

Supplementary Material

Table S1. Diet Composition, D08112003.

Dietary Component	HF-EPA		HF	
	gm	kcal (%)	gm	kcal (%)
Protein	24	20	24	20
Carbohydrate	41	35	41	35
Fat	24	45	24	45
Total	100		100	
	gm	kcal	gm	kcal
Casein	200	800	200	800
L-Cystine	3	12	3	12
Corn Starch	72.8	291	72.8	291
Maltodextrin 10	100	400	100	400
Sucrose	172.8	691	172.8	691
Cellulose	50	0	50	0
Soybean Oil	25	225	25	225
Lard	139.5	1256	177.5	1598
AlaskOmega EE (820 mg EPA/g)	38	32	0	0
Mineral Mix S10026	10	0	10	0
Di Calcium Phosphate	13	0	13	0
Calcium Carbonate	5.5	0	5.5	0
Potassium Citrate, 1 H2O	16.5	0	16.5	0
Vitamin Mix V10001	10	40	10	40
Choline Bitartrate	2	0	2	0
Vitamin E Acetate, 50% (500IU/gm)	0.13	0	0.13	0
FD&C Yellow Dye #5	0.05	0	0	0
FD&C Red Dye #40	0	0	0.025	0
FD&C Blue Dye #1	0	0	0.025	0
Total	858.27	4057	858.28	4057
EPA content in the diet (g/kg diet)	36		0	

Table S2. Primer sequences used for qPCR.

Gene	Forward	Reverse
<i>Ucp2</i>	CCAGAGAAGAGCACCAGTTC	GGACCTAACACAATGACCAGAT
<i>Ucp3</i>	GATGTGGTGAAGGTCCGATT	CTGGCGATGGTTCTGTAGG
<i>Acaca</i>	GCAGCAGTTACACCACATACA	CATTACCTCAATCTCAGCATAGCA
<i>Fasn</i>	TGTATCCTGCTGTCCAACCT	GGCTTGTCCTGCTCTAACTG
<i>Dgat2</i>	CCTCATCGCCGCCTACTC	GAGCCAGGTGACAGAGAAGAT
<i>Ppara</i>	ATCCACGAAGCCTACCTGAA	AATCGGACCTCTGCCTCTT
<i>Cpt1a</i>	GAGACAGACACCATCCAACAC	GAGCCAGACCTTGAAGTAACG
<i>Cpt2</i>	CAGCACAGCATCGTACCCA	TCCCAATGCCGTTCTCAAAAT
<i>Acadvl</i>	TGGCTCGGATGGCTATTCT	TGCTGATGGCGGCTTCTA
<i>Acat1</i>	TCACGGCAGAAGCAGGAT	GCACAATCTCAGCACGGAAG
<i>Ehhadh</i>	TCATTCTAGCCGATACTCTTCC	GTTACCAACAACGACTCCAATCT
<i>Pex5</i>	CAGGCAGAGTTGGAGGAGAT	CTTGTCATAGGAAGCGGATGTG
<i>Acox1</i>	CGCCACCTTCAATCCAGAG	TTCTTAACAGCCACCTCGTAAC
<i>Gpd1</i>	CGGAGACAAGCGGAAGGA	CCAGAGGACAGCAAGGAAGT
<i>Gpd2</i>	TGAGTGGCAAGTTGGATATAATGG	GCTACACGCTACAAGATTCAGAA