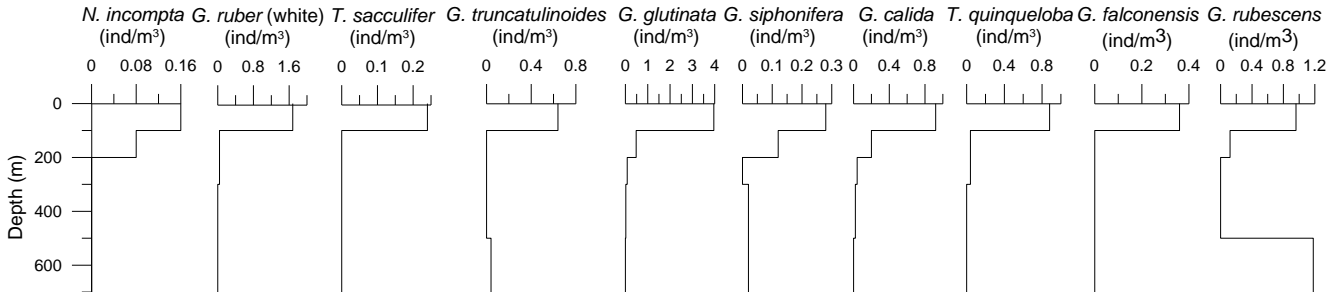
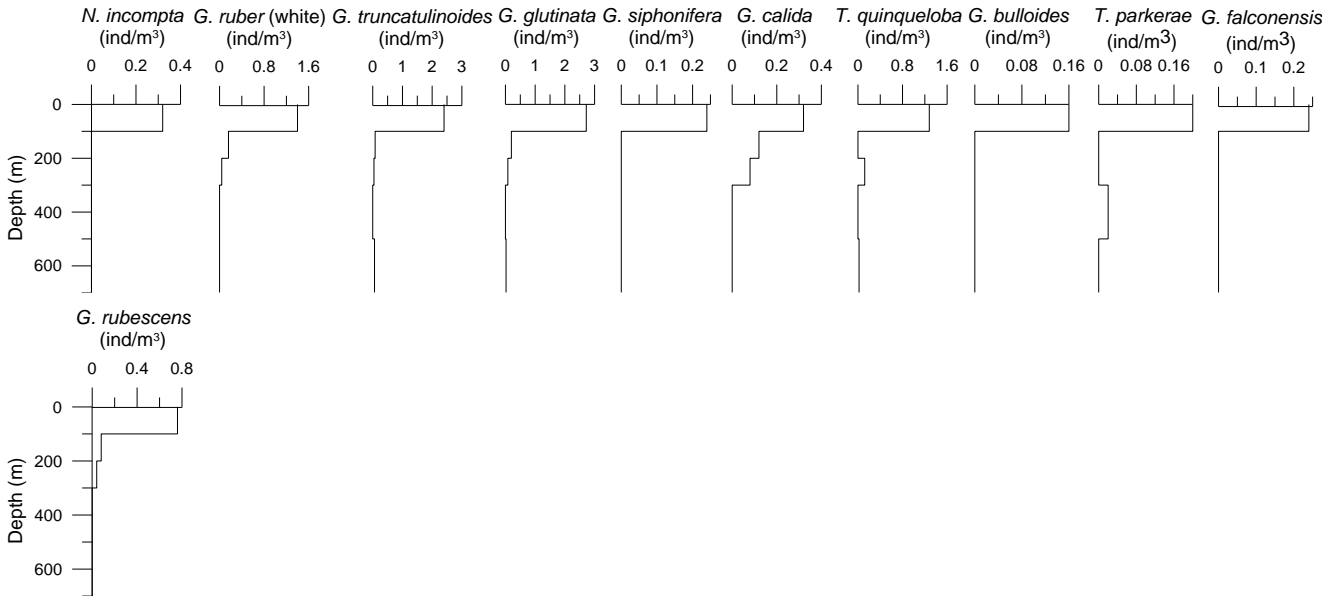


