

Supplementary Material: Fatty acid composition of plasma phospholipids [% of total fatty acids] [median (interquartile range)]

Group	Day 0								Day 28							
	A (n=11)		B (n=12)		C (n=13)		HM (n=15)		A (n=12)		B (n=12)		C (n=13)		HM (n=14)	
	Median (IQR)		Median (IQR)		Median (IQR)		Median (IQR)		Median (IQR)		Median (IQR)		Median (IQR)		Median (IQR)	
Fatty acid																
total saturated FA	48.35	(2.83)	47.54	(1.80)	46.42	(2.20)	47.75	(2.72)	46.12	(1.53) *	46.13	(1.46)	45.03	(1.18) a *	46.42	(1.05) b
total MUFA	14.97	(4.91)	16.30	(1.81)	16.41	(3.87)	15.85	(2.19)	16.06	(2.26)	15.49	(1.00)	14.66	(2.15)	14.46	(1.80) *
total PUFA	35.91	(1.80)	36.11	(1.87)	37.74	(3.25)	37.28	(1.81)	38.07	(1.91) a *	38.81	(1.01) a *	39.42	(1.62) b *	38.83	(1.85) b *
total LC-PUFA	17.74	(2.12) a	17.95	(1.58) a	18.89	(2.89) a	21.20	(1.70) b	17.25	(2.47) a	17.52	(2.32) a	19.14	(1.70) b	20.68	(2.22) c
n-6 PUFA	32.20	(1.74)	31.75	(2.56)	33.45	(4.07)	32.07	(2.02)	34.50	(1.43) *	33.81	(1.13) *	34.23	(1.30) *	34.10	(2.05) *
C18:2n-6	17.92	(0.89) a	18.15	(3.97) a	17.11	(3.04) a	15.13	(2.75) b	20.71	(1.76) a,b *	20.59	(1.41) a *	20.01	(1.02) b *	18.34	(2.95) c *
C18:3n-6	0.23	(0.12) a	0.18	(0.07) a	0.22	(0.11) a	0.10	(0.06) b	0.15	(0.03) a	0.13	(0.02) b *	0.13	(0.03) a,b	0.08	(0.03) c
C20:2n-6	0.40	(0.09)	0.41	(0.09)	0.36	(0.15)	0.43	(0.08)	0.47	(0.09) a *	0.44	(0.08) a *	0.47	(0.12) a *	0.40	(0.07) b *
C20:3n-6	3.67	(0.60)	3.40	(0.71)	3.58	(1.33)	3.26	(0.68)	3.53	(1.62)	2.97	(0.75)	3.22	(0.62)	3.25	(0.99)
C20:4n-6	9.09	(2.14) a	8.93	(2.04) a	10.14	(3.38) a	11.90	(1.64) b	8.42	(1.20) a,b	8.16	(1.06) a	8.88	(1.27) b	10.97	(1.32) c *
C22:2n-6	0.48	(0.16) a	0.48	(0.14) a	0.42	(0.18)	0.33	(0.11) b	0.56	(0.17) a *	0.66	(0.19) a *	0.60	(0.19) a *	0.36	(0.11) b
C22:4n-6	0.40	(0.11)	0.38	(0.09) a	0.37	(0.16)	0.49	(0.11) b	0.41	(0.07) a	0.34	(0.05) b	0.32	(0.05) b *	0.46	(0.09) a,c
C22:5n-6	0.15	(0.15)	0.14	(0.13)	0.11	(0.14)	0.20	(0.24)	0.24	(0.16) a	0.10	(0.17) b	0.05	(0.11) b	0.16	(0.25) a,b *
n-6 LC-PUFA	14.29	(2.44) a	13.70	(1.71) a	14.71	(2.79) a	16.60	(1.87) b	13.83	(1.88) a	12.87	(1.35) b *	13.91	(0.83) a *	15.84	(2.17) c
n-3 PUFA	3.41	(1.01) a	3.73	(0.57) a	3.77	(0.63) a	4.76	(1.15) b	3.24	(0.57) a	4.45	(0.84) b *	5.45	(1.24) c *	4.73	(0.52) b
C18:3n-3	0.10	(0.03) a	0.09	(0.03) a	0.09	(0.03) a	0.06	(0.01) b	0.14	(0.03) a *	0.13	(0.01) a *	0.13	(0.03) a *	0.07	(0.05) b *
C20:5n-3	0.53	(0.21)	0.50	(0.13)	0.58	(0.36)	0.51	(0.22)	0.30	(0.09) a *	0.46	(0.05) b	0.73	(0.06) c	0.42	(0.20) b
C22:5n-3	0.32	(0.05) a	0.29	(0.04) a,b	0.25	(0.10) b	0.50	(0.15) c	0.43	(0.19) a *	0.41	(0.10) a *	0.36	(0.07) b *	0.68	(0.21) c *
C22:6n-3	2.35	(0.66) a	2.82	(0.41) a	2.71	(0.49) a	3.43	(1.16) b	2.15	(0.49) a	3.41	(0.79) b *	4.20	(0.97) c *	3.46	(0.50) b
n-3 LC-PUFA	3.29	(1.00) a	3.65	(0.56) a	3.65	(0.57) a	4.62	(1.14) b	3.13	(0.57) a	4.32	(0.85) b *	5.33	(1.20) c *	4.61	(0.49) b,c

Different superscript a, b, c indicate significant differences between groups on the same day (p<0.05) (Kruskal Wallis and Mann-Whitney U test).

*: significantly different from study day 0 (p<0.05) (Wilcoxon test).

FA: fatty acid; MUFA: monounsaturated fatty acid; PUFA: polyunsaturated fatty acid; LC-PUFA: long-chain polyunsaturated fatty acid; HM: human milk