

Table S1: Ingredient and nutrient compositions of the basal diets

Item	Starter (0–10 d)	Grower I (11–20 d)	Grower II (21–30 d)	Finisher (31–41 d)
Ingredient				
Wheat, 11.6%	37.00	38.00	33.00	40.00
Soybean meal, 46%	29.05	24.94	27.16	24.0
Maize, 8%	25.93	27.39	28.74	25.32
Soya oil	2.68	2.78	3.79	3.66
Canola meal, 32.5%	-	2.50	2.50	3.01
Potato protein, 73%	1.50	1.0	0.50	-
Limestone	1.27	0.85	0.78	0.67
Monocalcium phosphate	0.92	0.43	0.30	0.11
Vitamin and mineral premix ¹	0.53	0.53	0.60	0.59
Poultry fat	-	0.50	1.50	1.50
L-Lys-HCl	0.39	0.40	0.41	0.43
DL-Met	0.26	0.17	0.18	0.17
Salt	0.24	0.27	0.28	0.28
NaHCO ₃	0.14	0.13	0.15	0.14
Thr	0.07	0.06	0.07	0.07
Choline chloride	-	0.03	0.02	0.03
Phytase premix ²	0.02	0.02	0.02	0.02
Total	100	100	100	100
Calculated analysis				
ME (kcal/kg)	2800.0	2865.0	2984.1	3020.0
Lys	1.26	1.16	1.15	1.07
Met	0.56	0.46	0.45	0.44
Ca	0.86	0.67	0.71	0.65
P	0.56	0.47	0.42	0.39
Na	0.15	0.15	0.15	0.15
Analyzed nutrient composition³				
CP	21.06	19.58	19.56	18.52
Crude fiber	2.93	3.04	3.36	3.38
Crude fat	4.34	4.60	7.18	7.36
Crude ash	5.42	4.67	4.28	4.00

¹Vitamin-mineral premix contained the following per kilogram of diet: vitamin A, 12,000 IU; vitamin D3, 5,000 IU; vitamin E, 50 mg; vitamin B1, 3 mg; vitamin B2, 10 mg; vitamin B6, 3 mg; vitamin B12, 15 µg; nicotinic acid, 60 mg; pantothenic acid, 14.7 mg; folic acid, 1.5 mg; iron, 63 mg; copper, 15 mg; cobalt, 1.0 mg; zinc, 100 mg; iodine, 1.0 mg; selenium, 0.3 mg, antioxidant (BHA)

²Phytase premix was prepared by dilution with calcium carbonate to contain 1,000 FTU (phytase units)/g (Optiphos, Huvepharma AD, Sofia, Bulgaria)

³Based on a DM content of 87.5%