

Supplementary

Table S1. Chemical compositions and metabolizable energy values of double-low rapeseed cakes used in Exp. 1 (% DM basis) ¹

Item	Double-low rapeseed cakes									
	1	2	3	4	5	6	7	8	9	10
DM	95.82	92.25	92.41	90.28	92.65	92.33	90.79	92.17	93.45	91.84
GE, MJ/kg	21.20	20.94	21.41	21.66	21.08	20.88	21.45	20.90	20.66	20.70
CP	39.59	38.67	39.34	38.28	38.26	40.87	39.89	37.75	40.07	38.18
EE	8.38	10.44	10.23	11.14	10.72	9.27	9.84	10.76	8.75	9.83
NDF	53.78	49.00	37.91	34.95	37.28	39.89	45.02	48.15	41.76	39.22
ADF	30.15	29.46	22.84	23.38	23.54	25.22	27.72	26.97	24.53	22.99
CF	18.52	19.45	16.28	17.99	18.76	19.12	19.35	18.70	17.17	16.15
Ash	5.89	7.66	7.85	6.92	7.23	6.87	7.42	8.04	7.40	7.83
Ca	0.58	0.65	0.98	0.75	0.70	0.66	0.71	0.86	0.72	0.78
TP	0.83	1.02	1.20	1.02	1.22	1.04	1.06	1.18	1.05	1.17
TGS, $\mu\text{mol/g}$	7.40	10.00	5.40	28.90	14.30	23.70	9.90	11.60	17.80	21.00
ME, MJ/kg	11.93	12.16	14.41	14.11	13.10	13.37	12.98	12.43	13.00	13.84

DM, dry matter; GE, gross energy; CP, crude protein; EE, ether extract; NDF, neutral detergent fiber; ADF, acid detergent fiber; CF, crude fiber; TP, total phosphorus; TGS, total glucosinolates; ME, metabolizable energy

¹Data of double-low rapeseed cakes were derived from published study in our laboratory [6].