

# Fatty acid composition in *Mytilus galloprovincialis* organs: trophic interactions, sexual differences and differential anatomical distribution

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Table S1. Relative fatty acid (FA) percentage of the neutral and polar lipids of the gills of female and male *Mytilus galloprovincialis* during four seasons. FA are the mean  $\pm$  SD of five replicate samples. Values ' $\leq 0\%$ ' indicate that the FA was below the detection limit.

SAFA=saturated FA, MUFA=monounsaturated FA, PUFA=polyunsaturated FA, DMA=dimethylacetal derivatives of aldehydes, n-3/ n-6= PUFA ratio for the n-3 and n-6 series, NMI=non-methylene-interrupted FA. 20:2 NMID1=20:2 $\Delta$ 5,11; 20:2NMID2=20:2 $\Delta$ 5,13; 22:2NMID1=22:2 $\Delta$ 7,13; 22:2NMID2=22:2 $\Delta$ 7,15; 20:3NMIT=20:3 $\Delta$ 5,11,14; 22:3NMIT=22:3 $\Delta$ 7,13,16.

FA (%)	Winter				Spring				Summer				Autumn			
	Females		Males		Females		Males		Females		Males		Females		Males	
	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar
14:0	3.8 ± 0.4	0.5 ± 0	3.1 ± 0.4	0.4 ± 0.3	5.7 ± 0.6	1.6 ± 0	4.8 ± 0.4	1.3 ± 0.4	5.2 ± 0.4	1.1 ± 0.4	5.4 ± 0.1	1.3 ± 0.2	4.6 ± 0.8	2.1 ± 2.8	4.7 ± 1.2	0.9 ± 0.1
15:0	2 ± 0.4	0.8 ± 0.3	2.9 ± 0.8	0.5 ± 0.3	0.8 ± 0.1	0.6 ± 0.1	1.3 ± 0.3	0.6 ± 0.1	1.9 ± 0.7	0.6 ± 0.1	2 ± 0.6	0.6 ± 0.3	1.6 ± 0.5	0.8 ± 0.1	2.1 ± 0.8	0.8 ± 0.1
16:0	22 ± 2.2	13.4 ± 0.8	21.8 ± 3.5	14.1 ± 1.5	22.6 ± 2.1	19.7 ± 1.6	17.9 ± 0.9	21 ± 3.4	24.7 ± 1.5	21 ± 2.4	23.9 ± 0.7	21.4 ± 5.4	23.7 ± 1.2	22.7 ± 3.2	21.7 ± 2.2	24.4 ± 1.6
16:1n-7	8.6 ± 1.2	0.9 ± 0.1	4.9 ± 0.9	0.6 ± 0.4	10.9 ± 2	1.7 ± 0.1	7.8 ± 0.4	1.3 ± 0.3	10.6 ± 2.4	1.4 ± 0.3	8.8 ± 1.2	1.7 ± 0.2	8.2 ± 2.4	1.4 ± 0.3	6.7 ± 3.9	1.2 ± 0.1
17:0	2 ± 0.3	2 ± 0.1	2.3 ± 0.5	2 ± 0.2	1.8 ± 0.1	2 ± 0.7	2.1 ± 0.2	2.1 ± 0.2	2.1 ± 0.3	1.5 ± 0.1	1.9 ± 0.1	1.7 ± 0.2	2 ± 0.1	1.8 ± 0.7	2.2 ± 0.2	2.1 ± 0.2
17:1n-9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0.1 ± 0.1	0 ± 0	0.1 ± 0.2	0 ± 0	0 ± 0	0.1 ± 0.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0.1 ± 0.3	0.2 ± 0.3
DMA 18:0	1.5 ± 0.5	25.2 ± 5.3	2.4 ± 0.9	21.1 ± 1.4	0.9 ± 0.4	11.1 ± 1.4	1.5 ± 0.1	14.8 ± 3	1.7 ± 0.3	19 ± 1.8	2.2 ± 0.3	18.7 ± 0.8	2 ± 0.5	21.1 ± 1.9	2 ± 0.7	20.4 ± 2.7
16:4n-4	0 ± 0	0.1 ± 0.2	0 ± 0	0.2 ± 0.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0.7 ± 0.2	0 ± 0	0.9 ± 0.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
18:0	6 ± 1.2	3.7 ± 0.3	9.1 ± 1.6	4.1 ± 0.5	5.4 ± 1.7	4.6 ± 0.6	7.3 ± 0.4	5.1 ± 0.5	7.6 ± 1.2	4.4 ± 0.5	9.3 ± 1.2	5 ± 0.5	8.3 ± 1.7	4.5 ± 0.4	8.9 ± 2	4.7 ± 0.8
18:1n-11	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
18:1n-9	3.7 ± 0.4	0.5 ± 0.1	5.8 ± 1.2	0.6 ± 0.3	2.6 ± 0.3	0.5 ± 0.2	2.7 ± 0.6	0.6 ± 0.3	3.1 ± 0.8	0.3 ± 0.1	3.1 ± 0.6	0.4 ± 0.1	4.2 ± 3.1	0.5 ± 0.1	4.1 ± 1.4	0.5 ± 0.2
