

Supplementary Table S1. Apparent total tract digestibility of nutrients (%) in Standardbred horses, ponies and Andalusian horses adapted to eating a fibre-based control diet ($n = 3$ of each breed), hypercaloric cereal-rich diet ($n = 4$ of each breed) or hypercaloric fat-rich diet ($n = 4$ of each breed) over 20 weeks (mean \pm standard deviation).

	Control	Cereal-rich	Fat-rich	Statistical analysis *	
Gross energy					
All breeds combined	50.5 ± 8.2 ^a	69.8 ± 10.6 ^b	66.1 ± 11.6 ^b	Diet	<i>p</i> = 0.001
Standardbreds	46.6 ± 7.4	75.9 ± 14.1	67.3 ± 18.7	Breed	<i>p</i> = 0.73
Ponies	48.8 ± 9.5	65.8 ± 10.2	65.3 ± 10.3	Diet × Breed	<i>p</i> = 0.64
Andalusians	56.2 ± 6.7	67.6 ± 5.8	65.8 ± 5.5		
Dry matter					
All breeds combined	52.5 ± 7.1 ^a	66.2 ± 5.3 ^b	63.9 ± 11.4 ^b	Diet	<i>p</i> < 0.001
Standardbreds	49.3 ± 3.2	60.7 ± 16.3	58.3 ± 15.9	Breed	<i>p</i> = 0.64
Ponies	50.3 ± 8.3	69.1 ± 9.8	66.8 ± 11.5	Diet × Breed	<i>p</i> = 0.81
Andalusians	57.8 ± 5.7	68.8 ± 5.4	66.8 ± 5.3		
Neutral detergent fibre					
All breeds combined	43.6 ± 7.5 ^a	63.5 ± 12.1 ^b	61.6 ± 11.1 ^b	Diet	<i>p</i> < 0.001
Standardbreds	40.4 ± 3.7	70.9 ± 12.5	61.7 ± 16.9	Breed	<i>p</i> = 0.84
Ponies	41.2 ± 8.1	60.2 ± 14.2	63.2 ± 10.4	Diet × Breed	<i>p</i> = 0.49
Andalusians	49.1 ± 8.8	59.4 ± 7.8	59.9 ± 6.8		
Starch					
All breeds combined	79.7 ± 10.3 ^a	97.1 ± 2.2 ^b	85.0 ± 11.4 ^a	Diet	<i>p</i> < 0.001
Standardbreds	77.0 ± 13.1	98.5 ± 1.2	85.4 ± 12.9	Breed	<i>p</i> = 0.95
Ponies	78.5 ± 12.0	94.4 ± 1.7	87.2 ± 10.8	Diet × Breed	<i>p</i> = 0.79
Andalusians	83.4 ± 8.4	98.1 ± 0.5	82.3 ± 6.7		
Crude protein					
All breeds combined	41.0 ± 10.9 ^a	61.3 ± 16.0 ^b	61.8 ± 12.2 ^b	Diet	<i>p</i> = 0.004
Standardbreds	40.6 ± 4.5	67.7 ± 25.9	64.6 ± 20.0	Breed	<i>p</i> = 0.55
Ponies	35.3 ± 14.8	56.2 ± 11.7	61.5 ± 11.1	Diet × Breed	<i>p</i> = 0.84
Andalusians	47.0 ± 11.5	60.1 ± 6.4	59.3 ± 0.6		
Crude fat					
All breeds combined	23.6 ± 13.5 ^a	55.3 ± 16.9 ^b	77.2 ± 12.6 ^c	Diet	<i>p</i> < 0.001
Standardbreds	18.3 ± 9.7	66.0 ± 24.8	80.8 ± 16.5	Breed	<i>p</i> = 0.41
Ponies	25.7 ± 14.5	50.0 ± 9.3	70.7 ± 13.6	Diet × Breed	<i>p</i> = 0.64
Andalusians	26.7 ± 19.1	54.9 ± 7.0	80.1 ± 6.3		

^{a,b,c} Different superscript letters indicate significant difference between diet groups within the same row ($p < 0.05$).

* The statistical analysis was performed using a general linear model to evaluate the effects of diet, breed, and the interaction of diet \times breed, with Bonferroni's *post hoc* test performed for pairwise comparisons.