

S1 Table. Composition of experimental diets for barrows

| Item | Dietary crude protein concentration, % | |
|--|--|-------|
| | 14 | 20 |
| Ingredients, % | | |
| *Digestible energy (MJ/kg) | 14.60 | 14.60 |
| Crude protein | 14.14 | 20.27 |
| Lysine | 1.26 | 1.26 |
| Methionine and cysteine | 0.63 | 0.62 |
| Threonine | 0.76 | 0.76 |
| Tryptophan | 0.20 | 0.20 |
| Arginine | 0.71 | 1.09 |
| Histidine | 0.30 | 0.44 |
| Isoleucine | 0.46 | 0.71 |
| Leucine | 1.11 | 1.52 |
| Phenylalanine | 0.56 | 0.81 |
| Valine | 0.54 | 0.72 |
| Calcium | 0.70 | 0.69 |
| Phosphorus | 0.53 | 0.57 |
| Essential amino acids | 6.29 | 7.91 |
| Non-essential amino acids | 6.84 | 9.74 |
| Essential amino acids /non-essential amino acids | 0.90 | 0.80 |