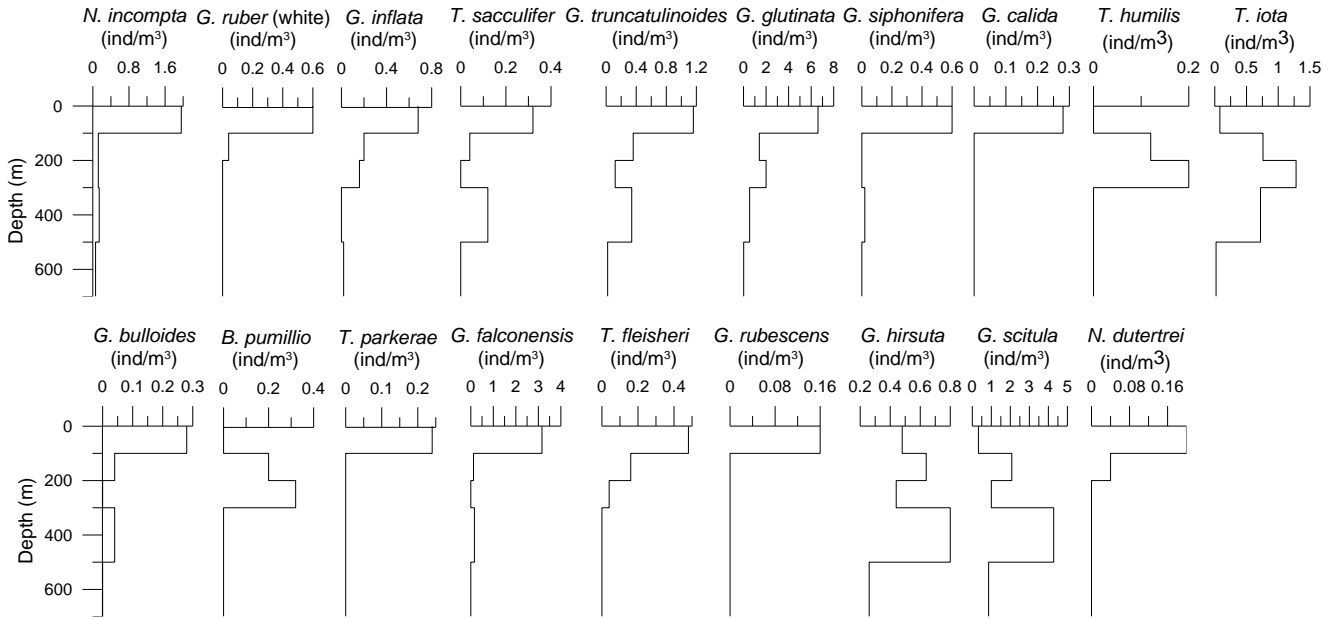
Station 696



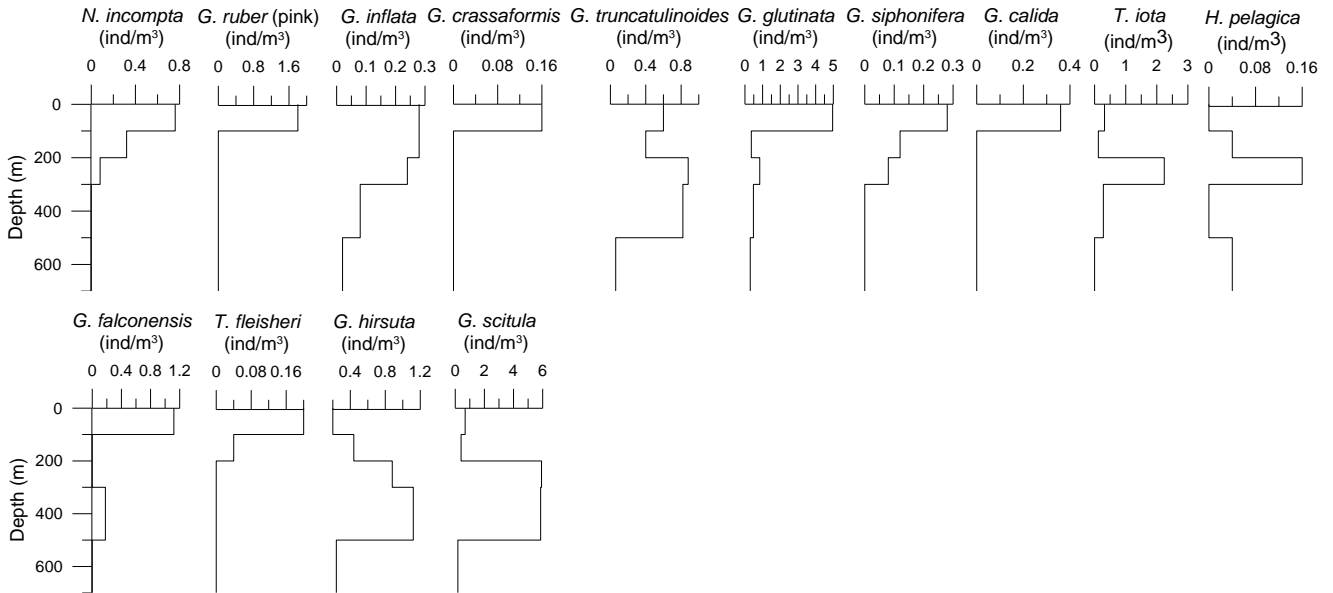
Station 704



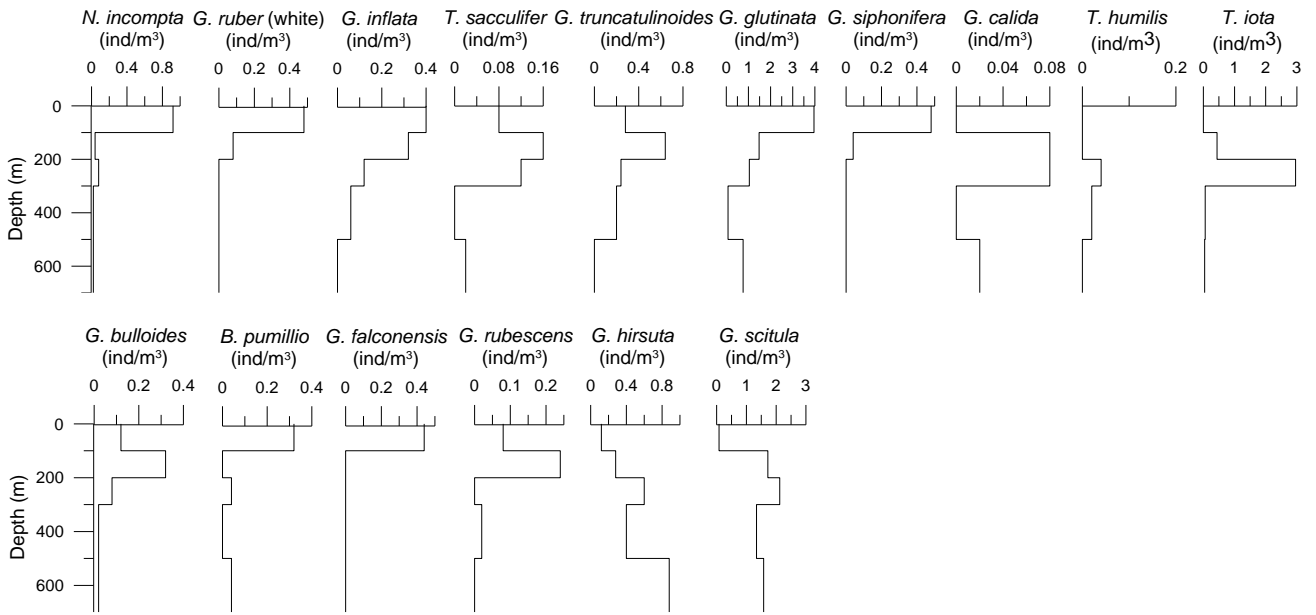