18:1n-7	3.1 ± 0.5	0.9 ± 0.2	2.9 ± 0.5	1.1 ± 0.2	3 ± 0.3	1.8 ± 0.4	3 ± 0.2	1.8 ± 0.6	4.1 ± 0.3	4.1 ± 5.7	4.2 ± 0.5	2.1 ± 0.2	3.7 ± 0.3	1.5 ± 0.4	3.2 ± 0.3	1.7 ± 0.3
18:2n-6	1.4 ± 0.8	0.6 ± 0.1	2.5 ± 0.5	0.7 ± 0.1	1.2 ± 0.2	1 ± 0.6	1.6 ± 0.6	0.6 ± 0.1	1.7 ± 0.6	0.6 ± 0.1	1.4 ± 0.1	0.6 ± 0	2 ± 1.6	0.7 ± 0.1	1.5 ± 0.5	0.7 ± 0.2
18:3n-6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0.2 ± 0.3	0.2 ± 0.1	0.2 ± 0.3	0 ± 0	1.5 ± 0.3	0.1 ± 0.1	1.6 ± 0.2	0.1 ± 0.1	1.4 ± 0.4	0.1 ± 0.1	1.2 ± 0.3	0.1 ± 0.1
18:3n-4	0 ± 0	0.1 ± 0.2	0 ± 0	0.4 ± 0.3	0.9 ± 0.5	0.4 ± 0.2	1.1 ± 0.2	0.2 ± 0	0 ± 0	0.1 ± 0	0 ± 0	0 ± 0	0 ± 0	0.5 ± 0.5	0 ± 0	0.6 ± 0.7
18:3n-3	0.2 ± 0.5	0.6 ± 0.2	0.4 ± 0.9	0.1 ± 0.3	0.4 ± 0.1	0.1 ± 0.1	0.3 ± 0.2	0.1 ± 0.0	0.6 ± 0.4	0.3 ± 0	0.3 ± 0.4	0.3 ± 0.1	0.7 ± 0.4	0.3 ± 0.2	0.7 ± 0.5	0.4 ± 0.2
18:4n-3	2.5 ± 0.2	0.8 ± 0.8	0.7 ± 1	1.3 ± 0.1	0.7 ± 0.2	1 ± 0.4	0.7 ± 0	1.2 ± 0.4	1.5 ± 0.4	2.3 ± 0.4	1.1 ± 0.9	2.3 ± 0.6	1.3 ± 0.2	2.5 ± 0.3	1.4 ± 1	2.3 ± 0.4
DMA 20:1	0 ± 0	5.2 ± 1.6	0.5 ± 1.2	3.9 ± 0.5	0.8 ± 0.1	0 ± 0	0 ± 0	0 ± 0	0.4 ± 0.5	0 ± 0	0 ± 0	0 ± 0	0.3 ± 0.4	0 ± 0	0.1 ± 0.2	0 ± 0
20:1n-11	2.1 ± 0.5	1.8 ± 0.1	1.1 ± 1	1.9 ± 0.3	1.8 ± 0.2	2 ± 0.4	2.3 ± 0.3	1.7 ± 0.2	1.4 ± 0.2	2.3 ± 0.4	1.5 ± 0.1	2.2 ± 0.2	1.7 ± 0.2	2.4 ± 0.2	1.6 ± 0.5	2.2 ± 0.1
20:1n-9	2.4 ± 0.2	0.9 ± 0.2	3.7 ± 1.3	1.1 ± 0.1	3.3 ± 0.9	0.9 ± 0.1	5.3 ± 0.6	1 ± 0.1	3.4 ± 0.7	0.8 ± 0.1	4.4 ± 0.8	1 ± 0.2	3.9 ± 0.6	1 ± 0.1	5.9 ± 4.8	1 ± 0.1
20:1n-7	2.6 ± 0.2	1.1 ± 0.1	2.9 ± 0.3	1 ± 0.1	2.6 ± 0.5	1.5 ± 0.1	3.2 ± 0.2	1.4 ± 0.2	3.3 ± 0.2	1.4 ± 0.1	4.2 ± 0.1	1.4 ± 0.2	3.2 ± 0.4	1.2 ± 0.1	3.4 ± 1	1.1 ± 0.1
20:2NMID1	0.2 ± 0.4	4.7 ± 0.5	0.3 ± 0.6	4.8 ± 0.2	1.2 ± 0.3	7.4 ± 1.1	1.7 ± 0.2	7.5 ± 0.4	1 ± 0.2	4.8 ± 0.7	1.1 ± 0.1	4.9 ± 0.7	1.3 ± 0.2	6.2 ± 0.7	1.2 ± 0.3	6.1 ± 0.4
20:2NMID2	0 ± 0	2.5 ± 0.2	0 ± 0	2.7 ± 0.6	0.8 ± 0.4	3.8 ± 0.6	0.8 ± 0.1	3.9 ± 0.5	0.7 ± 0.1	3.2 ± 0.3	0.7 ± 0.4	2.9 ± 0.6	0.8 ± 0.1	3.3 ± 0.5	0.6 ± 0.4	3 ± 0.5
20:2n-6	0 ± 0	0.2 ± 0.2	0 ± 0	0.1 ± 0.2	0.4 ± 0	0.4 ± 0	0.3 ± 0.2	0.2 ± 0	0.1 ± 0.2	0.4 ± 0	0 ± 0	0.3 ± 0	0.1 ± 0.2	0.3 ± 0	0.1 ± 0.2	0.3 ± 0
20:3 NMIT	2.7 ± 0.7	0.7 ± 0.1	2.8 ± 1.8	0.6 ± 0.1	1.3 ± 0.5	0.7 ± 0.2	1.6 ± 0.3	0.6 ± 0.1	3.6 ± 0.9	0.5 ± 0	4.4 ± 1	0.5 ± 0	3.1 ± 1	0.5 ± 0.1	3.6 ± 1.2	0.6 ± 0.1
20:3n-6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0.1	0 ± 0.1	0 ± 0	0 ± 0	0 ± 0	0.1 ± 0.1	0 ± 0	0.1 ± 0	0 ± 0	0.1 ± 0.1	0.1 ± 0.1	0 ± 0
20:4n-6	3.7 ± 0.8	4.6 ± 0.7	4.5 ± 1.4	5.5 ± 0.8	2.6 ± 0.4	1.9 ± 0.4	4 ± 0.6	1.9 ± 0.2	2.8 ± 0.7	2.8 ± 0.2	3.3 ± 0.8	3 ± 0.2	3.8 ± 0.5	3 ± 0.8	4.8 ± 3.6	3.1 ± 0.6
20:4n-3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0.2 ± 0.2	0.1 ± 0.1	0 ± 0	0 ± 0	0 ± 0	0.1 ± 0.1	0 ± 0	0 ± 0	0.2 ± 0.5	0.1 ± 0.0	0.2 ± 0.4	0 ± 0.1
20:5n-3	15 ± 2.6	9.6 ± 1.4	10.8 ± 3.5	9.7 ± 0.9	17.7 ± 5.1	16.2 ± 3.2	15.2 ± 1.5	13.4 ± 2.7	8.9 ± 1.7	11.4 ± 1.3	8 ± 1.4	12.1 ± 1.6	10.1 ± 3.6	6.9 ± 3.2	10 ± 4.8	7.4 ± 2
