

Supplemental Figures

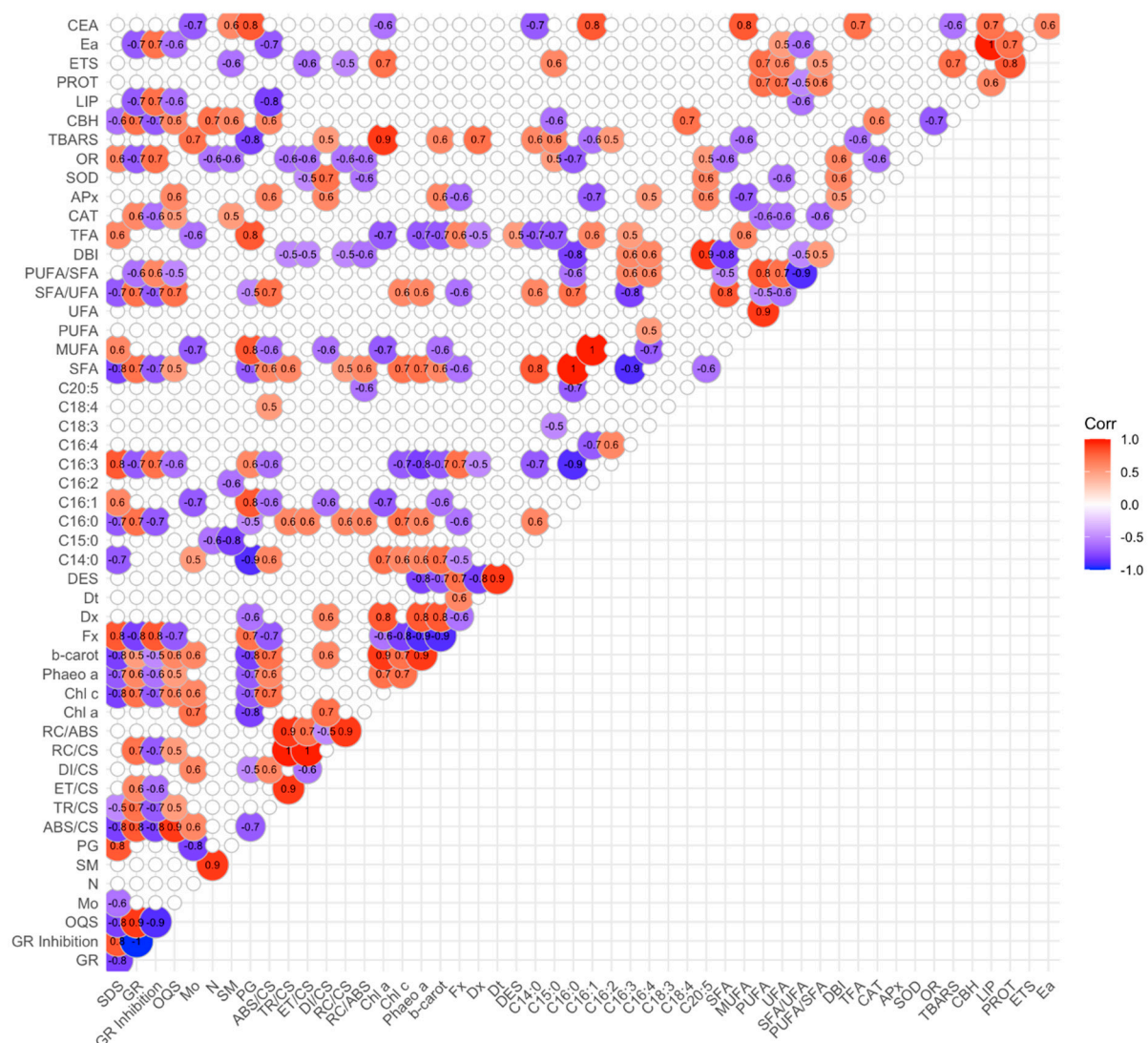


Figure S1. Heatmap of significant (p < 0.05) Spearman correlations of the measured parameters in *Phaeodactylum tricornutum* following 48-h exposure to increasing SDS concentrations.