Station 161



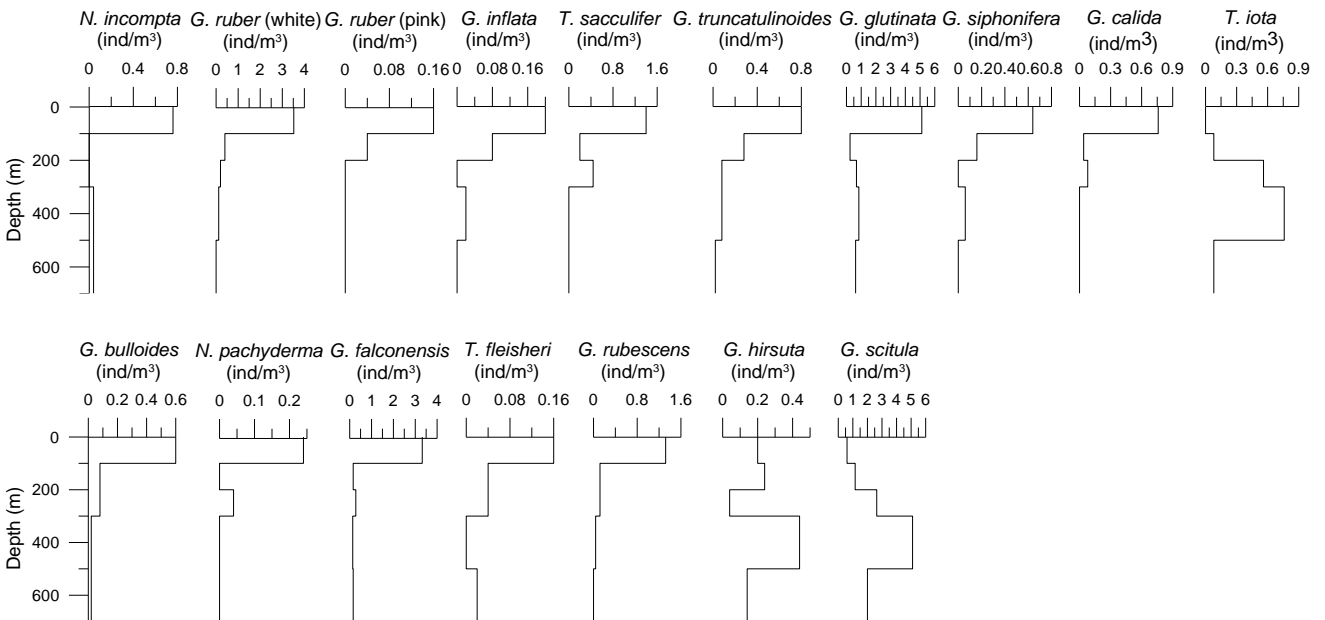
Station 163



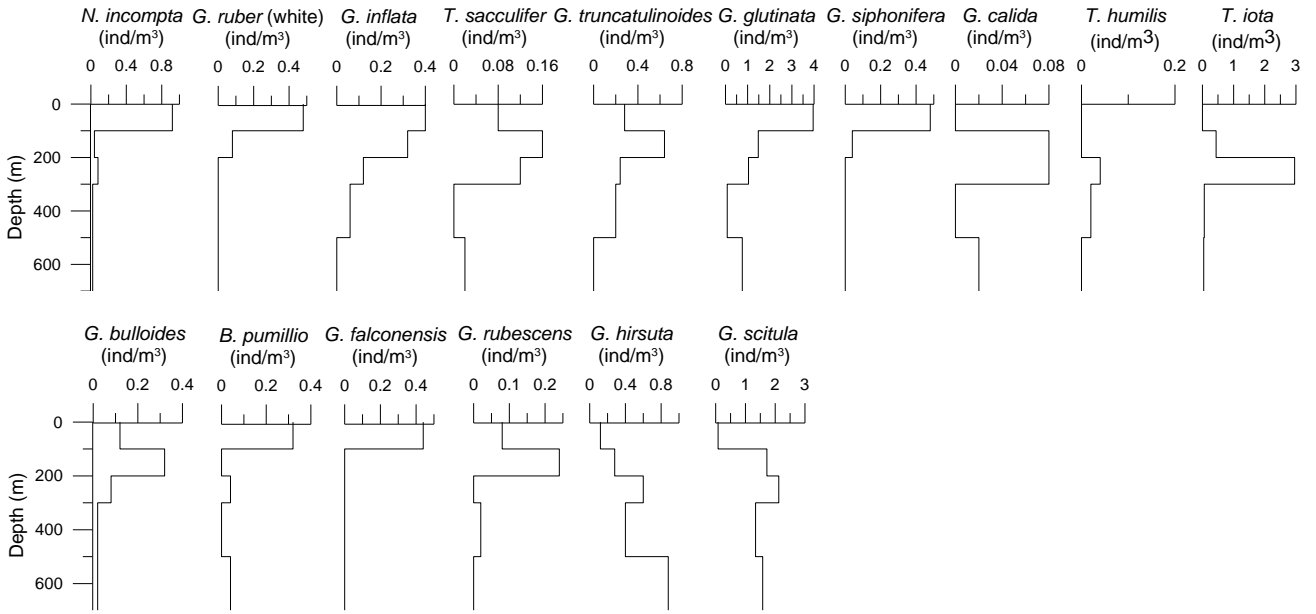
Station 165