22:2NMID1	0 ± 0	0.4 ± 0.2	0 ± 0	0.4 ± 0.3	0.5 ± 0.1	1.2 ± 0.2	0.8 ± 0.4	0.9 ± 0.2	0 ± 0	0.3 ± 0.1	0.3 ± 0.6	0.4 ± 0.1	0.2 ± 0.4	0.4 ± 0.1	0.2 ± 0.4	0.4 ± 0.1
22:2NMID2	4.1 ± 1	5.2 ± 0.6	4.9 ± 0.9	5.8 ± 0.5	3.9 ± 0.8	8.5 ± 0.5	5.7 ± 1.2	8.4 ± 1.1	4.2 ± 0.7	7.3 ± 0.8	4 ± 0.8	7 ± 0.7	4.3 ± 0.3	7.8 ± 0.3	4.5 ± 1.3	7.3 ± 0.7
22:3 NMIT	2.4 ± 0.7	2.1 ± 0.6	1.7 ± 1.1	1.9 ± 0.3	1.3 ± 0.2	1.9 ± 0.1	1.4 ± 0.2	1.9 ± 0.4	0.8 ± 0.5	1.2 ± 0.2	0.2 ± 0.5	1.1 ± 0.1	0.5 ± 0.3	1.7 ± 0.7	0.6 ± 0.6	1.3 ± 0.2
22:4n-6	0.9 ± 0.9	1.7 ± 0.5	0.8 ± 1.9	2.2 ± 1.1	0.1 ± 0.1	0.3 ± 0	0.1 ± 0.1	0.2 ± 0.1	0 ± 0	0.3 ± 0.1	0 ± 0	0.3 ± 0	0 ± 0	0 ± 0	0 ± 0	0.2 ± 0.1
22:5n-3	1.2 ± 0.7	2.2 ± 0.5	0.8 ± 1.2	2.2 ± 0.1	1.5 ± 0.3	2.8 ± 1	1.7 ± 0.1	2.6 ± 0.4	0.5 ± 0.3	1.4 ± 0.3	0.3 ± 0.4	1.5 ± 0.2	0.6 ± 0.1	1.1 ± 0.4	0.1 ± 0.2	1 ± 0.4
22:6n-3	6.1 ± 2.2	6.9 ± 2.1	6.2 ± 1.1	9 ± 0.4	2.6 ± 0.5	4 ± 1.7	3.4 ± 0.5	3.8 ± 0.8	1.8 ± 0.3	4.9 ± 1.4	1.7 ± 0.4	5.3 ± 0.9	2.2 ± 0.6	3.3 ± 2.1	2.5 ± 0.5	3.9 ± 2.2
<b>Fatty acid group (% total FA)</b>																
SAFA	35.7 ± 3.7	20.5 ± 1.2	39.2 ± 5.7	21.1 ± 2	35.7 ± 2.9	28.5 ± 2.7	33.5 ± 1.1	30.5 ± 4.2	41.5 ± 2.5	28.7 ± 3.3	42.4 ± 1.9	29.9 ± 5.4	40.1 ± 2.2	31.9 ± 4.3	39.6 ± 4.3	32.9 ± 2.3
MUFA	22.5 ± 1.5	6.1 ± 0.4	21.4 ± 1.9	6.4 ± 0.6	24.5 ± 1	8.5 ± 0.2	24.3 ± 1	8 ± 1.4	26 ± 1.1	10.5 ± 5.4	26.1 ± 1	8.7 ± 0.9	24.9 ± 0.9	8.1 ± 1.2	25 ± 2.9	7.8 ± 0.4
PUFA	40.3 ± 5.1	42.9 ± 6.8	36.4 ± 6.9	47.5 ± 2.1	38.1 ± 3.8	51.9 ± 3.8	40.7 ± 2	46.8 ± 3.5	30.3 ± 2.2	41.8 ± 4.2	29.2 ± 2.1	42.6 ± 4.2	32.6 ± 2.5	38.9 ± 4.9	33.2 ± 3	38.8 ± 4.3
DMA	1.5 ± 0.4	30.4 ± 6.9	2.9 ± 1	25 ± 1.6	1.6 ± 0.2	11.1 ± 1.4	1.5 ± 0.1	14.7 ± 3.5	2.1 ± 0.4	19 ± 1.8	2.1 ± 0.2	18.7 ± 0.8	2.2 ± 0.5	21.1 ± 1.9	2 ± 0.4	20.4 ± 2.7
NMI	9.4 ± 1.2	15.5 ± 1.3	9.7 ± 1.2	16.2 ± 0.9	8.6 ± 1.8	23.6 ± 2.3	11.9 ± 1.2	23.7 ± 1.9	10.3 ± 1.1	17.2 ± 1.7	10.6 ± 1	16.8 ± 2.1	10.2 ± 1.7	20.1 ± 1.4	10.6 ± 3.1	18.7 ± 1.2
PUFA n-3	24.7 ± 4.2	19.6 ± 4.5	18.5 ± 5.8	22.2 ± 1.2	23.8 ± 5	24 ± 6.1	21.1 ± 1.7	20 ± 3.7	12.6 ± 2.1	20 ± 3.1	11 ± 1.6	21.1 ± 2.9	14.4 ± 4.1	13.7 ± 5.7	14.1 ± 6.6	14.7 ± 4.5
n-3/n-6	4.5 ± 1.5	2.8 ± 0.3	2.4 ± 0.8	2.7 ± 0.6	5.4 ± 1.2	6.5 ± 2.1	3.5 ± 0.7	6.7 ± 0.8	2.2 ± 0.7	4.8 ± 0.4	1.8 ± 0.3	4.9 ± 0.5	2.2 ± 0.8	3.2 ± 0.8	2.3 ± 1.5	3.3 ± 0.5

Table S2. Relative fatty acid (FA) percentage of the neutral and polar lipids of the digestive gland of female and male *Mytilus galloprovincialis* during four seasons. FA are the mean  $\pm$  SD of five replicate samples. Values ' $\leq 0\%$ ' indicate that the FA was below the detection limit. SAFA=saturated FA, MUFA=monounsaturated FA, PUFA=polyunsaturated FA, DMA=dimethylacetal derivatives of aldehydes, n-3/ n-6= PUFA ratio for the n-3 and n-6 series, NMI=non-methylene-interrupted FA.20:2 NMID1= 20:2 $\Delta$ 5,11; 20:2NMID2= 20:2 $\Delta$ 5,13; 22:2NMID1= 22:2 $\Delta$ 7,13; 22:2NMID2=22:2 $\Delta$ 7,15; 20:3NMIT=20:3 $\Delta$ 5,11,14; 22:3NMIT= 22:3 $\Delta$ 7,13,16.

