5	10
DL-Methionine (99%)	0	0	0	0	0	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.5	1.5	1.5
L-Lysine HCl (78.84%)	1.7	1.7	1.7	1.7	1.7	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6
L-Threonine (98%)	0.8	0.8	0.8	0.8	0.8	0.6	0.6	0.6	0.6	0.6	0	0	0	0	0
Kaolin	10	7.5	5	2.5	0	10	7.5	5	2.5	0	10	7.5	5	2.5	0
Calculated nutritional composition															
Metabolizable energy (kcal/kg)	2975	2975	2975	2975	2975	3050	3050	3050	3050	3050	3175	3175	3175	3175	3175
Crude protein (%)	21.94	21.94	21.94	21.94	21.94	21.09	21.09	21.09	21.09	21.09	20	20.2	20.2	20.2	20.2
Crude fibre (%)	3.07	3.07	3.07	3.07	3.07	2.90	2.90	2.90	2.90	2.90	2.74	2.74	2.74	2.74	2.74
Calcium (%)	0.878	0.878	0.878	0.878	0.878	0.836	0.836	0.836	0.836	0.836	0.761	0.761	0.761	0.761	0.761
Available phosphorus (%)	0.463	0.463	0.463	0.463	0.463	0.419	0.419	0.419	0.419	0.419	0.383	0.383	0.383	0.383	0.353
Sodium (%)	0.225	0.225	0.225	0.225	0.225	0.218	0.218	0.218	0.218	0.218	0.208	0.208	0.208	0.208	0.208
Digestible amino acids (%)															
Digestible lysine	1.307	1.307	1.307	1.307	1.307	1.256	1.256	1.256	1.256	1.256	1.069	1.069	1.069	1.069	1.069
Digestible methionine+ Cystine	0.967	0.967	0.967	0.967	0.967	0.929	0.929	0.929	0.929	0.929	0.791	0.791	0.791	0.791	0.791
Digestible tryptophan	0.235	0.235	0.235	0.235	0.235	0.226	0.226	0.226	0.226	0.226	0.1925	0.192	0.192	0.192	0.192
Digestible threonine	0.863	0.863	0.863	0.863	0.863	0.829	0.829	0.829	0.829	0.829	0.705	0.705	0.705	0.705	0.705
Digestible arginine	1.398	1.398	1.398	1.398	1.398	1.344	1.344	1.344	1.344	1.344	1.144	1.144	1.144	1.144	1.144

^[1] Mineral-vitamin premix - Starter phase, composition per kg of product (min.): Calcium 180 g; Phosphorus 28 g; Sodium 32 g; Lysine 15 g; Methionine 30 g; Choline 2500 mg; Vitamin A 160,000 IU; Vitamin D3 35,000 IU; Vitamin E 400 IU; Vitamin K3 36 mg; Vitamin B1 32 mg; Vitamin B2 140 mg; Vitamin B6 20 mg; Vitamin B12 320 mcg; Calcium Pantothenate 210 mg; Niacin 640 mg; Folic Acid 24 mg; Biotin 1.4 mg; Virginiamycin 200 mg; Salinomycin 1000 mg; Iron 800 mg; Copper 480 mg; Iodine 14 mg; Manganese 1040 mg; Zinc 840 mg; Selenium 3.8 mg; Phytase 10,000. ^[2] Mineral-vitamin premix - Grower phase, composition per kg of product (min.): Calcium 100 g; Phosphorus 15 g; Sodium 32 g; Lysine 16 g; Methionine 21 g; Choline 2000 mg; Vitamin A 120,000 IU; Vitamin D3 24,000 IU; Vitamin E 320 IU; Vitamin K3 26 mg; Vitamin B1 20 mg; Vitamin B2 90 mg; Vitamin B6 16 mg; Vitamin B12 240 mcg; Calcium Pantothenate 160 mg; Niacin 480 mg; Folic Acid 18 mg; Salinomycin 960 mg; Iron 600 mg; Copper 320 mg; Iodine 8 mg; Manganese 720 mg; Zinc 640 mg; Selenium 2.8 mg; Phytase 10,000. ^[3] Mineral-vitamin premix - Grower phase, composition per kg of product (min.): Calcium 180 g; Phosphorus 40 g; Sodium 32 g; Lysine 8000 mg; Methionine 40 g; Choline 5000 mg; Vitamin A 200,000 IU; Vitamin D3 80,000 IU; Vitamin E 800 IU; Vitamin K3 60 mg; Vitamin B1 40 mg; Vitamin B2 240 mg; Vitamin B6 40 mg; Vitamin B12 480 mcg; Calcium Pantothenate 300 mg; Niacin 640 mg; Folic Acid 36 mg; Biotin 3.6 mg; Virginiamycin 300 mg; Nicarbazine (min.) 2000 mg; Iron (min.) 960 mg; Copper (min.) 450 mg; Iodine (min.) 18 mg; Manganese (min.) 1200 mg; Zinc (min.) 1000 mg; Selenium (min.) 5 mg; Phytase (min.) 10,000.