

Title: Effect of Temperature and Light Intensity on the Polar Lipidome of Endophytic Brown Algae *Streblonema corymbiferum* and *Streblonema* sp. in Vitro

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Table S1. Molecular species composition of MGDG, DGDG, SQDG, PG, PE, PC, PI, PHEG and DGTS of *Streblonema corymbiferum* and *Streblonema* sp. at various cultivation temperatures. Values given as % of total lipid class, (mean \pm s.d. for triplicate). “+” – amount less than 0.1%, “-” – not detected. Between columns result of Tukey test ($p < 0.05$, $n=3$) are shown (“>”, “<” – statistically significant difference, “=” – no significant changes), “T” – difference between 5 and 25 °C.

MGDG	<i>Streblonema corymbiferum</i>							<i>Streblonema</i> sp.						
	5 °C	10 °C	15 °C	20 °C	25 °C	T	#	5 °C	10 °C	15 °C	20 °C	25 °C	T	
16:2/14:0	+ >	-	- <	+ =	+ =	-	-	- <	+ >	+ <	+ <	+ <	-	
14:0/16:1	+ =	+ =	+ =	+ =	+ =	+ =	-	+ =	+ =	+ =	+ =	+ =	+ =	
14:0/16:0	+ =	+ =	+ =	+ =	+ =	+ =	-	+ =	+ =	+ =	+ =	+ =	+ =	
16:3/16:4	+ <	+ =	+ =	+ =	+ =	+ =	-	+ =	+ =	+ =	+ >	- >	-	
16:3/16:3	0.1±0.0	< 0.4±0.0	> 0.2±0.1	>	+ =	+ >	0.1±0.0	= 0.1±0.1	>	+ =	+ =	+ =	+ =	
16:2/16:3	0.1±0.0	< 0.4±0.1	= 0.5±0.3	=	0.6±0.2	=	0.6±0.3	<	0.1±0.1	= 0.4±0.2	= 0.4±0.2	= 0.4±0.2	= 0.5±0.2	
14:1/18:4	+ <	0.1±0.1	= 0.1±0.1	>	+ =	+ =	+ =	+ =	0.1±0.0	= +	+ =	+ =	+ =	
18:3/14:1	+ =	+ =	+ <	+ =	+ =	+ =	+ =	+ =	0.1±0.1	= 0.1±0.2	= 0.1±0.2	= 0.1±0.2	+ =	
16:1/16:3	0.1±0.0	< 0.5±0.2	= 0.7±0.3	=	1.0±0.3	<	2.4±0.1	<	0.1±0.0	= 0.2±0.1	= 0.4±0.2	< 0.9±0.2	= 1.6±0.0	
14:0/18:4	+ <	0.1±0.0	= 0.1±0.0	=	0.1±0.0	=	0.1±0.1	=	0.2±0.1	= 0.1±0.1	= 0.1±0.1	= 0.1±0.1	= 0.1±0.1	
16:1/16:2	0.2±0.2	= 0.3±0.2	= 0.1±0.0	=	0.1±0.1	=	0.3±0.2	=	0.1±0.0	= 0.1±0.1	= +	= +	= 0.1±0.0	
14:0/18:3	0.3±0.2	= 0.5±0.3	= 0.5±0.1	=	0.4±0.2	=	0.5±0.3	=	0.7±0.1	= 0.6±0.2	= 0.5±0.0	> 0.2±0.1	= 0.3±0.1	
16:0/16:3	0.2±0.3	=	+ >	+ =	+ =	+ >	+ =	+ =	+ >	+ =	+ =	+ =	+ =	
16:1/16:1	+ =	+ =	0.1±0.0	=	0.1±0.0	=	0.2±0.1	<	+ =	+ =	+ <	0.2±0.1	= 0.2±0.0	
14:0/18:2	0.3±0.2	> 0.1±0.0	= 0.2±0.1	=	0.1±0.0	=	0.1±0.0	>	0.4±0.2	> 0.1±0.0	= 0.2±0.1	> 0.1±0.0	= 0.1±0.0	
14:0/18:1	1.2±0.2	< 2.0±0.1	< 2.2±0.1	=	2.0±0.3	=	2.0±0.4	<	1.1±0.1	= 1.0±0.5	= 1.4±0.2	> 1.0±0.0	= 0.9±0.0	
16:0/16:1	+ =	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
16:0/16:0	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
16:1/17:3	+ =	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
15:0/18:4	+ <	+ =	+ =	+ =	+ =	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	
15:0/18:4	0.1±0.0	= 0.1±0.0	> 0.1±0.1	<	+ >	+ >	0.1±0.1	= 0.1±0.0	= 0.1±0.0	= 0.1±0.0	= 0.1±0.0	= 0.1±0.0	= 0.1±0.0	
15:0/18:3	0.3±0.1	= 0.2±0.0	> 0.1±0.0	>	+ =	0.1±0.0	>	0.2±0.1	= 0.2±0.1	= 0.2±0.1	= 0.1±0.0	= 0.1±0.1	>	
15:0/18:2	+ =	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
18:1/15:0	- <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
15:0/18:1	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ =	+ =	+ =	
15:0/18:1	+ =	0.1±0.0	= 0.1±0.0	>	+ =	+ =	+ =	+ =	0.1±0.0	= 0.1±0.0	= 0.1±0.0	= 0.1±0.0	= 0.1±0.0	
17:1/16:0	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
16:4/18:4	0.1±0.1	= 0.1±0.0	= 0.1±0.0	=	+ =	+ >	0.1±0.1	>	+ =	+ =	+ >	+ >	+ >	
16:3/18:4	+ =	+ <	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=	+ <	0.1±0.0	>	+ =	+ =	
18:3/16:4	0.1±0.0	=	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
18:3/16:3	+ =	0.1±0.0	= 0.1±0.1	=	0.1±0.1	=	0.1±0.0	=	0.1±0.1	= 0.1±0.1	= 0.1±0.1	= 0.1±0.1	= 0.1±0.1	
16:2/18:4	+ =	+ =	0.1±0.0	=	+ =	0.1±0.1	=	0.1±0.0	=	+ =	0.1±0.0	= 0.1±0.0	= 0.1±0.0	
16:2/18:3	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
18:4/16:1	+ <	0.1±0.0	= 0.1±0.1	=	0.1±0.0	=	0.2±0.1	<	+ =	0.1±0.0	= 0.1±0.0	= 0.1±0.1	= 0.2±0.1	
16:1/18:4	+ =	+ <	0.1±0.0	=	0.2±0.2	=	0.1±0.1	=	0.1±0.0	= 0.1±0.0	= 0.1±0.1	= 0.1±0.1	= 0.2±0.1	
18:1/16:4	0.1±0.1	= 0.1±0.0	= 0.1±0.1	=	0.2±0.1	=	0.1±0.1	=	0.1±0.0	= 0.1±0.0	= 0.1±0.1	= 0.3±0.2	= 0.3±0.2	
20:5/14:0	0.1±0.0	= 0.1±0.0	= 0.1±0.0	=	0.1±0.0	=	0.1±0.1	=	+ =	+ =	+ =	+ =	+ =	
14:0/20:5	+ =	0.1±0.0	= 0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	+ =	+ =	+ =	
18:5/16:0	+ =	0.1±0.1	= 0.1±0.0	=	0.1±0.0	=	0.1±0.1	=	+ =	+ =	0.1±0.0	= +	+ =	
18:3/16:1	0.1±0.0	= 0.1±0.0	= 0.2±0.1	=	0.2±0.1	=	0.2±0.0	=	0.1±0.0	= 0.1±0.0	< 0.2±0.0	= 0.3±0.0	<	
16:1/18:3	+ <	0.1±0.0	= 0.1±0.0	=	0.1±0.0	=	0.2±0.1	<	+ <	0.1±0.0	= 0.1±0.1	= 0.1±0.0	= 0.1±0.0	
18:1/16:3	+ =	+ =	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	0.1±0.0	= 0.1±0.0	= +	= +	= 0.1±0.0	
14:0/20:4	0.2±0.0	= 0.1±0.1	= 0.2±0.1	=	0.1±0.0	=	0.1±0.1	=	0.1±0.1	= 0.3±0.2	= 0.1±0.1	= 0.2±0.1	= 0.1±0.1	
16:0/18:4	0.1±0.1	= 0.1±0.1	= 0.1±0.0	=	0.1±0.0	=	0.1±0.0	=	0.1±0.1	= 0.1±0.1	= 0.1±0.1	= 0.3±0.2	= 0.1±0.0	
18:2/16:1	+ <	+ =	+ =	+ <	0.1±0.0	<	+ =	=	+ =	+ =	0.1±0.1	= 0.1±0.0	= 0.1±0.0	
16:1/18:2	+ <	+ =	+ =	+ =	+ =	+ <	+ =	=	+ =	+ =	0.1±0.0	= +	<	
18:1/16:2	+ =	+ <	+ =	+ =	+ =	+ =	+ =	=	+ >	+ =	+ =	+ =	+ =	
16:0/18:3	1.9±0.4	> 1.3±0.0	> 0.5±0.1	=	0.5±0.3	=	0.5±0.2	>	2.6±0.3	=	2.5±0.4	= 2.3±0.5	= 1.9±0.1	= 1.4±0.0
18:0/16:3	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =
18:1/16:1	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ =	+ =	+ =	+ =

DGDG	<i>Strebionema corymbiferum</i>						<i>Strebionema sp.</i>							
	5 °C	10 °C	15 °C	20 °C	25 °C	T	#	5 °C	10 °C	15 °C	20 °C	25 °C	T	
14:0/16:1	+	<	0.1±0.0	0.1±0.0	=	0.1±0.1	=	0.1±0.0	=	+	=	0.1±0.0	=	
14:0/16:0	+	=	+	=	+	=		+	<	+	<	+	=	
16:1/16:4	0.1±0.0	>	+	=	0.1±0.0	=		+	=	+	=	+	=	
16:3/16:1	+	=	+	=	+	=		+	=	+	<	0.1±0.0	=	
14:0/18:4	0.2±0.2	=	0.2±0.0	>	0.1±0.0	=		0.1±0.0	>	0.5±0.5	=	0.3±0.0	>	
16:1/16:2	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=		+	=	0.1±0.1	=	0.1±0.1	>	
14:0/18:3	3.3±0.6	=	2.4±0.5	=	3.1±0.6	>	2.0±0.2	=	2.4±0.4	>	3.5±0.3	>	1.5±1.1	=
16:1/16:1	0.1±0.0	=	0.1±0.0	<	0.2±0.0	=	0.1±0.1	<	0.4±0.1	<	0.1±0.0	=	0.2±0.1	=
14:0/18:2	0.4±0.2	=	0.4±0.1	=	0.3±0.2	=	0.3±0.1	=	0.3±0.1	=	0.6±0.3	=	0.2±0.2	=
14:0/18:1	0.5±0.1	<	1.6±0.4	<	2.4±0.5	=	2.9±0.4	=	2.9±0.3	<	0.2±0.1	=	0.3±0.0	=
16:0/16:1	0.8±0.1	<	1.4±0.4	=	1.2±0.5	=	0.8±0.1	<	1.6±0.4	<	+	=	0.1±0.1	=
16:0/16:0	0.1±0.0	>	+	>	+	>	-	<	+	>	+	=	+	=
15:0/18:4	+	=	+	=	+	=	+	=	+	=	+	=	+	>
15:0/18:3	0.1±0.0	=	+	<	0.1±0.0	=	0.1±0.1	=	+	=	0.1±0.0	=	0.1±0.1	=
15:0/18:2	+	=	+	=	+	=	+	=	+	=	0.1±0.0	>	+	<
15:0/18:1	+	<	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=	0.1±0.1	=	+	=	0.1±0.0	=
16:3/18:3	0.1±0.1	=	+	=	+	=	+	=	0.1±0.1	=	+	=	0.1±0.0	>
18:4/16:2	0.1±0.1	=	+	<	+	=	+	=	+	=	+	=	0.1±0.0	=
16:2/18:3	+	=	+	=	+	=	+	=	+	=	+	=	0.1±0.0	=
18:4/16:1	0.1±0.0	>	+	=	+	=	+	=	0.1±0.1	=	+	=	0.1±0.1	=
20:5/14:0	0.1±0.1	=	+	<	0.2±0.1	=	0.2±0.0	=	0.3±0.2	=	+	=	0.1±0.0	=
16:1/18:3	0.4±0.2	=	0.2±0.1	=	0.2±0.1	=	0.2±0.1	=	0.3±0.1	=	0.2±0.1	=	0.1±0.1	=
16:0/18:4	0.7±0.1	>	0.3±0.1	=	0.2±0.1	>	0.1±0.1	=	0.1±0.0	>	0.3±0.1	=	0.2±0.1	=
16:1/18:2	+	=	+	=	+	=	+	<	+	>	0.1±0.0	>	0.1±0.1	=
14:0/20:3	0.1±0.0	>	+	=	0.1±0.0	=	0.1±0.1	=	+	=	0.1±0.1	=	0.1±0.1	=
16:0/18:3	2.9±0.5	>	1.4±0.3	<	2.4±0.3	>	0.8±0.2	=	1.4±0.6	>	5.4±0.6	<	6.9±0.9	>
16:0/18:2	0.3±0.2	=	0.2±0.0	=	0.2±0.0	=	0.2±0.1	=	0.2±0.0	=	0.6±0.3	=	0.4±0.2	<
16:0/18:1	0.6±0.1	<	1.0±0.2	=	1.1±0.1	=	0.8±0.4	=	1.1±0.4	=	0.4±0.3	<	1.0±0.3	<
20:5/16:4	0.1±0.1	=	0.1±0.0	=	+	=	+	>	+	=	0.1±0.0	=	+	=
18:4/18:4	3.1±0.9	=	2.4±0.2	>	1.9±0.2	>	1.1±0.3	>	0.4±0.1	>	2.8±0.1	=	2.1±0.7	=
18:3/18:4	1.4±0.3	<	2.8±1.0	>	0.8±0.4	=	1.5±0.4	>	0.8±0.3	=	1.7±0.8	<	3.6±0.6	=
20:5/16:2	1.7±0.3	=	1.8±0.5	=	2.4±0.2	=	2.6±0.5	>	1.1±0.4	=	1.4±0.8	=	1.0±0.6	=
16:3/20:4	+	=	+	=	+	=	0.2±0.3	=	+	=	+	=	+	=
18:3/18:3	7.0±0.3	=	6.6±0.3	>	6.1±0.1	<	6.9±0.6	<	8.2±0.8	=	8.3±1.3	<	10.4±0.3	=
20:5/16:1	0.5±0.1	=	0.4±0.1	=	0.4±0.2	<	1.6±0.3	<	3.6±0.8	<	0.3±0.1	>	0.1±0.0	=
18:3/18:2	1.5±0.2	>	0.8±0.3	=	0.8±0.3	=	0.5±0.1	<	1.0±0.2	>	2.0±0.2	<	2.8±0.3	>
20:4/16:1	0.1±0.0	=	+	=	0.1±0.0	=	0.1±0.1	=	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=
20:5/16:0	0.5±0.1	>	0.3±0.2	=	0.4±0.1	=	0.7±0.3	<	1.7±0.3	<	0.1±0.1	=	0.1±0.0	=
18:2/18:2	0.1±0.0	=	0.2±0.3	=	+	=	+	<	0.2±0.1	<	0.2±0.1	=	0.2±0.1	=
18:3/18:1	0.4±0.1	<	1.8±0.2	>	0.9±0.7	=	1.3±0.8	=	1.4±0.9	=	0.4±0.0	=	0.5±0.3	=
20:4/16:0	0.3±0.3	=	+	=	+	=	0.4±0.6	=	0.1±0.1	=	0.1±0.1	=	0.2±0.1	=
16:0/20:4	+	=	+	=	+	=	+	<	+	=	+	=	+	=
18:2/18:1	0.1±0.0	=	+	=	+	=	0.1±0.0	=	0.1±0.1	=	+	<	0.1±0.0	=
20:3/16:0	0.1±0.0	>	+	=	+	=	+	=	+	=	0.1±0.1	=	+	<
16:0/20:3	+	=	+	=	+	=	0.1±0.1	=	+	=	0.1±0.0	=	0.1±0.0	=
18:0/18:3	+	=	0.1±0.0	=	0.1±0.0	>	+	=	+	=	0.1±0.1	<	0.4±0.2	=
18:1/18:1	0.1±0.1	=	+	=	+	=	0.1±0.0	=	+	=	0.1±0.0	=	0.1±0.0	=
18:0/18:2	+	=	+	=	+	=	+	<	+	=	+	=	0.1±0.0	=
18:0/18:1	+	=	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=	0.1±0.1	=	0.1±0.1	=
18:2/19:3	+	=	+	=	0.1±0.1	=	+	=	0.1±0.0	=	0.1±0.1	=	0.2±0.2	=
18:3/19:1	+	=	+	=	+	=	+	=	+	=	0.1±0.1	=	0.1±0.1	=
20:5/18:4	55.2±4.6	>	47.3±1.0	>	40.9±1.7	>	32.1±1.8	>	21.7±0.8	>	55.2±4.3	>	45.6±1.9	>
20:5/18:3	9.6±1.2	<	16.7±0.5	<	21.7±1.1	<	29.4±0.8	<	31.3±0.3	<	9.2±0.9	<	14.6±0.4	<
20:4/18:4	5.2±1.2	=	4.5±0.9	=	4.6±0.5	>	2.6±0.5	=	2.5±0.9	>	3.7±1.5	=	3.5±0.1	>
20:4/18:3	1.1±0.1	=	1.1±0.3	<	2.0±0.3	=	1.7±0.4	<	5.2±0.9	<	0.6±0.4	=	1.1±0.6	=
20:5/18:2	0.5±0.1	<	1.1±0.4	=	0.8±0.2	<	3.2±0.2	=	2.0±1.2	<	0.6±0.3	=	1.0±0.6	=
20:3/18:3	+	=	0.1±0.0	=	+	=	+	=	+	=	+	=	+	<
20:4/18:2	0.1±0.0	=	0.1±0.0	=	0.7±0.7	=	0.2±0.1	=	0.2±0.2	=	0.1±0.0	=	0.6±0.1	<
20:5/18:1	0.3±0.2	<	1.8±0.3	=	2.5±0.7	<	4.6±0.6	<	6.2±0.4	<	+	<	0.2±0.1	<
18:3/20:2	+	=	+	=	+	=	+	=	+	=	0.1±0.1	=	0.1±0.1	=
20:4/18:1	0.1±0.1	=	+	=	+	=	0.1±0.0	=	0.2±0.1	=	+	=	0.1±0.0	=
20:3/18:1	+	=	+	=	+	=	+	=	+	=	0.1±0.0	=	+	=
18:1/20:2	+	=	+	=	+	=	+	<	+	=	+	=	+	=

SQDG	<i>Strebblonema corymbiferum</i>						<i>Strebblonema</i> sp.					
	5 °C	10 °C	15 °C	20 °C	25 °C	T	#	5 °C	10 °C	15 °C	20 °C	25 °C
14:0/14:0	0.1±0.0 <	0.3±0.1	0.3±0.1 =	0.5±0.3 =	0.9±0.2 <		0.3±0.1 =	0.4±0.3 =	0.1±0.1 <	0.4±0.1 =	0.5±0.5 =	
14:0/16:1	0.3±0.1 =	0.5±0.2 <	0.7±0.1 =	1.1±0.4 <	2.4±0.2 <		0.4±0.1 =	0.5±0.2 =	0.3±0.2 <	0.8±0.3 =	1.4±0.5 <	
14:0/16:0	1.0±0.0 <	1.5±0.2 <	2.2±0.1 <	4.8±1.2 <	8.0±0.6 <		1.2±0.6 <	2.4±0.1 <	3.7±0.9 <	7.2±1.0 <	10.8±0.5 <	
16:1/15:0	+ =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.2±0.2 =		0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	
16:0/15:0	0.1±0.0 >	+ =	+ <	0.1±0.0 =	0.1±0.1 =		0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.2±0.1 =	0.3±0.2 =	
14:0/18:3	5.0±1.2 =	3.6±0.2 >	2.6±0.3 >	1.8±0.2 >	1.2±0.1 >		2.4±0.2 >	1.9±0.2 >	1.2±0.5 =	1.0±0.2 =	0.6±0.5 >	
14:0/18:2	3.3±0.3 =	3.0±0.4 =	3.1±0.3 =	3.7±0.8 =	3.8±0.4 =		3.0±0.8 =	3.6±0.9 >	2.2±0.4 <	3.9±0.7 =	3.8±0.3 =	
14:0/18:1, 16:0/16:1, 16:1/16:0	7.1±0.4 <	12.4±1.1 <	14.4±0.8 <	20.2±1.5 <	26.8±0.7 <		5.8±0.9 =	7.7±1.4 =	6.6±1.0 <	11.4±0.6 =	11.9±4.2 <	
16:0/16:0	0.2±0.0 =	0.2±0.1 <	0.5±0.1 =	0.7±0.1 <	1.2±0.3 <		1.4±0.3 <	2.4±0.7 <	4.4±0.4 <	6.4±0.7 <	9.4±0.9 <	
15:0/18:3	0.3±0.3 =	0.3±0.1 =	0.1±0.1 =	+ =	0.1±0.1 >		0.2±0.2 =	0.1±0.1 =	0.2±0.1 =	0.1±0.0 =	0.1±0.0 =	
15:0/18:2	0.2±0.0 >	0.1±0.0 =	0.1±0.1 =	0.2±0.1 =	0.1±0.1 =		0.1±0.1 =	0.1±0.1 <	0.3±0.1 =	0.3±0.1 =	0.4±0.1 <	
15:0/18:1	0.4±0.2 =	0.4±0.0 =	0.4±0.2 =	0.2±0.0 =	0.5±0.2 =		0.1±0.0 <	0.4±0.1 =	0.1±0.1 =	0.2±0.1 =	0.5±0.0 <	
17:1/16:0	0.4±0.3 =	0.6±0.2 =	0.6±0.1 =	0.6±0.3 =	0.6±0.1 =		0.7±0.4 =	0.5±0.1 =	0.2±0.0 =	0.2±0.1 =	0.4±0.3 =	
14:0/20:5	- #	+ =	+ =	0.1±0.1 =	+ =		0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	+ =	0.1±0.1 =	
16:1/18:3	0.2±0.2 =	+ =	+ =	+ >	- >		0.1±0.1 =	0.1±0.0 >	+ =	+ =	+ =	
20:4/14:0	0.1±0.0 =	+ =	+ =	+ =	0.1±0.1 =		0.1±0.1 =	+ =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	
14:0/20:4	0.1±0.0 =	0.1±0.1 =	+ =	+ =	+ =		0.1±0.0 =	+ =	0.1±0.0 =	+ =	0.1±0.1 =	
18:3/16:0	22.9±1.5 >	16.8±1.1 >	14.5±1.1 >	10.0±1.0 >	6.3±1.0 >		23.5±2.4 >	17.5±1.4 >	15.1±0.5 >	12.5±0.9 >	8.5±0.5 >	
18:2/16:0	8.9±0.4 >	6.0±0.0 >	4.7±0.8 =	5.2±0.2 =	5.1±0.4 >		9.8±0.1 <	11.3±0.8 =	10.3±0.6 <	16.0±1.3 =	18.2±3.5 <	
18:1/16:0	40.3±1.3 <	48.7±1.3 =	50.0±1.2 >	44.4±3.2 >	38.0±2.0 =		41.7±0.9 =	44.1±3.0 <	49.8±3.1 >	35.7±1.4 >	29.6±1.4 >	
18:1/16:0	4.6±0.2 >	2.2±1.0 =	2.0±1.2 =	2.4±0.1 <	2.8±0.3 >		4.2±0.9 >	3.0±0.4 >	2.0±0.6 >	0.9±0.6 =	1.4±0.0 >	
18:0/16:0	0.1±0.0 >	+ =	+ =	0.1±0.0 >	+ >		+ <	0.1±0.0 =	0.1±0.0 =	0.1±0.1 <	0.2±0.1 <	
16:0/19:1	0.1±0.0 =	0.2±0.1 =	0.2±0.2 =	0.3±0.1 =	0.2±0.1 =		0.2±0.0 =	0.1±0.0 =	+ =	+ =	0.1±0.0 =	
17:0/18:1	0.1±0.0 =	+ <	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =		0.1±0.0 =	0.1±0.0 >	- <	+ =	+ =	
18:4/18:4	0.1±0.0 =	0.1±0.1 =	+ =	+ <	0.1±0.0 =		0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	+ =	0.2±0.2 =	
18:3/18:4	0.6±0.3 =	0.3±0.0 =	0.3±0.1 =	0.2±0.1 =	0.1±0.0 >		1.4±0.3 >	0.9±0.1 >	0.4±0.1 =	0.3±0.1 =	0.1±0.1 >	
18:3/18:3	1.0±0.1 =	0.7±0.2 =	0.6±0.1 =	0.4±0.4 =	0.2±0.1 >		1.2±0.1 =	0.8±0.4 =	0.4±0.1 =	0.4±0.1 >	0.1±0.1 >	
18:2/18:4	0.1±0.1 =	0.1±0.1 =	0.2±0.0 =	0.1±0.1 =	+ >		0.2±0.1 =	0.3±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	
18:3/18:2	0.3±0.0 >	0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	0.1±0.1 =		0.1±0.0 =	0.2±0.2 =	0.1±0.1 =	0.3±0.5 =	0.3±0.2 =	
18:2/18:3	0.6±0.3 =	0.3±0.1 >	0.1±0.1 =	0.3±0.1 =	0.1±0.1 >		0.4±0.2 =	0.5±0.1 =	0.6±0.2 =	0.4±0.3 =	0.3±0.1 =	
18:1/18:4	0.1±0.0 =	+ =	+ =	+ =	0.1±0.0 =		+ =	+ >	- =	+ =	0.1±0.0 <	
20:5/16:0	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.2±0.1 =	+ =		0.1±0.0 =	0.1±0.1 =	+ =	+ =	+ >	
18:3/18:1	0.6±0.1 >	0.2±0.1 <	0.4±0.1 <	0.7±0.0 >	0.3±0.1 >		0.2±0.1 =	0.1±0.1 =	0.2±0.1 =	+ =	0.3±0.3 =	
18:0/18:4	0.1±0.0 >	+ =	+ =	0.1±0.1 =	0.1±0.0 =		+ =	0.1±0.0 =	+ =	+ =	+ >	
18:2/18:1	0.1±0.0 =	0.1±0.0 =	+ <	0.1±0.0 >	0.1±0.1 =		+ =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	+ =	
20:3/16:0	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	+ =	0.1±0.0 =		0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.2 =	
16:0/20:3	0.1±0.0 =	0.1±0.0 >	+ =	0.1±0.1 =	+ =		+ =	0.1±0.0 =	0.1±0.0 =	+ =	+ =	
18:1/18:1	+ =	0.3±0.2 =	0.4±0.2 >	0.1±0.1 =	0.2±0.1 =		0.2±0.2 =	0.1±0.1 =	0.5±0.0 >	0.1±0.1 =	0.2±0.1 =	
20:2/16:0	0.1±0.0 =	0.1±0.1 =	0.1±0.0 <	0.2±0.1 >	0.1±0.0 =		0.1±0.0 =	+ <	0.1±0.1 =	+ =	+ =	
18:0/18:2	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =		0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 <	
18:0/18:1	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.2±0.1 =	0.2±0.2 =		+ >	+ <	0.1±0.0 =	0.1±0.1 =	+ =	
16:0/20:0	+ =	+ =	+ =	+ =	+ =		+ =	+ =	+ =	0.1±0.0 =	+ =	
20:5/18:4	0.2±0.1 =	0.2±0.1 =	0.2±0.1 >	0.1±0.0 =	0.1±0.0 >		0.4±0.3 =	0.2±0.1 =	0.2±0.2 =	0.1±0.0 =	+ =	
20:5/18:3	0.1±0.1 =	+ =	0.1±0.1 =	0.2±0.1 =	+ =		+ =	0.1±0.0 =	0.1±0.0 =	+ =	+ =	
20:4/18:4	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	+ =	+ >		0.1±0.0 =	0.1±0.0 =	+ =	+ =	+ >	
20:5/20:5	- #	- #	- #	- #	- #		+ =	+ >	- #	- <	0.1±0.0 =	
20:5/20:4	0.3±0.0 >	+ =	+ =	- <	+ >	- >	0.1±0.0 >	- <	+ >	- #	- >	
20:4/20:4	0.1±0.1 =	+ =	+ =	- <	+ >	- >	0.1±0.0 =	+ >	- #	- <	+ =	
16:0/24:0	+ =	+ =	+ =	+ =	+ =	0.1±0.1 =	0.1±0.0 =	+ =	0.2±0.1 =	+ =	+ =	

