

TABLE SI Ingredient and nutrient composition of experimental gestation diets and common lactation diet (as-fed basis)

Item	Gestation diet	Lactation diet
Ingredient, %	Control ¹	KF ¹
Corn	56.3	54.5
Soybean meal, 43% CP	10	10.3
Wheat bran	30.4	29.7
<i>Konjac</i> flour ²	0	2.2
Calcium carbonate	1.2	1.2
Dicalcium phosphate	1.04	1.04
Salt	0.4	0.4
Mildewcide ³	0.12	0.12
Choline chloride	0.14	0.14
Premix ⁴	0.4	0.4
Nutrient composition		
Net energy, MJ/kg ⁵	9.32	9.38
Crude protein, %	14.06	14.25
ISF, % ⁶	20.12	20.36
SF, % ⁷	2.38	3.57
NDF, % ⁸	19.7	20.32
ADF, % ⁹	5.42	5.58
Lys, % ⁵	0.61	0.61
Ca, % ⁵	0.77	0.77
Available P, % ⁵	0.33	0.32
		0.45

¹C =control diet group; KF=2.2% *konjac* flour diet group.

²*Konjac* flour contains 8% crude protein, 10.81% insoluble fiber, 61.03% soluble fiber, 48.66% NDF and 3.76% ADF.

³Mildewcide: ammonium propionate.

⁴ Provided per kg of diet: Cu 30 mg; Fe 160 mg; Zn 160 mg; Mn 55 mg; I 0.5mg; Se 0.5; Co 0.8mg; Cr 0.2mg; Vitamin A 14000 IU; Vitamin D₃ 2900 IU; Vitamin E 120 mg; Vitamin K₃ 6mg; Vitamin B₁ 2.4 mg; Vitamin B₂ 8.5mg; Vitamin B₆ 4.5 mg; Vitamin B₁₂ 0.03 mg; Vitamin H 0.55mg; Pantothenic acid 30mg; Folic acid 5mg; Nicotinamide 50mg.

⁵Calculated chemical concentrations using values for feed ingredients from the NRC (1998).

⁶insoluble fiber.

⁷solubel fiber.

⁸neutral detergent fiber.

⁹acid detergent fiber.

TABLE S2 Raw reads, valid sequences reads and valid ratio (%) from four groups

Group	Raw reads	High quality sequences	Valid ratio (%)
Control	25,036	19,862	80.80
<i>Konjac</i> flour	19,483	16,092	86.11
Gestation	22,155	17,977	83.45
Lactation	25,172	19,310	77.17