

Table S1 Experimental diet composition and nutrient levels

Ingredient (%)	Casein	Hydrolyzed Casein
Casein (89% CP)	25.00	
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Sucrose	10.00	10.00
Cornstarch	34.75	34.75
Dextrinized cornstarch	13.20	13.20
Cellulose	5.00	5.00
Soybean oil	7.00	7.00
Choline chloride	0.25	0.25
L-Cystine	0.30	0.30
¹ Mineral mix	3.50	3.50
² Vitamin mix	1.00	1.00
Total	100.00	100.00
Nutritional level		
³ Energy (Kcal/g)	3.89	3.89
Total protein (%)	22.25	22.25
Total fat (%)	7.00	7.00
Total carbohydrate (%)	57.95	57.95
Fiber (%)	5.00	5.00

¹ Mineral mixture (per kg diet): Ca 5 g; P 1.5 g; K 3.6 g; Mg 0.5 g; Fe 45 mg; Cu 6.0 mg; Mn 10.0 mg; Zn 36.6 mg; I 0.2 mg; Na 1g; Se 0.18mg; chlorine 1.6 g; fluorine 1 mg; chromium 1 mg; molybdenum 0.15 mg.

² Vitamin mix (per kg diet): vitamin A 4000 IU; vitamin D₃ 1000 IU; vitamin K₃ 0.09 mg; vitamin B₁₂ 25 µg; vitamin B₆ 6 mg; riboflavin 6 mg; biotin 0.2 mg; folic acid 2.0 mg; nicotinamide 30 mg; D-pantothenic acid 15 mg.

³ The energy of diets was calculated based on the contents of protein, fat and carbohydrate.