PG	<i>Strebionema corymbiferum</i>						#	<i>Strebionema</i> sp.					
	5 °C	10 °C	15 °C	20 °C	25 °C	T		5 °C	10 °C	15 °C	20 °C	25 °C	T
16:1/15:0	+ =	0.1±0.0	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =		0.1±0.0 =	+ <	0.4±0.1 >	0.2±0.1 =	0.1±0.1 =		
16:0/15:0	+ =	+ =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 <		+ =	0.2±0.1 <	0.4±0.0 =	0.3±0.3 =	0.5±0.2 <		
18:3/14:0	0.2±0.1 =	0.3±0.2 =	0.3±0.1 <	0.5±0.1 =	0.3±0.2 =		0.2±0.0 =	0.2±0.0 =	0.1±0.0 =	0.2±0.1 =	0.2±0.1 =		
14:0/18:2	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.2±0.1 =	0.1±0.1 =		0.1±0.0 >	0.1±0.0 <	0.2±0.0 >	0.1±0.0 =	0.1±0.0 =		
14:0/18:1	0.2±0.1 =	0.2±0.1 =	0.2±0.2 =	0.2±0.1 =	0.2±0.0 =		0.2±0.1 =	0.2±0.2 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =		
16:0/16:1	0.1±0.1 =	+ =	+ =	0.1±0.1 =	0.1±0.1 =		0.1±0.1 =	0.1±0.0 <	0.3±0.1 =	0.1±0.1 =	0.2±0.2 =		
17:0/16:1	+ =	0.1±0.1 =	0.1±0.0 <	0.1±0.0 =	0.1±0.1 =		+ <	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 <		
18:3/16:1	15.4±1.2 =	15.9±1.3 <	19.5±1.8 >	13.3±1.3 =	14.6±4.0 =		11.4±0.8 =	13.0±1.4 =	14.5±0.8 >	10.8±2.5 <	16.5±2.8 <		
18:3/16:0	13.8±1.4 <	16.9±0.7 <	22.1±1.0 =	24.0±2.1 <	30.8±1.8 <		12.2±1.7 <	16.0±2.3 =	18.1±2.7 <	27.1±0.4 =	28.8±3.2 <		
18:1/16:1	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.2±0.1 =	0.3±0.1 <		0.2±0.2 =	0.2±0.1 <	0.9±0.4 >	0.4±0.1 =	0.4±0.0 =		
16:0/18:2, 18:2/16:0	8.6±1.6 >	5.2±0.4 =	5.4±0.4 <	6.5±0.8 =	7.1±1.0 >		8.6±1.3 =	7.5±1.0 =	6.0±1.1 <	10.9±1.4 <	14.3±2.4 <		
16:0/18:1	9.5±0.6 <	11.6±1.1 =	10.3±0.8 >	8.7±1.0 =	7.6±0.7 >		12.3±1.0 <	18.0±1.2 <	26.6±1.3 >	13.8±0.4 =	14.0±0.8 <		
17:0/18:3	+ =	+ <	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =		+ =	+ <	0.2±0.0 >	+ =	0.1±0.0 =		
17:0/18:1	0.2±0.1 =	0.4±0.2 >	0.1±0.1 =	0.3±0.2 =	0.3±0.3 =		0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	0.2±0.1 =	0.1±0.1 =		
18:4/18:4	0.1±0.1 =	0.1±0.0 >	+ =	0.1±0.0 =	0.1±0.0 =		0.5±0.2 >	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 >		
18:3/18:4	10.0±1.4 >	5.5±0.2 >	2.6±0.4 >	1.8±0.4 >	0.8±0.4 >		19.7±1.8 >	10.6±1.2 >	4.3±0.2 >	2.3±0.4 >	0.9±0.5 >		
18:3/18:3	23.8±1.0 =	22.8±0.8 >	19.1±1.0 =	19.1±1.7 >	10.6±1.2 >		21.4±1.2 >	18.8±1.7 >	14.4±0.4 =	13.6±1.5 >	7.1±0.7 >		
16:1/20:5	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	+ =	+ =		0.1±0.0 =	0.1±0.0 =	0.2±0.1 =	0.1±0.1 =	0.2±0.2 =		
18:3/18:2	7.7±1.1 =	8.1±0.3 >	6.5±0.2 =	7.5±1.7 =	6.2±1.6 =		6.5±0.3 =	6.3±0.9 >	3.7±0.2 <	7.4±1.5 =	6.3±0.5 =		
18:2/18:3	0.2±0.3 =	0.1±0.1 =	+ <	0.5±0.1 >	0.1±0.1 =		+ <	0.3±0.1 >	0.1±0.0 <	0.6±0.1 =	1.0±0.8 =		
20:5/16:0	0.1±0.1 =	+ =	+ =	0.1±0.0 =	0.1±0.0 =		+ =	+ <	0.1±0.1 >	+ =	0.1±0.0 =		
16:0/20:5	0.4±0.1 =	0.3±0.2 =	0.4±0.1 >	0.1±0.0 =	0.1±0.1 >		0.3±0.1 =	0.4±0.2 =	0.2±0.0 =	0.3±0.3 =	+ >		
18:2/18:2	0.9±0.4 =	0.8±0.3 >	0.3±0.1 <	0.8±0.1 =	0.6±0.3 =		1.5±0.2 =	1.5±0.3 >	0.6±0.1 <	3.0±1.2 =	2.7±0.7 <		
18:3/18:1	3.3±0.5 <	5.1±0.9 =	5.5±0.5 <	7.6±0.7 >	5.6±0.2 <		0.4±0.1 <	1.3±0.2 >	1.0±0.0 =	1.6±0.5 =	0.9±0.4 =		
18:1/18:3	+ =	- =	+ =	0.3±0.2 =	0.2±0.2 =		+ =	0.1±0.0 =	0.1±0.0 =	+ <	0.2±0.0 <		
20:4/16:0	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =		0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	+ =	0.1±0.1 =		
16:0/20:4	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	+ =	0.1±0.1 =		0.1±0.1 =	0.1±0.1 <	0.3±0.0 >	0.1±0.0 =	0.1±0.0 =		
18:2/18:1	1.7±0.2 =	2.1±0.4 =	2.0±0.3 <	2.9±0.3 <	8.2±2.0 <		0.5±0.0 =	0.9±0.4 =	0.7±0.1 <	1.2±0.2 =	0.6±0.5 =		
18:1/18:2	0.2±0.1 =	0.3±0.2 =	0.2±0.2 =	0.2±0.2 =	0.2±0.2 =		0.2±0.2 =	0.3±0.1 =	0.3±0.0 =	0.3±0.2 =	0.2±0.1 =		
20:3/16:0	0.1±0.1 =	+ =	+ =	0.1±0.1 =	0.1±0.1 =		+ =	0.1±0.0 <	0.1±0.0 =	0.1±0.1 =	- >		
18:3/18:0	0.1±0.1 =	+ =	0.1±0.0 =	+ =	0.1±0.1 =		+ =	0.1±0.0 #	- #	- #	+ =		
18:0/18:3	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 >	- >		+ >	- #	- #	+ >	- >		
18:1/18:1	1.3±0.2 <	1.9±0.4 <	2.9±0.2 =	3.0±0.6 <	4.0±0.1 <		1.1±0.1 =	1.8±0.8 <	3.9±0.7 =	4.0±0.8 =	4.0±1.2 <		
18:0/18:2	0.2±0.0 =	0.2±0.1 =	0.2±0.1 >	0.1±0.0 =	+ >		0.2±0.1 =	0.2±0.2 =	0.4±0.1 =	0.2±0.2 =	0.1±0.0 =		
18:0/18:1	0.7±0.1 =	0.9±0.3 =	1.0±0.2 =	0.7±0.4 =	0.4±0.1 =		0.2±0.1 =	0.2±0.1 <	0.5±0.2 >	0.3±0.1 =	0.3±0.2 =		
18:4/20:5	+ =	+ =	+ <	0.1±0.0 >	+ =		0.1±0.0 =	+ =	0.1±0.0 =	0.1±0.0 >	- >		
20:5/18:3	0.6±0.3 >	0.2±0.1 =	0.3±0.2 =	0.3±0.2 =	0.2±0.1 >		1.0±0.1 >	0.5±0.3 =	0.3±0.1 =	0.2±0.2 =	0.1±0.1 >		
20:5/18:2	0.1±0.0 =	0.1±0.1 =	+ =	0.1±0.0 =	0.1±0.0 =		0.2±0.0 =	0.2±0.1 =	0.2±0.1 =	0.1±0.1 =	0.1±0.0 >		
20:5/18:2	+ =	+ =	+ =	0.1±0.1 =	0.1±0.1 =		0.1±0.1 =	0.2±0.1 #	- #	+ =	0.1±0.0 =		
18:2/20:5	0.1±0.0 =	+ =	0.1±0.0 =	+ <	0.1±0.0 =		+ =	0.1±0.0 =	0.1±0.0 >	- <	0.1±0.0 =		
18:1/20:5	+ =	+ =	+ =	0.1±0.1 =	0.1±0.1 =		+ =	+ <	0.1±0.0 =	+ =	0.1±0.0 =		
20:5/20:5	+ =	+ =	+ >	- <	0.1±0.0 =		0.1±0.0 =	+ <	0.3±0.0 >	0.1±0.0 =	0.2±0.0 =		
20:4/20:5	+ =	+ =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =		0.1±0.1 =	0.2±0.2 =	0.2±0.0 >	+ =	0.1±0.0 =		

PE	<i>Strebionema corymbiferum</i>						#	<i>Strebionema</i> sp.					
	5 °C	10 °C	15 °C	20 °C	25 °C	T		5 °C	10 °C	15 °C	20 °C	25 °C	T
16:1/16:1	0.1±0.1 =	+ =	0.1±0.0 <	0.2±0.1 =	0.1±0.1 =		0.1±0.0 <	0.2±0.1 =	0.3±0.2 =	0.3±0.1 >	0.1±0.1 =		
16:0/16:1	0.1±0.1 =	+ =	0.1±0.1 =	+ <	0.1±0.1 =		0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.2±0.2 =		
14:0/20:5	1.3±0.6 =	1.7±0.6 =	2.0±0.4 =	2.5±0.4 <	3.5±0.1 <		0.6±0.4 =	0.4±0.2 =	0.5±0.2 =	0.5±0.1 =	0.4±0.2 =		
14:0/20:4	0.8±0.3 =	1.5±0.8 <	3.9±0.3 =	4.5±0.6 <	6.6±0.7 <		0.4±0.2 =	0.2±0.1 <	0.4±0.1 =	0.9±0.4 =	1.5±0.5 <		
18:1/16:1	0.2±0.2 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =		0.5±0.2 =	0.8±0.2 =	0.7±0.1 =	0.9±0.5 =	0.9±0.0 =		
16:0/18:1	+ =	0.1±0.0 =	0.1±0.0 =	0.2±0.2 =	0.2±0.1 =		0.1±0.0 <	0.4±0.1 =	0.4±0.2 =	0.4±0.2 =	0.7±0.1 <		
18:0/16:0	+ =	+ =	+ =	+ =	+ =		+ =	0.1±0.1 =	0.1±0.1 =	+ =	0.2±0.3 =		
20:5/15:0	+ =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =		+ =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.2±0.3 =		
20:4/15:0	+ =	+ =	+ =	+ =	0.1±0.0 =		+ =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.2±0.2 =		
18:3/18:4	+ =	+ =	+ =	0.1±0.1 =	0.1±0.1 =		+ =	+ =	+ =	0.1±0.0 =	0.1±0.1 =		
18:4/18:3	+ =	+ =	+ =	0.1±0.0 =	0.1±0.1 =		+ =	+ =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =		
16:0/20:5	4.1±0.6 =	3.8±1.0 =	4.7±0.5 =	3.8±0.8 =	4.5±0.6 =		2.5±0.5 =	2.0±0.5 <	4.3±0.1 >	1.6±0.9 =	0.6±0.5 >		
18:2/18:2	0.3±0.4 =	0.1±0.1 =	0.1±0.0 =	+ =	+ >		0.1±0.0 <	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 <		
16:0/20:4	2.9±0.5 <	4.2±0.4 =	4.9±0.5 <	6.2±1.0 <	8.4±1.2 <		2.3±0.6 <	3.8±0.9 <	6.5±1.1 <	10.0±1.2 <	12.8±0.8 <		
18:2/18:1	0.2±0.1 =	0.4±0.1 =	0.1±0.1 =	0.1±0.0 >	+ >		0.2±0.2 =	0.2±0.2 =	0.4±0.3 =	0.2±0.1 =	0.6±0.7 =		
18:1/18:1	0.2±0.2 <	0.8±0.4 =	0.8±0.2 =	0.8±0.2 =	0.8±0.1 <		0.3±0.1 <	1.0±0.2 =	1.0±0.4 =	0.6±0.2 =	0.8±0.2 <		
20:5/18:4	0.2±0.1 =	0.2±0.1 =	0.3±0.1 =	0.7±0.3 =	0.7±0.3 =		0.2±0.1 =	0.1±0.0 =	0.1±0.1 =	0.2±0.1 =	0.5±0.3 =		
20:5/18:3	0.7±0.4 =	0.4±0.4 =	0.1±0.1 =	0.3±0.2 =	0.6±0.3 =		0.6±0.3 =	0.4±0.4 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 >		
18:3/20:5	0.8±0.5 =	0.6±0.5 =	0.3±0.1 =	0.4±0.1 <	0.8±0.3 =		0.2±0.1 =	0.2±0.0 >	0.1±0.0 =	0.2±0.2 =	0.2±0.1 =		
18:3/20:4	1.7±0.9 =	1.0±0.2 >	0.6±0.1 <	1.1±0.3 =	1.3±0.6 =		0.5±0.3 =	0.6±0.1 >	0.3±0.2 =	0.4±0.2 =	0.8±0.4 =		
18:2/20:5	0.2±0.2 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =		0.1±0.0 =	0.2±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =		
18:2/20:4	0.5±0.3 =	0.4±0.3 =	0.2±0.3 =	0.3±0.1 <	0.7±0.3 =		0.3±0.3 =	0.2±0.1 =	0.2±0.1 =	0.2±0.1 =	0.3±0.2 =		
18:1/20:5	0.8±0.1 >	0.5±0.1 >	0.3±0.1 <	0.5±0.1 =	0.5±0.1 >		0.4±0.2 =	0.5±0.2 =	0.2±0.1 =	0.5±0.5 =	0.8±0.3 =		
18:1/20:5	0.2±0.2 =	0.3±0.0 <	0.4±0.0 =	0.4±0.1 =	0.3±0.1 =		0.3±0.2 =	0.3±0.2 =	0.2±0.1 =	0.2±0.2 =	0.5±0.4 =		
18:1/20:4	0.4±0.2 =	0.5±0.3 =	0.5±0.1 =	0.5±0.2 <	1.8±0.2 <		0.2±0.0 =	0.4±0.2 >	0.2±0.1 <	0.9±0.2 =	1.2±0.8 =		
18:0/20:5	1.1±0.5 =	1.0±0.8 =	1.3±1.0 =	0.9±0.2 =	0.8±0.3 =		0.5±0.2 =	0.9±0.4 =	1.6±0.5 >	0.8±0.1 =	0.5±0.2 =		
18:0/20:4	1.2±0.1 <	2.3±0.5 =	2.7±0.4 =	2.7±0.8 =	2.5±0.3 <		1.4±0.1 <	3.0±0.9 <	4.4±0.5 <	6.0±0.7 =	4.1±1.6 <		
20:5/20:5	12.9±1.5 >	9.5±1.0 >	7.6±0.9 >	3.5±1.0 =	3.1±0.1 >		20.4±2.2 >	12.1±0.8 >	7.7±0.7 >	1.4±0.2 =	1.8±1.0 >		
20:4/20:5	36.7±2.1 >	29.7±1.0 >	26.0±1.6 >	20.0±1.6 =	17.9±1.7 >		42.5±1.8 >	37.0±1.3 >	28.6±0.3 >	24.1±1.7 >	17.2±0.6 >		
20:5/20:3	0.3±0.2 =	0.3±0.2 =	0.2±0.1 =	0.1±0.0 =	0.1±0.1 >		0.8±0.3 >	0.2±0.1 =	0.1±0.0 =	0.1±0.1 =	0.2±0.1 >		
20:3/20:5	0.2±0.0 <	0.4±0.0 >	0.2±0.0 =	0.2±0.1 =	0.1±0.1 =		0.4±0.1 =	0.2±0.1 =	0.2±0.0 =	0.1±0.1 <	0.6±0.1 =		
20:4/20:4	26.4±1.6 <	31.2±1.7 =	30.3±1.7 <	35.4±2.4 =	32.6±1.3 <		22.3±3.0 <	30.9±1.0 <	35.0±1.1 <	40.7±2.8 =	43.3±2.5 <		
20:3/20:4	0.2±0.2 =	0.1±0.0 =	0.2±0.0 =	0.1±0.0 =	0.1±0.1 >		0.4±0.2 >	0.2±0.1 =	0.2±0.3 =	0.2±0.3 =	0.3±0.4 =		
20:4/20:2	0.1±0.0 =	+ =	+ =	0.1±0.0 =	+ =		0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =		
20:1/20:5	0.7±0.2 =	0.7±0.1 =	0.6±0.0 =	0.6±0.3 >	0.3±0.0 >		0.1±0.0 =	0.1±0.0 >	+ =	0.1±0.0 =	+ >		
20:1/20:4,	2.4±0.3 <	3.3±0.3 <	4.0±0.3 =	3.9±0.4 >	2.7±0.1 =		0.3±0.1 <	0.6±0.1 <	1.4±0.3 =	1.0±0.3 =	0.8±0.5 =		
20:0/20:5	1.5±0.6 <	2.8±0.1 <	3.8±0.6 <	5.2±0.2 >	3.7±0.1 <		0.3±0.1 <	1.2±0.4 <	2.1±0.5 <	3.9±0.1 =	3.6±0.9 <		
20:4/22:1	0.1±0.0 >	+ =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =		+ =	+ <	0.2±0.1 =	0.3±0.4 =	0.2±0.2 =		
22:0/20:5	0.3±0.1 <	0.8±0.3 <	1.5±0.2 =	1.4±0.5 =	0.9±0.6 =		0.1±0.0 =	0.2±0.1 =	0.3±0.2 =	0.3±0.3 =	0.5±0.0 <		
22:0/20:4	0.2±0.1 <	1.0±0.2 <	1.7±0.1 =	2.5±0.7 <	3.3±0.1 <		0.1±0.0 <	0.4±0.1 <	0.8±0.0 <	1.6±0.4 =	2.2±0.4 <		
24:0/20:5	+ =	+ =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =		0.3±0.2 =	0.5±0.1 =	0.5±0.4 =	0.2±0.1 =	0.2±0.2 =		
24:0/20:4	+ =	+ =	0.1±0.1 =	0.1±0.1 =	0.2±0.1 =		0.1±0.1 <	0.4±0.2 =	0.4±0.4 =	0.5±0.6 =	1.0±0.3 <		

16:0/22:1	+ =	+ =	+ =	+ =	+ =	+	=	+ =	+ =	+ =	+ =
18:1/20:0	+ =	+ =	+ =	+ =	+ =	+	=	+ =	+ >	- <	+ =
20:4/19:2	+ =	+ =	+ =	+ =	+ =	+	<	+ =	0.1±0.0 =	0.1±0.0 <	0.1±0.0 <
20:4/19:1	+ =	+ =	+ =	+ =	+ =	+	<	+ =	0.1±0.0 =	+ =	+ =
20:5/20:5	11.4±0.9 >	8.8±0.6 =	8.1±0.7 >	4.2±1.0 =	4.4±1.4 >	16.0±1.6	>	11.3±0.3 >	8.4±0.5 >	4.5±0.2 >	2.6±0.5 >
20:5/20:4	0.1±0.1 =	+ =	+ <	0.1±0.0 >	+ >	0.8±0.3	>	+ =	0.2±0.3 =	0.3±0.2 =	0.1±0.1 >
20:4/20:5	14.0±0.4 =	13.4±1.5 =	13.9±0.9 >	10.9±0.6 >	7.9±0.5 >	10.8±0.5	<	13.9±1.4 =	15.7±1.7 >	11.7±0.9 >	9.8±0.1 >
20:5/20:3	0.2±0.1 =	0.3±0.2 =	0.1±0.0 =	0.4±0.2 =	0.1±0.1 =	0.1±0.1	=	0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	0.2±0.1 <
20:3/20:5	0.2±0.1 =	0.3±0.0 =	0.2±0.1 <	0.9±0.1 >	0.3±0.2 =	0.5±0.3	=	0.3±0.2 =	0.5±0.2 =	0.7±0.4 =	0.4±0.2 =
20:4/20:4	3.9±0.4 <	4.5±0.0 <	5.2±0.1 =	6.0±1.1 =	4.2±1.1 =	2.5±0.4	<	3.6±0.3 <	6.0±0.4 <	7.8±1.1 =	9.6±1.7 <
20:4/20:3	0.7±0.1 <	0.9±0.1 =	1.0±0.1 =	1.4±0.4 =	1.0±0.1 =	0.4±0.1	<	0.7±0.0 =	0.7±0.1 <	1.2±0.2 =	1.1±0.2 <
20:4/20:2	+ =	+ =	+ =	+ =	+ =	+	=	0.1±0.0 =	0.1±0.0 =	+ =	+ =
20:4/20:2	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	+	=	0.1±0.0 =	+ =	0.1±0.0 =	0.1±0.0 <
20:5/20:1	+ =	+ =	+ =	+ =	+ =	+	=	+ =	+ =	+ =	+ =
20:4/20:1	+ =	+ =	+ =	+ =	+ =	+	=	+ >	- <	+ =	+ =
20:1/20:4	+ =	+ =	+ =	+ =	+ =	+	=	+ >	- =	+ =	+ =
20:4/20:1	+ =	+ =	0.1±0.1 =	+ <	0.1±0.0 <	+	=	+ =	+ =	+ =	+ =
20:0/20:4	+ =	+ =	+ =	+ =	+ =	+	=	+ =	+ =	+ <	+ <
20:5/22:6	0.1±0.0 =	+ =	+ =	+ =	+ >	+	=	0.1±0.0 =	0.1±0.1 =	+ =	+ =
20:4/22:4	+ =	+ =	+ =	+ =	+ =	+	=	+ =	+ =	+ =	+ =

