

Supplementary Data

The Isoform-Specific Pathological Effects of ApoE4 *in vivo* are Prevented by a Fish Oil (DHA) Diet and are Modified by Cholesterol

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Supplementary Table 1
Composition of diets

Diet Ingredient	Cholesterol g/100 g diet	Control g/100 g diet	Fish oil g/100 g diet
Corn starch	34.57	35.57	35.57
Caseine	14.00	14.00	14.00
Corn dextrine	15.50	15.50	15.50
Sucrose	10.00	10.00	10.00
Dextrose	10.00	10.00	10.00
Fibers	5.00	5.00	5.00
Mineral mix (AIN-93M-MX)	3.50	3.50	3.50
Vitamin mix (AIN-93-vX)	1.00	1.00	1.00
L-cystine	0.18	0.18	0.18
Choline bitartrate	0.25	0.25	0.25
Tert-butylhydroquinone	0.0008	0.0008	0.0008
Fat blends:			
Soy oil	0.90	1.90	0.00
Coconut oil	1.30	0.90	0.10
Corn oil	2.35	2.20	1.87
Sunflower oil	0.45	0.00	0.00
Fish oil	0.00	0.00	3.03
Cholesterol	1.00	0.00	0.00
Energy (kcal/100 g diet)	372.9	376.9	376.9

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Supplementary Table 2
Fatty acid composition (g/100 g fat)

Fatty acid	Diets		
	Cholesterol	Control	Fish oil (DHA)
C6:0	0.12	0.09	0.01
C8:0	1.86	1.29	0.14
C10:0	1.49	1.03	0.11
C12:0	11.41	7.90	0.88
C14:0	4.47	3.09	2.67
C16:0	9.17	9.85	15.04
C16:1 ω 7	0.09	0.08	3.55
C17:0	0.00	0.00	1.13
C18:0	2.51	2.72	3.53
C18:1 ω 9	25.10	20.81	17.13
C18:2 ω 6	35.68	43.62	20.88
C18:3 ω 3	1.22	2.15	0.69
C20:4 ω 3	0.00	0.00	0.63
C20:0	0.34	0.39	0.18
C20:1 ω 9	0.17	0.20	0.16
C20:4 ω 3	0.00	0.00	0.25
C20:4 ω 6	0.00	0.00	0.87
C20:5 ω 3	0.00	0.00	4.10
C22:0	0.17	0.18	0.00
C22:1 ω 9	0.00	0.00	0.03
C22:5 ω 3	0.00	0.00	1.17
C22:6 ω 3	0.00	0.10	15.41
SFA	95.42	95.42	95.42
MUFA	31.55	26.54	23.69
PUFA	25.36	21.09	20.87
Other FA	36.89	45.77	44.00
Tot. ω 6	1.62	2.02	6.86
Tot. ω 3	35.68	43.62	21.75
ω 6/ ω 3	1.22	2.15	22.25
	29.30	20.30	0.98