

Title of data set: Apparent ileal digestibility of Maillard reaction products in growing pigs

Calculation of apparent digestibility values of Maillard reaction products for each experimental unit

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Data collected from analysis of MRP content in diets and digesta using UHPLC-MS

Corrected intake calculated as the intake of the experimental unit 4 hours before euthanasia minus the average intake for the experimental treatment (in kg)

Apparent ileal digestibility calculated as: $100 - [(X_{\text{chyme}}/X_{\text{diet}}) * (\text{TiO}_2_{\text{diet}}/\text{TiO}_2_{\text{chyme}}) * 100]$, where X represents the content of the compound and TiO₂ the content of titanium dioxide.

Name	Explanation
Eartag	Refers to the ID of each experimental unit
Diet	Refers to the experimental treatment; (1) 60 min toasted rapeseed meal - mash diet, (2) 120 min toasted rapeseed meal - mash diet, (3) 60 min toasted rapeseed meal - pelleted diet, (4) 120 min toasted rapeseed meal - pelleted diet, (5) 60 min toasted rapeseed meal - extruded diet, (6) 120 min toasted rapeseed meal - extruded diet
CorrIntake	Refers to Corrected intake; calculated as the intake of the experimental unit 4 hours before euthanasia minus the average intake for the experimental treatment (in kg)
CMLdiet	Refers to carboxymethyl-lysine content in the diet (g/kg)
LALdiet	Refers to lysinoalanine content in the diet (g/kg)
FURdiet	Refers to furosine content in the diet (g/kg)
CELdiet	Refers to carboxyethyl-lysine content in the diet (g/kg)
LYSdiet	Refers to lysine content in the diet (g/kg)
TIO2diet	Refers to titanium dioxide content in the diet (g/kg)
CMLile	Refers to carboxymethyl-lysine content in the digestive content collected at the ileum (g/kg)
LALile	Refers to lysinoalanine content in the digestive content collected at the ileum (g/kg)
FURile	Refers to furosine content in the digestive content collected at the ileum (g/kg)
CELile	Refers to carboxyethyl-lysine content in the digestive content collected at the ileum (g/kg)
LYSile	Refers to lysine content in the digestive content collected at the ileum (g/kg)
TIO2ile	Refers to titanium dioxide content in the digestive content collected at the ileum (g/kg)

CMLaid	Refers to the calculated caboxymethyl - lysine apparent ileal digestibility value, based on the contents of the diet and the digesta collected at the ileum (%)
LALaid	Refers to the calculated lysinoalanine apparent ileal digestibility value, based on the contents of the diet and the digesta collected at the ileum (%)
FURaid	Refers to the calculated furosine apparent ileal digestibility value, based on the contents of the diet and the digesta collected at the ileum (%)
CELaid	Refers to the calculated caboxyethyl - lysine apparent ileal digestibility value, based on the contents of the diet and the digesta collected at the ileum (%)
LYSaid	Refers to the calculated lysine apparent ileal digestibility value, based on the contents of the diet and the digesta collected at the ileum (%)