Table S1 Ingredients and nutrient composition of the experimental diets for pregnant sheep in this study

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| --- | --- |
| Items | Diets |
| Ingredient composition (% DM) |  |
| Rye silage | 42.3 |
| Oat hay | 34.6 |
| Maize | 12 |
| Soybean | 5.8 |
| Barley | 4.2 |
| Premix1 | 1.1 |
| Nutrient composition |  |
| Metabolic energy (MJ/kg DM) | 11.64 |
| CP (% DM) | 14.71 |
| Crude fat (% DM) | 2.95 |
| NDF (% DM) | 48.32 |
| ADF (% DM) | 29.09 |
| Crude ash (% DM) | 7.35 |
| Calcium (% DM) | 0.5 |
| Phosphorus (% DM) | 0.37 |

DM = dry matter basis.

1The premix (per kg) contained: vitamin A 64.8 mg, vitamin D2 1.35 mg, vitamin E 1080 mg, nicotinic acid 353 mg, Mn 537 mg, Cu 540 mg, Zn 2422 mg, Co 7.2 mg, I 32 mg, Se 18 mg, P 66 g, Ca 130 g, NaHCO3 89 g and NaCl 140 ~ 180 g.