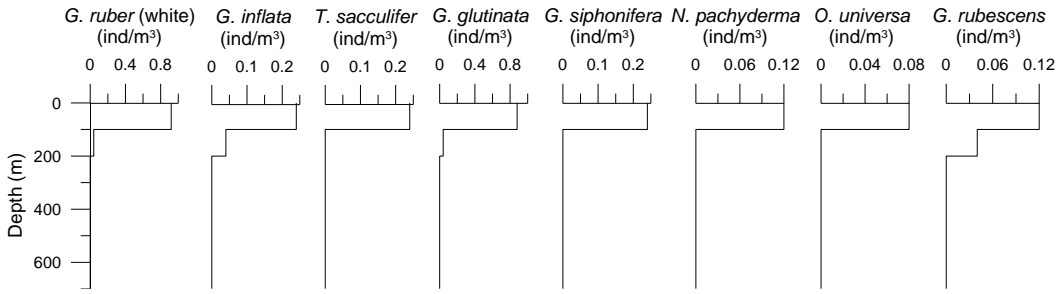
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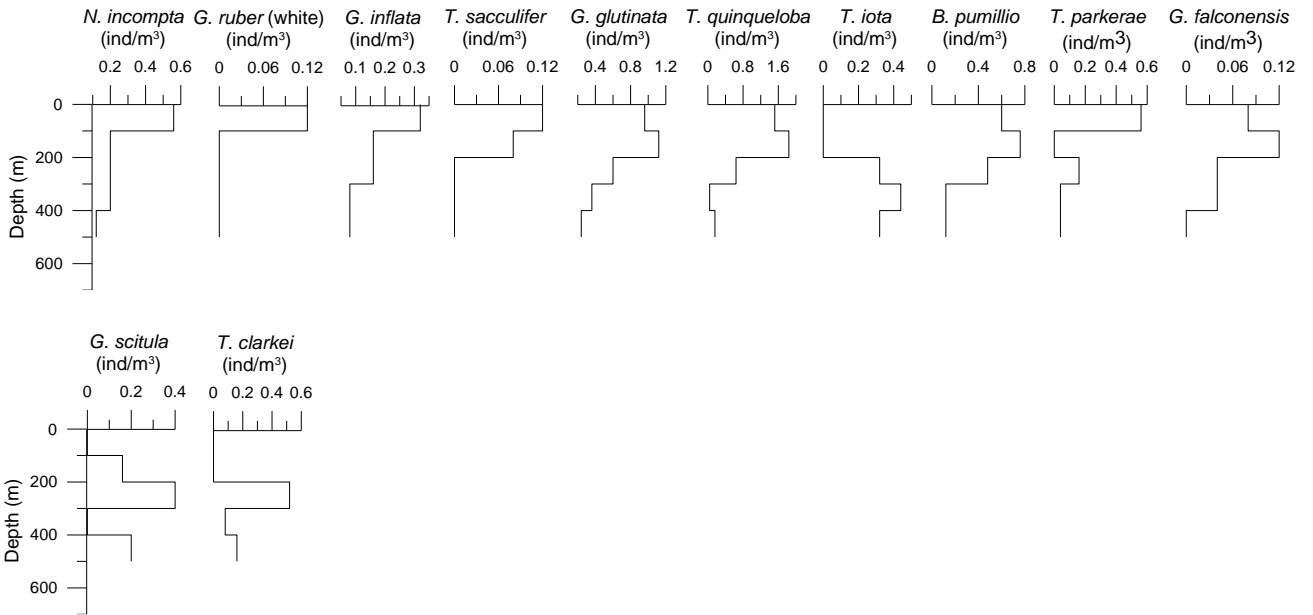
Station 175



