

Supplemental Table S1. Nutritional Composition of Diets

Ingredient	Deficiency (gm)	Control (gm)	Supplementation (gm)
Casein, 30 Mesh	200	200	200
L-Cystine	3	3	3
Corn Starch	397	397	397
Maltodextrin	132	132	132
Sucrose	100	100	100
Cellulose	50	50	50
Mineral Mix	35	35	35
Vitamin Mix	10	10	10
Choline Bitartrate	2.5	2.5	2.5
t-Butylhydroquinone	0.014	0.014	0.014
soybean oil	0	70	50
Safflower oil	70	0	0
Fish oil	0	0	20

Supplemental Table S2. Fatty acid composition of the Experimental Diets

Fatty acid	Content in diet (area percent)		
	Deficiency	Control	Supplementation
C16:0	6.89	11.41	9.77
C18:0	2.77	3.71	3.41
C18:3n3	ND	4.78	3.50
C18:1n9c	11.38	24.50	23.00
C18:2n6c	77.78	54.04	47.70
C20:5n3	ND	ND	6.96
C22:6n3	ND	ND	3.72
Other MUFA	ND	1.57	1.95

Diet fatty acid composition was determined by GC/MS using Supelco 37 Standard.

ND: Not detected.