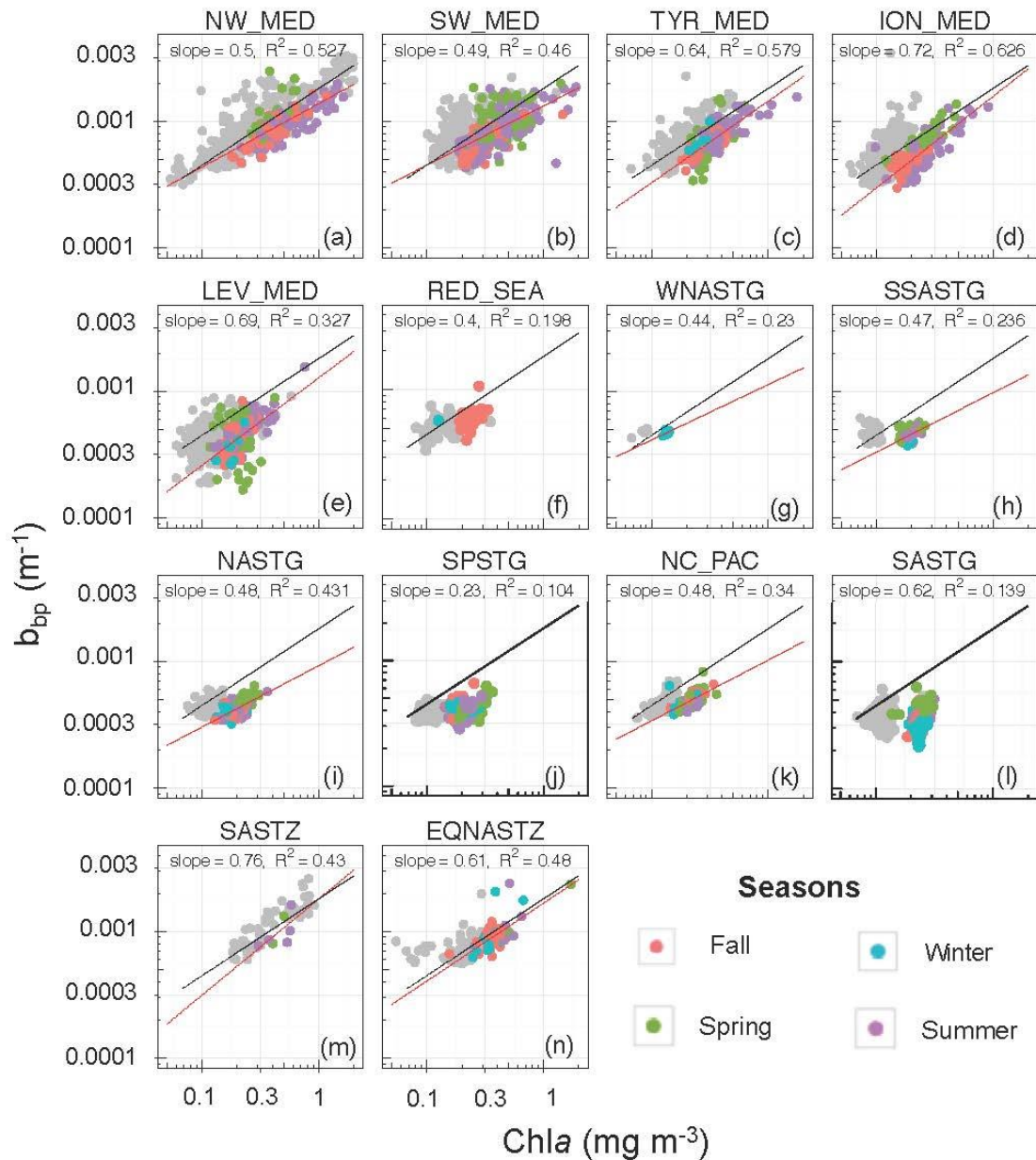


1 SUPPORTING INFORMATION B



2 **Figure B1:** Log-log scatterplot of the particulate backscattering coefficient at 700 nm (b_{bp})
 3 as a function of the chlorophyll a concentration (Chla) within the DCM layer for each
 4 bioregion. The color code indicates the season. The black line represents the average
 5 relationship calculated for the DCM layer and the red line the regression model calculated in
 6 this layer for each bioregion (shown only if $R^2 > 0.2$). The data points for the productive layer
 7 are shown in grey.