PI	<i>Strebionema corymbiferum</i>							<i>Strebionema</i> sp.						
	5 °C	10 °C	15 °C	20 °C	25 °C	T	#	5 °C	10 °C	15 °C	20 °C	25 °C	T	
14:0/18:1, 16:0/16:1	2.9±1.1 =	4.4±1.7 =	5.2±0.6 =	4.9±1.0 =	6.4±1.2 <		1.7±0.3 <	4.6±1.0 =	3.6±1.2 =	4.6±1.4 =	3.6±2.6 =			
16:0/18:4	0.8±0.7 =	1.2±0.8 =	1.4±0.9 =	0.7±0.4 =	0.7±0.1 =		0.3±0.1 =	0.9±1.1 =	1.3±0.0 >	- <	0.4±0.0 =			
16:0/18:3	8.3±1.2 =	5.5±2.9 =	6.1±1.7 =	4.4±3.0 =	5.1±0.9 =		6.9±1.4 =	5.0±0.9 =	4.4±2.3 =	2.6±1.0 >	0.8±0.3 >			
16:0/18:2	13.3±0.1 >	9.6±1.4 =	9.4±0.8 =	8.5±1.8 =	8.6±1.9 >		14.6±2.6 =	11.9±2.2 =	12.2±2.7 <	16.3±0.9 =	14.9±3.0 =			
16:0/18:1	69.7±1.5 <	73.7±2.8 >	68.1±3.2 =	69.5±4.1 =	67.2±1.7 =		73.5±3.3 =	75.0±1.3 =	77.3±4.0 =	74.4±1.4 =	77.2±2.2 =			
16:0/18:0	1.0±0.2 =	1.6±0.5 <	4.5±0.8 =	5.8±1.6 =	6.5±1.9 <		0.3±0.1 =	0.8±0.8 =	0.4±0.4 =	0.5±0.3 =	0.5±0.2 =			
16:0/20:5	1.4±0.7 =	0.7±0.3 <	1.3±0.4 =	0.8±0.5 =	1.0±0.5 =		1.6±0.9 =	0.8±0.3 =	0.6±0.3 =	0.8±0.3 =	0.6±0.1 =			
18:3/18:0	0.2±0.1 =	0.3±0.2 =	0.3±0.2 =	0.6±0.2 >	0.3±0.1 =		0.4±0.2 =	0.4±0.2 =	0.7±0.1 =	0.4±0.1 =	0.4±0.3 =			
18:0/18:1	2.4±0.7 =	3.0±1.0 =	3.7±0.6 =	4.8±1.8 =	4.3±1.2 =		0.6±0.2 =	1.3±1.4 =	0.7±0.5 =	0.6±0.3 =	2.0±1.7 =			
PHEG	<i>Strebionema corymbiferum</i>							<i>Strebionema</i> sp.						
	5 °C	10 °C	15 °C	20 °C	25 °C	T	#	5 °C	10 °C	15 °C	20 °C	25 °C	T	
20:5/20:5	0.4±0.3 =	0.3±0.2 =	0.4±0.1 >	0.2±0.0 =	0.4±0.3 =		2.1±0.9 =	1.1±0.7 =	0.3±0.1 =	0.4±0.3 =	0.2±0.2 >			
20:5/20:4	29.0±3.5 =	27.1±1.2 =	28.9±1.8 >	18.5±1.1 =	18.9±3.1 >		34.5±3.0 >	25.6±3.4 >	19.1±1.9 =	18.9±1.3 >	12.8±1.3 >			
20:4/20:4	70.5±3.7 =	72.6±1.4 =	70.7±1.7 <	81.3±1.1 =	80.7±2.9 <		63.4±3.3 <	73.3±3.8 <	80.5±1.7 =	80.7±1.0 <	87.0±1.3 <			
DGTS	<i>Strebionema corymbiferum</i>							<i>Strebionema</i> sp.						
	5 °C	10 °C	15 °C	20 °C	25 °C	T	#	5 °C	10 °C	15 °C	20 °C	25 °C	T	
14:0/14:0	0.1±0.1 =	0.1±0.1 =	0.1±0.0 <	0.1±0.0 >	0.1±0.0 >		0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =			
14:0/16:1	0.9±0.6 =	0.8±0.3 =	0.6±0.4 =	0.8±0.4 >	0.4±0.0 >		0.1±0.1 =	0.2±0.0 <	0.4±0.2 >	0.2±0.0 =	0.1±0.0 =			
15:0/15:0	3.4±0.5 =	3.9±0.2 =	2.8±1.2 =	2.0±2.5 =	0.7±0.3 =		0.1±0.1 =	0.1±0.0 <	0.6±0.2 =	0.7±0.2 =	1.1±1.1 =			
14:0/16:0	0.5±0.2 >	+ =	0.1±0.1 =	0.1±0.1 =	0.2±0.2 >		0.2±0.1 =	0.3±0.3 =	0.2±0.1 =	0.4±0.3 =	0.7±0.2 <			
15:0/16:0	1.3±0.5 >	0.4±0.2 =	0.4±0.2 =	0.6±0.7 =	0.1±0.0 >		+ =	0.1±0.1 =	0.3±0.2 <	1.2±0.1 =	1.5±1.2 <			
14:0/18:3	0.2±0.0 >	+ =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =		0.1±0.0 =	0.1±0.1 =	+ =	0.1±0.1 =	0.1±0.1 =			
16:1/16:1	1.4±0.2 >	1.0±0.1 >	0.5±0.1 =	0.3±0.0 >	0.2±0.0 >		0.4±0.1 =	0.3±0.1 =	0.4±0.0 =	0.2±0.0 =	0.1±0.0 >			
14:0/18:1	1.7±0.3 =	1.9±0.3 =	1.4±0.3 <	2.5±0.1 >	1.5±0.2 =		2.2±0.4 =	2.9±0.4 =	2.6±0.5 =	3.1±0.2 >	2.1±0.1 =			
16:1/16:0	1.7±0.7 =	1.2±0.3 >	0.7±0.2 =	0.8±0.1 =	0.6±0.2 >		4.0±0.8 >	1.8±0.5 >	0.5±0.3 =	0.6±0.2 =	0.5±0.4 >			
15:0/17:0	0.4±0.2 =	0.2±0.1 =	0.2±0.0 =	0.3±0.2 =	0.2±0.1 =		0.1±0.0 =	0.1±0.1 =	0.1±0.0 >	+ =	+ >			
16:0/16:0	0.5±0.1 >	0.3±0.1 >	0.1±0.1 <	0.7±0.2 <	1.4±0.2 <		0.7±0.4 =	0.8±0.2 >	0.4±0.0 <	0.7±0.1 <	1.7±0.2 <			
15:1/18:1	0.1±0.1 =	+ =	+ =	+ =	+ =		0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	+ =	+ =			
17:1/16:1	0.1±0.0 =	+ =	+ =	+ =	+ >		+ =	0.1±0.1 =	+ =	0.1±0.0 =	+ =			
15:0/18:1	1.3±0.3 >	0.4±0.2 =	0.4±0.4 =	0.2±0.1 >	0.1±0.0 >		0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =			
17:1/16:0	0.3±0.4 =	0.3±0.1 >	0.1±0.0 <	0.2±0.1 >	0.1±0.0 >		0.2±0.2 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =			
16:1/18:4	0.3±0.3 =	+ >	+ <	+ =	+ >		0.1±0.1 =	0.1±0.1 =	+ =	+ =	+ >			
18:3/16:1	0.1±0.1 =	0.1±0.0 =	+ <	+ =	+ >		0.1±0.1 =	0.1±0.0 =	+ =	+ =	+ >			
16:2/18:2	0.1±0.1 =	+ =	+ =	+ =	+ =		+ =	0.1±0.1 =	+ =	+ =	+ =			
18:4/16:0	0.1±0.1 =	+ =	+ =	+ =	0.1±0.0 >		0.1±0.0 =	0.1±0.1 =	+ =	+ =	0.1±0.1 =			
16:1/18:2	0.3±0.4 =	0.2±0.1 =	+ =	0.1±0.0 =	0.1±0.0 >		0.2±0.2 =	0.2±0.1 =	0.1±0.0 >	+ =	+ =			
18:3/16:0	0.3±0.2 =	+ =	+ =	+ =	+ >		0.1±0.1 =	+ =	+ =	+ =	+ =			
18:3/16:0	0.1±0.0 =	0.1±0.1 >	+ =	+ =	+ >		0.1±0.0 =	0.1±0.1 =	+ =	+ =	0.1±0.1 =			
16:1/18:1	1.8±0.6 =	1.7±0.3 <	2.2±0.2 =	2.1±0.4 >	1.5±0.2 =		0.9±0.2 =	1.0±0.1 =	0.8±0.2 >	0.5±0.1 <	0.7±0.0 =			
18:2/16:0	2.2±0.8 =	1.4±0.2 >	1.0±0.2 <	1.4±0.2 =	1.4±0.4 >		2.3±0.5 <	3.2±0.4 =	2.7±0.3 <	3.2±0.1 =	2.8±0.3 =			
16:0/18:1	3.6±1.1 =	3.1±0.4 <	4.0±0.4 <	6.4±0.6 <	8.6±1.5 <		5.2±0.0 =	5.1±0.3 >	4.3±0.4 =	5.0±0.4 <	7.7±1.0 <			
18:0/16:0	0.2±0.0 =	0.1±0.0 =	0.1±0.0 <	0.5±0.3 =	0.8±0.2 <		0.3±0.1 =	0.2±0.0 =	0.1±0.0 =	0.1±0.1 =	0.4±0.2 =			
17:1/18:1	0.4±0.2 >	0.1±0.1 =	0.1±0.1 =	0.2±0.1 >	0.1±0.0 >		+ =	0.1±0.0 =	+ <	0.1±0.0 =	0.1±0.0 <			
17:0/18:1	0.3±0.0 =	0.1±0.1 =	0.2±0.2 =	0.3±0.2 <	0.5±0.0 <		0.3±0.2 =	0.1±0.1 <	0.4±0.0 >	0.1±0.0 <	0.2±0.1 =			
18:3/18:3	0.1±0.0 =	0.1±0.1 =	+ <	+ =	+ >		+ =	+ =	+ >	+ =	+ =			
18:2/18:4	0.2±0.1 =	0.2±0.1 >	+ =	0.1±0.1 =	0.1±0.0 >		0.1±0.1 =	0.3±0.2 >	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =			
16:1/20:5	0.1±0.1 =	+ =	+ =	+ =	+ >		0.1±0.1 =	0.1±0.1 >	+ =	+ =	+ <			
18:2/18:3	0.1±0.0 >	+ >	+ =	+ =	+ >		0.1±0.0 >	+ =	+ =	+ >	+ >			
18:4/18:1	+ =	+ =	0.1±0.0 >	+ =	0.1±0.0 =		0.1±0.1 =	+ =	+ =	+ =	+ =			
18:2/18:2	1.3±0.3 >	0.1±0.0 =	0.1±0.1 =	+ =	0.1±0.0 >		0.2±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	+ =			
18:1/18:2	25.5±3.0 =	21.8±1.0 >	15.7±2.4 >	9.2±0.2 =	8.6±0.8 >		18.5±0.9 <	21.0±0.4 >	12.7±0.5 >	9.4±0.6 >	4.7±1.0 >			
18:1/18:1	36.1±0.9 <	54.5±2.7 <	64.2±3.0 =	59.9±2.0 =	55.7±4.1 <		54.0±2.4 =	55.0±1.1 <	68.7±2.0 =	66.4±1.0 =	63.9±3.9 <			
16:0/20:1, 18:1/18:0	9.3±1.3 >	3.8±1.1 >	2.0±0.4 <	3.6±0.1 <	11.0±4.0 =		7.1±1.1 >	4.8±1.0 >	2.6±0.4 <	5.5±0.2 <	8.8±0.8 <			
18:0/18:0	0.1±0.1 =	0.1±0.1 =	+ =	+ <	0.2±0.1 =		+ <	0.1±0.0 =	0.1±0.1 =	+ =	0.1±0.0 =			
18:1/19:1	0.6±0.2 >	0.3±0.1 <	1.1±0.2 <	5.1±0.3 >	3.6±0.7 <		0.2±0.0 =	0.4±0.3 =	0.7±0.1 =	0.8±0.2 =	0.9±0.4 <			
19:1/18:1	0.4±0.2 =	0.3±0.1 <	0.9±0.2 =	1.1±0.1 =	0.6±0.4 =		0.2±0.2 =	0.2±0.1 <	0.4±0.1 <	0.5±0.1 =	0.8±0.2 <			
18:3/20:3	0.1±0.0 =	+ =	+ =	+ =	+ >		+ =	+ >	+ =	+ =	+ =			
18:1/20:5	0.2±0.2 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =		+ <	0.1±0.0 >	+ =	0.1±0.0 <	0.1±0.0 <			
16:0/22:6	0.2±0.1 =	0.1±0.0 =	+ =	0.1±0.1 =	0.2±0.3 =		+ =	+ =	+ =	+ =	+ <			
18:1/20:1	2.3±0.2 >	0.7±0.2 =	0.4±0.1 =	0.6±0.1 =	0.7±0.2 >		1.4±0.5 >	0.6±0.2 >	0.2±0.1 =	0.3±0.1 <	0.4±0.0 >			
18:1/20:0	0.3±0.2 =	0.1±0.1 =	+ =	0.1±0.1 =	0.1±0.1 =		0.1±0.0 =	0.1±0.1 >	+ =	+ =	0.1±0.1 =			

Table S2. Molecular species composition of MGDG, DGDG, SQDG, PG, PE, PC, PI, PHEG and DGTS of *Streblonema corymbiferum* and *Streblonema* sp. cultivated at various light intensity ($\mu\text{mol photons m}^{-2} \text{s}^{-1}$). Values given as % of total lipid class, (mean \pm s.d. for triplicate). “+” – amount less than 0.1%, “-” – not detected. Between columns result of Tukey test ($p<0.05$, $n=3$) are shown (“>”, “<” – statistically significant difference, “=” – no significant changes), “T” – difference between 0 and 200 $\mu\text{mol photons m}^{-2} \text{s}^{-1}$.

MGDG	<i>Streblonema corymbiferum</i>										<i>Streblonema</i> sp.									
	0	5	12	20	50	100	150	200	T	#	0	5	12	20	50	100	150	200	T	
16:2/14:0	- <	+ =	+ =	+ =	+ =	+ >	- <	+ <	+ >	+ <	+ >	+ <	+ =	+ =	+ >	+ <	+ =	+ >	- <	+ =
14:0/16:1	+ =	+ =	+ =	+ =	+ =	+ >	+ <	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =
14:0/16:0	+ =	+ =	+ =	+ =	+ =	+ >	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =
16:3/16:4	+ =	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ <	+ =	+ =	+ =
16:3/16:3	+ =	0.1±0.0 =	0.1±0.0 >	+ =	+ <	0.1±0.0 =	0.1±0.0 =	0.1±0.0 <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ <
16:2/16:3	0.3±0.2 <	0.6±0.1 >	0.4±0.1 >	0.2±0.1 <	0.6±0.1 =	0.5±0.2 =	0.4±0.1 <	0.9±0.2 <	0.1±0.1 =	0.1±0.1 =	0.2±0.2 =	0.3±0.1 =	0.3±0.1 =	0.3±0.1 <	0.5±0.1 =	0.3±0.1 <	0.5±0.1 =	0.4±0.2 <		
14:1/18:4	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.1 =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =
18:3/14:1	0.1±0.0 =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ =	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.1 =
16:1/16:3	0.9±0.1 =	1.0±0.2 =	1.0±0.2 =	0.7±0.2 <	1.2±0.1 =	1.3±0.2 >	0.9±0.2 <	1.4±0.2 <	0.3±0.1 =	0.2±0.1 <	0.8±0.2 =	0.8±0.2 >	0.3±0.2 =	0.3±0.1 =	0.5±0.2 =	0.4±0.2 =				
14:0/18:4	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.2±0.2 =	0.3±0.2 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	
16:1/16:2	0.1±0.0 =	0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	0.1±0.1 =	0.3±0.2 =	0.1±0.1 =	0.2±0.0 <	+ =	0.1±0.1 =	0.1±0.1 =	0.3±0.2 =	0.1±0.0 <	0.3±0.1 =	0.2±0.2 =	+ =	+ =	+ =	+ =	
14:0/18:3	0.2±0.2 =	0.4±0.1 =	0.3±0.1 =	0.3±0.2 =	0.3±0.2 =	0.6±0.1 =	0.7±0.1 =	0.8±0.4 <	0.1±0.1 =	0.2±0.1 =	0.4±0.1 >	0.2±0.1 =	0.3±0.1 =	0.3±0.1 =	0.2±0.1 =	0.5±0.0 <				
16:0/16:3	+ =	+ =	+ =	+ <	+ =	+ =	+ =	+ =	+ >	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >
16:1/16:1	0.1±0.1 =	0.2±0.1 <	0.5±0.2 >	0.3±0.1 >	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 <	0.1±0.0 =	0.1±0.1 =	0.2±0.2 =	0.1±0.0 =	+ =	+ =	+ =	+ =	+ =	+ =	+ >
14:0/18:2	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.2±0.1 =	0.1±0.1 =	0.1±0.0 <	0.2±0.1 =	0.1±0.0 =	0.1±0.0 =	0.2±0.1 =	0.2±0.1 =	0.1±0.0 =	0.2±0.1 =	0.1±0.1 =	0.2±0.1 <				
14:0/18:1	0.6±0.1 <	1.1±0.1 >	0.8±0.1 =	1.0±0.2 =	1.1±0.2 =	1.4±0.2 =	1.4±0.0 =	1.6±0.3 <	0.6±0.1 =	0.9±0.2 =	1.0±0.2 =	1.0±0.2 >	0.6±0.2 <	0.8±0.1 =	0.8±0.2 <	1.4±0.2 <				
16:0/16:1	+ =	+ =	+ =	+ =	+ <	+ >	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =
16:0/16:0	+ =	+ =	+ <	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =
16:1/17:3	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ =	+ <	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =
15:0/18:4	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ <	+ >	+ =	+ =	+ =	+ =	+ >	+ =
15:0/18:4	+ =	+ =	+ =	0.1±0.1 =	+ =	+ =	+ =	+ =	+ >	+ =	+ =	0.1±0.1 =	0.1±0.0 >	+ <	+ <	+ =	+ =	+ =	0.1±0.0 =	
15:0/18:3	+ =	+ =	+ =	0.1±0.1 =	+ =	0.1±0.0 =	0.1±0.0 <	0.1±0.0 <	0.1±0.1 =	0.1±0.0 <	0.2±0.0 <	0.3±0.0 >	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.2±0.1 =				
15:0/18:2	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =
18:1/15:0	- <	+ >	- <	+ =	+ =	+ =	+ =	+ =	- <	+ >	- =	+ =	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ <
15:0/18:1	+ <	+ >	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.0 <	0.1±0.0 =	+ >	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =
15:0/18:1	+ >	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.0 =	
17:1/16:0	+ >	+ <	+ >	- <	+ =	+ =	+ =	+ =	+ >	+ =	+ =	+ >	- <	+ =	+ =	+ =	+ =	+ =	+ >	+ =
16:4/18:4	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.0 =	0.1±0.0 >	+ <	0.1±0.0 =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =
16:3/18:4	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.2±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	+ =	+ =	+ <	0.1±0.0 =	0.1±0.0 >			
18:3/16:4	+ =	+ =	+ >	+ <	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ <	+ >	+ =	+ =	+ =	+ >	+ =
18:3/16:3	0.1±0.1 =	0.1±0.1 =	0.2±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 >	0.1±0.0 =	0.2±0.1 =	0.1±0.0 <	0.2±0.1 =	0.2±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	
16:2/18:4	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	+ <	0.1±0.0 >	+ >	0.1±0.0 =	+ =	+ =	0.1±0.0 >	+ =	+ =	+ =	+ =	+ =	+ >	
16:2/18:3	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ <	+ =	+ =	+ =
18:4/16:1	0.2±0.1 =	0.2±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 >	0.1±0.0 <	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.2±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =		
16:1/18:4	0.3±0.1 =	0.2±0.1 =	0.2±0.0 =	0.2±0.1 <	0.3±0.1 >	0.2±0.1 =	0.2±0.1 =	0.2±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 >	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	
18:1/16:4	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 <	0.2±0.1 <	+ =	0.1±0.1 =	0.1±0.1 =	+ =	+ =	+ <	0.1±0.0 >	0.1±0.0 =	+ =	+ =	
20:5/14:0	0.1±0.0 =	0.1±0.0 >	+ =	+ =	+ =	+ =	+ =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
14:0/20:5	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	+ =	+ =	+ =	+ <	0.1±0.0 >	+ =	+ =	+ =	
18:5/16:0	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ <	0.1±0.0 =	0.1±0.0 <	0.1±0.0 =	0.1±0.0 >	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	+ =	+ =	+ <	0.1±0.0 >	
18:3/16:1	0.2±0.1 =	0.3±0.0 =	0.2±0.0 =	0.2±0.0 >	0.1±0.0 =	0.2±0.1 =	0.1±0.1 =	0.2±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =		

16:1/18:3	0.1±0.1 =	0.1±0.0 <	0.2±0.1 >	0.1±0.0 =	0.1±0.0 =	0.2±0.1 >	0.1±0.0 <	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.2±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	
18:1/16:3	0.1±0.0 =	+ =	0.1±0.0 =	0.1±0.1 =	+ =	+ =	+ =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	+ =	
14:0/20:4	0.1±0.1 =	0.1±0.1 >	+ =	0.1±0.0 <	0.2±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.2±0.1 =	0.3±0.0 >	0.1±0.0 <	0.2±0.1 =	0.3±0.2 =	0.1±0.1 =
16:0/18:4	0.1±0.0 >	0.1±0.0 =	0.1±0.1 =	0.2±0.0 =	0.1±0.0 =	0.1±0.0 >	0.1±0.0 =	0.2±0.1 =	0.1±0.0 =	0.1±0.1 =	0.2±0.2 =	0.4±0.2 >	0.2±0.0 =	0.2±0.1 =	0.1±0.0 =	0.1±0.1 =	
18:2/16:1	+ =	+ =	0.1±0.0 =	+ =	+ =	+ =	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
16:1/18:2	+ =	+ =	+ >	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ =	
18:1/16:2	+ =	+ =	+ =	+ =	+ =	+ =	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	
16:0/18:3	0.4±0.2 =	0.3±0.2 =	0.3±0.1 =	0.5±0.2 =	0.5±0.2 =	0.6±0.1 =	0.4±0.3 <	1.2±0.2 <	0.4±0.1 =	0.6±0.3 <	1.0±0.2 =	1.1±0.3 =	1.4±0.4 =	1.4±0.3 =	1.8±0.5 =	2.3±0.5 <	
18:0/16:3	+ =	0.1±0.2 =	+ =	+ =	+ =	+ =	+ >	+ <	+ =	+ =	0.1±0.2 =	+ =	+ =	+ =	+ =	+ >	
18:1/16:1	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
18:1/16:1	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	+ <	0.2±0.1 =	0.1±0.1 =	0.2±0.2 =	0.4±0.1 =	0.3±0.2 =	0.3±0.0 =	0.1±0.0 <
16:0/18:2	+ =	0.1±0.0 =	+ =	+ =	0.1±0.0 =	0.1±0.0 <	0.1±0.0 =	0.1±0.1 <	0.2±0.1 =	0.2±0.0 =	0.3±0.2 =	0.4±0.1 =	0.4±0.1 =	0.4±0.1 =	0.7±0.4 =	1.2±0.4 <	
16:0/18:1	0.3±0.1 =	0.3±0.1 =	0.4±0.0 <	0.4±0.1 <	0.6±0.0 <	0.8±0.2 =	0.8±0.2 =	1.1±0.2 <	1.3±0.1 <	1.6±0.2 =	1.3±0.1 =	1.4±0.2 =	1.8±0.4 =	2.0±0.3 =	2.3±0.2 <	3.9±0.3 <	
16:0/18:0	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.2 =	0.2±0.2 =	
18:3/17:3	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
18:4/17:2	+ =	+ =	+ =	+ <	+ =	+ =	+ >	+ =	+ <	+ >	+ =	+ >	+ <	+ =	+ =	+ =	
17:2/18:4	+ =	+ =	+ =	+ =	+ =	+ =	+ <	+ =	+ <	+ =	+ <	+ >	+ =	+ <	+ >	+ =	
17:2/18:3	+ <	+ >	+ =	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
17:1/18:3	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ =	+ =	+ =	+ =	+ =	
15:0/20:4	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ <	
17:0/18:3	+ >	+ =	+ >	+ <	+ =	+ =	+ >	+ >	+ <	+ >	+ =	+ =	+ =	+ =	+ =	+ <	
18:1/17:1	+ =	+ =	+ =	+ =	+ =	+ =	+ <	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ >	
17:0/18:2	+ =	+ =	+ =	+ =	+ =	+ =	+ <	+ =	+ =	+ =	+ <	+ =	+ =	+ =	+ =	+ =	
17:0/18:1	+ =	+ =	+ =	+ <	+ =	+ >	+ <	+ <	+ =	+ =	+ =	+ =	+ <	0.1±0.0 =	+ =	+ =	
20:5/16:4	0.6±0.1 =	0.6±0.0 >	0.4±0.1 >	0.3±0.1 =	0.3±0.0 =	0.4±0.1 =	0.3±0.1 <	0.7±0.2 =	0.1±0.1 =	0.1±0.0 =	+ =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.2±0.1 =	
18:4/18:4	13.1±0.3 <	13.4±0.1 =	13.6±0.1 >	12.6±0.5 =	12.8±0.2 <	13.6±0.7 =	13.3±0.1 <	15.2±1.1 <	20.4±1.0 =	19.8±1.1 <	23.6±2.4 =	20.7±2.8 >	17.6±1.1 =	18.2±1.5 =	20.1±2.1 =	20.8±1.4 =	
18:3/18:4	17.0±0.5 <	17.5±0.2 =	18.0±1.6 =	18.6±0.5 >	17.8±0.6 =	17.3±0.1 =	17.6±0.8 >	16.7±0.5 =	26.8±1.0 =	25.7±2.4 =	23.3±1.4 =	22.2±1.8 =	22.7±2.2 =	22.2±2.0 =	23.8±1.2 =	23.5±1.1 >	
18:3/18:3	6.3±0.0 =	6.2±0.3 =	6.7±0.4 <	7.4±0.1 <	8.8±0.5 =	8.5±0.3 =	8.8±0.2 =	8.6±0.2 <	5.9±0.3 =	5.8±0.4 >	4.9±0.5 =	5.5±0.5 <	10.3±0.2 =	11.0±0.8 =	10.6±0.8 <	12.7±1.0 <	
18:2/18:4	2.2±0.4 =	2.4±0.3 <	3.5±0.5 =	3.5±0.1 =	3.1±0.3 >	2.6±0.3 =	2.6±0.6 >	1.8±0.2 =	3.0±0.6 =	2.6±0.5 =	3.2±0.6 =	3.5±0.7 <	4.7±0.9 =	3.9±1.0 =	3.4±0.5 >	2.5±0.5 =	
20:5/16:1	0.8±0.1 <	1.0±0.1 <	1.1±0.1 >	0.6±0.2 >	0.3±0.1 =	0.3±0.1 =	0.3±0.1 =	0.2±0.1 >	0.3±0.1 =	0.3±0.4 =	0.5±0.1 =	0.3±0.1 =	0.2±0.1 =	0.1±0.1 =	0.1±0.1 =	+ >	
18:3/18:2	3.1±0.3 =	2.9±0.4 <	4.1±0.2 <	5.0±0.4 =	4.9±0.4 >	4.3±0.2 =	4.5±0.8 >	3.1±0.2 =	1.7±0.4 <	2.5±0.1 =	2.7±0.6 =	3.3±1.3 <	8.0±0.8 =	7.5±2.0 =	6.1±0.5 >	5.1±0.2 <	
18:2/18:3	0.1±0.1 =	0.1±0.1 =	0.3±0.3 =	0.3±0.2 =	0.3±0.1 =	0.1±0.1 <	0.3±0.0 >	0.2±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 <	0.4±0.1 >	0.1±0.0 =	+ =	0.2±0.2 =	+ >	
18:1/18:4	0.2±0.1 <	0.4±0.1 =	0.3±0.2 =	0.3±0.1 =	0.2±0.2 =	0.3±0.1 =	0.3±0.2 =	0.2±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	+ =	+ =	+ =	0.1±0.0 =	
20:5/16:0	0.3±0.1 =	0.2±0.1 =	0.3±0.2 =	0.4±0.1 =	0.4±0.2 =	0.2±0.1 <	0.3±0.0 >	0.2±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	+ =	+ =	+ =	+ >	
16:0/20:5	0.5±0.1 <	0.7±0.1 =	0.6±0.2 =	0.6±0.2 >	0.2±0.1 =	0.2±0.1 =	0.2±0.0 =	0.2±0.0 >	0.1±0.0 =	0.2±0.2 =	0.1±0.1 <	0.3±0.1 >	0.1±0.1 =	0.1±0.1 =	0.2±0.1 <	0.3±0.0 <	
18:2/18:2	0.4±0.3 =	0.3±0.2 =	0.5±0.2 <	0.7±0.1 =	0.4±0.4 =	0.4±0.1 =	0.8±0.5 >	0.1±0.1 >	0.3±0.3 =	0.3±0.0 <	0.8±0.2 =	0.7±0.4 <	2.4±0.3 =	2.0±0.5 >	1.3±0.0 >	0.7±0.3 =	
18:1/18:3	2.6±0.1 =	2.7±0.2 <	3.2±0.5 =	3.2±0.4 =	3.5±0.5 >	2.8±0.1 =	2.8±0.5 =	2.4±0.5 =	1.0±0.4 =	0.6±0.3 =	0.6±0.3 =	0.7±0.2 <	1.0±0.2 =	1.1±0.1 =	1.1±0.2 =	1.1±0.0 =	
16:0/20:4	+ =	+ =	+ =	+ =	+ =	+ <	0.1±0.1 >	+ =	0.1±0.1 =	+ =	+ =	+ =	+ =	+ =	0.1±0.0 =	+ =	
16:0/20:4	+ =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 >	+ =	+ =	+ =	+ =	0.2±0.1 >	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 >	
18:1/18:2	0.4±0.2 =	0.5±0.1 <	0.7±0.1 =	0.7±0.1 >	0.5±0.1 =	0.6±0.2 =	0.4±0.1 =	0.1±0.1 =	0.1±0.0 =	0.2±0.0 =	0.2±0.0 <	0.4±0.1 =	0.4±0.1 =	0.4±0.1 =	0.5±0.1 <		
20:3/16:0	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.0 >	+ <	+ <	+ =	+ =	+ =	+ =	0.1±0.0 =	+ =	+ =	
18:0/18:3	+ =	+ =	+ =	0.1±0.0 =	0.1±0.0 >	0.1±0.0 >	+ <	0.1±0.0 <	+ <	+ <	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 <	
18:1/18:1	+ >	+ =	+ =	+ <	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
18:1/18:1	+ =	0.1±0.0 <	0.2±0.1 <	0.3±0.1 >	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	+ =	+ =	+ =	+ =	+ >	+ <	0.1±0.0 =	0.1±0.0 =	
18:0/18:2	+ =	+ =	+ =	+ =	+ =	0.1±0.1 =	+ =	+ =	+ =	+ >	+ <	+ =	+ =	+ =	+ =	+ =	
18:0/18:1	+ <	+ <	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 <	+ =	0.1±0.1 =	0.1±0.0 >	+ <	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	

