

Supplementary Material

1 SUPPLEMENTARY FIGURES

1.1 Figures

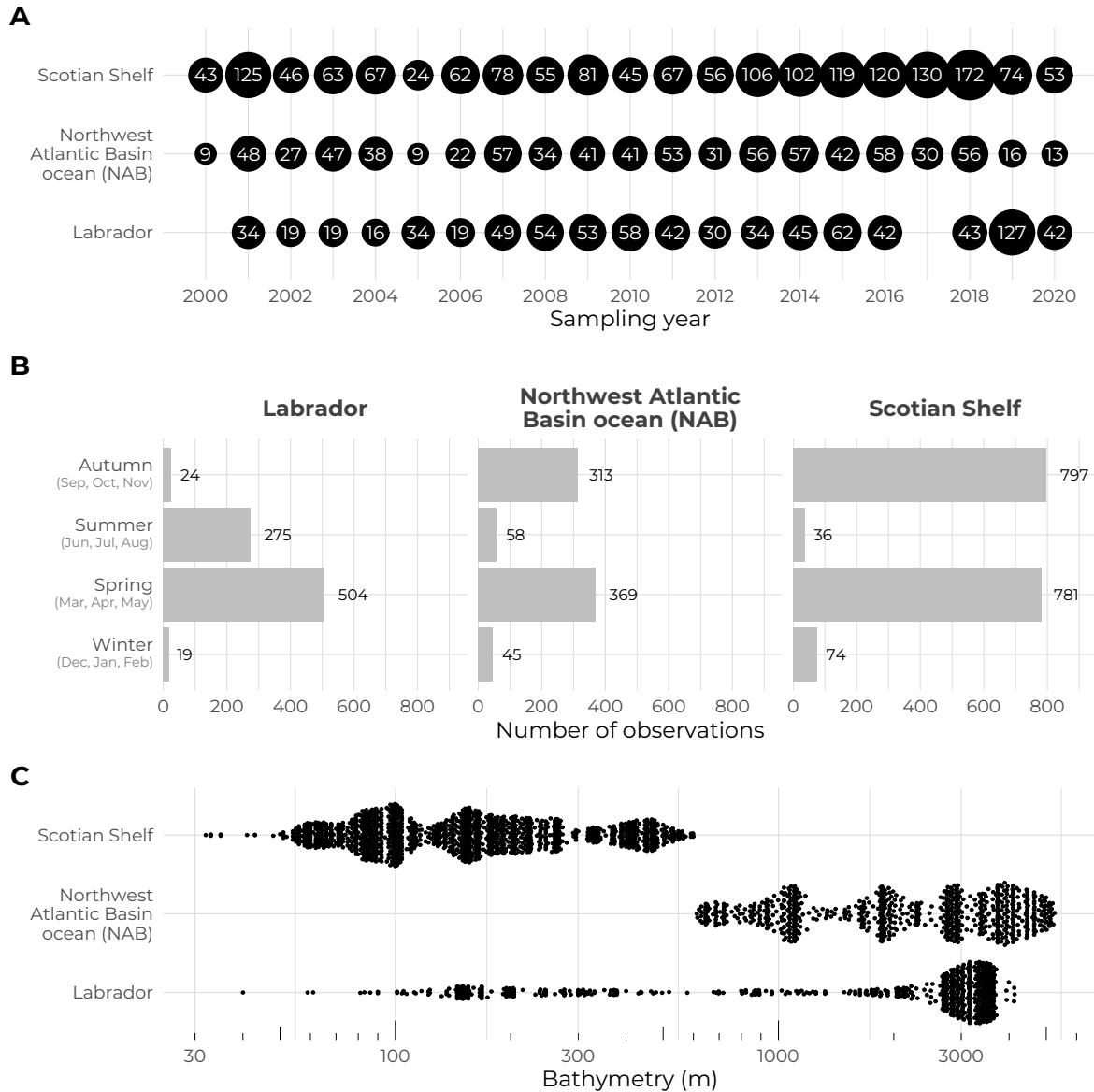


Figure S1. Spatio-temporal distribution of samples A) for each region and each year, B) for each region and season, and C) as a function of bathymetry