Station 210

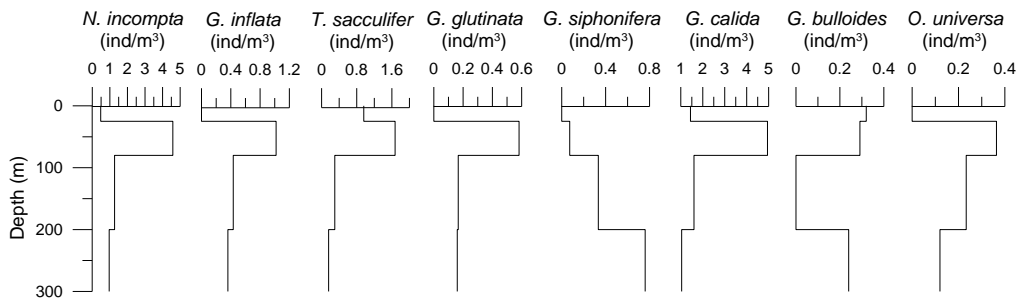


Station 273

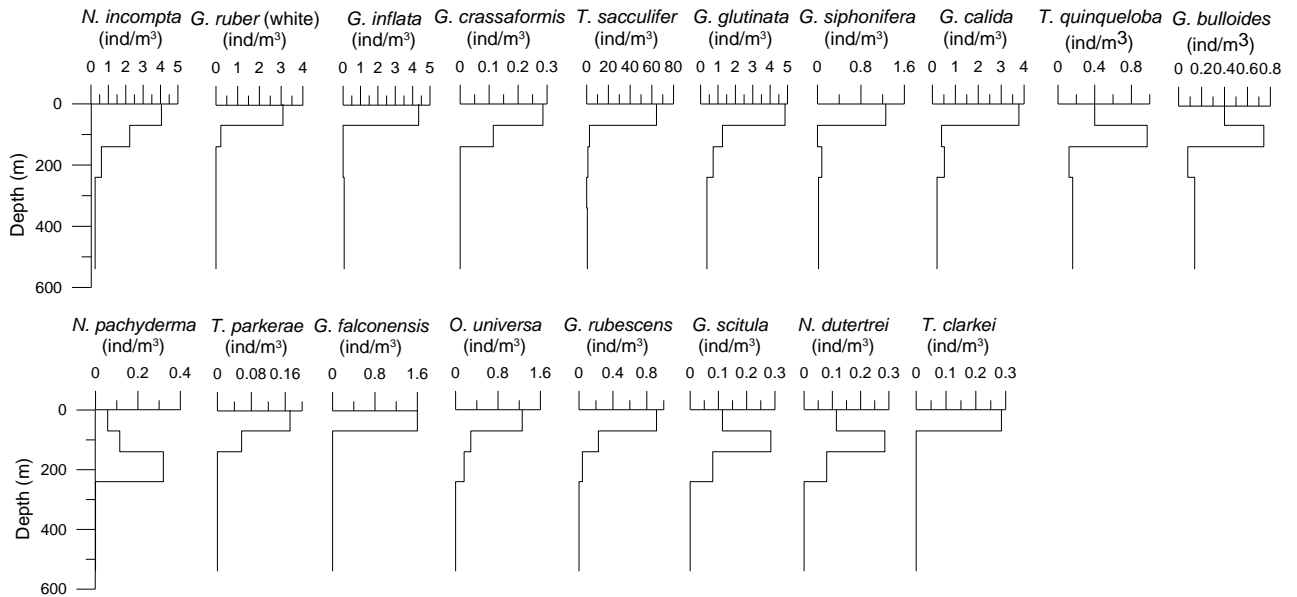


Iberia-Forams

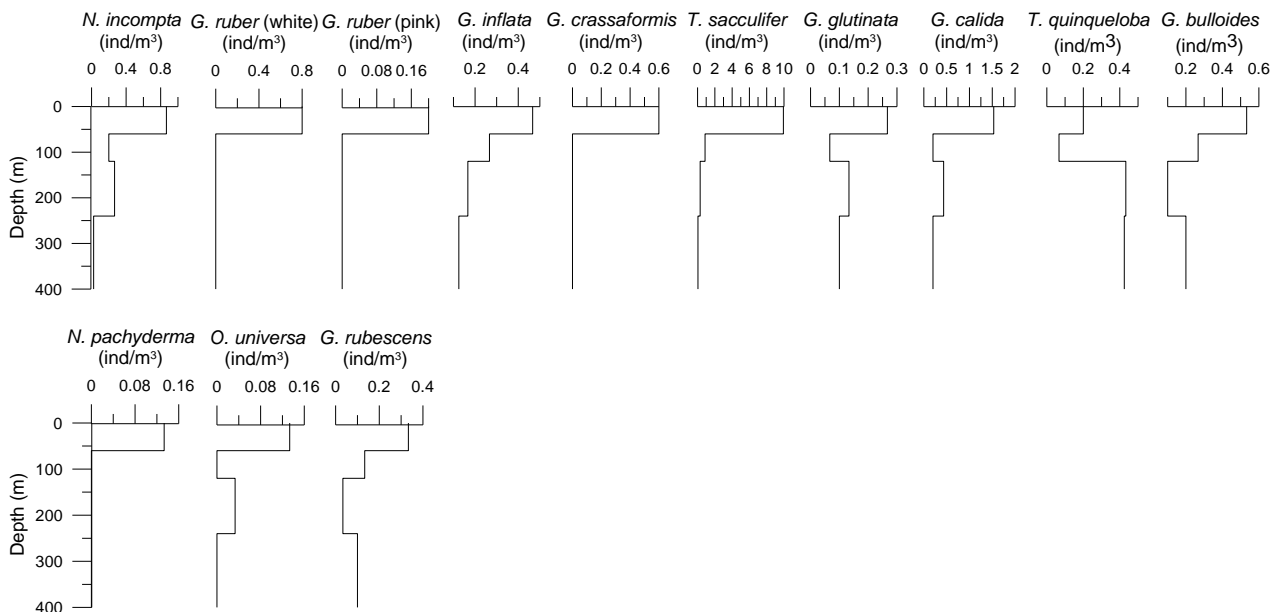
Station Ib-F2