18:0/18:0	+ =	+ =	+ =	+ =	+ >	- <	+ >	- >	+ >	+ =	+ =	+ <	+ =	- =	+ >	- >			
18:4/19:2	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =			
19:2/18:4	+ =	+ =	+ =	+ =	- <	+ >	- <	+ =	+ =	+ =	+ =	+ >	- <	+ >	- <	+ =			
18:3/19:2	+ =	+ =	+ =	0.1±0.0	= 0.1±0.0	=	+ =	+ =	+ >	+ =	+ <	+ =	+ =	+ =	+ =	+ =			
19:2/18:3	+ >	+ =	+ =	+ =	+ =	+ =	+ =	- >	+ =	+ =	+ =	+ =	+ =	+ =	+ >	- >			
18:4/19:1	+ =	+ <	+ >	+ =	+ >	+ =	+ >	- =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	- >			
18:3/19:1	0.1±0.0	= 0.1±0.0	=	+ =	0.1±0.1	= 0.1±0.0	= 0.1±0.0	= 0.1±0.1	= +	+ >	+ =	+ =	+ =	+ =	+ =	+ =			
20:5/18:4	18.0±1.4	> 16.4±0.1	= 15.3±1.7	= 14.8±0.6	> 13.3±0.3	< 14.8±0.7	= 15.0±0.7	< 16.6±0.7	= 16.2±0.8	= 16.0±1.2	= 16.1±1.9	= 15.0±1.3	> 8.6±1.0	= 8.6±1.2	= 8.6±0.9	> 7.3±0.6	>		
20:5/18:3	10.8±0.9	= 10.9±0.7	> 8.5±0.5	= 8.5±0.8	= 8.5±0.7	< 9.4±0.3	= 9.2±1.5	= 10.4±0.4	= 6.3±0.3	> 5.6±0.5	= 3.9±0.9	= 4.4±0.7	< 5.4±0.4	= 5.7±0.5	= 5.6±0.2	= 5.5±0.1	>		
20:4/18:4	3.3±0.2	< 3.6±0.1	< 4.2±0.5	= 4.1±0.1	> 2.8±0.2	> 2.3±0.1	< 2.5±0.2	> 1.6±0.2	> 1.3±0.3	< 2.1±0.4	= 2.5±0.4	> 2.5±0.2	> 1.2±0.4	= 1.2±0.3	= 1.0±0.4	= 0.8±0.3	>		
20:4/18:3	0.7±0.1	> 0.4±0.1	= 0.3±0.1	= 0.3±0.2	< 0.5±0.1	= 0.6±0.1	= 0.4±0.2	= 0.4±0.3	= 0.3±0.2	= 0.3±0.1	= 0.3±0.0	= 0.3±0.1	= 0.3±0.1	= 0.4±0.2	= 0.5±0.2	= 0.5±0.1	=		
20:5/18:2	4.1±0.1	> 3.7±0.2	= 3.7±0.3	= 3.8±0.1	< 4.5±0.2	> 3.8±0.4	= 3.7±0.3	> 2.7±0.4	> 2.1±0.2	= 2.1±0.2	> 1.5±0.4	< 2.4±0.6	= 3.0±0.1	= 3.0±0.4	> 2.3±0.2	> 1.8±0.2	=		
20:3/18:3	0.4±0.1	> 0.2±0.1	< 0.4±0.0	= 0.3±0.1	= 0.4±0.1	= 0.3±0.1	= 0.4±0.2	= 0.3±0.2	= 0.1±0.0	= 0.1±0.1	< 0.2±0.1	= 0.2±0.1	< 0.5±0.2	= 0.5±0.1	= 0.5±0.1	> 0.2±0.1	<		
20:4/18:2	0.4±0.2	> 0.1±0.1	= 0.4±0.2	= 0.3±0.1	= 0.4±0.2	= 0.3±0.2	= 0.4±0.2	= 0.2±0.2	= 0.3±0.2	= 0.4±0.2	= 0.2±0.0	= 0.3±0.1	= 0.4±0.2	= 0.4±0.3	= 0.1±0.0	> 0.1±0.0	=		
20:5/18:1	2.5±0.4	= 2.7±0.5	> 1.7±0.3	= 1.5±0.1	< 2.0±0.2	< 2.5±0.4	= 2.3±0.2	= 2.1±0.2	= 0.6±0.3	= 0.3±0.2	= 0.3±0.1	= 0.2±0.1	= 0.2±0.1	= 0.3±0.1	= 0.3±0.0	= 0.3±0.1	=		
20:3/18:2	0.1±0.0	> 0.1±0.0	= 0.1±0.1	= 0.1±0.0	= 0.1±0.1	= 0.1±0.1	= 0.1±0.1	> 0.1±0.1	> +	+ =	+ <	0.1±0.0	= +	+ <	0.2±0.1	= 0.2±0.1	= 0.1±0.0	> 0.1±0.0	=
20:4/18:1	0.3±0.1	= 0.2±0.1	= 0.1±0.1	= 0.2±0.0	< 0.3±0.0	= 0.3±0.0	> 0.2±0.1	= 0.2±0.1	= 0.1±0.1	= +	+ =	+ =	+ =	0.1±0.0	= 0.1±0.0	= 0.1±0.0	= 0.1±0.0	=	
20:4/18:1	0.7±0.1	= 0.4±0.2	= 0.4±0.2	= 0.6±0.1	< 0.7±0.1	> 0.5±0.1	= 0.6±0.2	> 0.2±0.1	> 0.1±0.0	= +	+ =	+ =	+ <	+ <	0.1±0.0	= 0.1±0.0	> +	>	
20:5/18:0	+ =	0.1±0.1	= + >	+ =	+ =	+ =	+ =	+ =	0.1±0.1	= 0.1±0.1	= +	+ =	+ =	+ =	+ <	+ =	+ =	+ =	
20:3/18:1	+ =	+ <	0.1±0.0	= 0.1±0.0	= 0.1±0.1	= 0.1±0.0	= 0.1±0.0	= 0.1±0.1	< +	+ =	+ <	+ =	+ <	0.1±0.0	= +	+ =	+ =	0.1±0.0	
20:5/20:5	0.4±0.2	< 0.6±0.1	> 0.4±0.1	= 0.4±0.1	= 0.5±0.1	= 0.5±0.3	= 0.5±0.2	= 0.7±0.3	= 1.3±0.2	< 1.7±0.2	> 1.4±0.1	= 1.6±0.2	> 0.7±0.0	= 0.8±0.2	= 0.8±0.2	= 0.6±0.2	>		
20:5/20:4	0.2±0.1	= 0.1±0.0	= 0.2±0.0	> 0.1±0.1	= 0.1±0.1	< 0.2±0.1	> +	< 0.1±0.0	> 0.1±0.1	= 0.2±0.1	= 0.3±0.1	> 0.3±0.1	> 0.1±0.0	= 0.1±0.0	= 0.1±0.0	= 0.1±0.0	= 0.1±0.0		
20:4/20:5	1.9±0.2	= 1.9±0.1	= 1.7±0.4	= 1.5±0.1	< 1.5±0.1	< 1.9±0.0	= 1.7±0.3	= 1.7±0.3	= 3.2±0.2	= 3.3±0.5	= 2.8±0.3	= 3.3±0.4	> 1.9±0.2	= 1.7±0.2	= 1.7±0.1	> 1.3±0.3	>		
20:3/20:5	0.4±0.2	= 0.2±0.1	< 0.3±0.1	= 0.4±0.1	> 0.3±0.0	= 0.1±0.1	= 0.2±0.1	= 0.2±0.1	= 0.4±0.2	= 0.3±0.1	> 0.1±0.0	= 0.2±0.1	> 0.1±0.1	= 0.1±0.1	= 0.1±0.1	> 0.1±0.1	>		
20:4/20:4	2.3±0.1	= 2.5±0.2	> 2.1±0.3	= 2.0±0.2	< 2.3±0.1	> 2.1±0.2	= 2.1±0.2	> 1.5±0.2	> 1.8±0.4	= 2.3±0.3	> 1.6±0.4	= 1.8±0.3	> 1.4±0.1	= 1.3±0.4	= 1.0±0.1	> 0.6±0.2	>		
20:4/20:3	0.1±0.0	= 0.1±0.0	= +	= +	= +	= +	= +	= +	+ =	0.1±0.0	> +	< 0.1±0.0	> +	= +	+ >	+ =	+ =	+ =	
20:3/20:4	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =		

DGDG	Streblonema corymbiferum										Streblonema sp.									
	0	5	12	20	50	100	150	200	T	#	0	5	12	20	50	100	150	200	T	
14:0/16:1	0.1±0.0	= 0.1±0.1	= 0.1±0.0	= 0.1±0.1	= 0.1±0.0	= 0.1±0.0	= 0.1±0.1	= 0.1±0.0	=	0.1±0.0	= 0.1±0.1	= +	= 0.2±0.1	= 0.1±0.0	= +	= 0.1±0.0	= 0.1±0.1	= 0.1±0.1		
14:0/16:0	0.1±0.1	= +	= +	= 0.1±0.0	> +	= +	= +	= +	=	0.1±0.0	= 0.1±0.0	= 0.1±0.0	= 0.1±0.1	= 0.1±0.1	= +	= +	= +	= +	>	
16:1/16:4	0.1±0.1	= 0.1±0.0	= +	= +	= + <	0.1±0.0	= +	= +	= 0.2±0.0	>	= +	= +	= +	= +	= +	= +	= +	= +	>	
16:3/16:1	+ =	0.1±0.0	= 0.1±0.0	= +	= +	= +	= +	= +	= 0.2±0.1	>	= +	= 0.1±0.0	= +	= +	= +	= 0.1±0.0	>	= +	>	
14:0/18:4	0.3±0.2	= 0.1±0.0	< 0.3±0.1	= 0.2±0.1	> 0.1±0.0	= 0.1±0.1	= 0.1±0.1	= 0.1±0.0	= 0.1±0.0	= 0.1±0.1	= 0.1±0.1	= 0.4±0.6	= 0.1±0.1	= 0.1±0.0	= 0.1±0.1	= 0.2±0.2	= 0.1±0.1	=		
16:1/16:2	0.3±0.2	= 0.3±0.1	= 0.3±0.1	> 0.1±0.0	= 0.1±0.1	= 0.1±0.0	= 0.1±0.1	= 0.2±0.1	= 0.1±0.1	= 0.1±0.1	= 0.1±0.1	= 0.2±0.1	= 0.1±0.1	= 0.1±0.0	= 0.1±0.1	= 0.1±0.1	= 0.1±0.0	= 0.1±0.0	=	
14:0/18:3	1.7±0.4	< 2.4±0.4	= 2.6±0.4	= 2.3±0.3	> 1.9±0.2	= 1.9±0.1	= 2.0±0.6	< 2.6±0.1	< 1.8±0.4	= 2.4±0.8	< 4.7±0.8	= 4.0±0.9	> 2.3±0.6	= 2.5±0.5	= 2.5±0.4	= 2.1±0.2	=			
16:1/16:1	0.1±0.1	< 0.7±0.3	= 0.9±0.4	= 0.6±0.3	> 0.2±0.2	= 0.3±0.2	= 0.2±0.0	= 0.1±0.0	= 0.5±0.1	= 0.6±0.4	= 0.8±0.5	> 0.4±0.1	> 0.1±0.0	= 0.1±0.1	= 0.1±0.1	= 0.2±0.1	> 0.2±0.1	>		
14:0/18:2	0.7±0.2	= 0.4±0.2	= 0.3±0.2	< 0.8±0.2	> 0.2±0.1	= 0.4±0.2	= 0.5±0.2	> 0.3±0.2	= 0.4±0.2	= 0.3±0.1	< 1.5±0.2	> 1.4±0.1	> 0.5±0.2	= 0.4±0.2	= 0.5±0.1	> 0.2±0.2	=			
14:0/18:1	1.2±0.5	< 3.3±0.6	= 3.3±0.2	= 3.2±0.3	> 2.3±0.6	= 2.5±0.1	= 2.5±0.2	> 2.1±0.2	< 2.3±0.4	= 2.1±0.5	= 2.0±0.1	= 1.9±0.3	> 0.7±0.4	= 0.5±0.3	= 0.7±0.3	= 0.4±0.2	>			
16:0/16:1	1.1±0.0	> - #	- <	+ >	- #	- <	+ >	0.1±0.0	>	- <	+ =	+ =	+ =	0.2±0.2	= +	= +	= 0.2±0.3	=		
16:0/16:0	- <	+ >	+ =	+ =	+ =	+ =	+ =	+ <	0.1±0.0	= 0.1±0.0	> +	+ <	+ =	+ >	- <	+ <	+ >	+ >		
15:0/18:4	- <	+ =	+ =	+ =	+ >	+ =	+ =	+ <	- <	0.1±0.0	= 0.1±0.0	= 0.1±0.0	= +	= +	= +	= +	= +	<		
15:0/18:3	0.1±0.1	= +	= 0.1±0.0	= 0.1±0.1	= +	= +	= +	= 0.1±0.1	= 0.2±0.1	= 0.3±0.2	= 0.1±0.0	< 0.2±0.0	> 0.1±0.0	= 0.1±0.1	= 0.1±0.1	= 0.1±0.1	= 0.1±0.1	=		
15:0/18:2	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	0.1±0.0	> +	< 0.1±0.1	> +	+ >	+ =	+ =	+ =	+ =	+ >		

15:0/18:1	0.1±0.0	=	0.1±0.1	=	0.1±0.1	=	0.1±0.0	=	+ =	+ <	0.1±0.0	=	0.1±0.0	=	0.1±0.0	<	0.1±0.0	>	0.1±0.0	=	0.1±0.1	=	+ >	+ <	+ =	+ >								
16:3/18:3	0.1±0.0	=	0.1±0.1	=	0.1±0.0	>	+ =	+ =	+ =	+ <	+ >	+ =	0.1±0.0	=	0.1±0.0	=	0.1±0.1	=	+ =	+ =	+ =	+ =	0.1±0.0	=										
18:4/16:2	-	=	0.2±0.2	=	+	=	+	=	0.1±0.1	=	+ =	+ =	0.1±0.0	<	- <	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=	+ =	+ =	+ =	+ =	+ =								
16:2/18:3	0.1±0.1	=	0.1±0.1	=	0.1±0.0	=	0.1±0.1	=	+ =	+ =	+ =	+ =	0.1±0.0	<	0.1±0.0	=	0.1±0.0	<	0.1±0.1	=	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=								
18:4/16:1	0.1±0.0	<	0.2±0.1	>	0.1±0.0	>	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.1	>	+ <	0.1±0.0	=	0.1±0.0	=	0.1±0.1	=	+ =	+ =	+ >										
20:5/14:0	0.2±0.1	>	0.1±0.0	=	0.1±0.1	=	0.1±0.0	=	0.1±0.1	=	0.2±0.1	=	0.1±0.1	<	0.3±0.1	=	+ =	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=									
16:1/18:3	0.5±0.1	=	0.5±0.1	>	0.3±0.0	=	0.3±0.1	=	0.2±0.0	=	0.2±0.1	=	0.2±0.1	=	0.3±0.1	>	0.5±0.4	=	0.2±0.2	=	0.2±0.1	=	0.4±0.1	>	0.1±0.0	=								
16:0/18:4	0.4±0.2	=	0.2±0.1	=	0.3±0.1	=	0.3±0.1	=	0.2±0.1	=	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=	0.2±0.0	=	0.3±0.1	<	1.4±0.4	=	1.5±0.5	>	0.4±0.3	=	0.2±0.1	=						
16:1/18:2	0.1±0.1	=	0.1±0.1	=	0.1±0.0	=	+ =	+ =	+ =	+ =	+ =	+ =	0.4±0.0	>	0.1±0.0	=	0.1±0.0	>	+ =	+ =	0.1±0.0	=	0.1±0.1	=	0.1±0.1	>								
14:0/20:3	0.2±0.1	=	0.1±0.1	=	0.1±0.0	=	+ =	+ =	0.1±0.1	=	+ =	+ >	0.2±0.1	=	0.2±0.2	=	0.3±0.4	=	0.1±0.0	=	+ =	0.2±0.2	=	0.4±0.5	=	0.1±0.0	=							
16:0/18:3	1.4±0.2	>	1.0±0.2	<	1.8±0.3	=	1.8±0.5	>	0.8±0.3	<	1.4±0.2	=	1.3±0.2	<	2.0±0.2	<	1.2±0.3	<	4.6±0.4	<	5.6±0.1	=	5.5±0.8	=	4.8±1.0	=	5.4±0.8	=	5.9±0.5	=	5.7±0.2	<		
16:0/18:2	0.5±0.5	=	0.1±0.1	=	0.1±0.1	=	0.2±0.1	=	0.2±0.0	=	0.2±0.0	>	0.1±0.0	<	0.2±0.0	=	0.4±0.2	<	1.1±0.2	>	0.6±0.4	=	1.0±0.2	=	1.0±0.6	=	1.3±0.2	=	1.2±0.1	=	1.2±0.2	<		
16:0/18:1	0.5±0.1	=	0.6±0.2	=	0.7±0.4	=	0.9±0.3	>	0.5±0.1	=	0.7±0.2	=	0.7±0.1	<	0.9±0.0	<	3.3±0.6	>	2.2±0.6	>	1.4±0.3	=	1.7±0.5	=	1.4±0.4	=	1.5±0.4	<	1.9±0.1	=	2.2±0.5	>		
20:5/16:4	-	<	+ >	-	<	+ >	+ =	+ =	+ =	+ =	+ <	- #	- #	- <	+ =	0.1±0.0	>	+ =	+ =	+ =	+ =	+ <												
18:4/18:4	1.1±0.2	=	0.9±0.2	<	1.3±0.3	=	1.1±0.2	<	1.7±0.2	=	1.9±0.1	=	1.6±0.3	=	1.6±0.2	<	1.7±0.2	>	0.6±0.3	=	0.9±0.3	=	1.3±0.2	=	1.0±0.4	=	1.0±0.1	=	1.1±0.4	=	1.4±0.6	=		
18:3/18:4	5.8±0.7	=	4.0±1.7	=	3.2±0.8	=	2.4±1.2	=	2.7±0.4	>	1.4±0.3	<	3.1±0.6	=	3.0±0.5	>	8.0±1.8	>	5.8±0.6	>	3.2±0.2	<	4.2±0.9	>	2.5±0.8	<	3.7±0.8	>	1.7±0.2	<	4.0±0.4	>		
20:5/16:2	3.4±0.5	>	2.2±0.7	=	1.9±0.3	=	1.8±1.5	=	2.3±0.2	<	2.9±0.4	>	1.5±0.1	=	1.4±0.6	>	1.5±0.9	>	0.5±0.2	<	2.1±0.6	>	1.0±0.5	<	1.9±0.1	>	1.0±0.5	<	2.8±0.4	>	0.5±0.3	>		
16:3/20:4	0.2±0.2	=	+ >	+ =	+ =	+ =	+ =	+ =	0.1±0.1	=	0.1±0.1	=	0.4±0.3	=	0.2±0.2	=	+ =	+ =	0.1±0.1	=	0.2±0.2	=	+ =	+ =	+ =	+ >								
18:3/18:3	14.2±0.4	>	11.2±1.5	>	7.0±1.0	=	7.6±0.8	>	5.8±0.3	=	5.7±0.2	=	6.0±0.4	=	6.1±0.6	>	16.5±0.6	>	13.0±2.4	>	10.3±0.8	=	10.9±0.4	<	14.0±2.8	=	12.5±1.1	=	13.1±0.9	=	12.1±1.5	>		
20:5/16:1	1.4±0.7	<	3.7±0.7	=	4.0±0.5	>	2.6±0.6	=	2.4±0.6	>	1.4±0.6	=	1.7±0.5	>	1.0±0.3	=	0.5±0.2	<	2.1±0.5	=	1.9±0.6	=	1.7±0.3	=	1.4±0.4	=	1.0±0.6	=	0.5±0.1	=	0.4±0.3	=		
18:3/18:2	4.1±0.6	>	2.9±0.1	=	2.6±0.4	=	3.1±0.1	>	1.8±0.2	>	1.4±0.3	=	1.3±0.1	>	0.6±0.2	>	4.7±1.3	=	3.4±1.0	=	3.8±0.6	=	3.4±0.5	<	5.2±0.6	=	4.7±1.1	>	3.2±0.2	>	1.7±0.4	>		
20:4/16:1	0.1±0.0	=	0.1±0.1	<	0.2±0.0	>	0.1±0.0	=	+ =	+ =	+ =	+ =	+ =	+ =	0.2±0.1	<	0.5±0.2	>	0.1±0.1	=	0.2±0.1	=	0.1±0.1	=	0.1±0.0	=	0.1±0.1	=	0.1±0.0	>				
20:5/16:0	1.6±0.2	=	1.7±0.2	=	1.8±0.5	=	2.0±0.3	>	0.9±0.4	=	0.9±0.1	=	0.9±0.2	=	0.7±0.3	>	0.5±0.1	=	0.6±0.2	=	0.7±0.1	>	0.3±0.2	=	0.2±0.2	<	0.4±0.1	>	0.2±0.1	=	0.1±0.1	>		
18:2/18:2	0.2±0.3	=	0.2±0.1	=	0.1±0.1	<	0.3±0.0	>	0.1±0.1	=	0.1±0.1	=	0.1±0.0	=	0.1±0.0	=	0.2±0.0	=	0.3±0.1	=	0.2±0.1	=	0.1±0.1	=	0.4±0.3	=	0.2±0.1	=	0.1±0.1	=				
18:3/18:1	1.8±1.1	=	2.3±0.5	=	2.2±0.7	=	1.6±0.4	=	1.7±0.3	>	0.6±0.2	<	1.0±0.2	>	0.5±0.1	>	1.9±0.6	>	0.7±0.2	=	0.5±0.2	=	0.6±0.2	=	0.6±0.3	<	0.9±0.1	=	0.7±0.5	=	0.4±0.1	>		
20:4/16:0	- #	- #	- #	- #	- #	- #	- #	- #	- #	- #	- #	- #	0.1±0.1	=	0.2±0.2	=	0.3±0.2	>	0.1±0.1	=	0.2±0.1	=	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	+ >					
16:0/20:4	+	=	+ >	-	<	+ =	+ =	+ <	+ >	+ >	+ >	+ >	0.3±0.1	>	+ <	0.1±0.0	=	0.1±0.0	=	+ =	+ =	+ =	+ =	0.1±0.0	>	+ >	+ >							
18:2/18:1	0.1±0.0	=	0.2±0.1	=	0.3±0.1	=	0.4±0.2	>	0.1±0.1	=	+ =	0.1±0.1	=	+ =	0.2±0.1	=	0.2±0.0	>	0.1±0.0	=	0.1±0.1	=	0.1±0.0	<	0.2±0.1	>	+ =	0.1±0.0	>					
20:3/16:0	0.2±0.0	=	0.2±0.1	=	0.1±0.1	=	0.2±0.0	>	0.1±0.0	=	0.1±0.0	=	+ =	+ >	0.1±0.1	=	0.1±0.0	=	0.1±0.0	=	+ <	0.1±0.1	=	0.1±0.1	=	0.1±0.0	=	+ >						
16:0/20:3	-	<	+ <	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=	0.1±0.1	=	0.1±0.1	=	+ <	0.1±0.0	=	0.1±0.0	=	0.2±0.2	=	0.2±0.1	=	0.2±0.1	=	0.1±0.1	=	0.3±0.2	=						
18:0/18:3	0.1±0.1	=	0.1±0.0	=	0.1±0.1	=	0.1±0.0	>	+ =	+ =	+ =	+ =	0.1±0.1	=	0.4±0.4	=	0.1±0.0	=	0.2±0.1	=	0.2±0.1	=	0.3±0.1	=	0.2±0.1	<	0.4±0.3	=	0.4±0.3	=				
18:1/18:1	0.2±0.1	=	0.1±0.1	=	0.2±0.2	=	0.3±0.2	=	0.1±0.0	=	0.1±0.1	=	0.1±0.1	>	0.1±0.0	=	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	0.1±0.0	<	0.1±0.0	>						
18:0/18:2	- #	- <	+ =	0.1±0.1	>	+ <	+ =	+ =	+ =	+ <	0.1±0.0	=	0.2±0.3	=	+ =	+ =	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	0.1±0.2	=	+ =									
18:0/18:1	0.1±0.0	=	0.1±0.0	=	0.2±0.2	=	0.2±0.1	>	0.2±0.0	>	0.1±0.0	=	+ =	0.1±0.1	=	0.1±0.1	>	0.1±0.1	>	0.1±0.0	=	0.1±0.1	=	0.1±0.0	>	0.1±0.0	=	0.1±0.1	=	0.1±0.1	>			
18:2/19:3	0.1±0.1	=	0.1±0.1	=	0.1±0.0	>	+ =	+ =	+ =	+ =	0.1±0.0	=	0.5±0.3	=	0.4±0.3	=	0.2±0.1	=	0.4±0.3	=	0.2±0.2	=	0.1±0.1	=	0.1±0.0	=	0.2±0.2	=						
18:3/19:1	-	<	0.1±0.1	>	-	<	+ =	+ =	+ =	+ =	+ =	+ =	0.2±0.2	=	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=	0.1±0.0	<	0.1±0.0	>	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=				
20:5/18:4	27.3±1.3	=	29.3±1.9	=	31.4±1.9	=	33.1±1.2	<	37.1±1.2	<	39.3±0.9	=	39.8±2.8	=	42.1±0.5	<	27.9±2.5	<	34.8±3.9	=	33.7±3.0	=	33.9±1.2	=	31.5±3.7	=	30.5±2.8	=	33.0±3.4	<	37.0±1.7	<		
20:5/18:3	19.7±1.1	=	18.6±0.7	=	18.2±1.0	=	16.5±1.7	<	20.0±0.4	<	22.3±0.7	=	22.2±0.9	<	23.8±1.0	<	14.6±1.6	=	14.2±1.4	=	11.8±2.8	=	11.5±0.3	<	17.6±2.6	=	19.4±5.5	=	19.3±3.8	=	21.6±1.2	<		
20:4/18:4	3.3±0.4	<	4.6±0.6	<	5.5±0.3	=	6.4±1.2	>	5.2±0.1	=	5.0±0.5	>	4.1±0.3	=	3.3±0.9	=	3.5±0.4	=	3.7±0.5	<	6.2±0.4	=	6.8±2.1	=	4.4±2.2	=	4.5±2.1	=	4.5±0.9	>	2.4±0.6	>		
20:4/18:3	2.2±0.0	=	1.8±0.6	<	3.4±1.3	=	4.2±0.8	>	2.5±0.3	<	4.0±0.3	=	2.8±2.0	=	2.0±0.9	=	2.1±0.6	>	1.3±0.4	=	1.4±0.6	=	1.9±0.6	<	4.3±0.8	=	4.1±0.7	>	2.4±0.1	>	1.3±0.2	>		
20:5/18:2	2.2±0.3	=	2.2±0.7	=	2.9±0.5	>	1.6±0.3	<	3.4±0.3	>	1.0±0.4	<	2.9±0.4	>	1.2±0.2	>	0.8±0.2	=	1.1±0.3	=	1.3±0.4	=	1.2±0.2	>	0.7±0.3	=	0.5±0.1	<	0.9±0.2	<	1.6±0.3	<		
20:3/18:3	0.1±0.0	=	0.1±0.1	=	0.1±0.0	=	0.1±0.1	=	0.1±0.0	=	+ =	+ =	0.1±0.1	=	0.3±0.2	>	+ =	0.1±0.0	=	0.1±0.1	=	0.1±0.0	=	0.1±0.1	=	+ =	+ =	+ >						
20:4/18:2	0.2±0.1	=	0.3±0.2	=	0.4±0.1	=	0.5±0.3	=	0.4±0.1	></td																								

20:3/18:1	0.1±0.0	=	+ =	+ =	+ =	+ >	+ =	+ =	0.1±0.0	=	+ =	+ =	0.1±0.0	=	+ =	+ =	+ <	0.1±0.0	=
18:1/20:2	- <	0.1±0.1	=	+ =	+ =	+ >	+ =	+ >	- #	0.1±0.0	=	0.1±0.0	=	+ =	+ >	- <	+ =	+ =	+ >

