Biomass pyramid warming metadata for code

Community\_Biovolume\_Calculation.R – This R file uses the densities of prey from the ‘pyramid.csv’ file coupled with the sizes of organisms estimated using the FlowCam in ‘redoingcellsizedata.csv’ and the sizes of Actinosphaerium from ‘BP\_Actin\_2021.csv’ to calculate total community biovolume and the biovolume ratios of Actinosphaerium to the rest of the community. It then saves a new .csv file ‘Community\_Data.csv’ containing these biovolumes along with information included in the original community data file ‘pyramid.csv’.

Pyramid\_GAM\_Analysis.R – This R file contains the code to perform the GAM analyses of the community-level covariates and uses AICc to compare the models. It also includes the code for the analysis of the rank abundance curves and for making a plot of Actinosphaerium densities.

NMDS\_Analysis.R – This R file contains code to perform the NMDS and other analyses of community composition.