Station Ib-F6

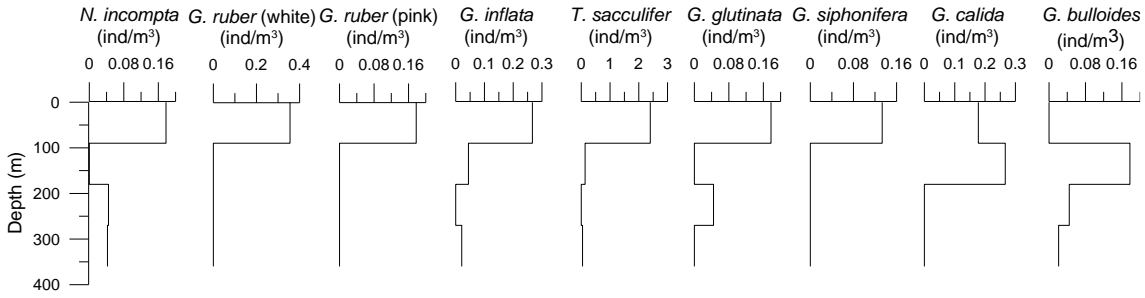


Station Ib-F8

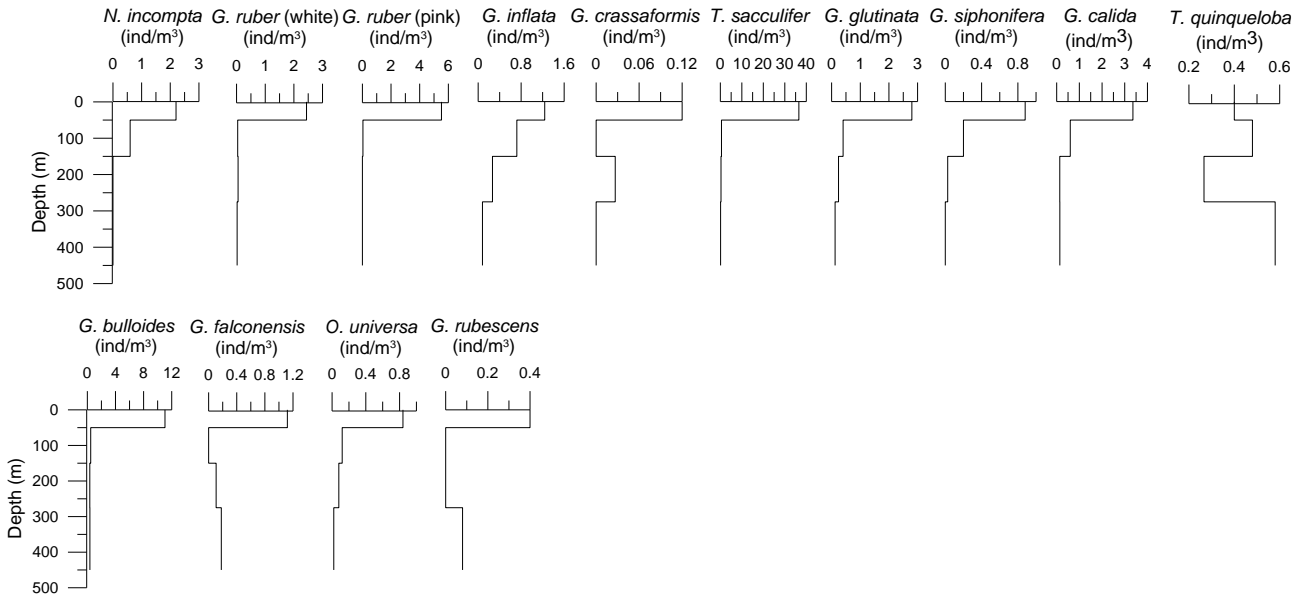


Iberia-Forams

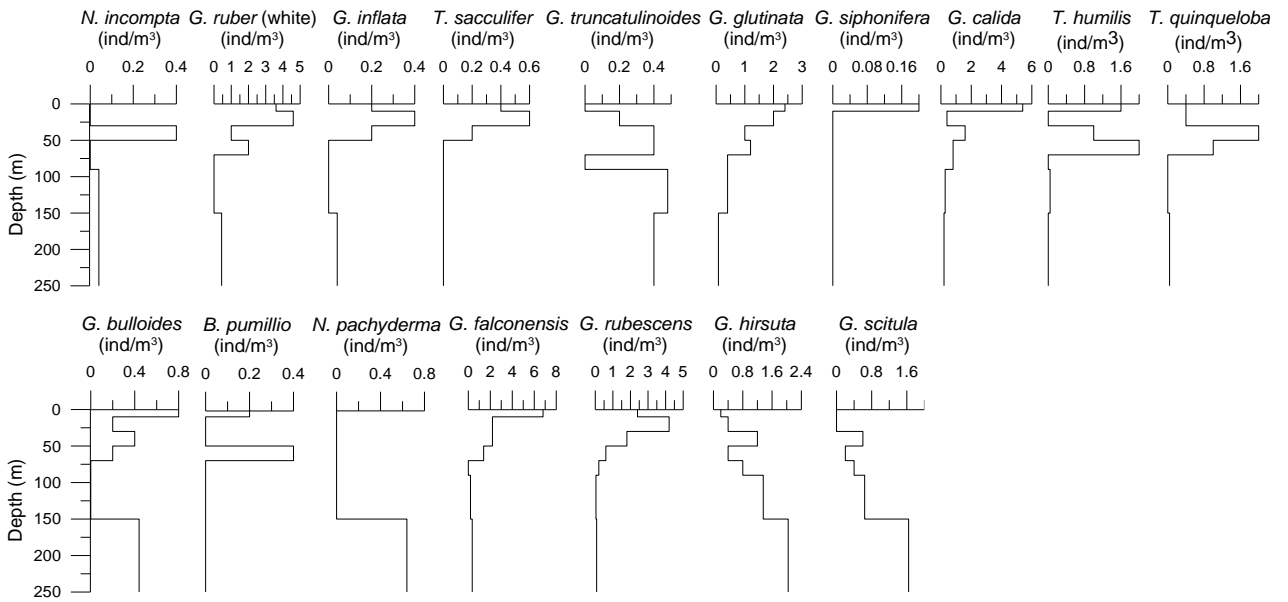
