

Table S1. Ingredients and nutrient composition of basal diets (DM basis)

| Ingredients (% of fed basis) | Content |
|--------------------------------|---------|
| Peanut vines | 50.00 |
| White distiller's grains | 10.00 |
| Soybean residues | 10.00 |
| Green hay | 9.30 |
| Corn | 16.00 |
| Soybean meal | 3.00 |
| Premix | 1.00 |
| Salt | 0.50 |
| Limestone | 0.20 |
| Total | 100.00 |
| Chemical composition (% of DM) | |
| Dry matter, % | 90.15 |
| Crude protein | 11.95 |
| Neutral detergent fiber | 42.74 |
| Acid detergent fiber | 28.61 |
| Ether extract | 2.35 |
| Ash | 8.72 |

Premix contained per kilogram feed: vitamin A was 4000000 IU, vitamin D was 600000 IU, vitamin E was 25000 mg, DL-methionine was 7000 mg, L-lysine was 5000 mg, Cu was 1300 mg, Fe was 1000 mg, Zn was 1575 mg, and Mn was 595 mg.