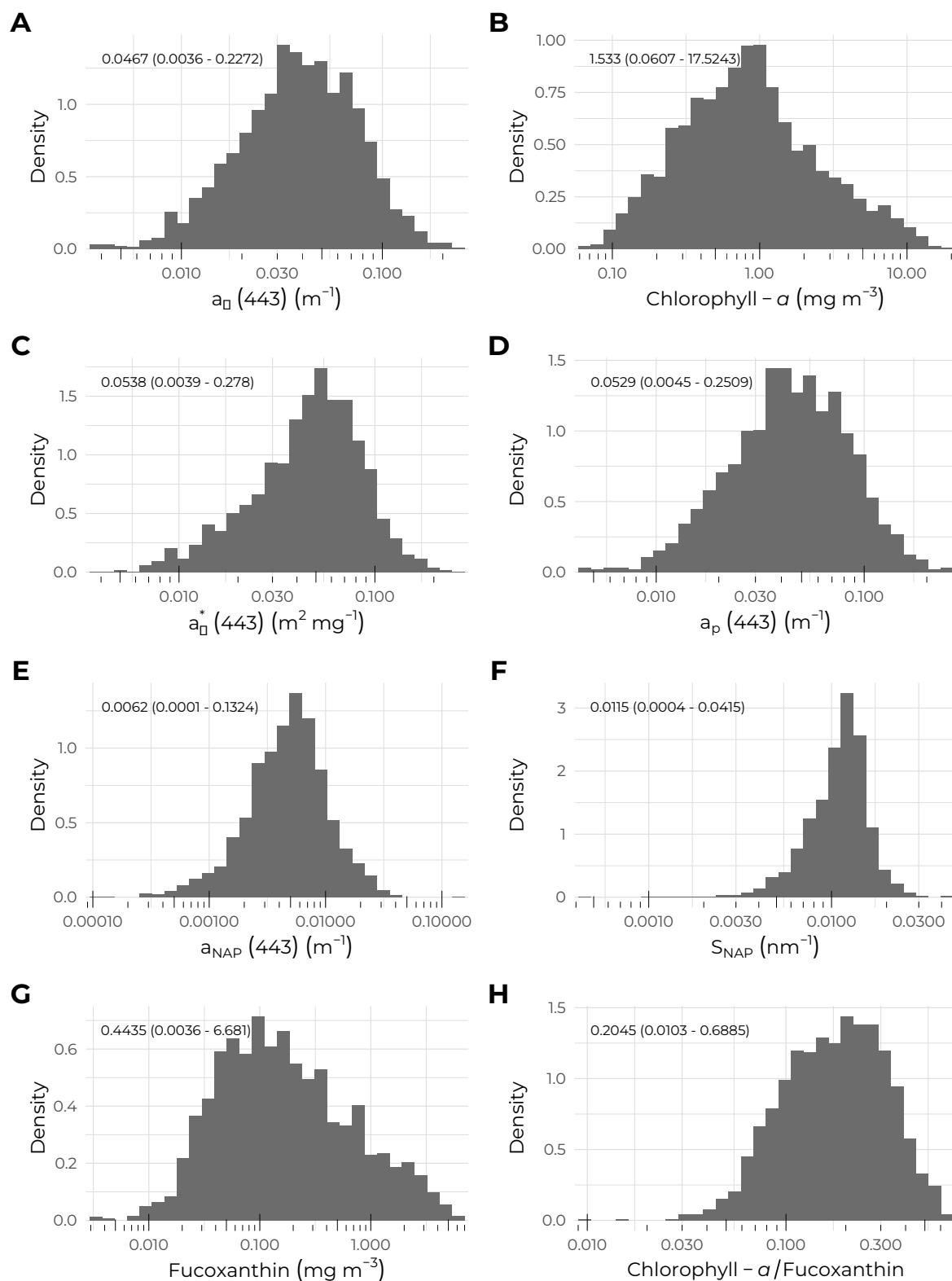


Figure S2. Frequency distribution of A) $a_{\phi}(443)$, B) [Chl- a], C) $a_{\phi}^*(443)$, D) $a_p(443)$, E) $a_{NAP}(443)$, F) S_{NAP} , G) [Fucox] and H) [Chl- a]:[Fucox]

