

Table S1. Details of diets, ingredient composition, and proximate analysis published in Basto-Silva, *et al.* [28].

	Diets			
	FM-P50/CH10	FM-P40/CH20	PF-P50/CH10	PF-P40/CH20
<i>Ingredients (%DM)</i>				
Fishmeal ¹	64.8	51.9	13.0	10.4
Soybean meal ²	-	-	25.0	19.1
Wheat gluten ³	-	-	12.7	9.0
Corn gluten ⁴	-	-	22.6	20.0
Fish oil ⁵	10.4	11.9	15.2	15.7
Pregelatinized maize starch ⁶	10.0	20.0	5.9	16.6
Cellulose ⁷	11.3	12.7	-	2.9
Monocalcium phosphate ⁸	-	-	1.5	2.1
Lysine ⁹	-	-	0.6	0.5
Taurine ¹⁰	-	-	0.2	0.2
Vitamin mix ¹¹	1.0	1.0	1.0	1.0
Mineral mix ¹²	1.0	1.0	1.0	1.0
Binder ¹³	1.0	1.0	1.0	1.0
Choline chloride (50%)	0.5	0.5	0.5	0.5
<i>Proximate analysis (%DM)</i>				
Dry matter	92.1	92.9	93.8	90.3
Crude protein	51.3	39.1	50.6	38.0
Crude fat	18.7	18.6	18.7	18.4
Ash	8.6	7.5	6.4	5.6
Starch	9.0	17.2	11.4	18.2
Gross energy (kJ g ⁻¹)	23.7	21.2	22.1	20.6

CH: Carbohydrate; CP: Crude protein; DM: Dry matter; FM: Fishmeal; GL: Gross lipid; P: Protein; PF: Plant-feedstuffs.

¹Sorgal. S.A. Ovar. Portugal (CP: 77.1% DM; GL: 11.8% DM).

²Sorgal. S.A. Ovar. Portugal (CP: 52.0% DM; GL: 1.9% DM).

³Sorgal. S.A. Ovar. Portugal (CP: 83.1% DM; GL: 1.4% DM).

⁴Sorgal. S.A. Ovar. Portugal (CP: 70.1% DM; GL: 2.8% DM).

⁵Sorgal. S.A. Ovar. Portugal.

⁶C-Gel instant 12018. Cerestar. Mechelen. Belgium.

⁷α- Cellulose (C-8002). Sigma-Aldrich. Sintra. Portugal.

⁸Sorgal. S.A. Ovar. Portugal.

⁹Feed-grade lysine. Sorgal. S.A. Ovar. Portugal.

¹⁰Feed-grade taurine. Sorgal. S.A. Ovar. Portugal.

¹¹Vitamins (mg kg⁻¹ diet): retinol acetate. 18000 (IU kg⁻¹ diet); cholecalciferol. 2000 (IU kg⁻¹ diet); alpha tocopherol acetate. 35; sodium menadione bisulphate. 10; thiamin-HCl. 15; riboflavin. 25; calcium pantothenate. 50; nicotinic acid. 200; pyridoxine HCl. 5; folic acid 10; cyanocobalamin. 0.02; biotin. 1.5; ascorbic acid. 50; inositol. 400. Premix. Lda. Viana do Castelo. Portugal.

¹²Minerals (mg kg⁻¹ diet): copper (II) sulphate. 5; ferrous carbonate. 40; fluorine. 1; potassium iodide. 0.6; magnesium oxide. 500; manganese oxide. 20; sodium selenite. 0.3; zinc oxide. 30; Minerals content (%): Calcium. 17; Phosphorus. 13; Potassium. 6; Chloride. 7; Sodium chloride. 4. Premix. Lda. Viana do Castelo. Portugal.

¹³Liptosa. Madrid. Spain.