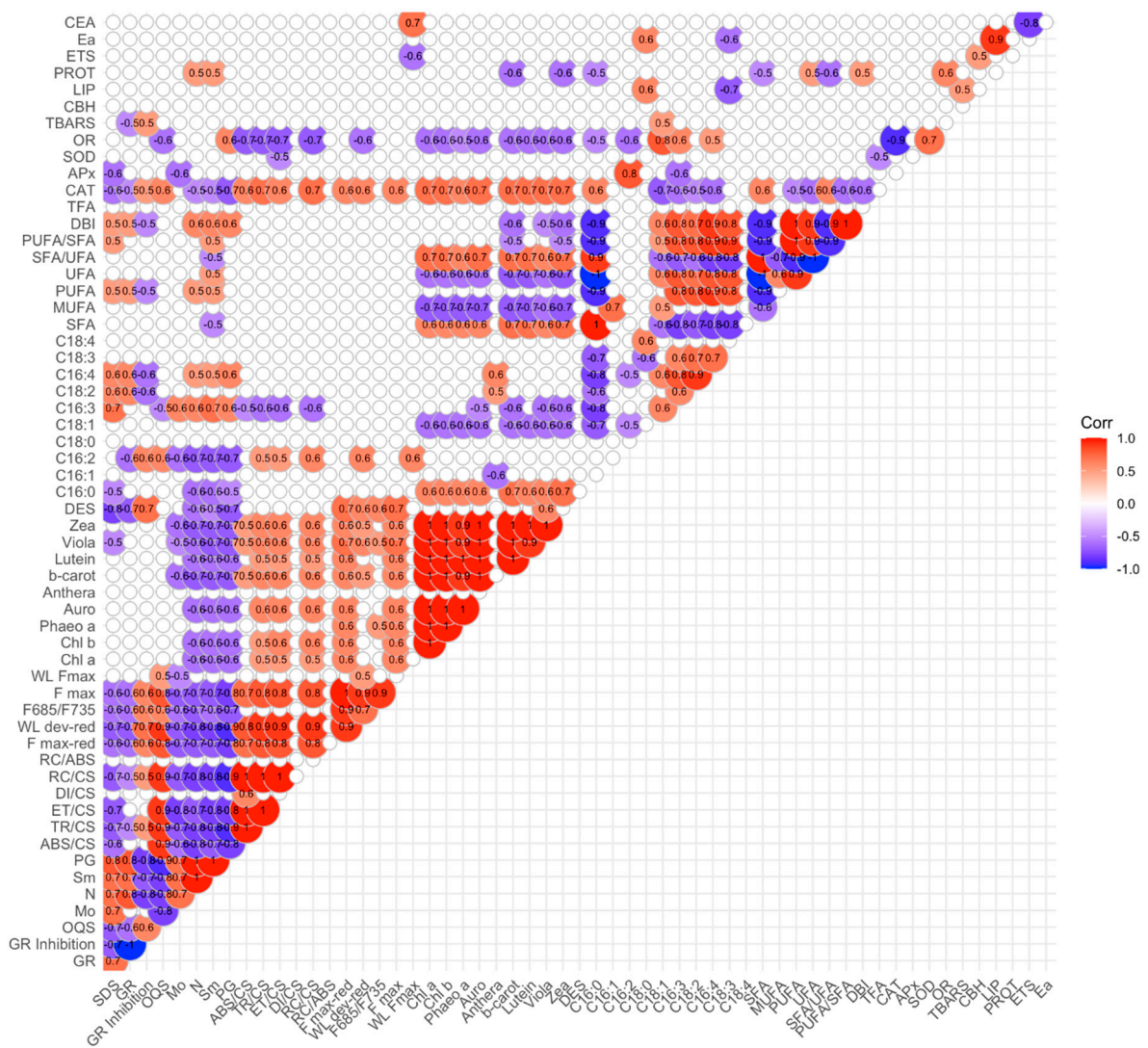


Figure S2. Heatmap of significant ($p < 0.05$) Spearman correlations of the measured parameters in *Ulva lactuca* following 48-h exposure to increasing SDS concentrations.