FA (%)	Winter				Spring				Summer				Autumn			
	Females		Males		Females		Males		Females		Males		Females		Males	
	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar
14:0	4.2 $\pm$ 0.3	1.3 $\pm$ 0.3	3.7 $\pm$ 0.8	1.3 $\pm$ 0.2	10.6 $\pm$ 0.7	6.7 $\pm$ 0.9	10.8 $\pm$ 0.8	6.7 $\pm$ 1.3	8.3 $\pm$ 0.2	4.4 $\pm$ 0.8	9.7 $\pm$ 1.3	3.7 $\pm$ 0.8	7.5 $\pm$ 0.1	3.2 $\pm$ 0.3	8.2 $\pm$ 0.8	3 $\pm$ 0.5
15:0	0.5 $\pm$ 0	0.7 $\pm$ 0.1	0.5 $\pm$ 0.1	0.9 $\pm$ 0.7	0.3 $\pm$ 0	0.9 $\pm$ 0.3	0.3 $\pm$ 0	1.2 $\pm$ 0.2	0.4 $\pm$ 0	0.7 $\pm$ 0.1	0.4 $\pm$ 0	0.5 $\pm$ 0.1	0.5 $\pm$ 0	0.7 $\pm$ 0.1	0.5 $\pm$ 0	0.8 $\pm$ 0.2
16:0	16.6 $\pm$ 0.5	16.1 $\pm$ 0.9	15.6 $\pm$ 0.8	16.3 $\pm$ 1	12.2 $\pm$ 0.4	25.5 $\pm$ 3.7	12.6 $\pm$ 0.5	26.5 $\pm$ 5	18.5 $\pm$ 0.8	32.1 $\pm$ 5.3	15.8 $\pm$ 5.8	28 $\pm$ 1.7	18.4 $\pm$ 0.5	27.7 $\pm$ 1.7	19.2 $\pm$ 0.9	28.4 $\pm$ 1.7
16:1n-7	11.2 $\pm$ 0.6	2.9 $\pm$ 0.3	10.4 $\pm$ 1	3.2 $\pm$ 1.2	16.4 $\pm$ 0.8	8.8 $\pm$ 1.5	17.3 $\pm$ 0.8	8 $\pm$ 1.3	18.5 $\pm$ 0.7	6.5 $\pm$ 1.2	20.6 $\pm$ 1.5	6.3 $\pm$ 1.2	15.9 $\pm$ 0.6	5.6 $\pm$ 0.8	16.7 $\pm$ 1.2	5 $\pm$ 0.8
17:0	1.5 $\pm$ 0.1	1.6 $\pm$ 0.2	1.6 $\pm$ 0.1	1.6 $\pm$ 0.2	2.4 $\pm$ 0.1	1.4 $\pm$ 0.2	2.3 $\pm$ 0.1	1.4 $\pm$ 0.8	1.8 $\pm$ 0.1	2 $\pm$ 0.4	1.9 $\pm$ 0.1	1.7 $\pm$ 0.2	1.8 $\pm$ 0.1	1.8 $\pm$ 0.2	1.9 $\pm$ 0.2	1.8 $\pm$ 0.2
17:1n-9	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	2.1 $\pm$ 3.1	0 $\pm$ 0	0.8 $\pm$ 0.1	0 $\pm$ 0	0.5 $\pm$ 0	0.4 $\pm$ 0.1	0.6 $\pm$ 0.1	0.3 $\pm$ 0.2	0.7 $\pm$ 0.1	0.2 $\pm$ 0.2	0.7 $\pm$ 0.1	0.1 $\pm$ 0.2
DMA 18:0	0.4 $\pm$ 0.1	14 $\pm$ 0.3	0.4 $\pm$ 0	13.4 $\pm$ 3.4	0.1 $\pm$ 0	0.5 $\pm$ 0.1	0.1 $\pm$ 0	2.2 $\pm$ 2.2	0.2 $\pm$ 0	9.5 $\pm$ 1.9	0.2 $\pm$ 0	8.9 $\pm$ 0.8	0.2 $\pm$ 0	9.7 $\pm$ 0.8	0.2 $\pm$ 0	8.7 $\pm$ 0.2
16:4n-4	0.4 $\pm$ 0.1	0 $\pm$ 0	0.4 $\pm$ 0.1	0 $\pm$ 0	2 $\pm$ 0.1	0.2 $\pm$ 0.2	1.9 $\pm$ 0.2	0.1 $\pm$ 0.2	0.8 $\pm$ 0.1	0.1 $\pm$ 0.2	0.9 $\pm$ 0.1	0 $\pm$ 0	0.8 $\pm$ 0.1	0 $\pm$ 0	0.9 $\pm$ 0.2	0 $\pm$ 0
18:0	3.2 $\pm$ 0.2	4.5 $\pm$ 0.4	3.2 $\pm$ 0.2	5.2 $\pm$ 0.4	2 $\pm$ 0.1	3.8 $\pm$ 2.1	1.9 $\pm$ 0.2	7.6 $\pm$ 0.9	3 $\pm$ 0.3	7.9 $\pm$ 1.5	3.2 $\pm$ 0.3	7.5 $\pm$ 0.3	3 $\pm$ 0.2	7.2 $\pm$ 0.5	3 $\pm$ 0.3	7 $\pm$ 0.8
18:1n-11	0.4 $\pm$ 0.0	0 $\pm$ 0	0.4 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0	0 $\pm$ 0
18:1n-9	1.8 $\pm$ 0.1	1 $\pm$ 0.2	2 $\pm$ 0.2	1.7 $\pm$ 1.7	0.9 $\pm$ 0.1	1.4 $\pm$ 0.2	1 $\pm$ 0.1	1.6 $\pm$ 0.3	1.3 $\pm$ 0	1.1 $\pm$ 0.2	1.4 $\pm$ 0.1	1.2 $\pm$ 0.2	1.4 $\pm$ 0.1	1.3 $\pm$ 0.3	1.6 $\pm$ 0.1	1.9 $\pm$ 1.6
18:1n-7	3.3 $\pm$ 0.1	2 $\pm$ 0.2	3.3 $\pm$ 0.2	2 $\pm$ 0.4	1.9 $\pm$ 0.1	4.3 $\pm$ 0.4	2 $\pm$ 0.1	4.5 $\pm$ 0.9	3.7 $\pm$ 0.1	3.9 $\pm$ 0.4	3.8 $\pm$ 0.3	3.6 $\pm$ 0.3	3.2 $\pm$ 0.2	3.3 $\pm$ 0.3	3.3 $\pm$ 0.2	3.3 $\pm$ 0.2
18:2n-6	1.3 $\pm$ 0.1	0.9 $\pm$ 0.2	1.4 $\pm$ 0.1	1 $\pm$ 0.3	0.7 $\pm$ 0.1	1.7 $\pm$ 1.8	0.8 $\pm$ 0	1.1 $\pm$ 0.2	1.1 $\pm$ 0	0.8 $\pm$ 0.1	1.1 $\pm$ 0.1	1 $\pm$ 0.2	1.3 $\pm$ 0	1.1 $\pm$ 0.1	1.4 $\pm$ 0.1	1.1 $\pm$ 0.2
18:3n-6	0.5 $\pm$ 0.1	0 $\pm$ 0	0.5 $\pm$ 0	0 $\pm$ 0	0.8 $\pm$ 0.1	0.2 $\pm$ 0.2	0.6 $\pm$ 0	0 $\pm$ 0	0.5 $\pm$ 0	0 $\pm$ 0	0.4 $\pm$ 0.1	0 $\pm$ 0	0.4 $\pm$ 0.1	0 $\pm$ 0	0.3 $\pm$ 0	0 $\pm$ 0.1
