Table S1. Concentrations of 13-OH-C30 FA, LCDs, and LCAs in µg per g dry weight biomass (DB) during the different experiments carried out at different light regimes[a].

Low Light (LL)[b]				
Condition	Time point	13-OH-C_{30} HFA (µg g^{-1} DB[c])	LCDs (µg g^{-1} DB[c])	LCAs (µg g^{-1} DB[c])
Light/Dark	0	n.d.	1700 ± 160	870 ± 70
	1	**84 ± 21**	2000 ± 250	**720 ± 30**
	2	n.d.	1700 ± 370	880 ± 150
36h Dark	0	n.d.	1700 ± 160	870 ± 70
	1	n.d.	1500 ± 160	**650 ± 100**
	2	n.d.	1800 ± 300	850 ± 160

Standard Light (SL)[d]				
Condition	Time	13-OH-C_{30} HFA (µg g^{-1} DB[c])	LCDs (µg g^{-1} DB[c])	LCAs (µg g^{-1} DB[c])
Light/Dark	0	290 ± 37	1700 ± 120	1300 ± 190
	1	**670 ± 61**	1500 ± 140	**500 ± 76**
	2	**200 ± 37**	**2800 ± 270**	**1270 ± 100**
36h Dark	0	290 ± 37	1700 ± 120	1300 ± 190
	1	**120 ± 39**	**2260 ± 95**	1100 ± 150
	2	**23 ± 6**	2000 ± 320	920 ± 130

High Light (HL)[e]				
Condition	Time	13-OH-C_{30} HFA (µg g^{-1} DB[c])	LCDs (µg g^{-1} DB[c])	LCAs (µg g^{-1} DB[c])
Light/Dark	0	280 ± 90	1800 ± 230	1000 ± 260
	1	**660 ± 47**	**1300 ± 81**	580 ± 65
	2	**350 ± 17**	**2100 ± 97**	**1100 ± 93**
36h Dark	0	280 ± 90	1800 ± 230	1000 ± 260
	1	200 ± 42	1700 ± 370	780 ± 150
	2	**43 ± 20**	**2500 ± 320**	**1200 ± 190**

[a] Values are reported as mean of three replicates. For each light intensity, statistical analysis was performed comparing each time point with its preceding using Student's t-test. Bold values denote statistical significance at the *p*-value < 0.05 level. [b] 25 µE m^{-2} s^{-1}. [c] Dried biomass. [d] 150 µE m^{-2} s^{-1}. [e] 400 µE m^{-2} s^{-1}