



Supplementary Item 3:

Q-Q plots of standardised level 1 residuals for faecal dry matter model and intestinal contractions model

Fig A: Q-Q plot of standardised level 1 residuals for the faecal dry matter model for 7 horses during a transition from pasture to stabled management regime.

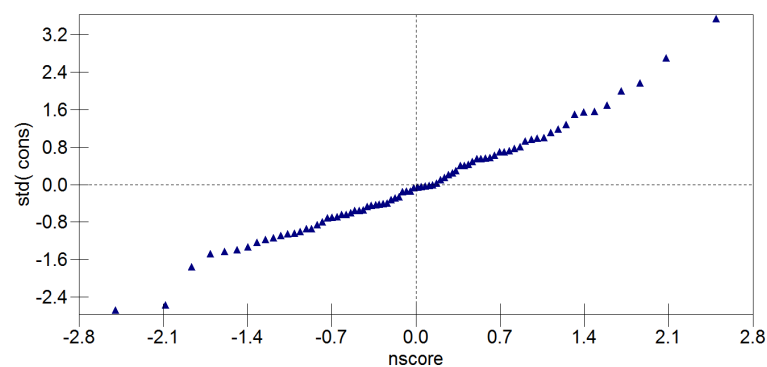
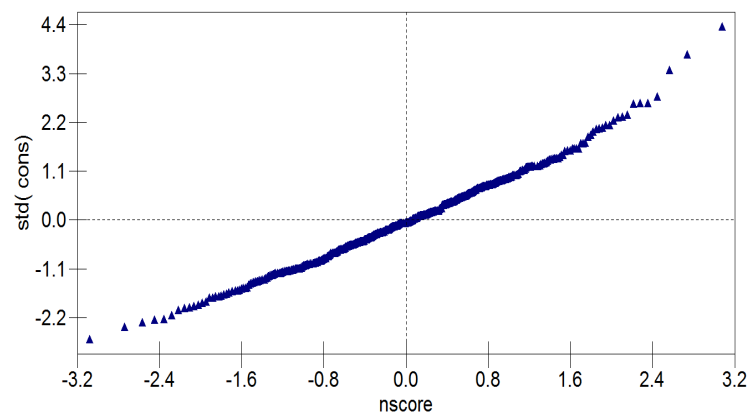


Fig B: Q-Q plot of standardised level 1 residuals for the contractions model for 7 horses during a transition from pasture to stabled management regime.



These Q-Q plots of standardised level 1 residuals illustrate that residuals are approximately normally distributed and are in line with model assumptions, suggesting a good model fit to the data.