Station Ib-F9



Station Ib-F12



Station 67



Station 72

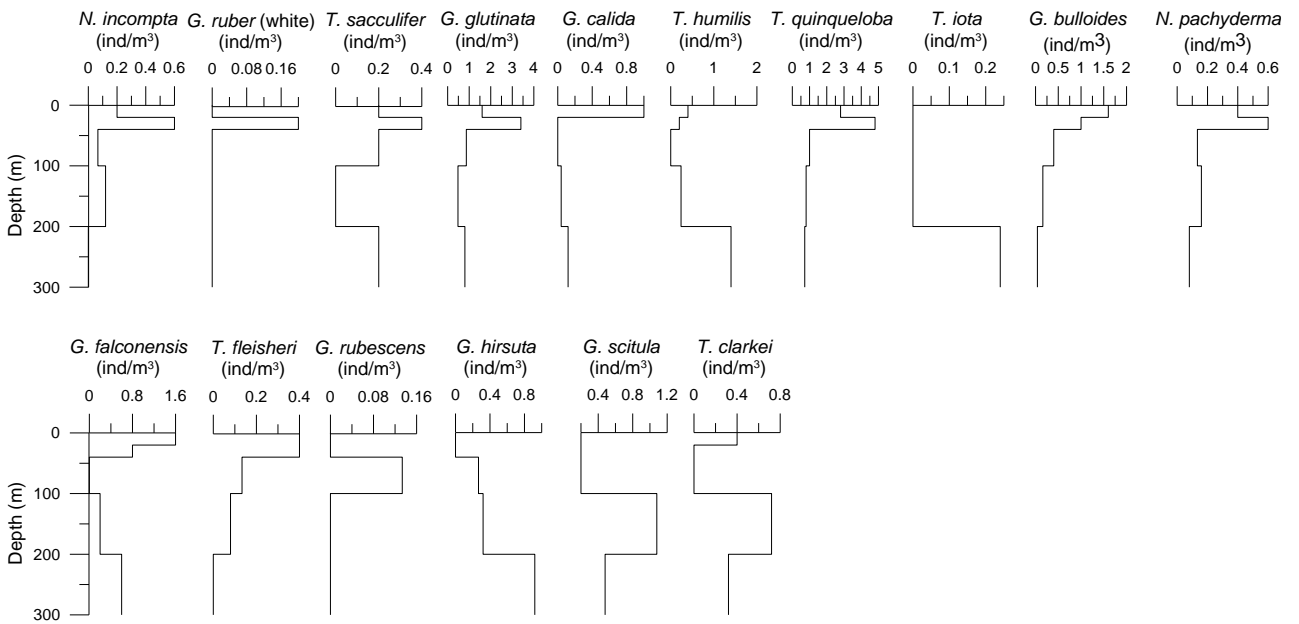
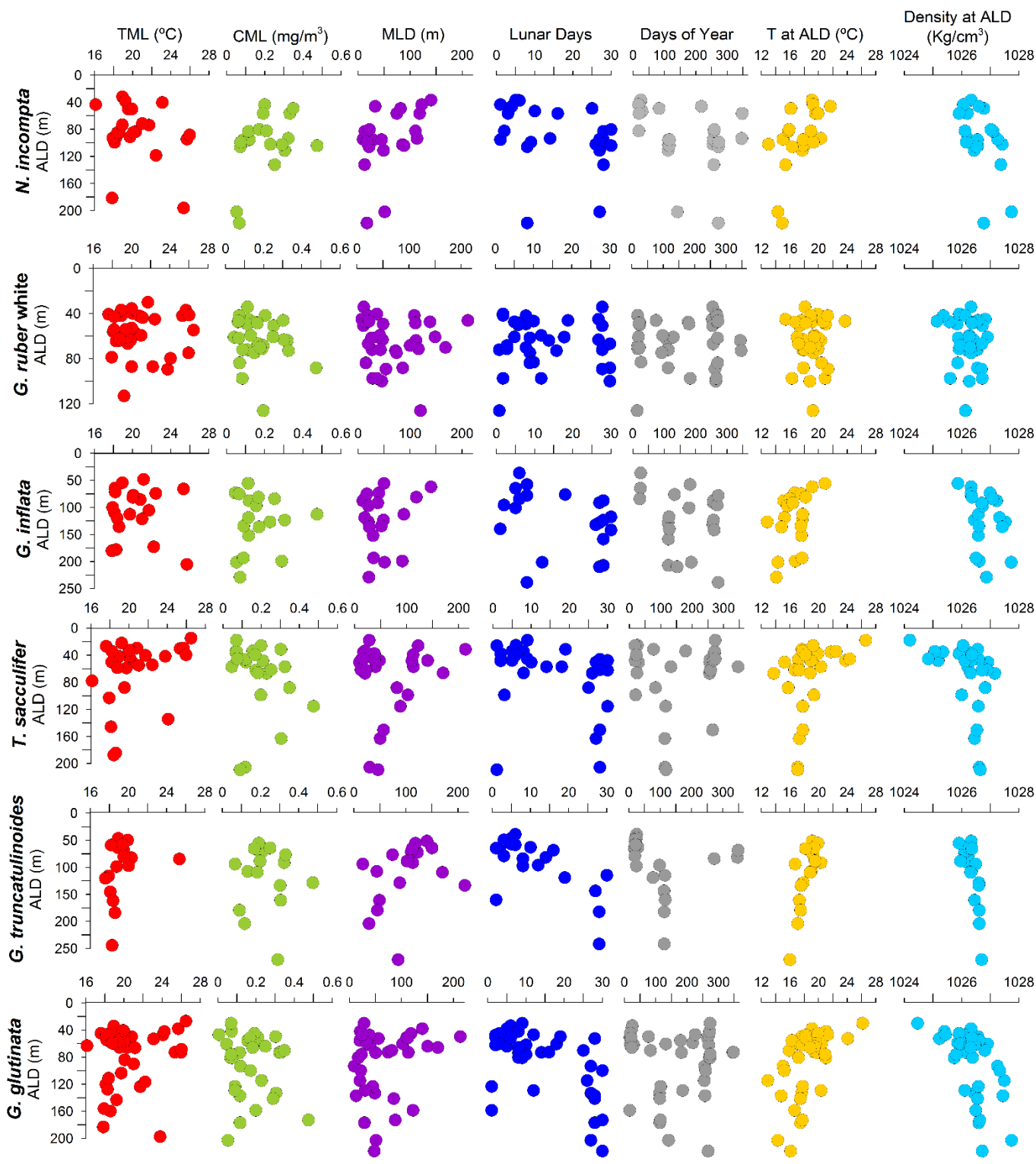
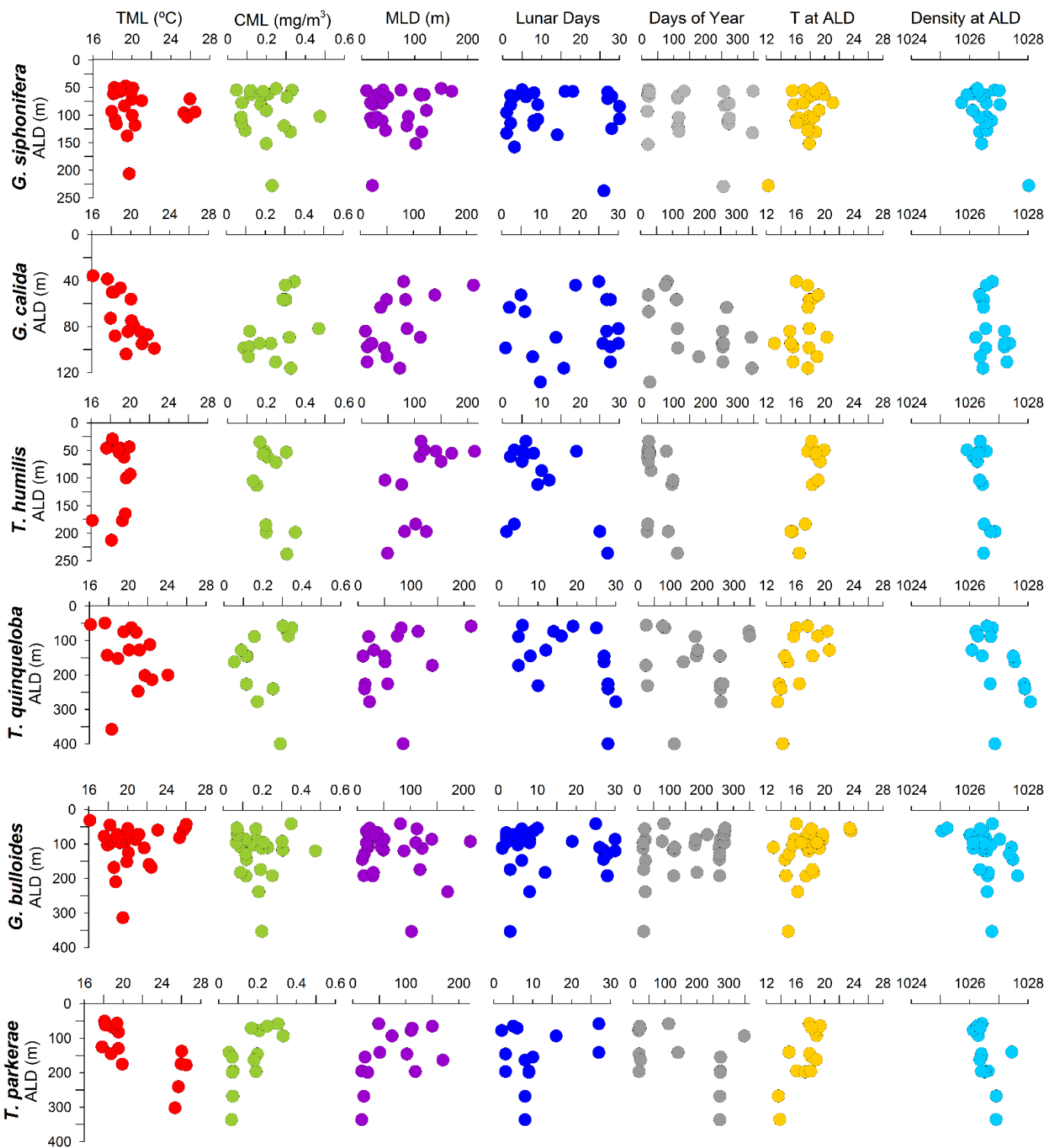


