

Table S1. Composition of experimental diets.

	<b>C</b>	<b>HF</b>
Dry matter	952	971
Crude protein	208	241
Crude fat	42	340
Butter fat	-	-
Beef tallow	-	310
Soybean oil	40	30
Coconut fat	-	-
Cocoa butter	-	-
Crude fiber	50	60
Crude ash	56	61
Starch	468	22
Sugar/dextrine	108	224
N-free extracts	594	270
GE [MJ/kg]	18	25.2
ME [MJ/kg]	15	21.4
% carbohydrate	66	21
% protein	23	19
% fat	11	60
<b><i>Amino acids</i></b>		
Lysine	17.1	19.8
Methionine	7.3	8.3
Cystine	0.9	4.6
Methionine + Cystine	8.2	12.8
Threonine	9.3	10.7
Tryptophan	2.7	3.1
Arginine	7.6	8.8
Histidine	6.6	7.6
Valine	14.2	16.4
Isoleucine	10.9	12.5
Leucine	20.5	23.6
Phenylalanine	11.1	12.9
Phenylalanine + Tyrosine	22.2	25.7
Glycine	4.3	5.0
Glutamic acid	46.9	54.1
Aspartic acid	15.5	17.9

Table S1 continued

<i>Amino acids</i>	<b>C</b>	<b>HF</b>
Proline	23.9	27.6
Alanine	6.8	7.9
Serine	12.4	14.3
<i>Vitamins</i>		
Vitamin A	15000 IU	15000 IU
Vitamin D3	1500 IU	1500 IU
Vitamin E	150 mg/kg	150 mg/kg
Vitamin K (as menadione)	20mg/kg	20mg/kg
Vitamin C	30 mg/kg	30 mg/kg
Thiamin (B1)	16 mg/kg	16 mg/kg
Riboflavin (B2)	16 mg/kg	16 mg/kg
Pyridoxine (B6)	18 mg/kg	18 mg/kg
Cobalamin (B12)	30 µg/kg	30 µg/kg
Nicotinic acid	49 mg/kg	45 mg/kg
Pantothenic acid	56 mg/kg	55 mg/kg
Folic acid	19 mg/kg	19 mg/kg
Biotin	310 µg/kg	310 µg/kg
Choline-Chloride	1.04 g/kg	2.3 g/kg
Inositol	80 mg/kg	80 mg/kg
Betaine	-	-
<i>Trace elements</i>		
Iron	166 mg/kg	139 mg/kg
Manganese	98 mg/kg	82 mg/kg
Zinc	65 mg/kg	56 mg/kg
Zinc sulfate	-	-
Copper	14 mg/kg	12 mg/kg
Iodine	1.2 mg/kg	0.97 mg/kg
Selenium	0.14 mg/kg	0.13 mg/kg
Cobalt	0.15 mg/kg	0.13 mg/kg
<i>Fatty acids [% in diet]</i>		
C12:0	-	0.03
C14:0	0.02	1.03
C16:0	0.45	8.06
C17:0	-	0.38
C18:0	0.19	5.61
C20:0	0.02	0.04
C16:1	0.02	0.78
C18:1	1.07	12.13
C20:1	-	0.01

**Table S1 continued**

<b><i>Fatty acids [% in diet]</i></b>	<b>C</b>	<b>HF</b>
<b>C18:2</b>	2.12	2.37
<b>C18:3</b>	0.26	0.33
<b>C20:4</b>	-	0.07

Nutrient compositions are reported by the manufacturer and are expressed as [g / kg], except it is delineated differently. The composition of the standard laboratory chow used for two weeks prior to the dietary intervention was: dry matter, 877; crude protein, 190; crude fat, 33; crude fiber, 49; crude ash, 64; starch, 365; sugar/dextrines, 47; N-free extracts, 541; GE, 16.3; ME, 12.8; % carbohydrate, 58; % protein, 33; % fat, 9. Abbreviations: GE, gross energy; ME, metabolizable energy calculated with the Atwater factors; N, nitrogen.