18:3n-4	0 $\pm$ 0	0.9 $\pm$ 0.1	0 $\pm$ 0	0.8 $\pm$ 0.5	0 $\pm$ 0	0.2 $\pm$ 0.3	0 $\pm$ 0	0.7 $\pm$ 1	0 $\pm$ 0	0.6 $\pm$ 0.5	0.1 $\pm$ 0	0.4 $\pm$ 0.3	0.1 $\pm$ 0	0.8 $\pm$ 0.1	0.1 $\pm$ 0	1 $\pm$ 0.1
18:3n-3	1.1 $\pm$ 0.1	0.5 $\pm$ 0.3	1.2 $\pm$ 0	0.5 $\pm$ 0.3	0.5 $\pm$ 0.1	0.4 $\pm$ 0.1	0.5 $\pm$ 0.1	0 $\pm$ 0	1.3 $\pm$ 0.1	1.1 $\pm$ 1.1	1.2 $\pm$ 0.1	0.8 $\pm$ 0.2	1.4 $\pm$ 0.1	0.9 $\pm$ 0.2	1.5 $\pm$ 0.1	1.1 $\pm$ 0.1
18:4n-3	3.2 $\pm$ 0.3	3.7 $\pm$ 0.1	3.2 $\pm$ 0.1	3.5 $\pm$ 0.3	1.9 $\pm$ 0.1	1.1 $\pm$ 0.1	1.8 $\pm$ 0.1	1 $\pm$ 0.2	2.9 $\pm$ 0.2	1.4 $\pm$ 0.4	2.6 $\pm$ 0.3	1.5 $\pm$ 0.1	3.2 $\pm$ 0.5	1.4 $\pm$ 0.8	3.3 $\pm$ 0.2	1.6 $\pm$ 0.1
DMA 20:1	0.3 $\pm$ 0.1	0 $\pm$ 0	0.3 $\pm$ 0	0 $\pm$ 0	0.4 $\pm$ 0.9	0.2 $\pm$ 0.3	0.8 $\pm$ 0.4	0 $\pm$ 0	0.6 $\pm$ 0.1	0 $\pm$ 0	0.4 $\pm$ 0	0 $\pm$ 0	0.4 $\pm$ 0.1	0 $\pm$ 0	0.3 $\pm$ 0.1	0 $\pm$ 0
20:1n-11	1.3 $\pm$ 0.2	1.5 $\pm$ 0.1	1.3 $\pm$ 0.1	1.4 $\pm$ 0.3	0.5 $\pm$ 0	0.4 $\pm$ 0.3	0.5 $\pm$ 0	0.4 $\pm$ 0.4	0.8 $\pm$ 0.1	1.7 $\pm$ 0.3	0.8 $\pm$ 0.1	1.3 $\pm$ 0.2	0.8 $\pm$ 0.1	1.6 $\pm$ 0.3	0.7 $\pm$ 0	1.4 $\pm$ 0.1
20:1n-9	1 $\pm$ 0.1	0.8 $\pm$ 0	1 $\pm$ 0.1	0.7 $\pm$ 0.4	0.5 $\pm$ 0.1	0.8 $\pm$ 0.1	0.5 $\pm$ 0.1	0.7 $\pm$ 0.4	0.7 $\pm$ 0.1	0.8 $\pm$ 0.1	0.8 $\pm$ 0.2	0.8 $\pm$ 0.2	0.8 $\pm$ 0	0.9 $\pm$ 0.1	0.7 $\pm$ 0.1	0.8 $\pm$ 0.1
20:1n-7	1.7 $\pm$ 0.3	1.1 $\pm$ 0.1	1.6 $\pm$ 0.2	0.8 $\pm$ 0.5	1.2 $\pm$ 0.1	1.7 $\pm$ 0.3	1 $\pm$ 0.1	1.5 $\pm$ 0.4	1.6 $\pm$ 0.1	1.5 $\pm$ 0.2	1.6 $\pm$ 0.4	1.4 $\pm$ 0.2	1.5 $\pm$ 0.1	1.3 $\pm$ 0.3	1.2 $\pm$ 0.1	1.1 $\pm$ 0.1
20:2NMID1	0.4 $\pm$ 0.1	2.8 $\pm$ 0.3	0.4 $\pm$ 0	2.8 $\pm$ 0.9	0.2 $\pm$ 0	0.1 $\pm$ 0.2	0.2 $\pm$ 0	0.8 $\pm$ 1.1	0.3 $\pm$ 0	2.9 $\pm$ 0.2	0.3 $\pm$ 0.1	2.3 $\pm$ 0.3	0.3 $\pm$ 0	3.1 $\pm$ 0.3	0.3 $\pm$ 0	3 $\pm$ 0.2
20:2NMID2	0.5 $\pm$ 0.1	0.7 $\pm$ 0.1	0.5 $\pm$ 0	0.9 $\pm$ 0.7	0.1 $\pm$ 0	0 $\pm$ 0	0.1 $\pm$ 0	0 $\pm$ 0	0.4 $\pm$ 0	0.9 $\pm$ 0.1	0.4 $\pm$ 0.1	0.7 $\pm$ 0.1	0.4 $\pm$ 0.1	0.9 $\pm$ 0.1	0.3 $\pm$ 0	0.8 $\pm$ 0.1
20:2n-6	0.5 $\pm$ 0.1	0.1 $\pm$ 0.3	0.5 $\pm$ 0	0.2 $\pm$ 0.3	0.2 $\pm$ 0	0.2 $\pm$ 0.2	0.2 $\pm$ 0	0 $\pm$ 0	0.4 $\pm$ 0	0.2 $\pm$ 0.2	0.3 $\pm$ 0	0.2 $\pm$ 0.1	0.4 $\pm$ 0	0.3 $\pm$ 0	0.3 $\pm$ 0	0.2 $\pm$ 0.2
20:3 NMIT	0.5 $\pm$ 0	0.5 $\pm$ 0.1	0.4 $\pm$ 0.1	0.6 $\pm$ 0.7	0.2 $\pm$ 0	0.3 $\pm$ 0.6	0.2 $\pm$ 0.1	0.3 $\pm$ 0.4	0.3 $\pm$ 0	0.6 $\pm$ 0.1	0.4 $\pm$ 0.1	0.5 $\pm$ 0.1	0.4 $\pm$ 0	0.6 $\pm$ 0.1	0.4 $\pm$ 0.1	0.6 $\pm$ 0.1
20:3n-6	0.2 $\pm$ 0	0 $\pm$ 0	0.2 $\pm$ 0	0.1 $\pm$ 0.3	0.1 $\pm$ 0	0.1 $\pm$ 0.2	0.2 $\pm$ 0	0 $\pm$ 0	0.2 $\pm$ 0	0.1 $\pm$ 0.1	0.2 $\pm$ 0	0 $\pm$ 0	0.2 $\pm$ 0	0 $\pm$ 0	0.2 $\pm$ 0	0 $\pm$ 0
20:4n-6	2.2 $\pm$ 0.1	3.7 $\pm$ 0.2	2.4 $\pm$ 0.1	4.3 $\pm$ 0.2	0.6 $\pm$ 0.1	1 $\pm$ 0.2	0.7 $\pm$ 0.1	1.1 $\pm$ 0.3	1.3 $\pm$ 0.1	1.2 $\pm$ 0.7	1.3 $\pm$ 0.2	2 $\pm$ 0.1	1.5 $\pm$ 0.1	2.5 $\pm$ 0.3	1.5 $\pm$ 0.2	2.5 $\pm$ 0.4
20:4n-3	0.6 $\pm$ 0.1	0.3 $\pm$ 0.2	0.5 $\pm$ 0.1	0.4 $\pm$ 0.5	0.6 $\pm$ 0	0.3 $\pm$ 0.5	0.5 $\pm$ 0	0 $\pm$ 0	0.5 $\pm$ 0	0 $\pm$ 0	0.5 $\pm$ 0	0 $\pm$ 0	0.5 $\pm$ 0.1	0.2 $\pm$ 0.1	0.5 $\pm$ 0.1	0.1 $\pm$ 0.1