Figure S1. Abundance data for the most abundant species in each station. Only new data from the Azores Current/Front and Iberian Margin are presented here.





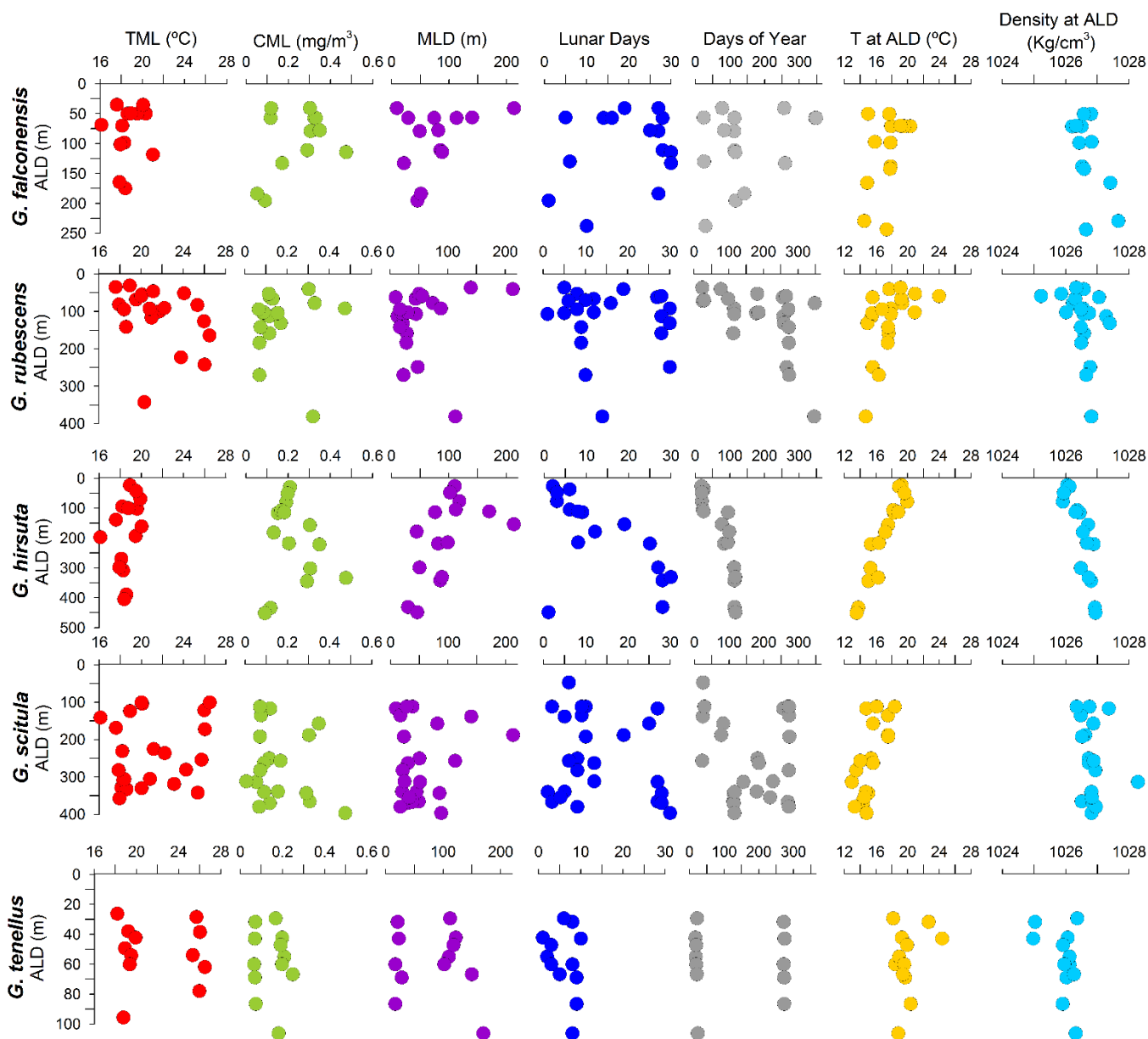


Figure S2. Observed ALD for the species with a variable habitat depth with the environmental parameters of the mix layer (temperature, chlorophyll *a* and mixed layer depth), lunar days, days of the year, temperature at ALD and seawater density at ALD.