Increasing levels of rapeseed expeller meal in diets for pigs: Effects on protein and energy metabolism

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**Supplementary Material S1** Chemical composition of dietary ingredients

Barley: 86.2% DM, 7.4% CP, 1.3% fat, 53.5% starch, 16.0% NDF, 5.1% ADF, 1.6% ash.

Whole wheat: 86.4% DM, 11.1% CP, 1.6% fat, 58.1% starch, 9.0% NDF, 2.2% ADF, 1.4% ash.

Soybean meal: 88.4% DM, 46.1% CP, 1.0% fat, 0.3% starch, 6.3% ash.

Oats: 86.8% DM, 7.6% CP, 5.5% fat, 26.2% NDF, 40.0% starch, 2.3% ash.

Rapeseed expeller meal: 90.1% DM, 34.0% CP, 11.1% fat, 1.2% starch, 20.1% NDF, 6.0% ash, 6.97 μmol/g progroitin, 1.59 μmol/g 4-hydroxyglucobrassicin, 1.26 μmol/g glucobrassicanapin, 0.76 μmol/g glucobrassicin, 0.74 μmol/g gluconapin, 11.3 μmol/g total glucosinolates.