SQDG	<i>Streblonema corymbiferum</i>										<i>Streblonema</i> sp.																							
	0	5	12	20	50	100	150	200	T	#	0	5	12	20	50	100	150	200	T															
14:0/14:0	0.3±0.1	=	0.4±0.3	=	0.3±0.3	=	0.5±0.4	=	0.3±0.2	=	0.4±0.2	=	0.5±0.2	=	0.3±0.2	=	0.4±0.1	>	0.2±0.1	<	0.4±0.2	=	0.3±0.0	>	0.1±0.1	>								
14:0/16:1	0.7±0.0	<	1.3±0.3	=	0.9±0.5	=	0.6±0.1	<	1.1±0.3	=	1.2±0.2	=	1.2±0.3	>	0.7±0.3	=	0.6±0.2	=	0.4±0.3	<	0.9±0.2	=	0.6±0.2	=	0.5±0.1	<	0.7±0.1	=	0.7±0.3	>	0.3±0.2	=		
14:0/16:0	2.6±0.4	<	4.6±1.2	=	4.1±1.1	=	5.1±0.8	>	3.3±0.2	=	2.9±0.4	=	3.2±1.3	>	1.7±0.5	>	6.1±1.2	>	4.1±1.2	<	6.8±0.7	>	5.6±0.7	>	3.9±0.6	=	3.5±1.2	=	4.7±0.8	=	3.7±0.9	>		
16:1/15:0	0.2±0.0	>	0.1±0.1	=	0.3±0.2	=	0.2±0.1	=	0.2±0.1	>	0.1±0.0	<	0.3±0.2	=	0.2±0.1	=	0.3±0.4	=	0.2±0.0	=	0.2±0.1	=	0.2±0.2	=	0.2±0.1	=	0.2±0.1	=	0.1±0.1	=				
16:0/15:0	- #	+ <	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	+	=	0.1±0.0	=	0.1±0.0	#	0.1±0.1	=	0.2±0.2	=	0.1±0.2	=	0.1±0.0	=	0.1±0.1	=	0.1±0.1	=	0.2±0.1	>	0.1±0.0	=				
14:0/18:3	1.7±0.8	=	2.3±0.1	=	2.6±0.9	=	2.1±0.4	=	2.5±0.6	=	2.6±0.3	=	2.8±0.6	=	2.2±0.2	=	0.4±0.1	<	1.2±0.6	=	1.6±0.8	=	1.7±0.2	=	1.4±0.4	=	1.1±0.4	=	1.2±0.3	=	1.2±0.5	<		
14:0/18:2	2.0±0.4	<	2.7±0.1	<	4.6±0.4	=	4.7±1.1	=	5.6±0.7	>	4.5±0.8	=	5.0±1.6	>	2.9±0.6	<	0.2±0.0	<	2.6±0.3	<	4.2±1.1	=	3.7±0.7	=	4.4±0.6	=	3.8±0.7	=	3.7±0.7	>	2.2±0.4	<		
14:0/18:1, 16:0/16:1, 16:1/16:0	18.8±1.2	=	20.4±1.5	=	18.9±1.6	>	16.2±1.1	<	20.2±0.5	=	19.8±1.2	=	18.3±1.3	=	17.8±1.0	=	8.7±0.6	>	6.5±1.1	<	9.3±0.7	=	8.7±1.0	=	7.9±0.6	>	6.0±1.4	<	7.8±0.8	=	6.6±1.0	>		
16:0/16:0	0.3±0.1	<	0.5±0.1	<	1.0±0.4	=	0.5±0.2	>	0.3±0.1	=	0.2±0.2	=	0.4±0.2	=	0.4±0.1	=	3.9±0.6	<	5.6±0.7	>	4.0±0.5	=	3.8±0.4	=	3.8±0.5	=	4.0±0.6	=	4.0±0.2	=	4.4±0.4	=		
15:0/18:3	0.2±0.1	=	0.1±0.1	=	0.1±0.1	=	0.1±0.0	=	0.1±0.1	=	0.2±0.1	>	0.1±0.0	<	0.2±0.1	=	0.1±0.1	=	0.1±0.0	=	0.1±0.1	=	0.2±0.1	=	0.1±0.0	=	0.2±0.1	=	0.1±0.1	=	0.2±0.1	=		
15:0/18:2	0.4±0.3	>	0.1±0.1	=	0.2±0.1	=	0.2±0.1	=	0.1±0.0	<	0.3±0.2	=	0.2±0.1	=	0.3±0.2	=	0.1±0.2	=	0.2±0.0	=	0.2±0.1	<	0.6±0.2	>	0.3±0.2	=	0.3±0.1	=	0.3±0.1	=	0.3±0.1	=		
15:0/18:1	- #	0.1±0.1	=	0.4±0.3	=	0.5±0.3	=	0.4±0.2	>	- <	0.4±0.0	=	0.3±0.0	#	+	=	0.1±0.1	<	0.4±0.0	=	0.4±0.0	=	0.3±0.2	=	0.1±0.0	>	- <	0.1±0.1	=					
17:1/16:0	0.4±0.0	=	0.4±0.2	=	0.3±0.3	=	0.5±0.5	=	0.4±0.4	=	0.8±0.2	=	0.5±0.3	=	0.6±0.2	<	0.4±0.2	=	0.2±0.1	=	0.5±0.4	=	0.3±0.1	=	0.2±0.1	<	0.5±0.0	=	0.4±0.2	>	0.2±0.0	=		
14:0/20:5	0.1±0.0	>	+ >	- <	0.1±0.0	>	+ <	+ =	+ =	+ >	0.1±0.0	=	+ <	0.1±0.0	>	+ >	- <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.0	=							
16:1/18:3	+	=	0.1±0.0	=	0.1±0.0	=	+	=	0.1±0.1	=	+	=	0.1±0.1	>	- >	0.1±0.0	=	0.2±0.3	=	0.1±0.1	=	+	>	+ <	0.1±0.1	=	+	=	+	>				
20:4/14:0	- #	0.1±0.0	=	0.1±0.0	=	0.2±0.1	>	+ >	+ =	0.1±0.1	=	+ #	0.2±0.0	=	0.2±0.2	=	+	=	0.1±0.1	=	0.1±0.0	=	0.1±0.1	=	+	=	0.1±0.0	>						
14:0/20:4	- #	0.2±0.0	>	- <	0.1±0.0	=	+	=	0.1±0.0	=	0.1±0.0	=	0.1±0.0	#	0.1±0.0	=	+	=	0.1±0.0	=	0.1±0.1	=	+	=	+	>	- <	0.1±0.0	=					
18:3/16:0	12.6±0.7	>	11.5±0.7	=	9.2±2.2	=	10.7±1.0	=	9.9±1.6	=	11.7±0.9	=	11.0±1.1	=	13.1±2.9	=	24.1±2.3	=	23.8±1.1	>	22.3±0.8	=	22.5±2.0	>	14.5±1.8	=	14.7±1.6	=	15.6±1.2	=	15.1±0.5	>		
18:2/16:0	7.9±0.3	=	7.0±1.1	=	7.8±0.9	=	7.7±1.9	=	7.5±1.0	>	6.0±0.4	=	6.2±0.6	>	4.4±0.3	>	16.2±1.3	=	15.7±1.3	>	14.0±1.0	=	14.6±1.3	<	17.6±1.4	=	15.8±1.2	>	13.6±1.2	>	10.4±0.6	>		
18:1/16:0	43.4±1.4	>	40.9±1.6	=	40.3±2.1	=	41.5±1.8	=	40.0±1.2	<	42.4±1.8	=	42.6±4.8	=	46.6±4.0	=	32.4±4.1	=	31.9±2.5	=	29.2±1.9	=	31.6±4.2	<	37.7±2.3	<	42.1±3.3	=	41.4±3.2	<	49.8±3.1	<		
18:1/16:0	3.7±0.0	=	3.2±0.7	=	3.9±0.9	=	3.2±0.8	=	2.5±0.9	=	2.5±0.4	=	2.8±1.2	=	3.5±1.4	=	2.0±0.9	=	2.2±0.6	=	2.8±0.2	=	2.7±0.1	=	2.5±0.5	=	2.4±0.2	=	1.9±0.7	=	2.0±0.6	=		
18:0/16:0	0.6±0.5	=	0.4±0.5	=	0.4±0.5	=	0.1±0.1	=	0.1±0.1	=	0.1±0.0	=	+ <	0.2±0.1	=	0.1±0.1	=	0.3±0.3	=	0.1±0.1	=	0.1±0.1	=	0.1±0.0	=	0.2±0.2	=	0.2±0.1	=	0.1±0.0	=			
16:0/19:1	0.3±0.1	=	0.2±0.2	=	0.2±0.3	=	0.4±0.4	=	0.3±0.1	=	0.3±0.2	=	0.3±0.3	=	0.4±0.3	=	0.2±0.2	=	0.2±0.2	=	0.1±0.0	=	0.1±0.1	=	0.2±0.2	=	0.1±0.0	<	0.3±0.2	>	+	=		
17:0/18:1	- #	0.1±0.0	=	0.2±0.1	=	0.1±0.0	=	0.1±0.0	>	+ <	0.2±0.0	=	0.1±0.1	#	- #	- <	0.1±0.0	=	0.1±0.0	>	- #	- #	- #	- #	- #	- #	- #	- #	- #	- #	- #			
18:4/18:4	0.5±0.3	>	0.1±0.0	=	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	+	=	0.1±0.1	>	0.1±0.1	=	+	=	+	=	0.1±0.1	=	0.1±0.1	=	+	=	0.1±0.0	=						
18:3/18:4	0.3±0.2	=	0.3±0.1	=	0.3±0.1	=	0.2±0.1	=	0.3±0.1	=	0.2±0.1	=	0.3±0.2	=	0.3±0.1	=	0.4±0.2	=	0.8±0.8	=	0.3±0.2	=	0.2±0.2	=	0.4±0.3	=	0.4±0.1	=	0.4±0.3	=	0.4±0.1	=		
18:3/18:3	0.3±0.0	=	0.5±0.3	=	0.4±0.3	=	0.6±0.2	=	0.6±0.1	=	0.7±0.1	=	0.8±0.1	=	0.6±0.2	<	0.7±0.5	=	0.4±0.0	<	0.6±0.1	=	0.5±0.1	=	0.4±0.2	=	0.7±0.5	=	0.6±0.1	=	0.4±0.1	=		
18:2/18:4	0.1±0.1	=	0.1±0.1	=	0.1±0.0	=	0.1±0.0	>	0.1±0.0	=	0.1±0.1	=	0.1±0.2	=	0.1±0.1	=	0.4±0.1	=	0.3±0.0	=	0.1±0.1	=	0.2±0.2	=	0.2±0.1	=	0.1±0.1	=	0.1±0.1	=	0.1±0.0	>		
18:3/18:2	0.3±0.2	>	0.1±0.0	<	1.0±0.0	>	0.1±0.0	=	+ <	0.1±0.0	>	- <	0.1±0.0	>	0.1±0.0	<	1.5±0.0	>	+ =	=	0.1±0.1	>	- <	0.1±0.0	<	0.4±0.0	>	0.1±0.1	=					
18:2/18:3	0.4±0.2	=	0.3±0.1	=	0.3±0.0	<	1.0±0.1	=	1.0±0.3	>	0.5±0.2	=	0.7±0.3	=	0.5±0.2	=	0.2±0.1	=	0.7±0.2	=	0.6±0.1	=	0.4±0.3	<	1.3±0.2	=	1.2±0.2	>	0.8±0.2	=	0.6±0.2	<		
18:1/18:4	- #	0.1±0.0	=	0.2±0.0	>	+ =	0.1±0.0	=	+ >	- #	- #	0.1±0.0	>	- <	0.1±0.0	=	0.1±0.1	=	0.1±0.1	>	+ <	0.1±0.0	>	- >	- >	- >	- >	- >	- >	- >	- >			
20:5/16:0	0.4±0.1	>	0.1±0.0	<	0.2±0.1	=	0.2±0.1	=	0.1±0.0	=	0.1±0.1	>	+ =	+ >	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	+	=	0.1±0.0	=	+	=				
18:3/18:1	0.1±0.0	<	0.6±0.3	>	0.2±0.1	<	0.6±0.1	=	0.6±0.7	=	0.7±0.2	=	0.5±0.4	=	0.5±0.3	<	0.1±0.1	=	0.3±0.2	=	0.2±0.2	=	+ =	0.1±0.1	=	0.3±0.3	=	0.3±0.1	=	0.2±0.1	=			
18:0/18:4	0.1±0.0	=	0.1±0.0	<	0.2±0.0	>	0.1±0.0	=	+ =	0.1±0.0	=	0.1±0.1	=	+ >	0.2±0.0	=	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=	+ =	0.1±0.0	=	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
18:2/18:1	0.1±0.1	=	0.2±0.1	=	0.1±0.1	=	0.2±0.0	=	0.1±0.1	=	0.3±0.3	=	0.2±0.2	=	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	0.2±0.2	=	0.1±0.0	=	0.2±0.2	=	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=
20:3/16:0	0.1±0.1	=	0.2±0.1	=	0.1±0.1	=	0.1±0.1	>	+ =																									

18:0/18:2	0.4±0.2 =	0.2±0.0 <	0.5±0.2 =	0.5±0.4 =	0.4±0.1 >	0.1±0.0 =	0.2±0.1 =	0.1±0.1 >	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 <	0.4±0.2 >	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =
18:0/18:1	+ <	0.1±0.0 <	0.2±0.1 =	0.1±0.1 <	0.3±0.0 =	0.2±0.1 =	0.2±0.1 =	0.3±0.3 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	+ <	0.1±0.0 >	+ =	0.1±0.0 =	0.1±0.0 =
16:0/20:0	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	+ =	+ =	0.1±0.1 =	0.2±0.2 =	0.2±0.1 =	+ =	+ =	+ <	0.1±0.0 =	0.1±0.0 =	+ =	+ =
20:5/18:4	0.2±0.0 >	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	0.2±0.0 >	0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	- <	0.1±0.1 =	0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	0.2±0.2 =	0.1±0.0 =	0.2±0.2 <
20:5/18:3	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	+ =	0.1±0.1 =	0.2±0.1 =	0.4±0.0 >	+ =	0.1±0.0 >	+ =	+ =	+ =	+ =	0.1±0.0 >
20:4/18:4	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	+ =	+ =	0.1±0.0 =	+ >	- >	0.3±0.0 >	+ =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	+ =	+ =	+ >
20:5/20:5	- #	- <	0.1±0.0 >	- #	- <	+ >	- <	+ #	- #	- <	+ =	+ =	- <	+ >	- #	- #
20:5/20:4	- #	- <	+ =	0.1±0.0 >	- <	+ >	- #	- #	0.3±0.0 >	- <	+ >	+ <	0.1±0.0 >	+ =	+ =	+ >
20:4/20:4	- #	0.1±0.0 >	- <	0.1±0.0 >	- <	+ >	- <	0.1±0.0 #	0.1±0.0 >	- <	0.1±0.0 >	+ <	0.1±0.0 >	- #	- #	- >
16:0/24:0	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	+ =	+ =	0.1±0.2 =	0.1±0.0 >	+ =	+ =	+ =	0.1±0.1 =	0.1±0.0 =	+ <	0.2±0.1 =

PG	Streblonema corymbiferum										Streblonema sp.									
	0	5	12	20	50	100	150	200	T	#	0	5	12	20	50	100	150	200	T	
16:1/15:0	0.2±0.1 =	0.2±0.1 >	0.1±0.0 =	+ <	0.1±0.0 =	0.1±0.1 =	0.1±0.0 <	0.2±0.1 =	0.2±0.1 >	+ <	+ >	+ =	0.1±0.1 =	0.1±0.0 =	+ <	+ <	0.4±0.1 <			
16:0/15:0	0.1±0.0 >	+ <	+ =	+ =	0.1±0.1 =	0.2±0.0 =	0.1±0.1 <	0.4±0.2 <	0.4±0.2 >	0.1±0.0 >	+ <	0.1±0.0 =	0.1±0.1 =	0.2±0.1 <	0.8±0.2 >	0.4±0.0 =				
18:3/14:0	0.4±0.1 <	0.6±0.2 >	0.3±0.2 =	0.3±0.2 =	0.3±0.1 =	0.3±0.2 =	0.3±0.3 =	0.2±0.1 =	0.5±0.4 =	0.2±0.0 =	0.1±0.1 =	0.2±0.1 =	0.1±0.1 =	0.2±0.0 =	0.2±0.0 >	0.1±0.0 >				
14:0/18:2	0.2±0.1 =	0.1±0.1 =	0.2±0.1 =	0.2±0.0 =	0.4±0.2 =	0.2±0.1 =	0.3±0.3 =	0.1±0.1 =	0.7±0.1 >	0.4±0.1 >	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 <	0.2±0.0 >					
14:0/18:1	0.2±0.2 <	0.5±0.1 >	0.2±0.1 =	0.2±0.0 <	0.4±0.1 =	0.4±0.2 =	0.4±0.3 =	0.2±0.1 =	0.4±0.2 =	0.3±0.1 >	0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	0.1±0.1 =	0.2±0.0 >	0.1±0.0 >				
16:0/16:1	0.1±0.1 =	0.2±0.2 =	+ =	0.1±0.1 =	+ =	0.1±0.0 =	0.3±0.2 =	0.2±0.1 =	0.2±0.1 >	+ =	0.1±0.1 =	0.1±0.1 =	0.2±0.1 =	0.1±0.0 =	0.2±0.2 =	0.3±0.1 =				
17:0/16:1	0.1±0.0 >	+ =	0.1±0.0 =	+ <	0.1±0.0 =	+ =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	+ =	+ <	0.1±0.0 =	0.1±0.1 <	0.3±0.0 >	0.1±0.0 =				
18:3/16:1	7.1±0.2 >	5.5±0.7 >	3.6±0.2 <	4.3±0.5 =	5.5±1.8 <	9.6±0.8 >	6.9±1.7 <	13.6±4.1 <	2.5±0.4 >	1.4±0.1 >	0.7±0.2 =	0.9±0.1 <	4.1±1.2 =	4.9±0.4 <	8.4±1.8 <	14.5±0.8 <				
18:3/16:0	23.9±0.6 <	29.2±1.2 <	32.2±2.0 =	32.4±0.9 >	20.4±0.8 >	18.7±0.6 =	19.6±1.2 =	17.8±2.1 >	24.6±0.9 <	27.5±0.2 =	27.6±1.6 =	28.4±1.0 =	26.0±3.9 =	23.9±1.1 =	24.2±2.7 >	18.1±2.7 >				
18:1/16:1	0.2±0.2 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.2±0.0 =	0.2±0.1 <	0.6±0.2 <	3.0±0.8 =	2.0±1.1 >	0.6±0.1 =	0.7±0.1 >	0.4±0.1 =	0.5±0.1 >	0.3±0.2 <	0.9±0.4 >				
16:0/18:2, 18:2/16:0	5.3±0.5 >	4.7±0.2 <	5.6±0.4 =	5.6±0.2 =	5.6±0.3 >	4.7±0.3 =	5.1±0.6 =	5.2±0.2 =	5.7±2.4 =	5.8±0.6 =	4.8±0.7 =	5.0±0.7 <	7.6±0.4 <	8.1±0.2 =	7.1±2.0 =	6.0±1.1 =				
16:0/18:1	4.4±1.3 =	4.0±0.1 >	3.4±0.5 =	4.0±0.6 <	5.9±0.6 <	6.7±0.6 =	6.3±1.2 <	9.7±1.0 <	6.6±0.9 <	8.3±0.9 =	8.5±0.7 =	9.2±0.6 <	13.7±1.7 =	15.8±2.4 =	17.0±1.9 <	26.6±1.3 <				
17:0/18:3	0.1±0.1 =	+ =	+ =	+ =	+ =	+ =	0.1±0.0 >	+ <	0.1±0.1 =	0.2±0.1 >	+ =	+ <	0.1±0.1 >	+ <	0.1±0.0 <	0.2±0.0 =				
17:0/18:1	0.2±0.1 =	0.2±0.1 =	0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	0.3±0.2 =	0.3±0.1 =	0.3±0.2 =	0.2±0.0 =	0.2±0.2 =	0.2±0.1 >	0.1±0.0 <	0.2±0.1 =	0.3±0.1 =	0.2±0.1 =					
18:4/18:4	+ =	+ =	+ =	+ <	+ =	0.1±0.1 =	+ =	+ =	0.1±0.2 =	0.1±0.1 =	0.1±0.1 =	+ =	0.1±0.1 =	0.2±0.2 =	+ <	0.1±0.0 =				
18:3/18:4	3.5±1.1 =	3.8±0.6 =	3.3±0.5 =	3.5±0.5 <	4.2±0.3 >	3.5±0.6 =	3.6±0.7 =	2.6±0.9 =	5.1±0.3 =	5.4±0.2 <	8.0±0.5 =	8.1±0.6 >	4.0±0.4 =	4.8±0.9 =	4.6±0.6 =	4.3±0.2 >				
18:3/18:3	27.7±1.4 =	29.5±1.6 >	27.6±0.6 =	27.7±0.9 >	25.3±0.9 =	25.7±0.9 =	25.8±1.3 >	20.4±1.5 >	26.8±1.2 =	27.9±1.5 <	32.5±1.3 =	31.0±3.5 >	20.3±2.4 =	19.7±1.8 =	18.3±2.2 >	14.4±0.4 >				
16:1/20:5	0.1±0.1 >	+ =	+ =	+ <	+ =	+ =	0.1±0.1 =	0.2±0.1 =	0.2±0.2 =	0.2±0.3 =	+ =	+ <	0.1±0.0 =	0.1±0.1 <	0.2±0.1 =	0.2±0.1 =				
18:3/18:2	11.8±1.0 >	10.0±0.8 <	11.0±0.2 =	10.7±0.6 <	13.1±0.5 =	12.0±1.1 =	12.0±0.7 >	9.2±0.6 >	10.6±1.9 =	10.0±0.5 =	9.7±1.2 =	9.7±0.9 =	11.1±2.0 =	9.2±1.9 =	8.7±1.8 >	3.7±0.2 >				
18:2/18:3	0.2±0.2 =	0.1±0.0 =	0.1±0.0 >	+ =	0.2±0.2 =	0.1±0.1 =	0.1±0.0 >	0.1±0.0 =	0.1±0.1 =	0.2±0.1 =	+ =	0.1±0.1 =	0.2±0.3 =	0.1±0.0 <	0.5±0.2 >	0.1±0.0 =				
20:5/16:0	0.1±0.1 =	0.1±0.1 =	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.0 =	0.1±0.1 =	+ =	+ =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 <				
16:0/20:5	0.3±0.2 =	0.1±0.0 =	0.5±0.5 =	0.1±0.1 =	+ <	0.2±0.0 >	+ =	0.1±0.2 =	0.4±0.3 =	0.3±0.2 =	0.2±0.1 =	0.1±0.0 =	0.1±0.0 =	0.4±0.3 =	0.3±0.1 =	0.2±0.0 =				
18:2/18:2	2.3±1.1 =	1.8±0.5 <	2.5±0.3 =	2.2±0.6 =	2.7±0.6 >	1.6±0.1 =	1.5±0.5 =	1.9±1.3 =	1.5±0.6 =	2.4±0.9 =	2.0±0.1 <	2.3±0.3 <	3.3±0.9 =	3.4±0.4 >	1.8±0.1 >	0.6±0.1 >				
18:3/18:1	4.9±0.4 >	3.6±0.3 >	2.3±0.1 =	2.9±0.6 <	5.4±1.2 =	5.8±0.5 <	7.0±0.9 >	5.2±0.4 =	2.7±0.5 >	1.6±0.3 >	0.8±0.1 =	0.7±0.2 <	1.7±0.1 =	1.4±0.8 =	1.3±0.4 =	1.0±0.0 >				
18:1/18:3	0.3±0.0 =	0.1±0.1 =	0.1±0.1 =	+ =	+ =	+ =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	+ <	0.3±0.2 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =				
20:4/16:0	0.1±0.0 =	0.1±0.0 =	+ =	+ =	+ =	+ =	+ <	0.1±0.1 =	+ >	0.1±0.1 =	0.1±0.0 =	0.1±0.0 >	+ =	0.1±0.1 =	0.2±0.1 >	+ =	0.1±0.1 =			
16:0/20:4	0.1±0.0 =	0.1±0.0 =	+ >	+ <	+ =	0.1±0.0 =	+ =	0.1±0.1 =	0.2±0.1 =	0.2±0.2 =	+ =	+ =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 <	0.3±0.0 <				
18:2/18:1	2.4±0.8 =	2.0±0.2 =	2.6±0.7 =	2.1±0.2 <	3.9±0.2 >	3.3±0.4 =	3.7±0.2 =	3.7±1.2 =	1.5±0.4 >	0.8±0.2 =	0.7±0.0 =	0.6±0.1 <	1.6±0.1 =	1.8±0.2 >	1.0±0.2 >	0.7±0.1 >				
18:1/18:2	0.2±0.2 =	0.1±0.2 =	+ =	+ =	0.1±0.1 =	+ <	0.1±0.0 <	0.2±0.1 =	0.3±0.1 >	0.2±0.0 >	0.1±0.0 <	0.1±0.0 =	0.1±0.1 =	0.3±0.3 =	0.1±0.1 <	0.3±0.0 =				
20:3/16:0	0.1±0.0 >	+ <	+ =	+ <	0.1±0.0 =	0.1±0.0 >	+ =	0.1±0.1 =	0.1±0.1 =	+ =	+ =	+ =	0.1±0.1 =	0.1±0.0 =	+ <	0.1±0.0 =				
18:3/18:0	0.1±0.0 =	0.1±0.0 <	0.1±0.1 =	0.1±0.0 >	+ =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.2±0.0 =	0.1±0.1 =	+ =	+ <	0.2±0.0 =	0.1±0.0 >	+ #	- #				
18:0/18:3	- <	+ =	0.1±0.0 =	+ <	0.1±0.0 =	0.1±0.0 >	+ =	0.1±0.0 <	+ =	0.1±0.2 =	+ =	+ =	0.1±0.1 >	- <	0.1±0.0 #	- #				

18:1/18:1	1.8±0.2 >	1.5±0.0 <	2.0±0.1 =	1.9±0.3 <	3.3±0.5 =	3.8±0.9 =	3.4±0.4 <	5.8±0.1 <	2.2±1.0 >	0.9±0.2 =	1.1±0.5 =	0.6±0.0 <	2.2±0.3 =	2.7±1.0 =	2.1±0.4 <	3.9±0.7 <
18:0/18:2	0.2±0.1 =	0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	0.3±0.1 =	0.3±0.1 >	0.1±0.1 =	0.1±0.0 =	0.2±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.3±0.3 =	0.2±0.1 >	0.1±0.0 <	0.4±0.1 =
18:0/18:1	0.3±0.2 =	0.2±0.1 <	0.7±0.1 >	0.4±0.2 <	1.2±0.4 =	1.1±0.2 =	1.3±0.5 >	0.5±0.2 =	0.1±0.0 =	0.1±0.1 =	+ =	0.1±0.0 <	0.2±0.0 =	0.4±0.3 =	0.6±0.3 =	0.5±0.2 <
18:4/20:5	0.2±0.2 =	0.1±0.0 >	+ =	0.1±0.0 =	+ =	0.1±0.1 =	0.1±0.0 >	+ >	0.1±0.0 =	0.1±0.1 >	+ =	0.1±0.1 =	+ =	0.1±0.0 <	0.1±0.0 =	0.1±0.0 >
20:5/18:3	0.5±0.1 <	0.8±0.2 >	0.4±0.0 =	0.4±0.0 >	0.2±0.1 =	0.3±0.1 =	0.3±0.0 =	0.4±0.2 =	0.7±0.3 <	1.4±0.2 >	0.9±0.4 =	0.6±0.2 =	0.4±0.2 =	0.2±0.1 =	0.3±0.2 =	0.3±0.1 >
20:5/18:2	0.2±0.1 <	0.3±0.0 >	0.1±0.0 <	0.1±0.0 =	0.2±0.1 =	0.1±0.1 =	0.1±0.0 =	0.2±0.0 =	1.0±0.5 =	1.4±0.3 >	0.3±0.2 =	0.4±0.3 =	0.1±0.0 =	0.2±0.1 =	0.1±0.1 =	0.2±0.1 >
20:5/18:2	0.1±0.1 =	+ >	+ =	+ =	+ =	0.1±0.0 =	+ =	+ =	- =	+ =	+ =	+ <	+ =	+ =	+ #	- #
18:2/20:5	0.2±0.1 >	+ >	- #	- #	- <	0.1±0.0 =	+ =	0.1±0.0 =	0.1±0.0 =	+ =	+ =	+ =	0.1±0.1 >	- <	0.1±0.1 =	0.1±0.0 =
18:1/20:5	0.3±0.1 >	+ =	0.1±0.1 =	+ =	0.1±0.1 =	0.1±0.0 =	0.1±0.2 =	0.1±0.0 >	0.1±0.0 =	+ >	+ =	+ <	0.1±0.0 =	+ =	0.1±0.1 =	0.1±0.0 =
20:5/20:5	0.1±0.0 >	+ <	+ >	+ =	+ >	- <	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 >	+ =	+ =	0.1±0.0 =	+ <	0.1±0.0 <	0.3±0.0 <
20:4/20:5	0.1±0.0 =	+ =	0.1±0.0 =	+ =	+ =	0.1±0.0 =	0.1±0.0 =	0.3±0.3 =	+ >	- =	+ =	+ =	0.3±0.4 =	0.1±0.0 =	0.3±0.2 =	0.2±0.0 =

