

- 1 **Supplementary Table 1.** Composition and nutrient levels of the diet (% , as-fed basis
2 unless otherwise stated)

Items	Contents
Maize	62.78
Soybean meal	15.00
Fermented soybean meal	7.00
Extruded soybean	7.00
Soy protein isolate	1.30
Soyabean oil	2.00
CaHPO ₄	1.80
Limestone	0.80
Salt	0.35
L-lysine-HCl, 78%	0.52
L-methionine	0.13
L-threonine	0.15
L-isoleucine	0.10
L-tryptophan	0.01
L-histidine	0.01
Calcium propionate, 50%	0.05
Premix ^a	1.00
Total	100.00
Nutrient levels ^b	

Digestible energy, Mcal/kg	3.47
Metabolizable energy, Mcal/kg	3.30
Crude protein	20.36
Total lysine	1.51
Total methionine	0.46
Total methionine + cystine	0.86
Total threonine	0.94
Total tryptophan	0.40
Total histidine	0.77
Total isoleucine	0.79
Total valine	1.20
Total calcium	0.82
Total phosphorus	0.65

3 ^aProvide the following per kg complete diet: Vitamin A, 8,000 IU; Vitamin D₃, 3,000
4 IU; Vitamin E, 20 IU; Vitamin K₃, 3 mg; Vitamin B₁, 2 mg; Vitamin B₂, 5 mg;
5 Vitamin B₆, 7 mg; Vitamin B₁₂, 0.02 mg; Niacin, 30 mg; Pantothenic acid, 15 mg;
6 Folic acid, 0.3 mg; Biotin, 0.08 mg; Choline chloride, 500 mg; Fe (from ferrous
7 sulfate), 110 mg; Cu (from copper sulfate), 7 mg; Mn (from manganese sulfate), 5
8 mg; Zn (from zinc sulfate), 110 mg; I (from calcium iodate), 0.3 mg; Se (from sodium
9 selenite), 0.3 mg.

10 ^bAll nutrient levels were analyzed values, except digestible energy and metabolizable
11 energy.