

Supplementary Table S1. Average of the intramuscular fatty acids content (g/100 g fatty acid methyl esters) of *Longissimus lumborum* (LL) and Leg muscles of lambs (means \pm SE).

Item	LL	Leg	Effect, <i>p</i>
C8:0	0.034 \pm 0.007	0.027 \pm 0.004	0.37
C10:0	0.283 \pm 0.02	0.249 \pm 0.009	0.19
C12:0	0.492 \pm 0.02	0.482 \pm 0.02	0.73
C14:0	4.308 \pm 0.16	4.272 \pm 0.13	0.87
C14:1	0.327 \pm 0.01	0.339 \pm 0.01	0.47
C15:0	0.469 \pm 0.02	0.339 \pm 0.01	0.15
C16:0	20.486 \pm 0.28	19.876 \pm 0.27	0.12
C16:1	1.369 \pm 0.04	1.427 \pm 0.04	0.36
C17:0	0.693 \pm 0.03	0.744 \pm 0.02	0.20
C17:1	0.533 \pm 0.02	0.553 \pm 0.02	0.46
C18:0	13.829 \pm 0.21	13.606 \pm 0.16	0.39
C18:1 11t	5.016 \pm 0.24	5.467 \pm 0.19	0.15
C18:1 9c	30.508 \pm 0.41	30.562 \pm 0.37	0.93
C18:2 n6	8.847 \pm 0.231	9.159 \pm 0.408	0.65
C18:3 n-6	0.325 \pm 0.12	0.353 \pm 0.02	0.31
C18:3 n-3	2.107 \pm 0.16	2.315 \pm 0.17	0.37
C21:0	0.155 \pm 0.02	0.194 \pm 0.02	0.20
C20:3 n-6	0.336 \pm 0.02	0.305 \pm 0.01	0.26
C20:4 n-6	3.939 \pm 0.27	3.765 \pm 0.13	0.56
C20:5 n-3	1.459 \pm 0.12	1.510 \pm 0.12	0.77
C22:6 n-3	0.869 \pm 0.05	0.975 \pm 0.07	0.21
CLA tot	2.360 \pm 0.13	2.389 \pm 0.11	0.87
SFA	44.389 \pm 0.39	40.689 \pm 0.34	0.18
MUFA	37.845 \pm 0.52	38.416 \pm 0.33	0.36
PUFA	20.769 \pm 0.73	20.828 \pm 0.56	0.95

p>0.05 not significant, C8:0 = Caprylic acid; C10:0 = Capric acid; C12:0 = Lauric acid; C14:0 = Myristic acid; C14:1 = Myristoleic acid; C15:0 = Pentadecylic acid; C16:0 =Palmitic acid; C16:1 = Palmitoleic acid; C17:0 = Heptadecanoic acid; C17:1 = Heptadecenoic acid; C18:0 = Stearic acid; C18:1 11t = trans-Vaccenic acid; C18:1 9c = Oleic acid; C18:2 n6 = Linoleic acid; C18:3 n-6 = gamma-Linolenic Acid; C18:3 n-3 = alpha-Linolenic Acid; C21:0 = Heneicosanoic acid; C20:3 n-6 = Dihomo-gamma-linolenic acid; C20:4 n-6 = Arachidonic acid; C20:5 n-3 = Eicosapentaenoic Acid; C22:6 n-3 = Docosahexaenoic Acid; CLA tot= Sum of Conjugated linoleic acid (CLA) 9c11t, CLA 10t12c, and CLA 9t11t; SFA= Saturated fatty acids, MUFA= Monounsaturated fatty acids, PUFA = Polyunsaturated fatty acids.