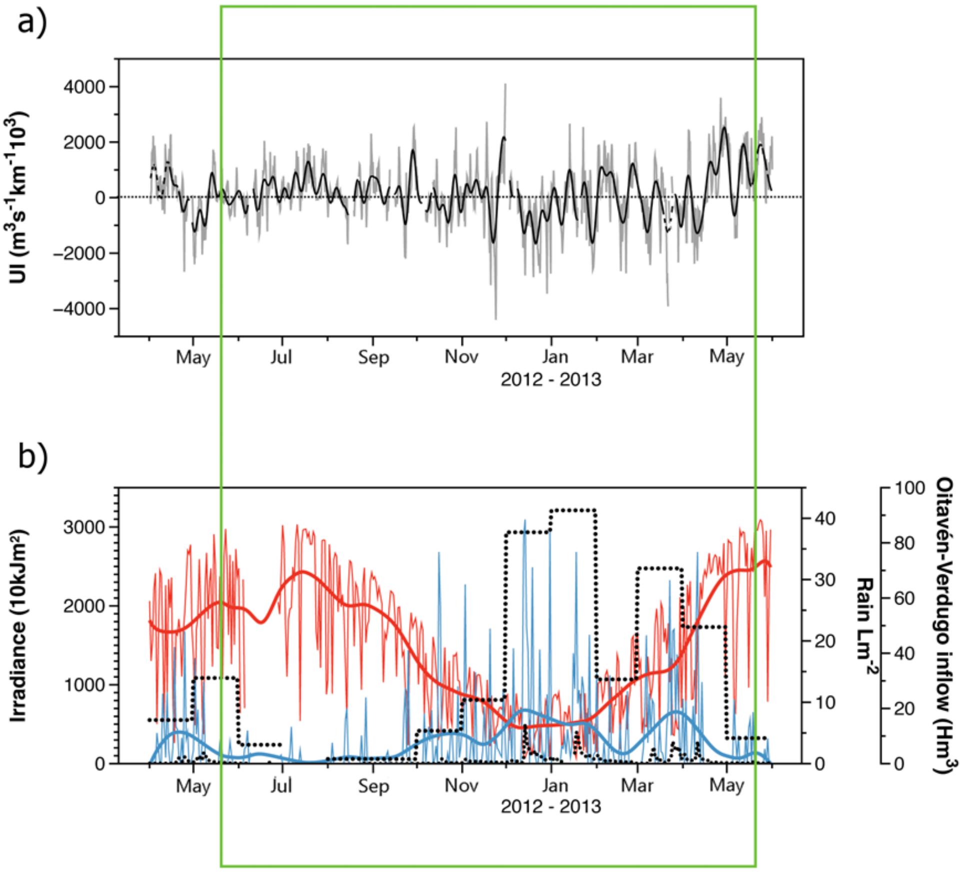

Figure S1. Temporal variation of a) upwelling index in the Ría de Vigo, and b) daily solar irradiance (red line) and rainfall at the Cíes Islands (blue line), and monthly freshwater inflow from the Oitavén-Verdugo river into the Ría de Vigo (dotted line). The green box indicates the *in situ* seawater sampling period.

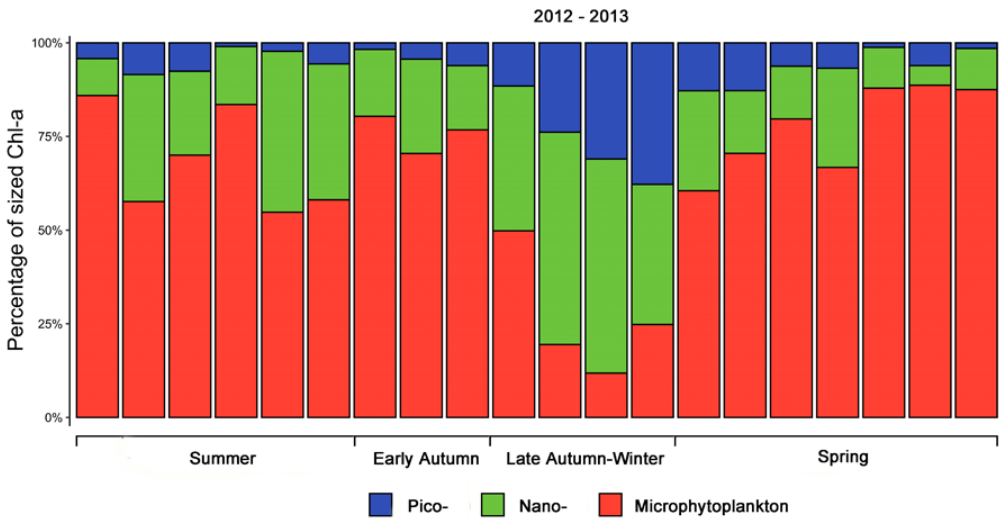

Figure S2. Percentages of pico- (chlorophyll *a* range: 0.2-2 µm, blue), nano- (chlorophyll *a* range: 2-20 µm, green), and microphytoplankton (chlorophyll *a* >20 µm, red) over total Chla for each sampling station.