Supplementary materials

Table S1. Ingredients and chemical composition of experimental diets, with two levels of carob pulp (Cp, 0 vs. 20%) and two doses of vitamin E (Vit E, 40 vs. 300 IU/kg).

Item	0% Cp-Low Vit E	0% Cp-High Vit E	20% Cp-Low Vit E	20% Cp-High Vit E
Ingredients (g/kg of feed)				
Carob pulp	0		200	
Corn	204		267	
Barley	361		150	
Wheat	50		50	
Soybean husk	150		50	
Soy 47%	198		235	
Palm oil	2		18.5	
CaCO3	25.4		20	
Salt	5		5	
Vitamin-mineral premix	4		4	
Vitamin E 50% all-rac-alpha-tocopheryl acetate	0	0.5	0	0.5
Nutrients (g/kg of DM feed)				
Dry matter	890		885	
Crude protein	173		175	
Ether Extract	25.6		33.6	
Crude fibre	76.9		54.3	
Total sugar	24.7		96.0	
Neutral Detergent Fibre	182		178	
Acid Detergent Fibre	101		80	
Acid-Detergent Lignin	0.88		2.44	
Starch	458		387	
Ash	55.9		63.4	
Calcium	12.8		13.2	
Phosphorus	3.26		4.57	
Gross energy (MJ/kg DM basis)	17.9		18.8	