

**Supplementary Table S1:** Chemical composition, ingredients and amounts of mineral and vitamin mix used in the diet of intensively-reared lambs.

Nutrient	Commercial compound feed
<i>Chemical composition (%)</i>	
Protein	15.5
Ash	8.2
Fat	4.5
Fibre	8.2
Calcium	1.10
Phosphorous	0.4
Sodium	0.37
<i>Mineral Mix</i>	
Fe (mg/kg)	20
Co (mg/kg)	0.4
Mg (mg/kg)	62
Zn (mg/kg)	110
Se (mg/kg)	0.1
I (mg/kg)	0.6
Cu (mg/kg)	5
<i>Vitamin mix</i>	
Vitamin A (UI/kg)	8000
Vitamin D3 (UI/kg)	700
Vitamin E (mg/kg)	25

Commercial compound ingredients (in unknown proportions): Barley, wheat bran, extruded dehulled soy meal, dry beet pulp, brewers' dried grains, soy hulls, beet molasses, wheat germ, calcium carbonate, sunflower seed meal (extracted), soy oil, and sodium chloride.