20:5n-3	28.3 $\pm$ 1.8	21 $\pm$ 0.6	28.3 $\pm$ 1.7	17.8 $\pm$ 6.1	36.9 $\pm$ 1.2	32.6 $\pm$ 1.6	36.2 $\pm$ 1.4	27.8 $\pm$ 3.5	23.7 $\pm$ 1.4	10.9 $\pm$ 7.2	23.2 $\pm$ 3.7	17.8 $\pm$ 3.3	25.4 $\pm$ 0.7	15.4 $\pm$ 2.6	23.9 $\pm$ 2.5	16.2 $\pm$ 2.2
22:2NMID1	0.1 $\pm$ 0	0 $\pm$ 0	0.3 $\pm$ 0	0.3 $\pm$ 0.6	0 $\pm$ 0.1	0 $\pm$ 0	0.1 $\pm$ 0	0.1 $\pm$ 0.2	0.1 $\pm$ 0	0.2 $\pm$ 0.2	0.1 $\pm$ 0	0.9 $\pm$ 1.4	0.1 $\pm$ 0.1	0.1 $\pm$ 0.2	0.1 $\pm$ 0	0.2 $\pm$ 0.2
22:2NMID2	1.9 $\pm$ 0.3	3.8 $\pm$ 0.1	2.2 $\pm$ 0.2	4.6 $\pm$ 2	0.5 $\pm$ 0.1	1 $\pm$ 0.1	0.5 $\pm$ 0.1	2 $\pm$ 1.3	1.4 $\pm$ 0.1	4.6 $\pm$ 0.5	1.3 $\pm$ 0.2	3.1 $\pm$ 1.5	1.5 $\pm$ 0.1	3.9 $\pm$ 0.3	1.2 $\pm$ 0.1	3.9 $\pm$ 0.2
22:3 NMIT	1.2 $\pm$ 0.1	1.1 $\pm$ 0.2	1.3 $\pm$ 0.1	1.0 $\pm$ 0.6	0.8 $\pm$ 0	1.1 $\pm$ 0.6	0.7 $\pm$ 0.1	0.7 $\pm$ 0.4	0.7 $\pm$ 0.1	0.5 $\pm$ 0.1	0.6 $\pm$ 0.1	0.5 $\pm$ 0.3	0.8 $\pm$ 0	0.7 $\pm$ 0.1	0.8 $\pm$ 0.1	0.7 $\pm$ 0.1
22:4n-6	0.3 $\pm$ 0	1.0 $\pm$ 0.7	0.3 $\pm$ 0	1.1 $\pm$ 0.8	0.1 $\pm$ 0	0 $\pm$ 0	0.1 $\pm$ 0	0 $\pm$ 0	0.1 $\pm$ 0	0.4 $\pm$ 1	0.1 $\pm$ 0	0 $\pm$ 0	0.1 $\pm$ 0	0.1 $\pm$ 0	0.1 $\pm$ 0	0 $\pm$ 0
22:5n-3	1.2 $\pm$ 0.1	2.2 $\pm$ 0.2	1.2 $\pm$ 0.1	2 $\pm$ 0.6	0.7 $\pm$ 0.1	1.2 $\pm$ 0.3	0.6 $\pm$ 0.1	0.7 $\pm$ 0.5	0.6 $\pm$ 0.1	0.4 $\pm$ 0.4	0.5 $\pm$ 0.1	0.7 $\pm$ 0.2	0.7 $\pm$ 0	0.8 $\pm$ 0.2	0.6 $\pm$ 0.1	0.7 $\pm$ 0.2
22:6n-3	8.3 $\pm$ 0.6	9.2 $\pm$ 0.8	9.2 $\pm$ 0.5	9.3 $\pm$ 2.1	1.5 $\pm$ 0.2	1.8 $\pm$ 0.6	1.7 $\pm$ 0.2	1.3 $\pm$ 0.8	3.3 $\pm$ 0.4	1 $\pm$ 1.2	3.1 $\pm$ 0.7	2.2 $\pm$ 0.6	4.4 $\pm$ 0.3	2.6 $\pm$ 0.7	4 $\pm$ 0.9	2.8 $\pm$ 0.9
<b>Fatty acid group (% total FA)</b>																
SAFA	26 $\pm$ 0.6	24.3 $\pm$ 1.1	24.6 $\pm$ 1.6	25.4 $\pm$ 1	27.5 $\pm$ 1	38.4 $\pm$ 3.4	28.2 $\pm$ 1.4	43.3 $\pm$ 7	32.1 $\pm$ 1.2	47 $\pm$ 7.8	31 $\pm$ 5.6	41.6 $\pm$ 2.6	31.1 $\pm$ 0.5	40.7 $\pm$ 2.3	32.7 $\pm$ 2.0	41 $\pm$ 2.8
MUFA	20.7 $\pm$ 0.6	9.3 $\pm$ 0.4	20.1 $\pm$ 1	9.9 $\pm$ 2	23.6 $\pm$ 2.2	17.4 $\pm$ 2.1	23.1 $\pm$ 0.9	16.8 $\pm$ 1.7	27.3 $\pm$ 0.9	15.8 $\pm$ 2.2	29.6 $\pm$ 2.1	14.9 $\pm$ 1.7	24.4 $\pm$ 0.9	14.3 $\pm$ 1	25.1 $\pm$ 1.2	13.7 $\pm$ 1.7
PUFA	52.6 $\pm$ 1.1	52.5 $\pm$ 1.3	54.5 $\pm$ 2.5	51.3 $\pm$ 5.9	48.4 $\pm$ 1.3	43.5 $\pm$ 5.1	47.7 $\pm$ 1.9	37.7 $\pm$ 6.7	39.9 $\pm$ 1.8	27.6 $\pm$ 9	38.8 $\pm$ 5.1	34.6 $\pm$ 3.3	44 $\pm$ 1	35.3 $\pm$ 2.9	41.6 $\pm$ 3.2	36.6 $\pm$ 3.9
DMA	0.7 $\pm$ 0.1	14 $\pm$ 0.3	0.7 $\pm$ 0.1	13.4 $\pm$ 3.4	0.5 $\pm$ 0.9	0.7 $\pm$ 0.3	0.9 $\pm$ 0.5	2.2 $\pm$ 1.2	0.7 $\pm$ 0.1	9.5 $\pm$ 1.9	0.6 $\pm$ 0.1	8.9 $\pm$ 0.8	0.6 $\pm$ 0.1	9.7 $\pm$ 0.8	0.5 $\pm$ 0.1	8.7 $\pm$ 0.2
NMI	4.6 $\pm$ 0.5	9 $\pm$ 0.3	5.1 $\pm$ 0.7	10.1 $\pm$ 2.8	1.9 $\pm$ 0.2	2.6 $\pm$ 0.8	1.9 $\pm$ 0.4	3.9 $\pm$ 3	3.3 $\pm$ 0.2	9.5 $\pm$ 0.8	3.2 $\pm$ 0.4	7.9 $\pm$ 0.9	3			

Table S3. Relative fatty acid (FA) percentage of the neutral and polar lipids of the mantle of female and male *Mytilus galloprovincialis* during four seasons. FA are the mean ± SD of five replicate samples. Values '≤ 0%' indicate that the FA was below the detection limit.

