Supplement of Biogeosciences, 14, 5693–5704, 2017
https://doi.org/10.5194/bg-14-5693-2017-supplement

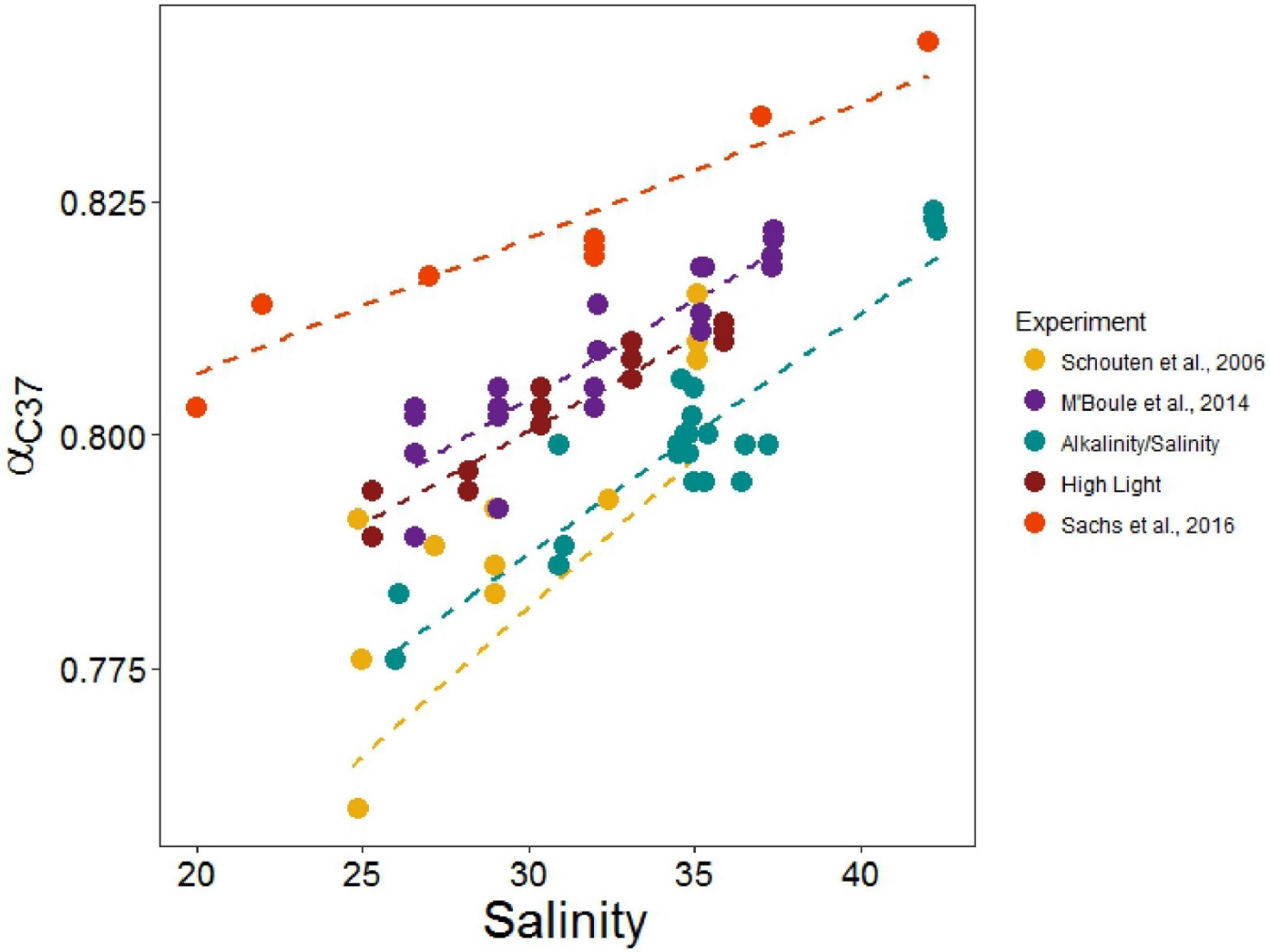
Biogeosciences Open Access EGU

Supplement of

Effects of alkalinity and salinity at low and high light intensity on hydrogen isotope fractionation of long-chain alkenones produced by *Emiliania huxleyi*

Gabriella M. Weiss et al.

Correspondence to: Gabriella M. Weiss (gabriella.weiss@nioz.nl)



Supplementary Figure 1 shows the hydrogen isotope fractionation factor α_{C37}-salinity relationship for cultures growing different strains of *Emiliania huxleyi* used in the statistical comparison. Dotted lines represent the linear regression model applied to the α_{C37}-salinity relationship for each individual experiment.

Supplementary Table 1: Analysis of covariance data for comparison of the α_{C37}-salinity relationships between different culture studies of *Emiliania huxleyi*.

Analysis of Covariance (ANCOVA)	
Experiments	Significance
Schouten vs. M'Boule	0.05
Schouten vs. Alkalinity/Salinity	0.19
Schouten vs. High Light	0.05
Schouten vs. Sachs	**0.01**
M'Boule vs. Alkalinity/Salinity	0.19
M'Boule vs. High Light	0.73
M'Boule vs. Sachs	**0.05**
Alkalinity/Salinity vs. High Ligh	0.12
Alkalinity/Salinity vs. Sachs	**0.00**
High Light vs. Sachs	0.07
ALL	**0.00**