Supplementary Material

**Table S1.** Composition and nutrient levels of the basal diet, % of DM

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| Ingredients | content |
| Corn straw silage | 17.18 |
| Corn straw | 8.86 |
| Corn | 44.31 |
| Bran | 3.69 |
| Concentrates | 8.86 |
| Soybean meal | 2.58 |
| Cottonseed meal | 3.69 |
| Rapeseed meal | 1.85 |
| Corncob | 4.43 |
| Malt sprout | 1.85 |
| Oil | 0.74 |
| Premix 1) | 1.85 |
| NaCl | 0.07 |
| NaHCO3 | 0.04 |
| Total | 100 |
| Nutrient levels 2) |  |
| DM | 88.30 |
| CP | 13.49 |
| DE/(MJ/kg) | 12.85 |
| NDF | 24.97 |
| Ca | 0.51 |
| P | 0.31 |

1) The premix provided the following per kg of the diet: 100,000 IU of vitamin A, 800,00 IU of vitamin D, 550 IU of vitamin E, 1800 mg of Mn, 2100 mg of Zn, 1200 mg of Fe, 300 mg of Cu, 20 mg of I, 8 mg Se.

2) Nutrient levels were measured value.