



Supplementary Item 5:

Final model of intestinal motility (contractions/minute) for seven horses during a transition from pasture to stabled management regime. Intestinal motility was measured twice daily (AM and PM) using transcutaneous ultrasonography in three regions of the large intestine (caecum, sternal flexure and aboral left ventral colon). Coefficients show the mean difference of each predictor variable from the reference category. Standard errors which are less than half of each coefficient are significant at $p < 0.05^*$.

Intestinal motility (contractions/min)			
Predictor Variables	Coefficients	Standard Error*	Confidence interval
Intercept	2.8		
Region of large colon (caecum)	Ref category		
Region of large colon (sternal flexure)	-0.45	0.09	(-0.63, -0.27)
Region of large colon (left ventral colon)	-1.6	0.09	(-1.78, -1.42)
Day 0	Ref category		
Day 1	-0.06	0.14	(-0.33, 0.21)
2	-0.76	0.14*	(-1.03, -0.49)
3	0.24	0.14	(-0.03, 0.51)
4	-0.05	0.17	(-0.38, 0.28)
5	0.31	0.14	(0.04, 0.58)
6	0.12	0.14	(-0.15, 0.39)
8	-0.20	0.14	(-0.47, 0.07)
10	-0.23	0.14	(-0.50, 0.04)
12	0.07	0.14	(-0.20, 0.34)
15	-0.14	0.14	(-0.41, 0.13)
Interaction: Day 4 x left ventral colon	-0.63	0.28*	(-1.18, -0.08)