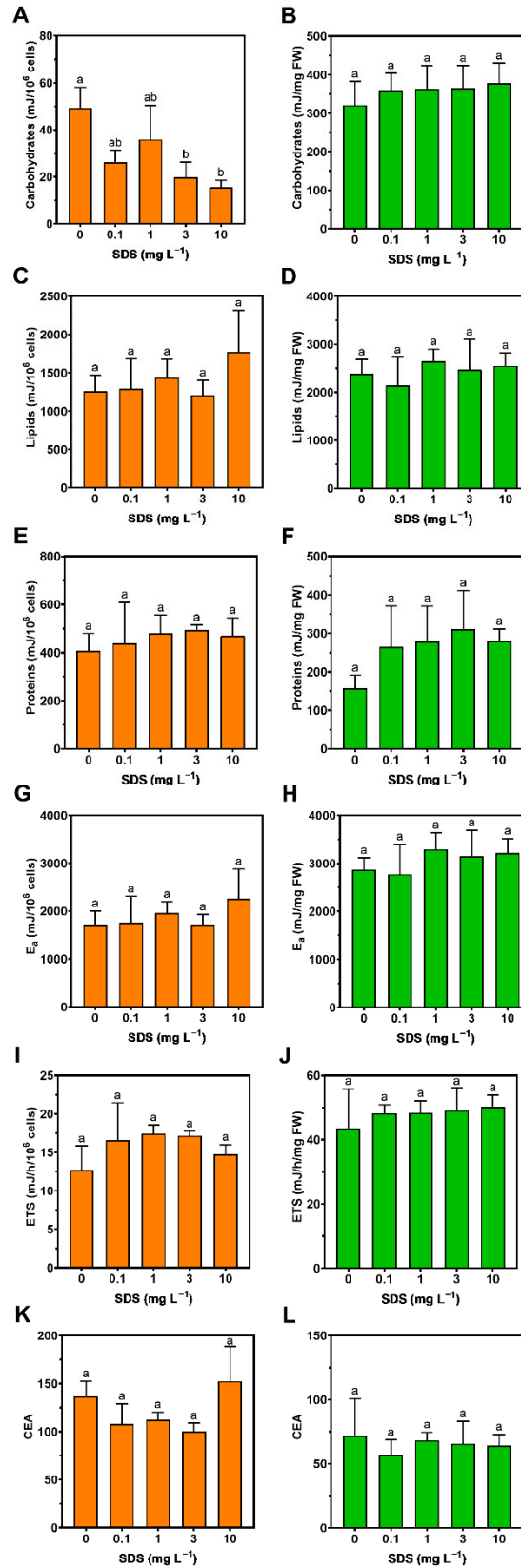


Figure S3. Carbohydrates (A,B), lipids (C,D), proteins (E,F), available energy (E_a; G,H), electron transport system at the mitochondrial level (ETS; I,J), and cellular energy allocation (CEA; K,L) changes in *Phaeodactylum tricornutum* (left figures) and in *Ulva lactuca* (right figures) after 48-h exposure to SDS (mean \pm s.d., $n = 3$ per treatment, different letters denote significant differences between treatments at $p < 0.05$).

Supplemental Table

Table S1. Percentage of biomarkers displaying SDS dose-effect significant correlations, considering either enhanced or inhibited significant correlations in the two tested species.

Species	Biomarkers with effect (%)	SDS Effect		Total biomarkers assessed
		Enhanced (%)	Inhibited (%)	
<i>Phaeodactylum tricornutum</i>	42	16	26	50
<i>Ulva lactuca</i>	45	19	26	57