PE	Streblonema corymbiferum								Streblonema sp.											
	0	5	12	20	50	100	150	200	T	#	0	5	12	20	50	100	150	200	T	
16:1/16:1	0.3±0.1 =	0.5±0.1 =	0.3±0.4 =	0.3±0.2 =	0.2±0.1 >	+ =	0.1±0.0 <	0.2±0.1 =	1.0±0.6 =	0.9±0.5 =	1.0±1.2 =	0.3±0.2 =	=	0.3±0.1 =	=	0.3±0.2 =	=	0.3±0.2 >		
16:0/16:1	0.4±0.5 =	0.1±0.0 =	0.1±0.1 =	+ <	0.1±0.0 =	0.1±0.1 =	0.1±0.0 <	0.1±0.0 =	1.4±0.6 >	0.2±0.2 =	0.1±0.1 =	+ =	0.1±0.1 =	=	0.1±0.0 <	0.2±0.1 >	0.1±0.0 =	>		
14:0/20:5	1.8±0.4 >	1.0±0.3 =	0.5±0.4 =	0.7±0.2 <	1.6±0.4 =	2.0±0.6 =	1.4±0.5 =	2.0±1.4 =	1.6±1.2 =	0.9±0.4 <	1.8±0.3 =	1.4±0.6 >	0.5±0.3 =	=	0.4±0.1 =	=	0.6±0.2 =	0.5±0.2 =		
14:0/20:4	7.6±0.5 >	4.8±0.5 >	3.0±0.5 =	3.6±0.4 =	4.1±0.9 =	3.6±0.2 =	3.6±0.1 >	3.4±0.1 >	1.0±0.7 =	1.5±0.2 >	0.9±0.3 <	1.6±0.5 >	0.6±0.1 <	0.8±0.1 =	=	0.8±0.2 >	0.4±0.1 =	>		
18:1/16:1	5.5±1.5 =	3.8±1.2 >	1.7±0.8 =	1.5±0.6 >	0.5±0.3 =	0.2±0.1 =	0.1±0.0 <	0.3±0.2 >	26.3±1.6 >	23.5±1.9 >	16.2±0.4 >	12.1±2.3 >	3.1±0.3 =	=	3.7±0.6 >	1.0±0.2 =	=	0.7±0.1 >		
16:0/18:1	0.4±0.1 =	0.5±0.4 =	0.3±0.0 =	0.3±0.2 =	0.2±0.0 =	0.2±0.1 =	0.3±0.1 =	0.3±0.2 =	1.5±0.8 =	1.2±0.1 =	1.0±0.6 =	0.8±0.1 >	0.3±0.2 =	=	0.5±0.2 =	=	0.7±0.5 =	=	0.4±0.2 >	
18:0/16:0	0.5±0.0 >	+ =	+ =	+ =	+ =	+ =	0.1±0.0 =	0.1±0.0 >	0.2±0.2 =	0.1±0.1 =	+ =	+ <	0.1±0.0 =	=	0.1±0.1 <	0.4±0.0 >	0.1±0.1 =	=		
20:5/15:0	0.1±0.0 =	+ <	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	+ =	+ >	0.4±0.2 >	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	=	+ =	+ =	0.5±0.6 =	=	0.1±0.0 >		
20:4/15:0	0.1±0.0 >	0.1±0.0 =	0.2±0.1 =	+ =	+ <	0.1±0.0 =	0.1±0.1 =	+ >	0.2±0.1 =	0.1±0.1 =	+ =	+ <	0.1±0.0 >	=	0.1±0.0 <	0.4±0.3 =	=	0.1±0.1 =		
18:3/18:4	0.9±0.2 >	0.2±0.2 =	+ =	+ =	+ =	+ =	0.1±0.1 =	+ >	+ =	0.1±0.0 =	+ =	0.1±0.0 >	- <	+ >	- <	+ =	- <	+ =		
18:4/18:3	0.7±0.5 =	0.3±0.2 =	0.2±0.1 =	0.3±0.2 >	+ <	0.1±0.0 =	0.1±0.1 >	+ >	0.3±0.1 >	0.1±0.0 =	0.1±0.1 =	+ =	0.1±0.0 =	=	+ >	- <	+ >	- <	0.1±0.1 >	
16:0/20:5	1.0±0.8 =	1.1±0.3 >	0.6±0.2 =	0.7±0.5 <	2.1±0.1 >	1.3±0.6 =	1.2±0.5 <	3.5±0.7 <	3.5±0.9 <	6.4±0.3 =	6.2±1.1 =	6.3±0.7 >	2.8±0.1 =	=	2.3±1.1 =	=	3.5±0.8 =	=	4.3±0.1 =	
18:2/18:2	0.3±0.2 =	0.3±0.1 =	0.2±0.1 =	0.1±0.1 =	0.1±0.0 =	+ =	0.1±0.0 =	0.1±0.0 =	1.0±1.3 =	0.2±0.1 =	0.2±0.1 >	+ <	0.1±0.0 =	=	0.1±0.0 =	=	0.2±0.1 =	=	0.1±0.1 =	
16:0/20:4	4.6±0.7 =	5.0±0.8 =	4.3±0.6 =	4.5±0.1 >	4.1±0.4 <	4.7±0.3 >	3.3±0.3 <	4.8±0.5 =	12.0±2.3 >	7.9±0.2 =	7.1±0.9 =	5.9±1.0 =	=	5.5±0.2 =	=	6.2±1.0 =	=	6.7±0.8 =	=	6.5±1.1 >
18:2/18:1	0.7±0.2 >	0.3±0.2 =	0.3±0.2 =	0.3±0.1 =	0.3±0.2 =	0.3±0.1 =	0.3±0.1 =	0.4±0.2 >	0.5±0.1 =	0.3±0.2 =	0.2±0.1 =	0.2±0.1 >	0.1±0.0 <	0.2±0.1 =	=	0.3±0.1 =	=	0.4±0.3 =	=	
18:1/18:1	1.1±0.4 =	1.1±0.4 =	0.9±0.5 =	1.0±0.3 <	1.8±0.4 =	1.8±0.7 =	1.9±0.2 =	1.7±0.8 =	0.7±0.2 <	1.3±0.2 =	1.1±0.5 =	0.9±0.2 >	0.5±0.0 <	1.1±0.1 >	=	0.9±0.0 =	=	1.0±0.4 =	=	
20:5/18:4	4.9±2.5 =	4.1±0.4 >	2.7±0.6 =	2.2±0.9 >	0.6±0.4 =	0.3±0.2 =	0.4±0.2 =	0.3±0.2 >	1.5±0.4 >	0.9±0.4 =	0.7±0.1 >	0.3±0.1 >	0.1±0.0 =	=	0.1±0.0 <	0.3±0.0 =	=	0.1±0.1 >	=	
20:5/18:3	1.4±0.8 =	0.8±0.3 =	0.5±0.2 =	0.4±0.2 =	0.4±0.2 =	0.4±0.3 <	0.8±0.2 >	0.2±0.2 >	0.6±0.3 =	0.5±0.5 =	0.3±0.3 =	0.4±0.1 >	0.2±0.2 =	=	0.2±0.1 =	=	0.2±0.0 =	=	0.1±0.1 >	
18:3/20:5	6.5±0.7 =	5.9±0.6 >	4.1±0.1 =	4.1±0.5 >	0.8±0.2 >	0.3±0.1 <	0.7±0.2 =	0.4±0.3 >	0.9±0.3 =	0.8±0.5 =	0.4±0.0 =	0.5±0.2 >	0.3±0.0 >	0.1±0.0 <	0.3±0.2 >	=	0.1±0.0 >	=	0.1±0.0 >	
18:3/20:4	1.4±0.4 =	1.3±0.7 =	0.8±0.3 =	0.6±0.2 <	1.4±0.4 =	1.2±0.8 =	1.1±0.4 =	0.9±0.1 >	0.4±0.2 =	0.6±0.2 =	0.5±0.2 =	0.7±0.2 >	=	0.2±0.1 =	=	0.5±0.4 =	=	0.3±0.0 =	=	
18:2/20:5	0.3±0.3 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 >	+ <	0.1±0.0 =	0.1±0.0 >	0.6±0.8 =	0.1±0.0 >	0.1±0.0 =	0.1±0.0 =	=	0.1±0.1 =	=	0.1±0.1 <	0.3±0.2 >	0.1±0.0 =	=	
18:2/20:4	1.9±1.5 =	0.9±0.7 =	0.5±0.3 =	0.6±0.5 =	0.6±0.4 =	0.6±0.2 =	0.6±0.5 =	0.3±0.1 >	0.6±0.3 =	0.3±0.3 =	0.3±0.1 =	0.2±0.1 =	=	0.3±0.1 =	=	0.4±0.1 =	=	0.2±0.1 =	=	
18:1/20:5	1.1±1.0 =	1.0±0.4 =	0.4±0.4 =	0.5±0.1 <	0.9±0.2 =	0.8±0.3 =	0.8±0.6 =	0.4±0.3 =	0.7±0.3 >	0.3±0.3 =	0.2±0.1 =	0.3±0.1 =	=	0.2±0.1 =	=	0.3±0.1 =	=	0.5±0.5 =	=	0.2±0.1 >
18:1/20:5	0.7±0.8 =	0.4±0.2 =	0.5±0.2 =	0.6±0.2 =	0.5±0.4 =	0.5±0.2 =	0.4±0.2 =	0.5±0.2 =	0.5±0.5 =	0.4±0.4 =	0.3±0.2 =	0.3±0.1 >	0.1±0.0 =	=	0.2±0.1 =	=	0.2±0.1 =	=	0.2±0.1 =	=
18:1/20:4	0.9±0.4 <	2.1±0.6 =	1.9±0.7 =	2.1±1.2 >	0.7±0.1 <	1.2±0.2 =	1.0±0.4 >	0.3±0.2 >	1.0±0.8 =	0.3±0.2 =	0.5±0.1 >	0.2±0.1 <	0.3±0.1 =	=	0.5±0.2 =	=	0.9±0.4 >	=	0.2±0.1 =	=
18:0/20:5	0.5±0.2 =	0.4±0.2 =	0.7±0.2 =	0.9±0.3 =	0.6±0.2 <	1.4±0.2 =	1.1±0.4 =	1.7±0.8 <	2.3±2.1 =	1.2±0.9 =	1.0±0.5 =	1.3±0.2 =	=	0.9±0.5 =	=	1.2±0.4 =	=	1.3±0.9 =	=	1.6±0.5 =
18:0/20:4	2.7±0.7 =	3.1±0.1 <	3.5±0.4 =	4.0±0.5 =	3.8±0.2 >	2.7±0.1 <	3.4±0.4 =	2.3±1.0 =	1.5±1.0 <	2.6±0.2 >	2.2±0.3 =	2.4±0.5 <	<	4.0±0.1 <	<	5.1±0.8 =	=	4.6±0.2 =	=	4.4±0.5 <
20:5/20:5	2.9±1.0 =	3.0±0.5 >	2.2±0.3 =	2.3±0.4 <	2.9±0.4 <	4.7±0.3 >	3.1±1.0 <	6.6±2.1 <	2.3±1.6 <	8.6±0.9 =	9.2±1.2 =	8.8±0.2 >	5.9±0.4 =	=	5.6±0.9 <	=	7.2±0.6 =	=	7.7±0.7 <	
20:4/20:5	10.5±1.0 <	12.4±1.5 =	13.8±0.8 =	14.2±1.1 <	18.9±0.5 <	23.1±1.1 =	22.2±2.0 <	25.3±0.8 <	12.7±0.3 <	17.0±1.6 <	21.3±0.3 =	22.9±2.4 <	<	26.0±0.8 =	=	24.0±2.6 =	=	27.0±2.7 =	=	28.6±0.3 <
20:5/20:3	2.0±0.4 >	0.6±0.2 >	0.3±0.2 =	0.1±0.0 =	0.3±0.2 =	0.2±0.1 =	0.2±0.0 >	0.9±0.5 >	0.4±0.1 =	0.3±0.1 =	0.3±0.1 =	0.2±0.1 =	=	0.2±0.1 =	=	0.3±0.1 =	=	0.2±0.3 =	=	0.1±0.0 >
20:3/20:5	1.2±0.6 >	0.3±0.1 =	0.2±0.0 =	0.2±0.1 =	0.2±0.1 =	0.2±0.1 =	0.2±0.2 =	0.3±0.3 >	1.9±0.4 >	0.6±0.8 =	0.2±0.1 =	0.2±0.2 =	=	0.1±0.0 <	0.2±0.1 =	=	0.6±0.9 =	=	0.2±0.0 >	

20:4/20:4	20.0±1.4	<	27.9±2.3	<	39.5±4.5	=	38.4±1.8	=	40.4±1.6	>	35.1±1.5	=	37.7±3.1	>	30.2±1.5	<	13.4±1.2	=	15.3±2.3	<	20.5±0.2	<	26.0±0.8	<	41.9±1.7	>	37.8±2.2	>	34.3±1.9	=	35.0±1.1	<
20:3/20:4	1.3±0.0	>	0.7±0.1	=	0.6±0.3	=	0.4±0.2	=	0.2±0.1	<	0.3±0.1	=	0.2±0.1	=	0.3±0.0	>	0.3±0.2	=	0.1±0.0	=	0.3±0.2	=	0.3±0.2	=	0.1±0.0	<	0.4±0.2	=	0.2±0.2	=	0.2±0.3	=
20:4/20:2	0.8±0.1	=	0.7±0.2	>	0.2±0.1	=	0.4±0.3	=	0.2±0.1	=	0.1±0.1	=	0.1±0.0	=	0.2±0.2	>	0.8±0.8	=	0.1±0.0	=	0.1±0.0	>	+<	<	0.1±0.0	=	0.1±0.0	=	0.2±0.2	=	0.1±0.1	=
20:1/20:5	0.6±0.1	=	0.7±0.3	=	0.7±0.6	=	0.5±0.3	=	0.5±0.1	=	0.6±0.2	=	1.0±0.3	=	0.6±0.2	=	0.2±0.2	=	0.2±0.1	=	0.2±0.1	=	0.2±0.0	=	0.1±0.1	=	0.1±0.0	=	0.2±0.1	=	+<	
20:1/20:4, 20:0/20:5	4.1±0.8	=	4.4±0.2	=	4.1±0.6	=	4.6±0.4	=	4.1±0.5	=	4.0±0.4	=	3.8±0.9	=	4.9±1.4	=	0.8±0.6	<	1.9±0.5	=	1.9±0.0	=	1.7±0.5	>	1.0±0.4	<	2.2±0.9	>	1.1±0.3	=	1.4±0.3	=
20:0/20:4	4.8±1.0	=	5.9±0.2	=	6.3±1.1	=	6.6±0.9	>	4.3±0.7	=	4.6±0.3	=	5.2±1.1	>	3.7±0.6	=	2.7±0.3	>	1.8±0.5	=	1.7±0.5	=	1.6±0.3	=	2.0±0.6	<	3.1±0.2	=	3.1±0.6	>	2.1±0.5	>
20:4/22:1	0.1±0.2	=	0.1±0.1	=	0.1±0.1	=	0.1±0.1	>	+<	=	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	0.3±0.1	>	+<	=	0.2±0.2	=	0.1±0.1	=	+<	=	0.3±0.4	=	0.3±0.1	=	0.2±0.1	=
22:0/20:5	1.0±0.6	=	1.0±0.2	=	0.9±0.3	=	0.6±0.2	=	0.6±0.2	=	1.0±0.3	=	1.1±0.5	=	1.4±0.3	=	0.3±0.1	=	0.2±0.2	=	0.3±0.1	=	0.4±0.1	>	0.2±0.1	=	0.2±0.2	=	0.2±0.1	=	0.3±0.2	=
22:0/20:4	2.2±0.6	<	2.8±0.3	=	2.7±0.6	=	1.8±1.1	=	1.8±0.3	=	1.8±0.4	=	2.4±0.5	=	1.7±0.7	=	0.9±0.3	>	0.2±0.1	=	0.3±0.2	<	0.5±0.1	=	0.6±0.1	=	0.8±0.6	=	0.4±0.3	<	0.8±0.0	=
24:0/20:5	0.2±0.3	=	0.1±0.1	=	0.1±0.0	=	+<	=	+<	=	0.1±0.0	=	0.1±0.0	=	0.1±0.0	=	0.8±0.8	=	0.2±0.1	=	0.2±0.2	=	0.3±0.1	=	0.3±0.1	=	0.1±0.1	=	0.3±0.3	=	0.5±0.4	=
24:0/20:4	0.1±0.0	=	0.2±0.2	>	+<	=	0.1±0.1	=	0.1±0.1	=	0.1±0.1	=	0.1±0.0	=	0.1±0.0	=	0.3±0.2	=	0.8±0.6	=	0.5±0.2	=	0.4±0.3	=	0.1±0.1	=	0.6±0.6	=	0.3±0.2	=	0.4±0.4	=

17:1/18:2	+ =	+ =	0.1±0.0 =	0.1±0.1 =	+ =	+ =	+ <	0.1±0.0 =	0.1±0.2 =	0.1±0.0 =	+ <	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 >	+ =
17:0/18:2	0.1±0.0 =	0.1±0.0 =	0.1±0.1 <	0.2±0.1 >	0.1±0.0 =	0.1±0.0 =	+ =	+ =	0.2±0.0 >	0.1±0.0 =	0.2±0.1 =	0.1±0.0 >	+ =	0.1±0.0 =	0.1±0.0 =	+ =	+ >
16:0/19:1	+ =	+ =	+ >	+ <	+ =	+ =	+ =	+ =	0.1±0.0 =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =
18:3/18:3	0.2±0.1 =	0.2±0.1 >	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	+ >	0.2±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.2±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =
20:5/16:1	0.1±0.0 =	+ =	0.1±0.1 =	+ =	+ <	+ >	+ =	0.1±0.1 =	0.1±0.1 =	0.2±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =
16:1/20:5	0.1±0.2 =	+ =	+ =	+ =	+ <	+ >	+ =	+ =	0.1±0.0 =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =
18:3/18:2	0.1±0.1 =	0.1±0.0 <	0.2±0.0 >	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	+ =	+ =	0.1±0.0 =	0.2±0.1 <	0.4±0.1 >	0.2±0.1 =	0.2±0.1 =	0.2±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =
20:4/16:1	0.1±0.0 >	+ =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	+ =	+ >	0.2±0.1 >	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 >
16:0/20:5	3.6±0.6 =	3.8±0.0 >	2.1±0.4 =	2.3±0.5 <	3.2±0.3 <	4.9±0.7 =	4.4±1.7 <	7.4±0.6 <	14.5±2.2 =	15.8±0.6 >	11.8±0.9 =	12.5±1.2 >	11.1±0.7 <	12.4±0.9 =	13.0±0.7 <	16.2±1.0 =	
16:0/20:4	1.5±0.5 >	0.4±0.3 =	0.1±0.1 <	0.3±0.1 =	0.2±0.2 >	0.1±0.0 <	0.4±0.2 =	0.3±0.1 >	2.2±0.6 >	1.6±0.1 >	1.1±0.3 >	0.4±0.0 =	0.4±0.2 =	0.5±0.1 =	0.3±0.3 =	0.4±0.1 >	
16:0/20:4	2.8±0.4 =	3.0±0.4 <	4.4±0.5 =	3.8±0.5 =	3.6±0.4 =	4.2±0.4 =	4.1±0.3 =	3.6±0.5 <	7.5±1.3 =	7.3±0.9 =	6.3±1.0 =	6.4±0.3 <	7.9±0.5 =	7.3±0.5 =	7.4±0.1 =	7.3±0.4 =	
18:2/18:1	0.8±0.1 =	0.8±0.3 <	1.7±0.1 >	1.3±0.3 >	0.7±0.1 >	0.2±0.2 =	0.4±0.1 >	0.2±0.0 >	0.6±0.2 >	0.2±0.1 <	0.5±0.2 =	0.4±0.1 >	0.2±0.1 =	0.2±0.1 =	0.2±0.1 =	0.3±0.2 =	
18:1/18:2	0.5±0.3 =	0.7±0.4 =	0.4±0.1 <	0.7±0.2 >	0.4±0.1 >	0.2±0.1 =	0.3±0.1 =	0.3±0.1 =	0.5±0.2 =	0.5±0.3 =	0.4±0.3 =	0.4±0.1 =	0.3±0.1 =	0.3±0.2 =	0.4±0.3 =	0.2±0.1 >	
16:0/20:3	0.8±0.2 =	0.6±0.2 =	0.9±0.3 =	0.9±0.2 >	0.5±0.3 =	0.6±0.1 =	0.5±0.3 =	0.5±0.2 >	0.3±0.3 =	0.1±0.0 <	0.6±0.3 =	1.0±0.3 =	0.7±0.3 =	0.6±0.2 =	0.6±0.2 =	0.4±0.1 =	
16:0/20:3	0.2±0.2 =	0.3±0.3 =	0.3±0.2 =	0.5±0.1 >	0.1±0.0 =	0.1±0.1 =	0.3±0.2 =	0.1±0.1 =	0.1±0.1 =	0.2±0.3 =	0.4±0.2 =	0.2±0.2 =	0.2±0.0 =	0.1±0.1 =	0.2±0.1 =	0.2±0.3 =	
18:1/18:1	0.4±0.2 =	0.6±0.1 <	1.5±0.1 >	0.7±0.2 >	0.4±0.1 =	0.4±0.0 >	0.2±0.1 =	0.2±0.1 =	0.5±0.1 >	0.3±0.1 =	0.3±0.1 =	0.2±0.1 =	0.2±0.2 =	0.2±0.1 =	0.2±0.1 >	+ >	
18:1/18:1	0.4±0.2 =	0.4±0.1 =	0.6±0.2 =	0.4±0.1 >	0.2±0.0 =	0.3±0.1 >	0.1±0.1 =	0.2±0.0 >	0.4±0.2 =	0.1±0.0 =	0.1±0.0 =	0.2±0.1 =	0.1±0.1 =	0.2±0.1 =	0.1±0.0 =	0.1±0.0 >	
18:0/18:2	0.4±0.3 =	0.1±0.1 <	0.3±0.0 >	0.2±0.0 =	0.2±0.1 >	0.1±0.0 =	0.1±0.0 <	0.2±0.0 =	0.3±0.0 >	0.2±0.1 =	0.1±0.1 =	0.1±0.0 =	0.3±0.2 =	0.2±0.1 >	0.1±0.0 =	0.1±0.1 >	
18:0/18:1	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.4±0.3 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	+ =	+ =	+ =	+ >
20:5/18:4	+ =	+ =	+ =	+ =	+ >	+ =	+ =	+ =	+ =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 >	0.1±0.0 =	+ =	+ =	0.1±0.1 =	
20:5/18:4	+ =	+ =	0.1±0.1 =	+ =	+ =	+ >	+ =	+ =	0.2±0.2 =	+ <	0.1±0.0 >	+ <	0.1±0.0 >	+ <	0.1±0.0 >	+ =	
20:5/18:3	1.5±0.2 =	1.4±0.2 =	1.3±0.1 =	1.3±0.4 =	1.4±0.1 <	1.6±0.1 =	1.3±0.4 <	1.8±0.1 <	2.7±1.0 =	2.5±0.3 =	2.4±0.3 =	2.4±0.2 =	2.2±0.2 >	1.9±0.2 =	2.0±0.3 =	2.3±0.5 =	
20:5/18:2	2.6±0.4 =	2.1±0.3 =	2.4±0.6 =	2.7±0.0 <	3.4±0.2 >	2.8±0.1 >	2.5±0.1 =	2.3±0.3 =	3.6±0.3 =	4.0±0.4 >	3.5±0.2 <	4.2±0.5 =	4.5±0.5 =	4.7±0.5 =	4.9±0.3 =	4.8±0.3 <	
20:4/18:3	0.5±0.1 <	1.2±0.5 =	1.2±0.1 >	1.0±0.1 >	0.6±0.1 <	1.2±0.2 =	1.1±0.1 =	0.9±0.2 <	0.9±0.6 =	0.5±0.2 <	1.4±0.5 >	0.5±0.3 =	0.6±0.1 =	0.7±0.1 =	0.5±0.1 >	0.3±0.0 =	
20:3/18:3	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	+ =	+ <	0.1±0.0 >	+ =	+ =	0.5±0.3 =	0.3±0.1 >	0.1±0.0 =	0.1±0.1 >	0.1±0.0 <	0.2±0.0 =	0.1±0.1 =	0.1±0.1 >	
20:4/18:2	1.3±0.5 <	4.1±1.0 <	5.5±0.7 =	5.4±0.7 >	3.0±0.2 =	2.6±0.8 =	2.0±0.6 >	0.9±0.2 =	1.7±0.5 =	2.0±0.3 =	2.5±0.7 =	2.5±0.9 <	3.7±0.5 =	3.4±0.8 =	3.1±0.5 >	2.0±0.4 =	
20:5/18:1	3.4±0.8 >	2.1±0.8 =	2.4±0.5 >	1.6±0.4 <	2.4±0.2 >	1.5±0.3 <	2.2±0.1 =	2.2±0.1 >	2.0±0.3 >	1.5±0.3 =	1.9±0.2 <	2.4±0.3 >	1.2±0.1 =	1.5±0.5 =	1.0±0.2 <	1.8±0.3 =	
18:2/20:3	0.3±0.1 >	0.2±0.0 <	0.4±0.1 =	0.3±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 >	0.5±0.3 =	0.2±0.2 =	0.2±0.1 =	0.2±0.1 >	+ <	0.2±0.1 =	0.1±0.0 <	0.2±0.0 >	
20:4/18:1	4.8±0.2 <	7.8±1.6 <	12.4±1.4 =	11.2±1.1 >	4.9±0.3 >	3.4±0.3 =	4.3±1.0 >	2.3±0.7 >	2.7±0.9 >	1.6±0.1 <	2.1±0.1 =	1.9±0.2 >	0.9±0.0 <	1.2±0.2 >	0.8±0.2 =	0.9±0.1 >	
18:0/20:5	0.2±0.1 =	0.3±0.2 =	0.3±0.2 =	0.3±0.2 =	0.2±0.1 =	0.2±0.0 <	0.4±0.1 <	0.5±0.0 <	0.9±0.2 =	0.7±0.0 =	0.6±0.1 =	0.5±0.2 =	0.3±0.2 <	1.0±0.1 =	0.8±0.2 =	1.0±0.0 =	
18:0/20:4	0.1±0.0 >	0.1±0.0 =	0.1±0.1 =	0.2±0.0 =	0.2±0.1 =	0.2±0.1 =	0.3±0.1 =	0.2±0.1 =	0.3±0.4 =	0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	0.2±0.1 =	0.2±0.1 =	0.2±0.1 <	0.3±0.1 =	
18:1/20:1	+ =	+ =	+ >	+ =	+ =	+ =	+ =	+ =	0.1±0.0 =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	
18:2/20:0	+ >	+ =	+ =	+ >	+ <	+ =	+ <	+ =	+ =	+ >	+ >	+ =	+ =	+ >	- <	+ =	
16:0/22:1	0.1±0.0 =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	- <	+ =	+ =	+ <	+ >	+ =	+ =	
18:1/20:0	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ =	0.1±0.0 =	+ >	+ =	+ =	+ =	+ =	+ =	+ >	
20:4/19:2	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.2±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.2±0.0 =	0.2±0.1 >	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 >	
20:4/19:1	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 >	+ =	+ =	+ =	+ >	0.1±0.1 =	0.2±0.2 >	+ =	+ =	+ =	+ >	+ <	0.1±0.0 =	
20:5/20:5	2.3±0.3 =	2.0±0.2 >	1.4±0.3 =	1.4±0.3 <	2.3±0.5 <	4.2±0.1 =	3.3±1.2 <	7.9±1.5 <	5.1±1.3 =	6.1±0.4 >	5.5±0.4 =	5.9±0.9 =	5.7±0.5 =	6.4±1.1 =	7.3±0.9 <	8.4±0.5 <	
20:5/20:4	1.0±0.3 >	0.3±0.2 =	+ =	0.1±0.1 =	0.1±0.1 =	+ <	0.2±0.1 =	0.3±0.1 >	1.2±0.6 >	0.3±0.3 =	0.3±0.3 =	0.3±0.1 =	0.1±0.2 =	0.2±0.1 =	0.3±0.2 =	0.2±0.3 >	
20:4/20:5	6.3±0.9 =	5.9±1.4 =	5.7±0.5 >	4.8±0.4 <	9.9±0.4 <	12.2±1.1 >	10.0±1.4 <	12.8±0.4 <	8.7±1.1 =	8.0±0.9 =	9.0±0.9 =	8.3±1.8 <	13.6±1.0 =	13.2±0.6 <	14.8±1.2 =	15.7±1.7 <	
20:5/20:3	1.7±0.4 >	0.5±0.2 >	0.1±0.0 =	0.2±0.2 =	0.3±0.1 <	0.5±0.2 =	0.6±0.1 >	0.2±0.1 >	0.9±0.6 =	0.3±0.3 =	0.3±0.0 =	0.3±0.1 =	0.2±0.1 =	0.3±0.1 =	0.2±0.1 =	0.2±0.1 >	
20:3/20:5	0.8±0.4 =	0.5±0.2 =	0.4±0.3 =	0.4±0.3 =	0.5±0.1 =	0.5±0.1 =	0.5±0.1 =	0.7±0.5 =	0.7±0.5 =	0.3±0.3 =	0.2±0.2 =	0.4±0.3 =	0.6±0.2 =	0.7±0.1 =	0.4±0.3 =	0.5±0.2 =	
20:4/20:4	5.8±0.9 =	4.8±0.3 <	7.6±0.7 =	6.8±1.0 <	9.5±0.5 >	6.9±1.1 =	7.7±2.2 >	4.8±1.0 =	4.0±0.3 >	3.0±0.2 <	3.9±0.3 =	4.2±1.0 <	7.6±0.2 =	6.8±1.4 =	5.9±0.4 =	6.0±0.4 <	
20:4/20:3	1.8±0.3 <	2.1±0.1 =	2.4±0.4 >	1.6±0.3 =	1.6±0.2 =	1.4±0.2 =	1.6±0.2 >	1.0±0.3 >	0.4±0.1 <	0.5±0.0 <	0.9±0.2 =	0.8±0.0 <	1.1±0.1 =	0.8±0.4 =	0.6±0.0 <	0.7±0.1 <	
20:4/20:2	0.6±0.4 =	0.3±0.1 >	0.1±0.0 =	0.2±0.2 =	0.2±0.0 >	0.1±0.0 >	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	
20:4/20:2	0.3±0.2 =	0.3±0.1 =	0.5±0.5 =	0.3±0.1 >	0.1±0.0 =	0.2±0.1 >	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.2 =	+ =	+ =	0.1±0.0 =	+ =	+ >	+ =	

