

Table S1. Chemical composition of the commercial and experimental diets consumed by Alentejano pigs slaughtered at ~160 kg LW

	Growing diet A ¹	Growing diet B ²	Fattening diet ³	Experimental diet ⁴
Dry matter (DM) (g/100 g)	90.7	91.8	90.8	90.5
	(g/100 g DM)			
Total ashes	7.6	7.1	8.1	8.2
Crude protein (N x 6.25)	16.8	16.0	13.8	13.8
Lysine ⁵	0.73	0.59	0.47	0.48
Methionine ⁵	0.24	0.24	0.20	0.18
Cysteine + cystine ⁵	0.29	0.29	0.26	0.22
Tryptophan ⁶	0.20	0.20	0.16	0.14
Total fiber ⁷	17.4	23.6	26.9	40.2
Insoluble fiber ⁷	6.1	13.1	15.1	28.0
Neutral detergent fiber (NDF)	24.1	25.3	22.6	29.9
Acid detergent fiber (ADF)	7.3	11.1	9.4	13.2
Acid detergent lignin (ADL)	0.74	1.59	1.64	0.90
Hemicellulose ⁸	16.8	14.2	13.2	16.7
Cellulose ⁹	5.5	9.1	6.5	10.4
Total sugars ¹⁰	3.5	3.1	3.0	1.88
Total starch ¹¹	47.0	51.8	45.5	40.1
Total lipids	3.0	4.0	6.8	6.2
Palmitic acid (C16:0)	0.44	0.45	0.66	0.66
Oleic acid (C18:1 <i>n</i> -9)	1.88	3.03	4.42	5.41
Linoleic acid (C18:2 <i>n</i> -6)	1.33	1.01	1.66	1.55
Saturated fatty acids	0.44	0.56	0.88	0.88
Monounsaturated fatty acids	1.88	3.03	4.42	5.41
Polyunsaturated fatty acids	1.33	1.01	1.77	1.66
Σ <i>n</i> -3	0.09	0.10	0.14	0.15
Σ <i>n</i> -6	1.20	0.94	1.46	1.39
	(MJ/kg)			
Digestible energy ¹²	13.6	13.2	13.2	13.1

Notes: ¹Fed from 40 to 60 kg LW to all experimental groups; ²Fed from 60 to 120 kg to all experimental groups; ³Fed from 120 to 160 kg to C and I, and from 120 to 130 kg to IExp group; ⁴Fed from 130 to 160 kg to IExp group; ⁵[20]; ⁶[21]; ⁷[22] method 991.43; ⁸Hemicellulose = NDF-ADF; ⁹[23]; ¹⁰[22] method 982.14; ¹¹[24]; ¹²[25].

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