SAFA=saturated FA, MUFA=monounsaturated FA, PUFA=polyunsaturated FA, DMA= dimethylacetal derivatives of aldehydes, n-3/n-6= PUFA ratio for the n-3 and n-6 series, NMI=non-methylene-interrupted FA. 20:2NMID1= 20:2Δ5,11; 20:2NMID2= 20:2Δ5,13; 22:2NMID1= 22:2Δ7,13; 22:2NMID2=22:2Δ7,15; 20:3NMIT= 20:3Δ5,11,14; 22:3NMIT= 22:3Δ7,13,16.

FA (%)	Winter				Spring				Summer				Autumn			
	Females		Males		Females		Males		Females		Males		Females		Males	
	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar	Neutral	Polar
14:0	3.5±0.3	1.2±0.2	2.4±0.3	1.3±0.7	7.4±0.3	3.3±0.4	4±0.4	1.4±0.4	4.8±0.4	1.9±0.2	3.4±0.4	0.9±0.3	4.3±0.8	2.3±0.5	3.2±0.3	1.8±0.5
15:0	0.6±0	0.5±0.1	0.7±0.1	0.7±0.3	0.4±0	0.5±0.1	0.8±0.2	0.4±0.1	0.5±0	0.5±0.1	0.6±0.1	0.4±0.1	0.6±0.1	0.7±0.1	0.7±0.1	0.6±0.1
16:0	21.1±0.6	15.8±1	17.5±1.1	18.6±0.7	26.2±1	18.3±6.9	19.2±0.9	22.8±6.9	24.5±1.1	22.3±1.5	22.6±0.6	26.9±1.5	24.6±3.1	25.1±4.2	22.3±1.3	27.7±3.2
16:1n-7	11.6±0.6	2.6±0.3	8.6±0.8	2±0.8	16.7±0.6	3.3±0.4	9.8±0.8	1.9±0.4	16.9±0.6	3.3±0.3	1.5±0.7	1.4±0.6	1.2±0.5	4±0.9	1.2±0.5	3.1±1.1
17:0	1.3±0.1	1.4±0.3	3.6±5.1	1.9±0.3	1.5±0.1	1.1±0.3	1.4±0.5	1.3±0.3	1.5±0	1.2±0.2	0.1±0.1	1.5±0.1	0.2±0	1.4±0.4	0.2±0	1.8±0.3
17:1n-9	0±0	0±0	0±0	0±0	0.2±0	0±0	0.9±1.3	0±0	0.2±0	0±0	0.7±0.2	0±0	0.5±0.1	0.3±0.2	0.6±0.1	0.3±0.1
DMA 18:0	0.5±0.1	17±0.4	0.7±0.1	12.8±0.9	0.2±0	11.9±3.4	0.7±0.3	6.5±3.4	0.3±0	16.8±1	0±0	11.2±0.8	0±0	15.4±1.2	0±0	11.2±5.4
16:4n-4	0.1±0.1	0.1±0.1	0±0	0±0	0.2±0	0±0	0±0	0.1±0	0±0	0±0	6.5±1.6	0±0	3.7±0.9	0±0	4.3±0.4	0±0
18:0	2.9±0.1	3.6±0.4	4.1±0.7	5.8±0.6	2±0.2	3.3±1.1	7±0.7	7.1±1.1	2.9±0.3	3.8±0.2	0±0	8±1	0±0	5.1±1.2	0±0	6.5±1.9
18:1n-11	0.4±0	0±0	0.5±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0
18:1n-9	1.8±0.2	0.9±0.1	1.6±0.3	0.9±0.3	1.8±0.3	0.7±0.2	1.9±0.3	0.5±0.2	1.2±0.1	0±0	1.8±0.5	0±0	1.3±0.2	0±0	1.3±0.2	0±0
18:1n-7	3.3±0.1	1.4±0.2	3±0.1	2.5±0.2	2.7±0.2	2.2±1.2	4±0.3	5.5±1.2	4.4±0.2	1.1±0.5	5.2±0.4	0.8±0.7	4.2±0.7	0.9±0.2	4.1±0.2	0.7±0.2
18:2n-6	1±0.1	0.7±0.1	1.3±0.3	1±0.4	0.8±0.1	0.5±0.2	0.9±0.1	0.8±0.2	0.9±0	2±0.1	1.1±0.1	3.2±0.2	1±0.2	2.3±0.5	1.1±0.1	3.1±0.2
18:3n-6	0.4±0.1	0.1±0.1	0.3±0.2	0±0	0.5±0	0.2±0	0.6±0.3	0.3±0	0.6±0	0.6±0.1	0.4±0.2	0.6±0.1	0.3±0.1	0.8±0.1	0.2±0.1	0.9±0.1
18:3n-4	0±0	0±0	0±0	0.2±0.5	0±0	0±0.1	0.2±0.3	0.1±0.1	0±0	0±0.1	0.3±0.2	0.2±0.1	0±0	0.1±0.1	0.1±0	0.1±0.1
18:3n-3	0.8±0.1	0.4±0.2	0.8±0.1	0.6±0.1	0.4±0	0.2±0	0.4±0.1	0.4±0	1±0.1	0±0	0.7±0.1	0±0	1±0.2	0±0.1	0.9±0.1	0±0.1
18:4n-3	2.5±0.1	3.3±0.3	1.6±0.9	2.9±0.1	1.2±0	0.9±0.4	0.9±0.1	0.7±0.4	2.1±0.2	0.3±0	1.1±0.3	0.4±0.1	1.9±0.3	0.5±0.1	1.6±0.2	0.5±0.1
DMA 20:1	0.3±0.1	0±0	0±0	0±0	0.6±0.4	0±0	0.5±0.3	0.1±0.1	0.4±0.1	1.8±0.2	0.1±0.2	1.8±0.3	0.2±0.1	1.7±0.2	0.1±0	1.8±0.1
20:1n-11	1.3±0.2	1.4±0	1±0.2	1±0.4	1±0.1	0.9±0.1	1±0.2	0.5±0.1	1±0.1	1.7±0.2	1.1±0.2	0.8±0.3	1.1±0.2	2±0.5	0.7±0.1	1.4±0.5
20:1n-9	1.2±0.1	0.7±0.1	1.2±0.1	1±0.1	0.8±0.1	0.5±0.1	2.9±0.2	1±0.1	1±0.1	0.6±0.1	2.1±0.6	1±0.3	1.2±0.2	1.1±0.3	1.3±0.1	1.2±0.2