Pl	Streblonema corymbiferum										Streblonema sp.									
	0	5	12	20	50	100	150	200	T	#	0	5	12	20	50	100	150	200		
14:0/18:1, 16:0/16:1	7.3±2.3 =	8.8±2.2 =	6.2±2.9 =	8.1±1.2 =	6.3±3.7 =	5.0±2.6 =	4.2±1.2 =	5.7±3.0 =			3.8±0.9 =	4.2±2.9 =	4.0±0.8 =	3.2±1.1 =	2.3±1.1 =	1.6±0.6 <	4.0±0.2 =	3.6±1.2		
16:0/18:4	1.7±0.9 =	1.3±0.3 >	0.7±0.5 =	1.1±0.6 =	1.1±0.1 =	1.0±1.1 =	1.2±1.1 =	1.2±0.8 =			1.3±0.9 =	0.4±0.1 =	0.5±0.1 >	0.2±0.1 <	0.5±0.1 =	0.2±0.0 =	0.5±0.2 #	1.3±0.0		
16:0/18:3	8.1±2.2 =	5.2±5.0 =	4.4±0.1 =	5.2±1.4 =	3.7±1.5 <	5.4±0.6 =	5.6±0.5 =	4.1±2.1 >			4.8±2.7 =	4.8±2.3 =	3.6±2.5 =	3.0±0.5 <	4.1±0.0 =	4.0±2.0 =	4.7±0.9 =	4.3±2.3		
16:0/18:2	12.9±4.9 =	10.5±2.9 =	9.1±1.8 =	7.3±2.9 <	10.6±1.5 =	10.4±1.1 =	9.6±0.8 =	8.3±1.4 =			18.1±1.5 =	18.9±3.1 =	15.2±2.4 =	16.8±0.5 =	16.2±1.6 =	18.0±1.8 >	14.9±1.2 =	12.2±2.7		
16:0/18:1	53.8±6.8 =	59.2±1.6 =	58.7±2.6 =	57.5±3.1 <	61.5±1.0 <	67.1±4.6 =	68.3±0.7 =	69.9±3.6 <			63.0±0.8 <	68.1±3.4 <	74.3±3.6 =	74.4±1.0 =	73.0±1.6 =	73.6±1.4 =	73.6±0.5 =	77.3±4.1		
16:0/18:0	7.9±2.7 =	7.4±1.7 <	10.3±1.8 >	5.7±1.2 >	3.0±0.8 <	4.7±0.8 =	3.3±2.7 =	2.8±1.6 >			1.3±0.9 =	0.7±0.4 =	0.5±0.2 =	0.4±0.2 =	0.3±0.1 =	0.3±0.0 =	0.2±0.1 =	0.4±0.4		
16:0/20:5	3.2±1.4 >	1.1±0.3 >	0.5±0.1 <	0.7±0.1 =	1.2±0.1 =	0.8±0.5 =	0.8±0.6 =	3.6±4.4 =			5.5±2.3 >	1.6±0.4 >	0.9±0.3 =	0.9±0.3 =	1.8±1.8 =	1.1±0.7 =	0.7±0.2 =	0.6±0.3		
18:3/18:0	1.3±0.5 >	0.4±0.2 =	0.9±0.7 =	0.3±0.1 =	0.6±0.5 =	0.2±0.0 <	0.8±0.4 =	1.4±1.3 =			2.3±0.0 >	0.7±0.4 >	0.2±0.0 =	0.2±0.1 <	0.4±0.1 =	0.5±0.3 =	0.5±0.2 =	0.7±0.1		
18:0/18:1	3.8±1.4 =	6.2±3.0 <	10.8±2.1 <	14.3±2.2 =	12.7±2.9 >	5.4±1.4 =	6.1±1.1 >	3.5±1.9 =			1.1±0.1 >	0.6±0.5 =	0.8±0.3 =	1.0±0.4 =	1.6±1.0 =	1.3±0.4 =	1.1±0.8 =	0.7±0.5		

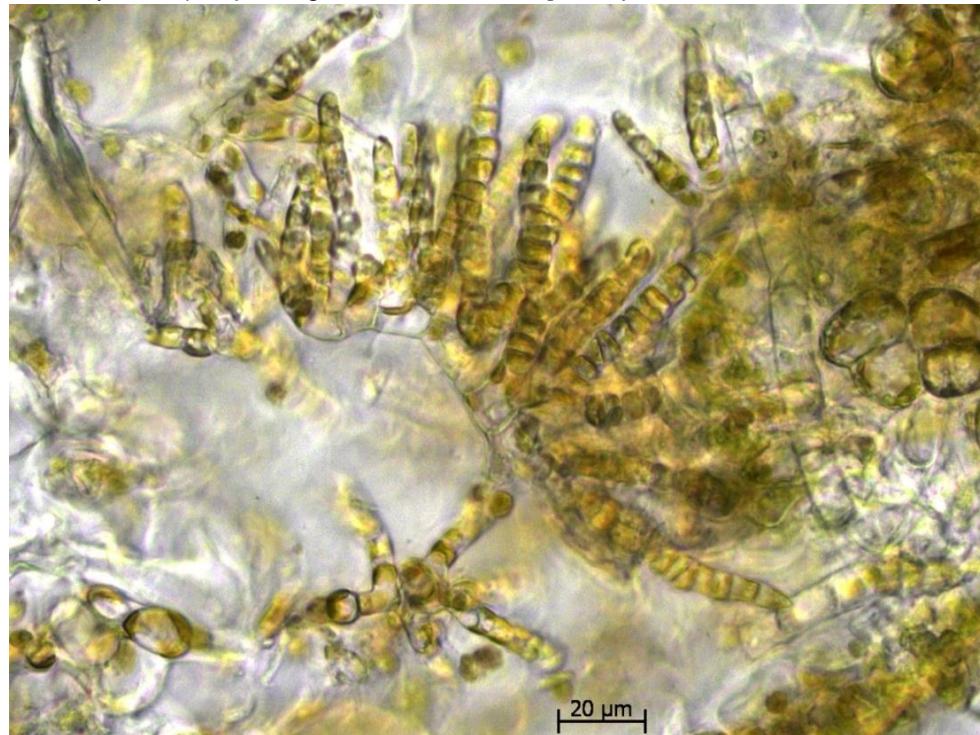
PHEG	<i>Streblonema corymbiferum</i>										<i>Streblonema</i> sp.									
	0	5	12	20	50	100	150	200	T	#	0	5	12	20	50	100	150	200	T	
20:5/20:5	0.7±0.2 =	0.7±0.5 =	0.2±0.1 =	0.3±0.2 =	0.3±0.1 =	0.2±0.2 =	0.2±0.2 =	0.7±0.5 =		0.6±0.3 <	1.7±0.7 =	1.2±0.2 =	1.3±0.3 >	0.6±0.4 =	0.9±0.4 <	1.4±0.2 >	0.3±0.1 =			
20:5/20:4	13.0±0.5 =	11.6±1.4 =	12.8±0.8 >	10.4±1.6 <	14.3±1.7 <	19.6±0.5 =	17.3±5.0 <	25.6±3.5 <		12.2±2.7 <	26.3±2.6 =	26.7±3.7 =	27.5±1.9 >	19.7±7.0 =	17.5±2.7 =	20.4±2.4 =	19.1±1.9 =			
20:4/20:4	86.6±0.8 =	87.7±0.9 =	87.0±0.7 <	89.3±1.8 >	85.4±1.8 >	80.2±0.7 =	82.5±5.1 >	73.7±3.8 >		87.2±2.6 >	72.1±2.8 =	72.1±3.9 =	71.3±2.2 <	79.7±7.5 =	81.6±2.9 =	78.2±2.3 =	80.5±1.7 =			

DGTS	<i>Strebblonema corymbiferum</i>										<i>Strebblonema</i> sp.									
	0	5	12	20	50	100	150	200	T	#	0	5	12	20	50	100	150	200		
14:0/14:0	0.1±0.1 =	+ =	+ =	+ <	0.1±0.0 >	+ =	+ <	+ =	+ <	0.1±0.0 =	+ =	+ =	0.1±0.1 =	+ =	0.1±0.0 =	+ =	0.1±0.1 =			
14:0/16:1	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.2±0.1 =	0.3±0.1 =	0.2±0.0 =	0.4±0.3 =	0.6±0.1 <	+ =	+ <	0.1±0.1 =	0.2±0.0 =	0.3±0.2 =	0.2±0.2 =	0.3±0.2 =	0.4±0.2				
15:0/15:0	0.4±0.1 >	0.2±0.1 >	0.1±0.0 =	0.2±0.1 <	4.2±0.6 =	3.2±0.9 =	3.5±1.7 =	4.0±1.0 <	0.1±0.0 <	0.1±0.0 <	0.3±0.1 =	0.3±0.2 =	0.6±0.4 =	0.6±0.3 <	1.4±0.7 >	0.6±0.2				
14:0/16:0	0.2±0.1 >	0.1±0.0 =	0.1±0.1 =	0.1±0.1 <	0.2±0.1 =	0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	0.1±0.1 =	0.2±0.1 =	0.2±0.0 =	0.2±0.1 =	0.4±0.3 =	0.3±0.3 =	0.3±0.1 =	0.2±0.1				
15:0/16:0	0.1±0.1 =	0.2±0.0 =	0.1±0.1 =	0.2±0.2 <	1.3±0.2 <	1.8±0.4 =	2.2±0.8 =	1.6±0.9 <	+ =	0.1±0.1 =	0.3±0.0 =	0.3±0.3 =	0.2±0.1 =	0.3±0.1 =	0.4±0.3 =	0.3±0.2				
14:0/18:3	0.1±0.0 =	0.1±0.0 =	+ =	+ =	+ =	+ =	+ =	+ >	+ =	+ <	0.1±0.0 =	0.1±0.1 =	+ =	+ =	+ =	+ =	+ =	+ =		
16:1/16:1	0.5±0.1 >	0.3±0.1 =	0.2±0.1 =	0.3±0.2 =	0.3±0.2 =	0.2±0.1 =	0.2±0.1 =	0.2±0.1 >	0.1±0.0 =	0.1±0.1 <	0.3±0.0 =	0.3±0.1 =	0.3±0.1 =	0.2±0.2 =	0.3±0.1 =	0.4±0.0				
14:0/18:1	0.7±0.8 =	0.4±0.2 =	0.5±0.3 =	0.5±0.5 =	0.8±0.3 =	1.1±0.5 =	0.7±0.3 =	1.0±0.6 =	1.9±0.7 =	2.6±0.3 =	2.9±0.6 =	2.7±0.3 =	2.6±1.9 =	2.1±1.3 =	2.1±0.6 =	2.6±0.5				
16:1/16:0	0.9±0.5 =	0.4±0.4 =	0.3±0.2 =	0.2±0.3 =	0.6±0.3 =	0.4±0.1 =	0.8±0.4 =	0.7±0.4 =	0.7±0.5 =	0.3±0.1 <	0.5±0.2 =	0.8±0.5 =	1.7±1.4 =	1.1±1.4 =	1.9±1.9 =	0.5±0.3				
15:0/17:0	+ =	+ =	+ >	+ >	+ =	+ =	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ <	0.1±0.0			
16:0/16:0	0.5±0.2 =	0.5±0.4 =	0.3±0.1 >	0.1±0.1 =	0.2±0.1 =	0.2±0.1 =	0.2±0.1 =	0.2±0.0 >	0.5±0.1 =	0.4±0.4 =	0.6±0.2 =	0.5±0.2 =	0.5±0.2 =	0.4±0.1 =	0.5±0.1 =	0.4±0.0				
15:1/18:1	0.2±0.0 =	0.2±0.2 =	0.1±0.1 =	+ <	0.1±0.0 =	+ =	+ >	+ >	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.0 =	0.1±0.0 =	0.1±0.0			
17:1/16:1	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	+ =	+ =	+ =	+ =	+ >	+ =	+ <	+ >	+ <	+ =	+ =	+ =	+ <	+ =			
15:0/18:1	0.1±0.1 =	0.1±0.1 =	0.2±0.1 =	+ <	0.2±0.1 =	0.2±0.1 =	0.3±0.1 =	0.2±0.1 =	0.1±0.1 =	+ =	+ =	+ =	0.2±0.1 >	+ =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =			
17:1/16:0	0.1±0.0 =	0.1±0.1 <	0.2±0.0 >	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 <	0.1±0.0 >	0.1±0.1 =	0.1±0.1 =	0.3±0.2 =	0.3±0.2 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =			

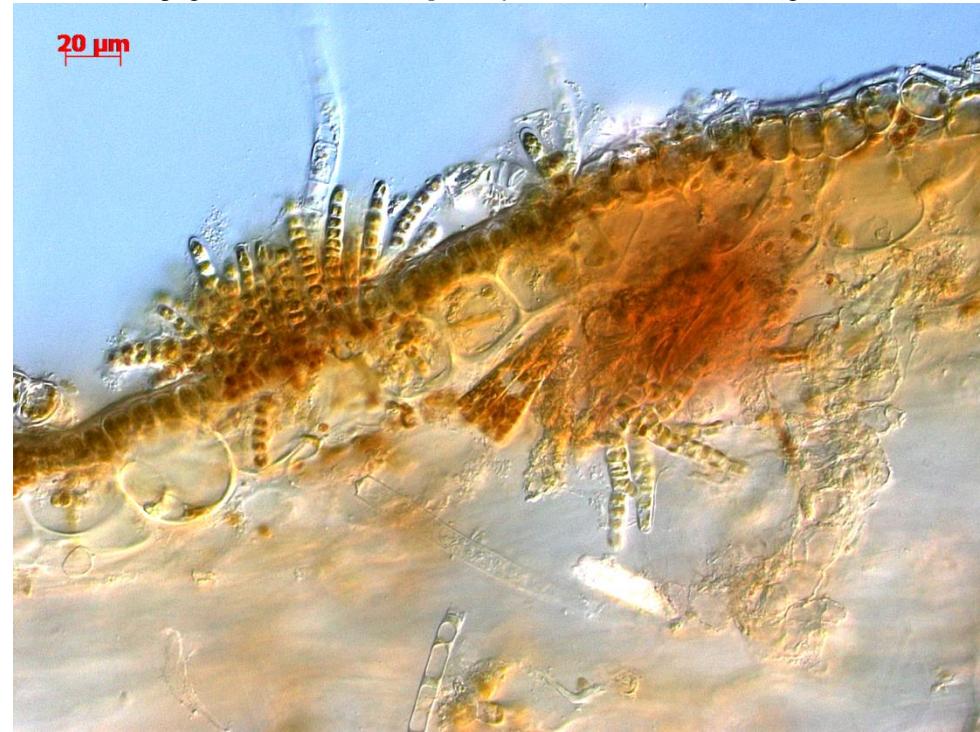
16:1/18:4	0.1±0.0 >	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >
18:3/16:1	0.1±0.1 =	+ >	- <	+ =	+ =	+ =	+ =	+ >	- <	+ <	0.1±0.0 =	0.1±0.0 =	+ =	+ =	+ =	+ =	+ =	+ <
16:2/18:2	0.1±0.1 =	+ =	0.1±0.1 =	+ =	+ =	+ >	+ =	+ =	+ >	+ <	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =
18:4/16:0	0.4±0.3 =	0.2±0.1 =	0.1±0.0 =	+ =	+ =	+ >	+ =	+ >	+ >	+ =	0.1±0.1 =	+ =	+ =	+ =	+ =	+ =	+ =	+ >
16:1/18:2	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 =	+ <	0.1±0.1 =	+ =	0.1±0.0 =	+ =	+ =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 <	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 <	
18:3/16:0	0.2±0.3 =	0.1±0.1 =	0.2±0.2 =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.1 =	+ =	+ =	+ =	+ =	+ =	+ =	+ =
18:3/16:0	0.2±0.2 =	0.1±0.1 =	0.1±0.0 >	+ =	+ =	+ =	+ =	+ =	+ >	+ =	+ =	0.1±0.1 =	+ =	+ =	+ =	+ =	+ =	+ >
16:1/18:1	0.5±0.3 =	0.6±0.3 =	0.9±0.3 =	0.7±0.6 =	0.5±0.2 =	0.4±0.1 =	0.6±0.3 =	0.7±0.4 =	0.2±0.1 <	0.3±0.1 =	0.2±0.2 =	0.3±0.1 =	0.3±0.2 =	0.3±0.2 <	0.6±0.2 =	0.8±0.2 <		
18:2/16:0	0.5±0.4 =	0.4±0.1 =	0.5±0.2 =	0.4±0.1 <	0.6±0.1 =	0.6±0.4 =	0.5±0.2 =	0.4±0.0 =	1.3±0.6 =	1.2±0.3 =	1.0±0.2 <	2.3±0.7 =	1.9±1.4 =	2.3±0.6 =	1.6±1.0 <	2.7±0.3 <		
16:0/18:1	3.6±0.4 =	3.3±0.3 >	2.6±0.2 =	2.6±0.3 =	2.3±0.2 =	2.7±0.4 =	2.4±0.3 =	2.7±0.3 >	3.8±0.4 =	3.9±0.3 =	3.9±0.2 <	4.3±0.4 <	4.9±0.1 =	4.7±0.7 =	4.4±0.2 =	4.3±0.4 =		
18:0/16:0	0.4±0.2 =	0.4±0.1 =	0.4±0.1 >	0.2±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.2±0.1 >	0.3±0.1 =	0.3±0.1 =	0.3±0.1 =	0.2±0.0 <	0.3±0.1 =	0.2±0.1 =	0.1±0.1 =	0.1±0.0 >		
17:1/18:1	0.2±0.0 >	+ =	0.1±0.0 =	+ =	0.1±0.0 =	+ =	0.1±0.0 =	+ >	+ =	+ =	+ =	+ =	0.2±0.1 =	0.1±0.1 =	0.1±0.1 =	0.1±0.1 =	+ =	
17:0/18:1	0.2±0.1 =	0.5±0.4 =	0.1±0.0 =	0.2±0.2 =	0.1±0.0 =	0.1±0.0 =	0.1±0.1 <	0.3±0.2 =	0.2±0.1 >	0.1±0.0 =	0.1±0.1 =	0.1±0.0 =	0.1±0.1 =	0.2±0.1 =	0.2±0.0 <	0.4±0.0 <		
18:3/18:3	0.1±0.0 >	- <	+ =	0.1±0.0 >	+ =	+ =	+ =	+ >	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	
18:2/18:4	0.1±0.0 =	0.1±0.0 >	+ <	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 >	+ =	+ =	+ <	0.2±0.1 =	0.3±0.1 >	0.1±0.1 =	0.1±0.1 =	+ =	+ =	0.1±0.1 =	
16:1/20:5	+ =	+ =	0.1±0.0 =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ <	+ =	+ =	+ =	+ =	
18:2/18:3	+ =	+ <	0.1±0.0 >	+ =	+ =	+ =	+ =	+ >	+ =	+ =	+ =	+ =	0.1±0.0 =	+ =	+ =	+ =	+ =	
18:4/18:1	0.2±0.2 =	+ =	+ =	0.1±0.1 =	+ =	+ =	+ =	+ =	+ =	+ <	0.1±0.0 >	+ =	+ =	+ =	+ =	+ =	+ =	
18:2/18:2	0.2±0.1 =	0.1±0.1 =	0.3±0.4 =	0.2±0.1 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 >	0.1±0.0 <	0.3±0.1 =	0.3±0.1 =	0.3±0.2 =	0.1±0.1 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 >	
18:1/18:2	14.7±0.7 =	14.8±0.6 =	15.7±4.2 =	12.7±1.4 =	11.6±0.7 =	11.4±1.2 =	10.1±1.6 <	12.3±0.8 >	18.9±0.8 =	19.7±0.9 <	21.4±1.0 =	21.4±1.9 >	12.0±0.6 =	11.8±1.2 =	11.5±0.8 <	12.7±0.5 >		
18:1/18:1	38.8±2.3 =	41.6±3.0 <	49.9±4.3 <	55.7±3.2 <	60.7±3.1 =	61.0±1.9 =	61.6±5.9 =	61.4±2.8 <	43.7±1.1 >	42.1±1.0 <	46.5±1.7 >	44.4±0.8 <	63.8±2.9 =	67.9±3.1 =	67.9±2.9 =	68.7±2.0 <		
16:0/20:1,	24.6±1.8 =	24.1±3.2 >	15.5±2.5 =	15.7±0.9 >	9.2±0.7 =	8.4±1.0 =	8.8±0.8 >	6.2±0.7 >	23.6±1.4 =	23.5±1.3 >	16.5±1.9 =	16.6±3.7 >	6.9±1.2 =	5.0±1.5 =	3.9±0.6 >	2.6±0.4 >		
18:1/18:0	0.1±0.1 =	0.1±0.0 =	+ =	0.1±0.0 >	+ =	+ =	+ =	+ >	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	0.1±0.0 =	+ =	+ =	0.1±0.1 =		
18:1/19:1	3.9±1.2 =	4.4±0.4 =	5.3±1.0 =	4.5±0.9 >	3.2±0.8 <	4.7±0.7 =	4.1±2.1 =	4.6±0.9 =	0.4±0.1 >	0.3±0.1 <	1.1±0.1 =	1.0±0.9 =	0.5±0.2 =	0.5±0.3 =	0.7±0.1 =	0.7±0.1 <		
19:1/18:1	1.0±0.2 =	1.0±0.2 =	0.9±0.2 =	0.8±0.2 =	0.7±0.2 =	0.5±0.2 =	0.6±0.2 =	0.6±0.1 >	0.1±0.0 =	0.2±0.1 =	0.1±0.0 =	0.2±0.1 =	0.3±0.1 =	0.3±0.1 =	0.5±0.1 =	0.4±0.1 <		
18:3/20:3	+ =	0.1±0.1 =	0.2±0.3 =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ =	+ >	+ >	
18:1/20:5	0.1±0.0 =	0.1±0.1 =	0.1±0.1 =	0.1±0.0 >	+ =	+ =	+ =	+ =	+ =	+ =	0.1±0.1 =	+ =	+ =	+ =	+ =	+ =	+ =	
16:0/22:6	0.1±0.0 =	+ =	0.1±0.0 =	+ =	+ =	0.1±0.0 >	+ =	+ >	+ =	+ =	+ =	+ =	+ <	0.1±0.0 >	+ =	+ <	+ <	
18:1/20:1	4.3±0.8 =	4.5±0.5 >	3.9±0.2 >	3.2±0.3 >	1.9±0.3 >	1.4±0.2 =	1.6±0.3 >	1.0±0.1 >	2.7±0.2 =	2.7±0.2 >	1.7±0.1 =	1.7±0.4 >	0.7±0.2 >	0.3±0.0 =	0.4±0.1 >	0.2±0.1 >		
18:1/20:0	1.3±0.3 =	0.8±0.4 =	0.4±0.3 =	0.5±0.1 >	0.1±0.1 =	0.2±0.1 =	0.2±0.1 >	0.1±0.0 >	0.9±0.3 =	0.9±0.2 >	0.4±0.2 =	0.6±0.3 >	0.1±0.1 =	+ =	0.1±0.0 =	+ >		

Figure S1. Identification of the endophytic algae *Streblonema corymbiferum* and *Streblonema* sp.

Streblonema corymbiferum grown inside *Undaria pinnatifida*



Streblonema sp. grown inside *Undaria pinnatifida* shares features of the genus



To identify the endophytes we observe their morphology in free-living culture and inside the host (*Undaria pinnatifida*). The obtaining and maintenance of free-living cultures is described in the Materials and Methods section (see Section 4.1). The blade's discs of *Undaria pinnatifida* (Laminariales, Ochrophyta) were infected with *Streblonema* sp. and *S. corymbiferum* separately. Undaria was collected in February of 2016 in Sobol Bay (Sea of Japan). Blades without visible signs of endophytic infection (such as darker spots, deformation and perforations) were selected. Fragments of middle part of the blades were cut, washed with sterilized seawater using a brush. Then, cross-sections were made in different parts of fragments to check for the presence of endophytic algae. The cross-sections were inspected under AxioVert 2000 microscope. Fragments without endophytes were chosen. Discs 3 cm in diameter were prepared using a cork drill. The discs were placed in the 100 mL glasses separately. The suspension of free-living cultures of endophytic algae were added. After one week cross-sections were made from margin of the

discs and were checked under microscope. Discs infected with endophytes were cultured during one month under conditions described in section 4.1. When endophyte became well-developed and form dark spots on discs, cross-sections were made and checked. Endophytes were identified using descriptions of filamentous ectocarpalean algae [1-6].

Both species shared all the features of the species: deeply penetrating into the host's tissue curved uniserial filaments of cells of irregular shape, 3–5 µm wide, single band-shaped chloroplast without pyrenoid, uniserial cylindrical plurangia. In *Streblonema corymbiferum* endophytic filaments were crowded or corymbous branched, plurangia formed dense corymbous clusters near the host surface, which were characteristic of the species. The name *Streblonema* sp. was used in the present study because to date, due to the complexity of specific morphological features, this alga has not been certainly assigned to any of the described species of the genus. Plurangia of the species never formed corymbous clusters, they were unbranched and growed solitary from cells of creaping filaments.

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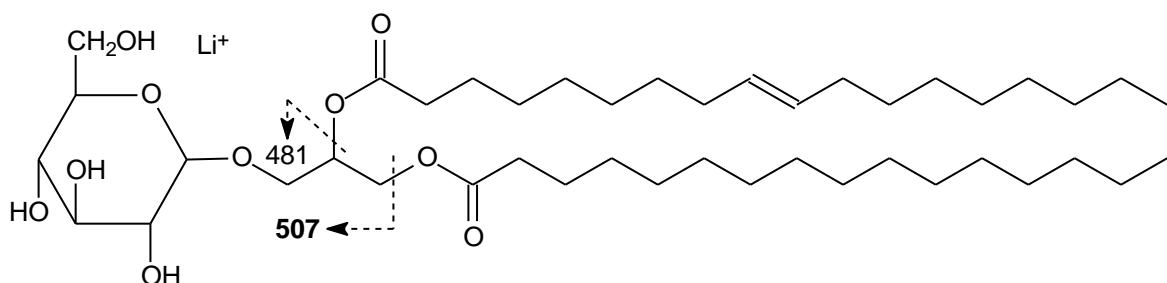
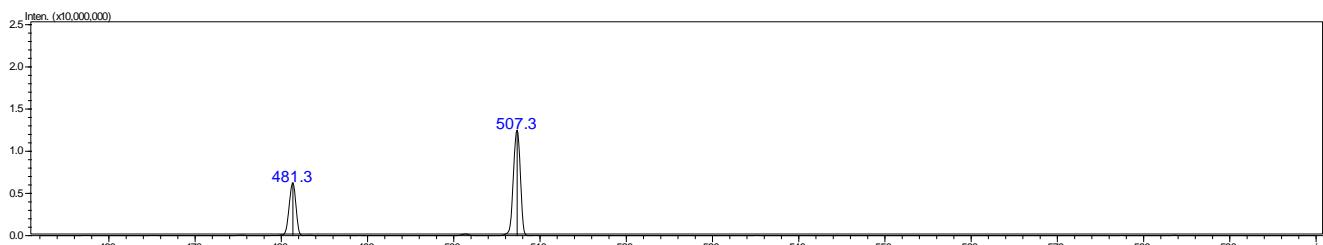
Table S3. MS parameters for polar lipids molecular species quantification and identification.

