

SUPPLEMENTARY MATERIALS

Table 1. List of pigments and their taxonomic significance. P: Picoplankton (<2μm), N: Nanoplankton (2-20μm), M: Microplankton (>20μm).

Pigments	Abbreviation	Size Classes	Taxonomic significance
Fucoxanthin	Fuco	M+N	Diatoms, prymnesiophytes, some Dinoflagellates
Peridinin	Peri	M	Dinoflagellates
19'-Hexanoyloxyfucoxanthin	Hex	N	Prymnesiophytes
19'-Butanoyloxyfucoxanthin	But	N	Chrysophytes, Haptophytes
Chlorophyll-c3	Chlc3	N	Prymnesiophytes, Chrysophytes
Alloxanthin	Allo	N	Cryptophytes
Prasinoxanthin	Pras	P	Prasinophytes
Neoxanthin	Neo	P	Chlorophytes
Chlorophyll-b	Chlb	P	Chlorophytes, Prasinophytes
Violaxanthin	Viola	P	Chlorophytes, Prasinophytes
Lutein	Lut	P	Red algae, Chlorophytes
Zeaxanthin	Zea	P	Cyanobacteria, Prochlorophytes, Chlorophytes
Divinyl Chlorophyll-a	Dvchla	P	Prochlorophytes
Chlorophyll-c2	Chlc2	All	Various
Diadinoxanthin	Diadino	All	Various
Diatoxanthin	Diato	All	Various
β-Carotenes	Car	All	Various
Chlorophyll-a	Chla	-	All – except Prochlorophytes