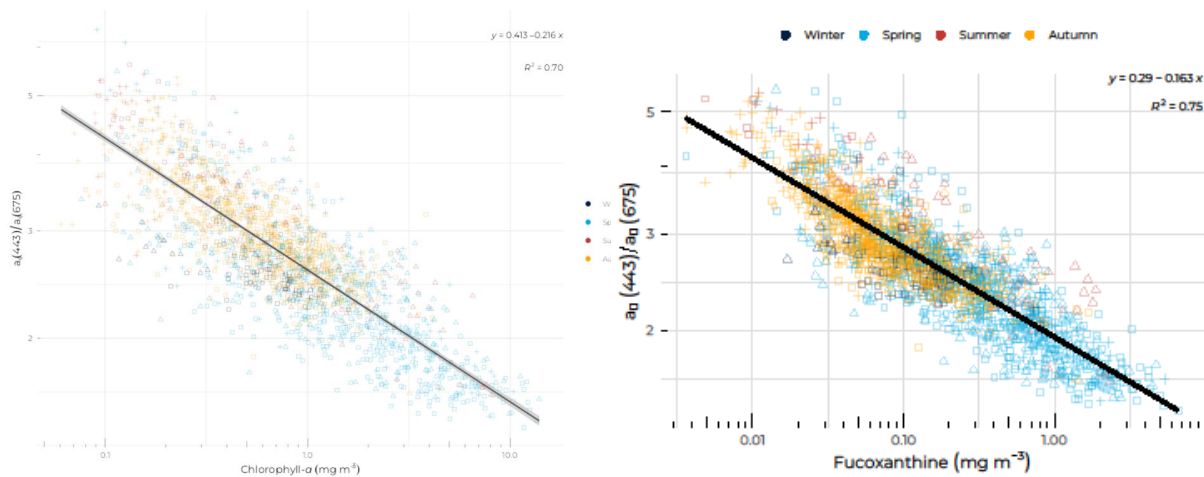


Figure S3. $a_{\phi}(443) : a_{\phi}(675)$ as a function of A) [Chl-a] and [Fucox]

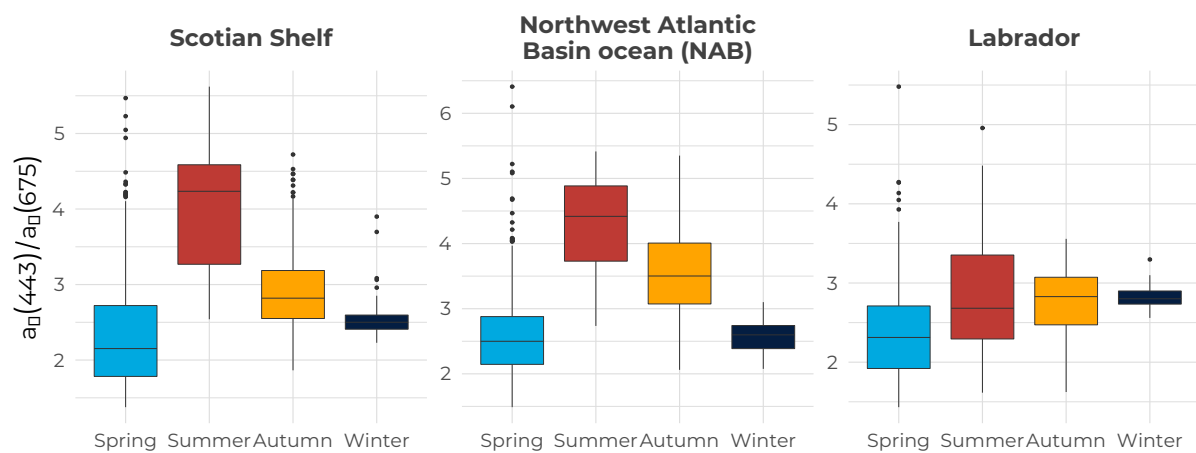


Figure S4. Mean and one standard deviation (i.e., boxplot) of $a_{\phi}(443) : a_{\phi}(675)$ for the Scotian Shelf, the Northwest Atlantic and the Labrador Sea for spring, summer, autumn and winter