Lipid class	Quntitation parameters				Identification parameters			Ref.
	Precursor ion	Lipid class specific fragmentation reaction	Collision energy, V	Scan range, m/z	Precursor ion	Collision energy, V	Most abundant characteristic fragment	
MGDG	[M+NH ₄] ⁺	Loss of 179.1	18	454-918	[M+Li] ⁺	37	FA loss at sn-1	[46]
DGDG	[M+NH ₄] ⁺	Loss of 341.1	21	616-1080	[M+Li] ⁺	46	FA loss at sn-1	[46]
SQDG	[M+NH ₄] ⁺	Loss of 261.1	32	518-982	[M-H] ⁻	50	FA loss at sn-1	[47]
GlcADG	[M+NH ₄] ⁺	Loss of 211.1	22	468-932	[M-H] ⁻	36	[FA-H] ^{-*}	-
PG	[M+NH ₄] ⁺	Loss of 189.0	25	446-910	[M-H] ⁻	40	[FA-H] ⁻ from sn-2	[48, 49]
PI	[M-H] ⁻	Product 241.0	44	515-979	[M-H] ⁻	40	FA loss at sn-2, [FA-H] ⁻ from sn-1	[48, 49]
PHEG	[M+H] ⁺	Loss of 199.0	26	456-920	[M+H] ⁺	32	[FA+C ₃ H ₅ O] ^{++*}	-
PE	[M+H] ⁺	Loss of 141.0	24	398-862	[M-H] ⁻	35	[FA-H] ⁻ from sn-2, keten loss at sn-2	[48, 49]
PC	[M+H] ⁺	Product 184.1	33	440-904	[M+Li] ⁺	40	FA+N(CH ₃) ₃ loss at sn-1	[49]
DGTS	[M+H] ⁺	Product 236.1	50	418-882	[M+H] ⁺	35	Keten loss at sn-1	[50]

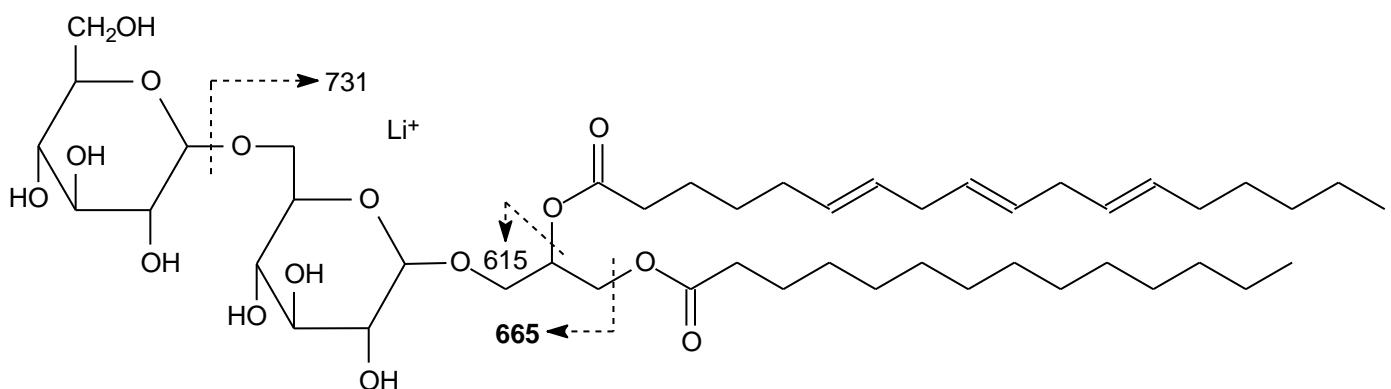
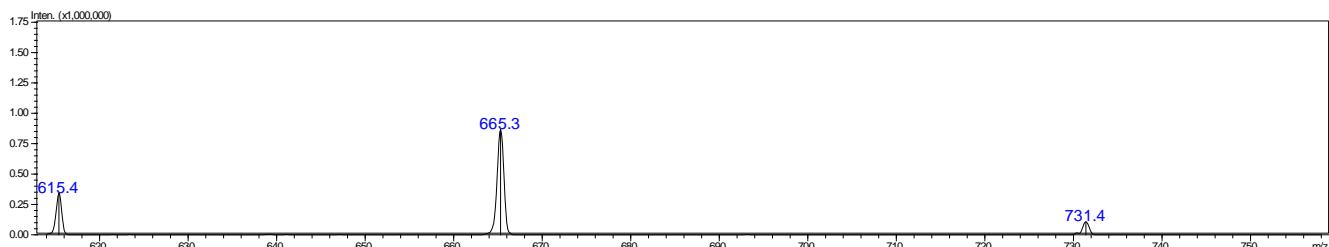
*sn-positions of acyl chains for GlcADG and PHEG have not been determined.

Figure S2. Mass-spectra and MS/MS fragmentation schemes of polar lipid classes.

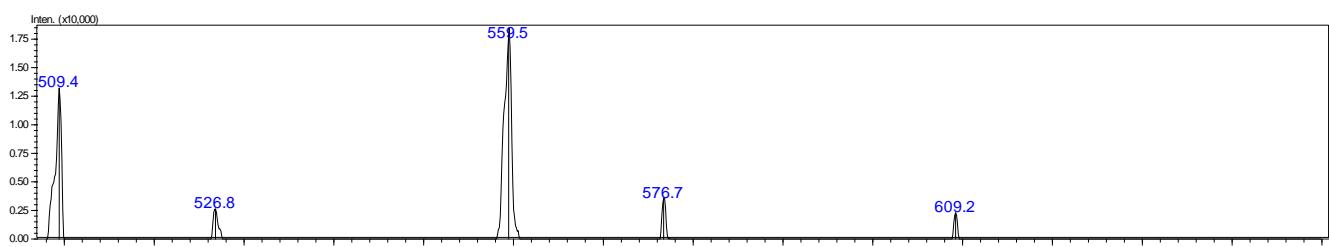
MGDG 16:0/18:1, precursor ion $[M+Li]^+$, m/z 763.6

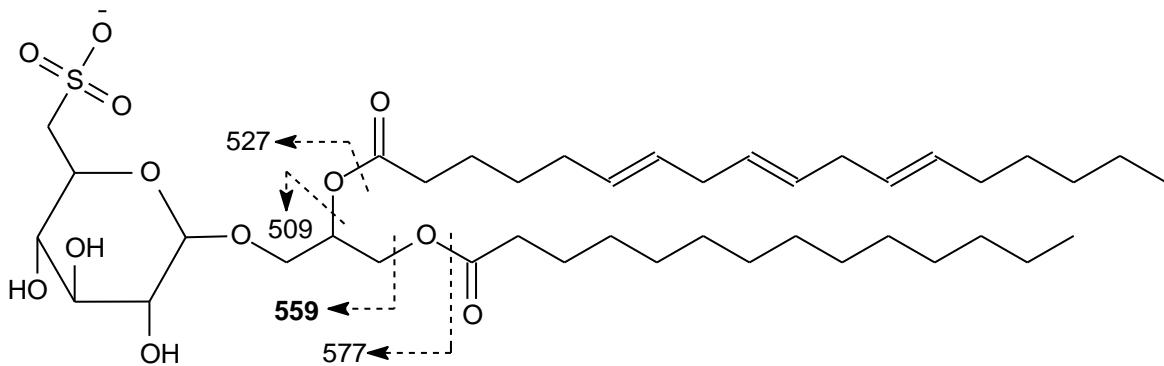


DGDG 14:0/18:3, precursor ion $[M+Li]^+$, m/z 893.6

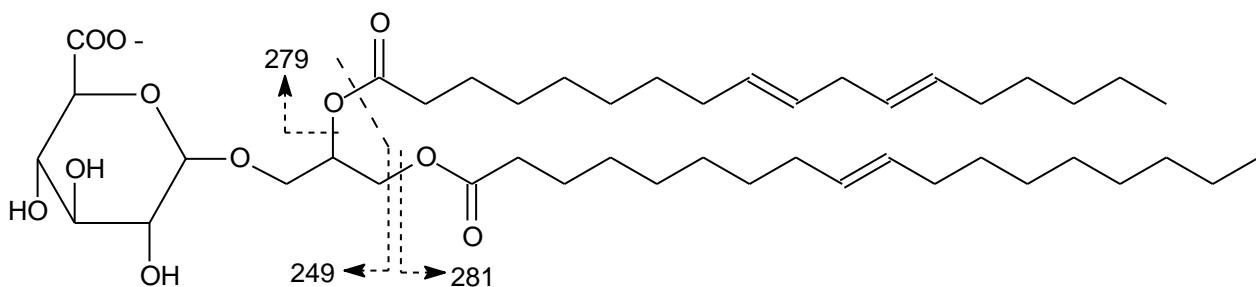
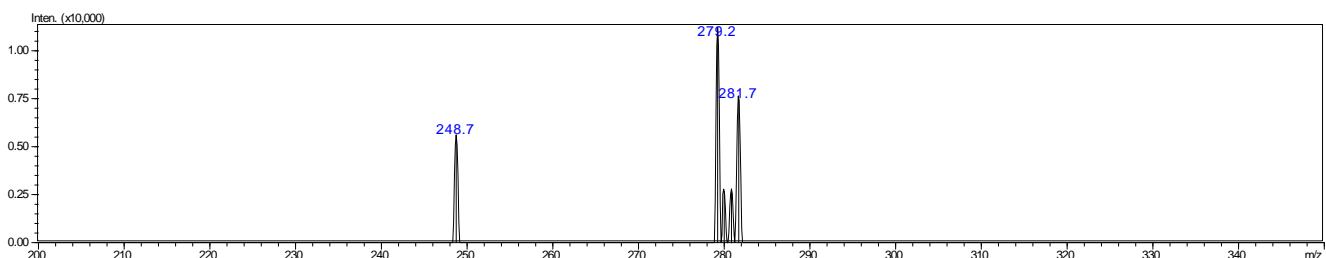


SQDG 14:0/18:3, precursor ion $[M-H]^-$, m/z 787.5

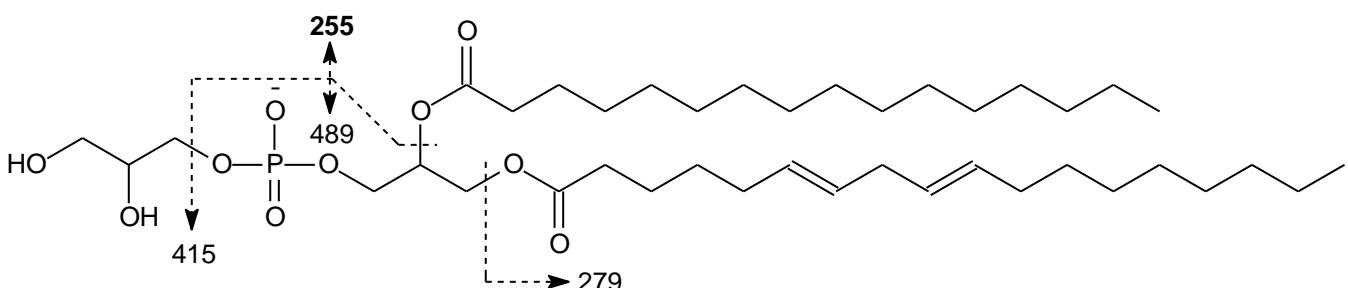
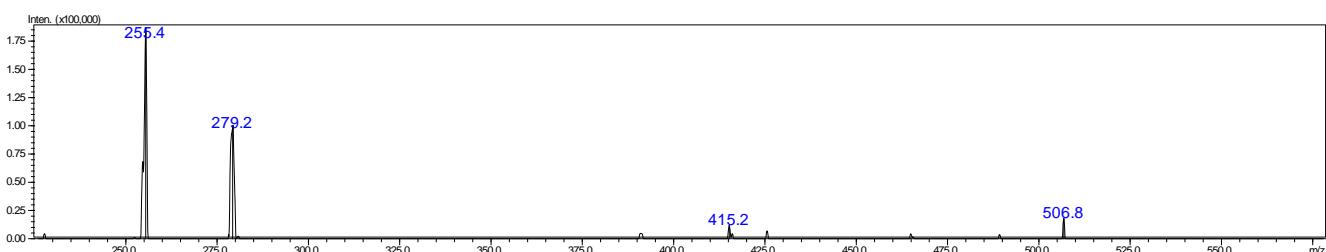




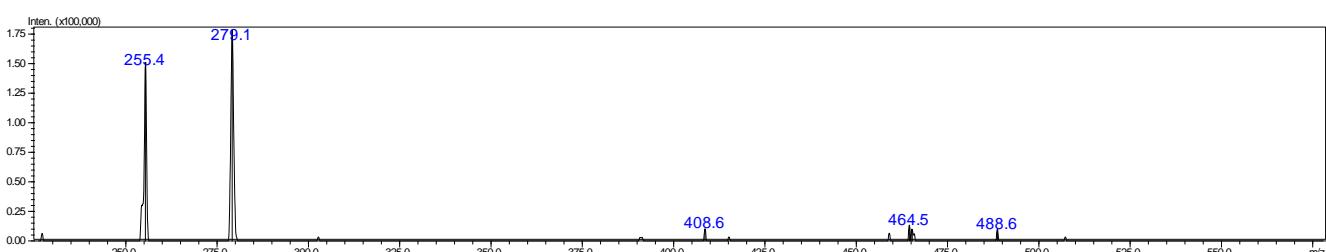
GlcADG 18:1/18:2, precursor ion $[M-H]^-$, m/z 793.5 *(sn-position of acyl chains have not been determined)

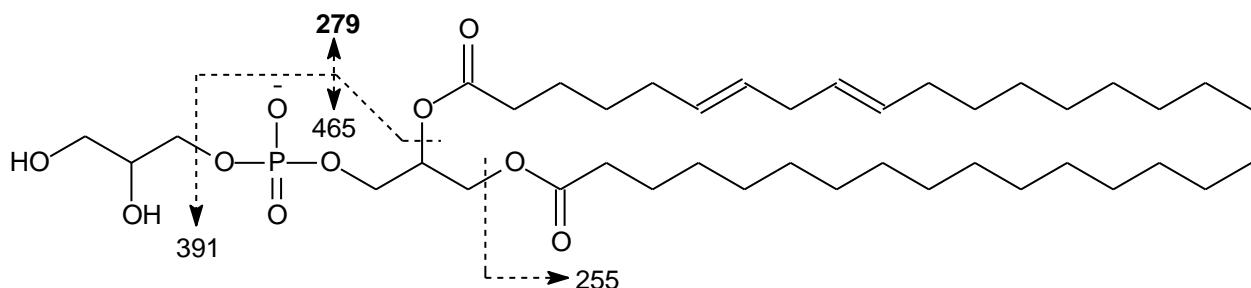


PG 18:2/16:0, precursor ion $[M-H]^-$, m/z 745.5

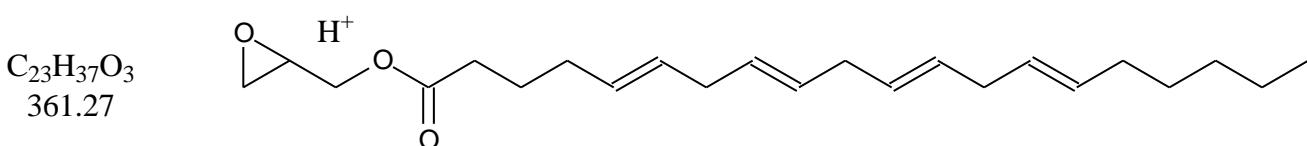
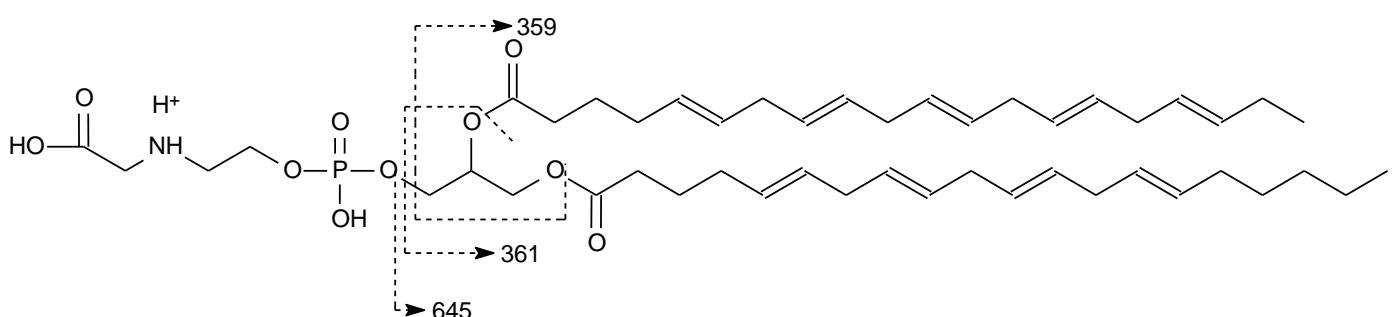
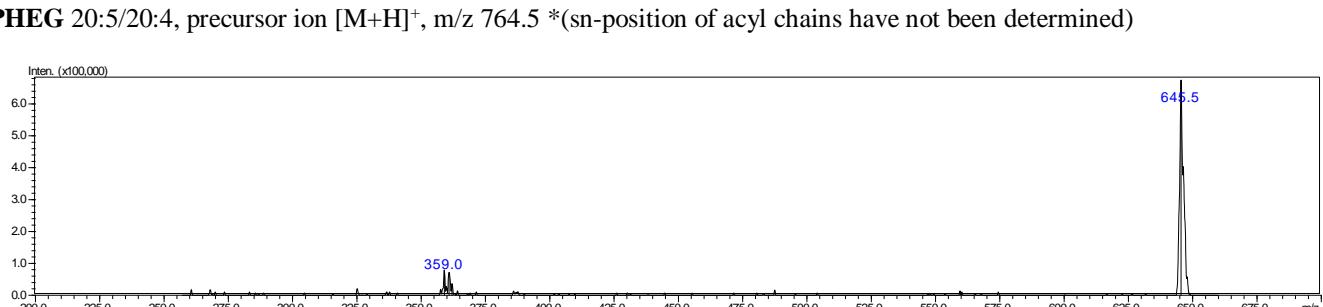
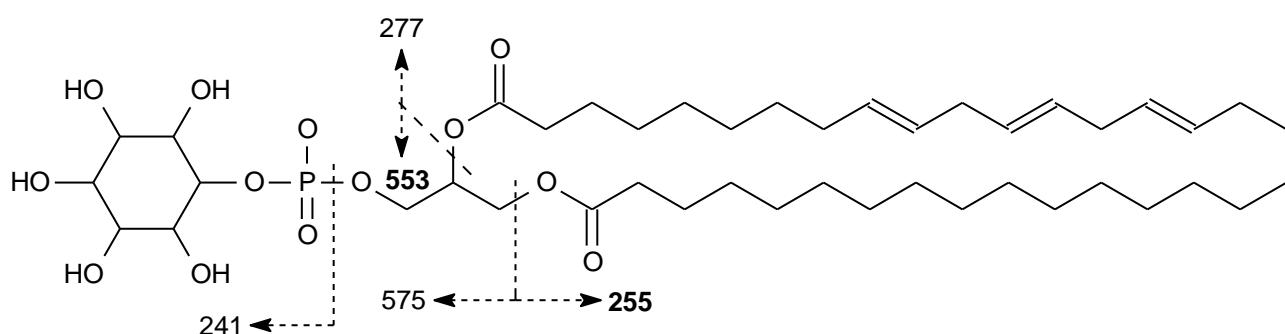
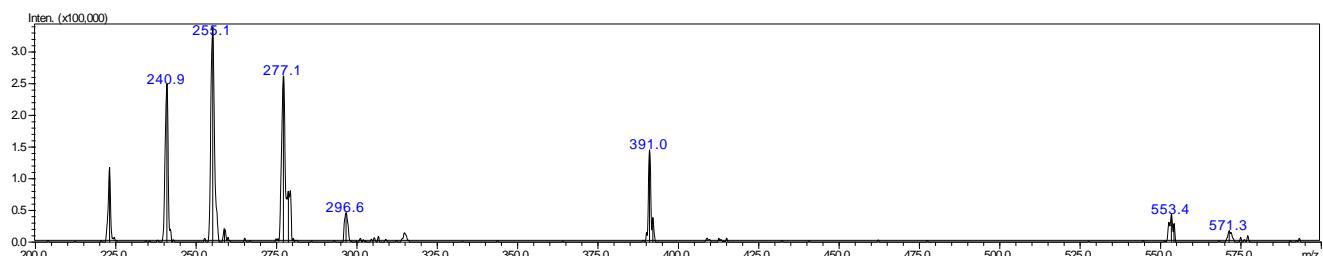


PG 16:0/18:2, precursor ion $[M-H]^-$, m/z 745.5

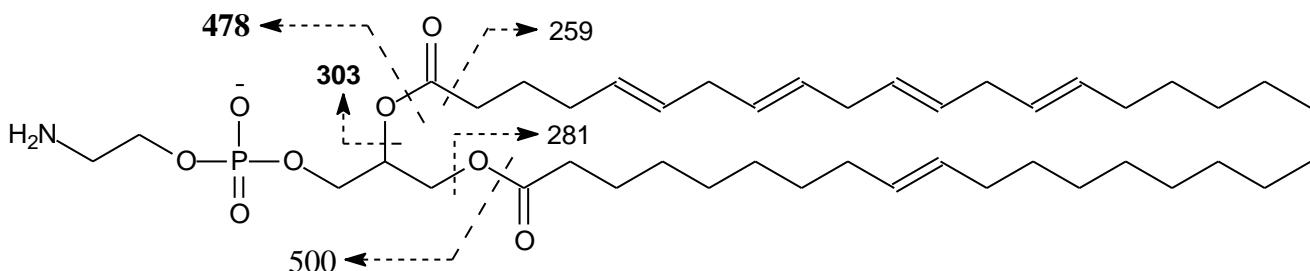
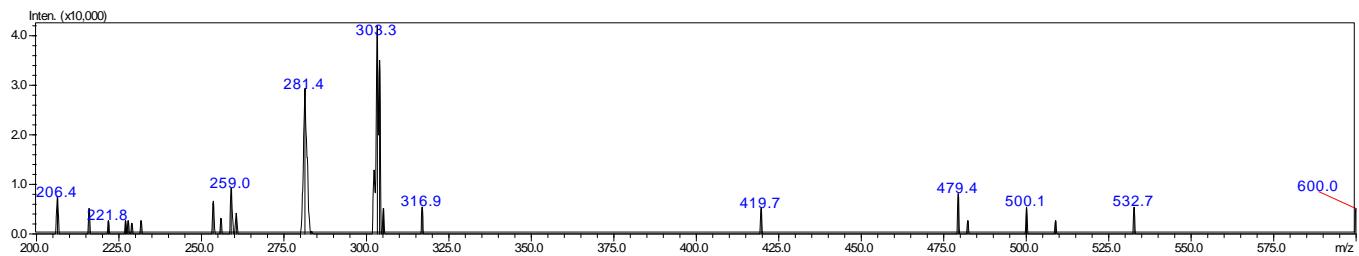




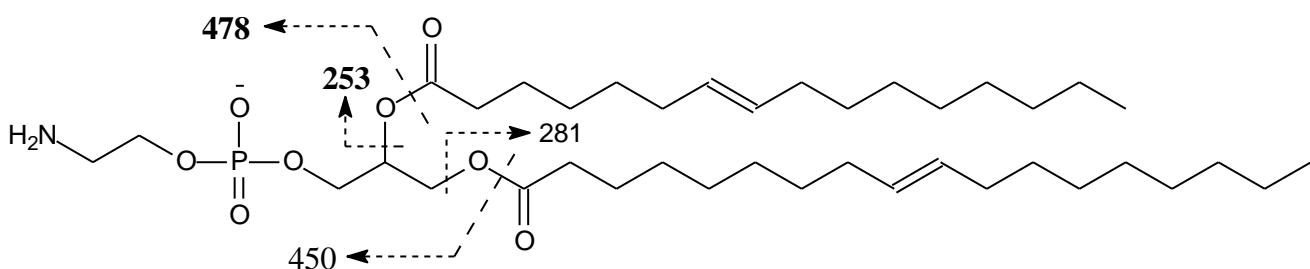
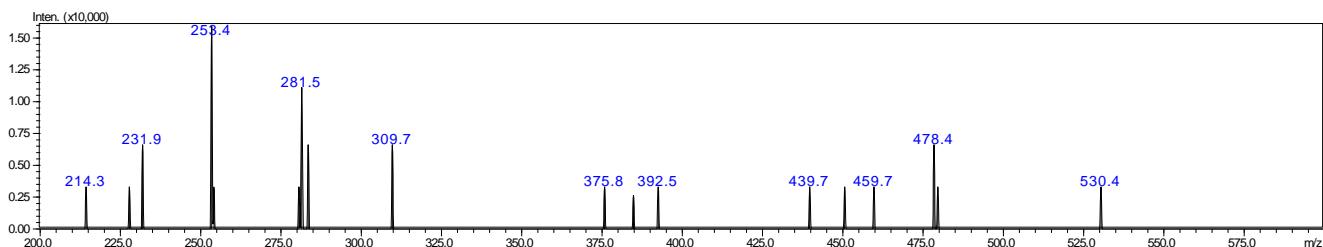
PI 16:0/18:3, precursor ion $[M-H]^-$, m/z 831.5



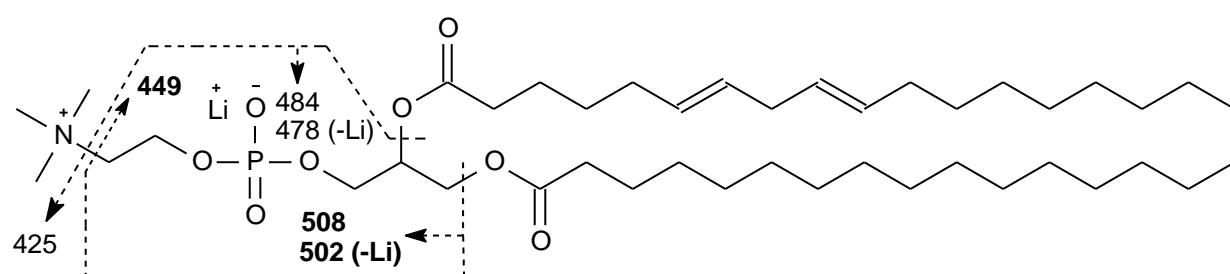
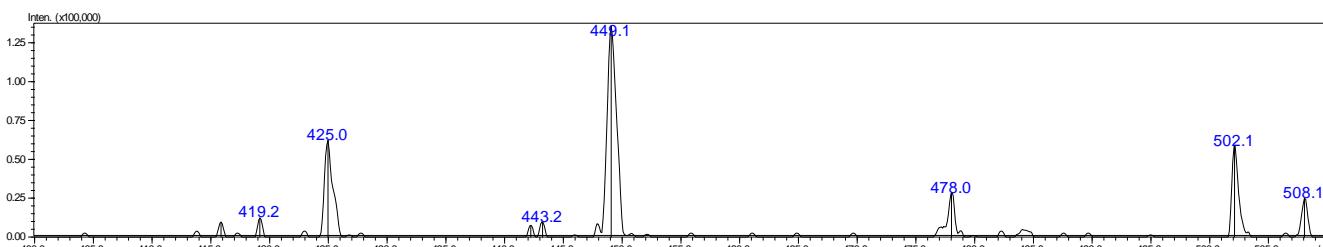
PE 18:1/20:4, precursor ion $[M-H]^-$, m/z 764.5

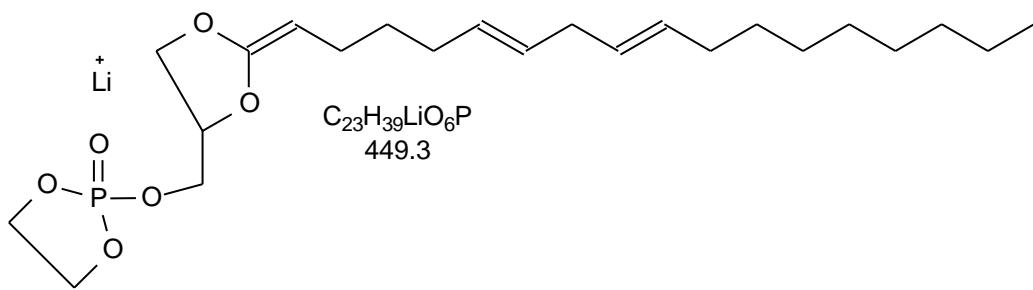


PE 18:1/16:1, precursor ion $[M-H]^-$, m/z 714.5



PC 16:0/18:2, precursor ion $[M+Li]^+$, m/z 764.6





DGTS 18:1/19:1, precursor ion $[M+H]^+$, m/z 778.7

