

**Supplementary table 3.** Median (IQR) of the first measurement in every animal of plasma phospholipid fatty acid concentrations in wild type mice (+/+), heterozygotes (+/-) and homozygotes (-/-) for CF mutation. Statistical analyses were done with Kruskal-Wallis test.

Fatty acid	Genotype			p-value
	+/+	+/-	-/-	
n	15	13	22	
Lauric acid 12:0	0.70 (0.60, 0.80)	0.80 (0.60, 0.80)	0.80 (0.50, 1.00)	0.92
Myristic acid 14:0	1.80 (1.50, 2.20)	1.60 (1.40, 2.00)	2.30 (2.00, 2.50)	0.14
Myristoleic acid 14:1	0.10 (0.10, 0.10)	0.10 (0.10, 0.10)	0.10 (0.10, 0.10)	0.98
Palmitic acid 16:0	29.60 (28.20, 31.30)	26.80 (25.40, 29.30)	27.80 (26.70, 29.20)	0.12
Palmitoleic acid 16:1	0.70 (0.60, 0.80)	0.80 (0.50, 0.90)	0.80 (0.60, 0.80)	0.79
Stearic acid 18:0	16.10 (14.50, 17.90)	16.20 (15.60, 16.80)	18.60 (17.70, 18.90)	0.007
Oleic acid 18:1	12.50 (11.90, 13.70)	15.60 (15.40, 16.30)	14.25 (13.10, 15.70)	0.002
Linoleic acid 18:2n6,	22.70 (19.10, 24.60)	20.90 (20.00, 21.50)	18.90 (17.90, 20.20)	0.008
Arachidic acid 20:0	0.35 (0.30, 0.40)	0.30 (0.30, 0.40)	0.30 (0.30, 0.30)	0.062
$\alpha$ -linolenic acid 18:3n3,	0.60 (0.60, 0.60)	0.60 (0.50, 0.60)	0.50 (0.50, 0.60)	0.43
Eicosadienoic acid				
20:2n6	0.30 (0.20, 0.30)	0.30 (0.30, 0.40)	0.20 (0.20, 0.30)	0.018
Dihomo- $\gamma$ -linolenic				
acid 20:3n6	0.01 (0.01, 0.01)	0.01 (0.01, 0.10)	0.01 (0.01, 0.01)	0.17
Behenic acid 22:0	0.40 (0.40, 0.40)	0.30 (0.30, 0.50)	0.40 (0.30, 0.40)	0.31
Arachidonic acid				
20:4n6	6.50 (3.10, 7.30)	7.50 (3.20, 8.70)	7.80 (3.60, 8.70)	0.67
Lignoceric acid 24:0	0.30 (0.20, 0.50)	0.20 (0.20, 0.30)	0.35 (0.20, 0.40)	0.26
Nervonic acid 24:1	0.70 (0.70, 0.80)	0.70 (0.50, 1.40)	0.70 (0.60, 1.10)	0.82
Docosahexaenoic acid				
22:6n3	5.40 (5.10, 6.20)	5.00 (4.60, 6.30)	5.70 (4.70, 6.70)	0.35