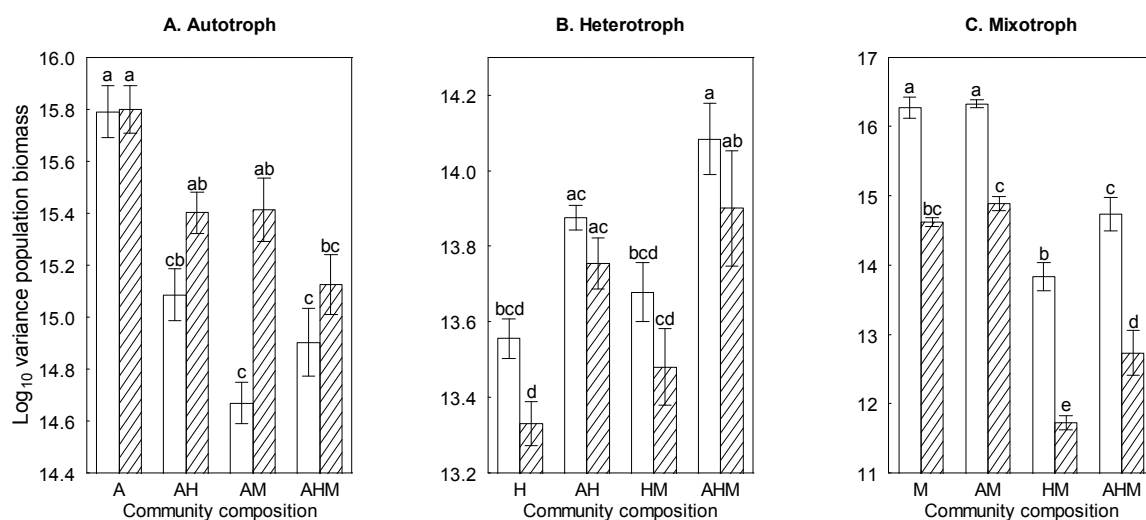


Leary, D. J., Rip, J. M. K. and Petchey, O. L. 2012. The impact of environmental variability and species composition on the stability of experimental microbial populations and communities. – *Oikos* 121: 327–336.

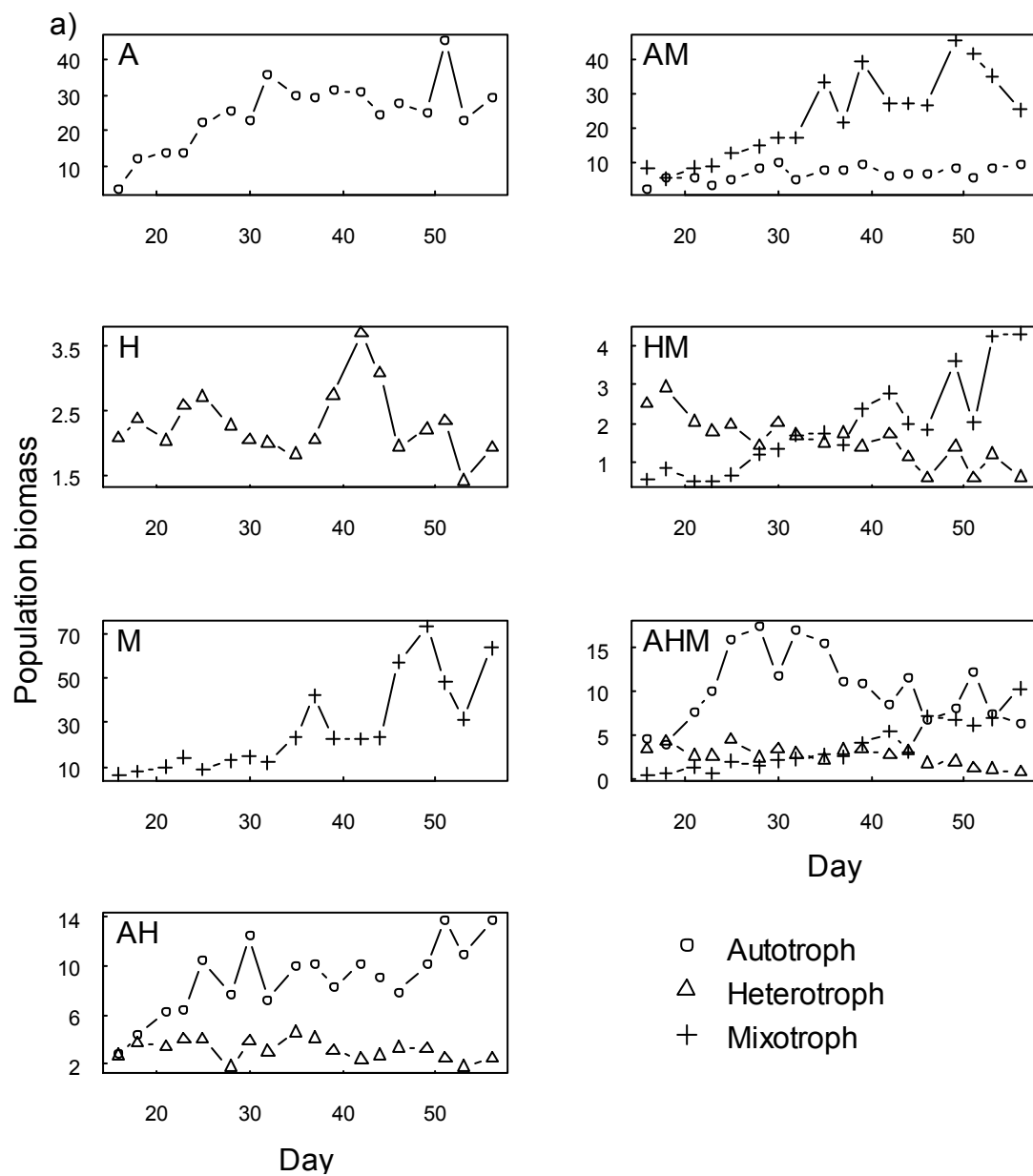
Appendix 1

Figure A1.1. Effect of community composition (or species presence–absence) and environment (constant or variable light) on \log_{10} variance of biomass for: (A) the autotroph, (B) the heterotroph and (C) the mixotroph. Results are presented as mean \pm 1 SE. Letters on x-axis represent A for autotroph, H for heterotroph and M for mixotroph. Data were analysed using three-way ANOVA and \log_{10} transformed to avoid heteroscedasticity. Letters above bars indicate pairwise treatment comparisons; bars which do not share a letter are significantly different (Tukey's HSD, $p < 0.05$).



Appendix 2

Figure A2.1. Example population dynamics for each community composition in (a) constant light and (b) variable light. Shaded areas in (b) indicate periods of darkness. Letters in each plot represent A for autotroph, H for heterotroph and M for mixotroph. Values on the y-axis are in μg per ml to the exponential seven.



b)

