

**Supplementary files 10 Composition and nutrient levels of basal diets**

<b>Ingredient</b>	<b>Dry matter basis (%)</b>
Corn grain	28.70
Wheat bran	5.30
Soybean meal	6.40
Cottonseed meal	8.00
Chinese wild rye	25.00
Alfalfa hay	25.00
Calcium hydrogen phosphate	0.55
Mineral and vitamin premix <sup>1</sup>	0.50
Salt	0.55
<b>Nutrient composition</b>	<b>Dry matter basis (%)</b>
NE <sub>L</sub> (MJ·kg <sup>-1</sup> ) <sup>2</sup>	6.48 MJ·kg <sup>-1</sup>
Crude protein	15.40
Neutral detergent fiber	39.60
Acid detergent fiber	21.70
Ca	0.80
P	0.46

Note: <sup>1</sup> Contained (per kilogram) vitamin A  $9.5 \times 10^5$  IU, vitamin D  $4 \times 10^4$  IU, vitamin E  $7.5 \times 10^3$  IU, Fe  $3 \times 10^3$  mg, Cu  $2 \times 10^3$  mg/kg, Mn  $2.5 \times 10^3$  mg, Zn  $8 \times 10^3$  mg, Co 20 mg, I 2100 mg and Se 60 mg. <sup>2</sup> NE<sub>L</sub> is calculated based on the composition of raw materials. The rest are measured values.