20:1n-7	2.1±0.1	0.9±0.1	2.6±0.3	1.2±0.2	1.6±0.2	1.1±0.2	4.7±0.4	1.8±0.2	2.5±0.2	1.2±0.1	4.3±1.1	1.6±0.3	2.8±0.8	1.5±0.5	3±0.3	1.4±0.2
20:2NMID1	0.4±0.1	2.8±0.2	0.1±0.2	1.7±0.4	0.2±0.1	2.4±0.6	0.6±0.2	1.3±0.6	0.3±0.1	3.1±0.3	0.5±0.1	1.6±0.7	0.3±0.1	3.3±0.4	0.3±0	3±0.8
20:2NMID2	0.5±0.1	0.6±0.1	0.6±0.1	0.6±0.1	0.3±0.1	0.3±0.1	0.6±0.2	0.4±0.1	0.6±0	0.8±0.1	1±0.1	0.6±0.2	0.7±0.2	0.8±0.1	0.8±0.1	0.9±0.2
20:2n-6	0.5±0	0.1±0	0.7±0.4	0.2±0.3	0.3±0	0.3±0	0.6±0.1	0.3±0	0.4±0	0.3±0	0.5±0	0.2±0	0.5±0.1	0.3±0	0.5±0.1	0.3±0
20:3 NMIT	0.5±0.1	0.4±0.3	1±0.5	0.2±0.3	0.3±0.1	0.3±0.2	1.1±0.4	0.2±0.2	0.4±0	0.3±0	1.1±0.4	0.2±0	0.6±0.2	0.4±0.1	0.7±0.3	0.3±0.1
20:3n-6	0.2±0	0.2±0.5	0.2±0.2	0±0	0.1±0	0.1±0.1	0.2±0.1	0.1±0.1	0.1±0	0.1±0.1	0.2±0.1	0.1±0	0.2±0.1	0.1±0.1	0.3±0.1	0.1±0.1
20:4n-6	1.9±0.2	3.3±0.8	2.5±0.3	3.7±0.2	0.6±0.2	0.9±0.1	1.6±0.1	1.3±0.1	1±0	1.7±0.1	1.4±0.1	2±0.1	2±0.5	2.4±0.4	2±0.3	2.5±0.3
20:4n-3	0.5±0.1	0.2±0.2	0.4±0.3	0±0	0.4±0	0.2±0	0.4±0.1	0.1±0	0.4±0	0.3±0	0.2±0.1	0.1±0	0.4±0.1	0.1±0.1	0.3±0	0.1±0.1
20:5n-3	25.5±1.3	25.7±2.4	26.7±3.1	23.4±2.9	26.8±0.8	39.9±2.8	23.5±2.9	36.7±2.8	22.1±0.7	26.4±2.5	18.1±3.7	26.3±4	19.8±11.1	19.4±7	25.8±0.9	19.6±4.3
22:2NMID1	0.1±0.1	0±0	0±0	0±0	0.1±0	0.3±0.1	0.3±0.1	0.2±0.1	0.1±0	0.2±0	0.1±0.1	0.1±0.1	0.1±0	0.2±0	0.1±0	0.2±0
22:2NMID2	2.4±0.3	3.3±0.5	2.3±0.8	2.4±0.8	1.3±0	2.3±0.5	2.4±0.4	1.4±0.5	2.5±0.2	3.3±0.2	3.2±0.6	1.8±0.8	2.6±0.6	3.2±0.9	2.1±0.2	2.9±0.7
22:3 NMIT	1±0.1	1.3±0.5	1.7±0.8	0.9±0.3	0.8±0	0.9±0.1	1.3±0.1	0.7±0.1	0.7±0.1	0.6±0	0.8±0.2	0.5±0.1	0.8±0.2	0.6±0.2	0.8±0.1	0.6±0.1
22:4n-6	0.3±0.1	0.7±0.5	0.3±0.3	0.7±0.1	0.1±0	0±0.1	0.1±0.1	0.1±0.1	0.1±0	0±0	0.1±0.1	0.1±0	0.1±0	0±0	0.1±0	0.1±0.1
22:5n-3	1.5±0.2	2.5±0.3	1.7±0.3	2.1±0.1	1.1±0.1	2±0.5	1.5±0.2	1.9±0.5	0.9±0.1	1.2±0.1	1±0.1	1.3±0.2	1.2±0.2	1.2±0.9	1±0.1	1±0.2
22:6n-3	8.1±0.7	7.2±0.5	10.4±0.7	9.7±0.6	1.5±0.1	1.3±0.5	4±0.7	2.1±0.5	3.7±0.5	2.7±0.4	4.4±0.8	4.4±0.5	6.4±1.8	3±1.1	6.8±0.7	4.3±1.2
<b>Fatty acid group (% total FA)</b>																
SAFA	29.4±0.7	22.5±1.4	28.3±4.2	28.3±0.4	37.5±0.9	26.5±1.2	32.4±2.1	33.1±6.5	34.2±1.4	29.6±1.9	34.6±2	37.7±1.4	34.4±4.6	34.6±6.2	31.6±1.7	38.4±5.2
MUFA	21.7±1.1	7.9±0.5	18.5±0.3	8.7±1.3	24.8±0.7	8.6±0.4	25.2±1	11.2±2.1	27.2±0.7	9.8±1.1	28.3±2.1	8.9±1.7	24.7±3.5	11.9±2.8	22.2±0.9	11.3±1.9
PUFA	48.1±1.7	52.7±2.1	52.5±4	50.1±1.1	36.9±1.1	53±1.9	41.2±3	49.1±4.8	37.9±1.3	43.8±2.7	36.2±3.7	42.3±2.9	40.2±8	38.1±8	45.5±1.7	39.1±4.1
DMA	0.8±0.1	17±0.4	0.7±0.1	12.8±0.9	0.8±0.4	11.9±0.8	1.2±0.3	6.6±3.4	0.7±0.1	16.8±1	0.8±0.3	11.2±0.8	0.7±0.1	15.4±1.2	0.6±0.1	11.2±5.4
NMI	4.9±0.4	8.3±1	5.7±1.4	5.8±1.4	3±0.2	6.5±0.4	6.3±1	4.3±1.4	4.6±0.2	8.3±0.5	6.7±1.1	4.8±1.8	5.2±1.2	8.5±1.4	4.8±0.4	7.9±1.8
PUFA n-3	38±1.7	38.8±2.9	40.8±3.7	38.1±2.7	30.9±0.8	44.4±2	30.3±3.6	41.4±4	29.3±1.2	32.4±2.8	24.8±4.8	33.9±4.3	29.8±9.9	25.4±8.8	35.5±1.7	26.7±5.5
n-3/n-6	9.1±0.6	8.1±2.3	8±1.1	7.1±0.9	13.2±1.4	23.4±1.8	7.7±1	14.3±1.5	10±0.5	12.1±0.8	6.9±1.4	10.8±1.4	7.7±3	7±2	8.7±1.2	6.8±1.0