Published in "Aquatic Ecology 46(4): 487-499, 2012"
which should be cited to refer to this work.

Supplementary Material

Figure S1. Multi-Dimensional Scaling (MDS) Plots illustrating community similarity in **a)** the presence/absence of individual morphotypes of culturable bacteria (bottom trophic level), and **b)** the presence/absence of individual protozoan species (intermediate trophic level) found within 20 pitcher plant leaves (1 leaf per plant) sampled monthly throughout one growing season. 2D stress indicates how well multi-dimensional groupings are represented in a two dimensional graph. In general, a stress less than 0.2 is considered an adequate representation. To visually show the importance of top predator and resource control on successional patterns, open triangles indicate communities with no ants **(**in **a)** or no mosquito larvae **(**in **b)** during the time of sampling. Closed triangles indicate those communities where ants **(**in **a)** or mosquito larvae **(**in **b)** were found in the water at the time of sampling, open triangles represent those communities containing no ants **(**in **a)** or mosquito larvae **(**in **b)**. Triangles that appear to be in bold in the figures occur when communities are so highly similar that they overlay exactly over each other in the graph. Ant capture rate dramatically decreased to zero by August, while the presence of mosquito larvae in the communities was greatest in August.

Figure S2. Multi-Dimensional Scaling (MDS) Plots illustrating community similarity between all months sampled for the **a)** presence/absence of individual culturable bacteria and **b)** protozoan species found within ~20 pitcher plant leaves. 2D stress on MDS plots indicates how well multi-dimensional groupings are represented in a two dimensional graph. In general, a stress less than 0.2 is considered an adequate representation. The MDS plots and ANOSIM results (ANOSIM Global R for **(a)** 0.387, p value = 0.001; for **(b)** 0.133, p value = 0.001) show how similar community patterns are (if they converge or diverge) among months.

Figure S3. Non-Metric Multi-Dimensional Scaling (MDS) Plots comparing bacteria similarity between communities sampled at the beginning (June, black triangles) and end (November, gray triangles) of the season for **a)** presence/absence of individual culturable bacteria morphotypes sampled in 2007 and **b)** presence/absence of individual bacterial OTUs that were sampled in 2008. Each symbol represents the bacterial community in one leaf. Analysis of Similarity (ANOSIM) Global R is 0.352 (p value = 0.001) for culturable bacteria abundances **(a)** and 0.999 (p value = 0.002) for similarity based on abundances of individual OTUs **(b)**. The bacterial communities based on both culturable bacteria and OTU abundances were significantly different between the beginning of the season and the end of the season.

Figure S1

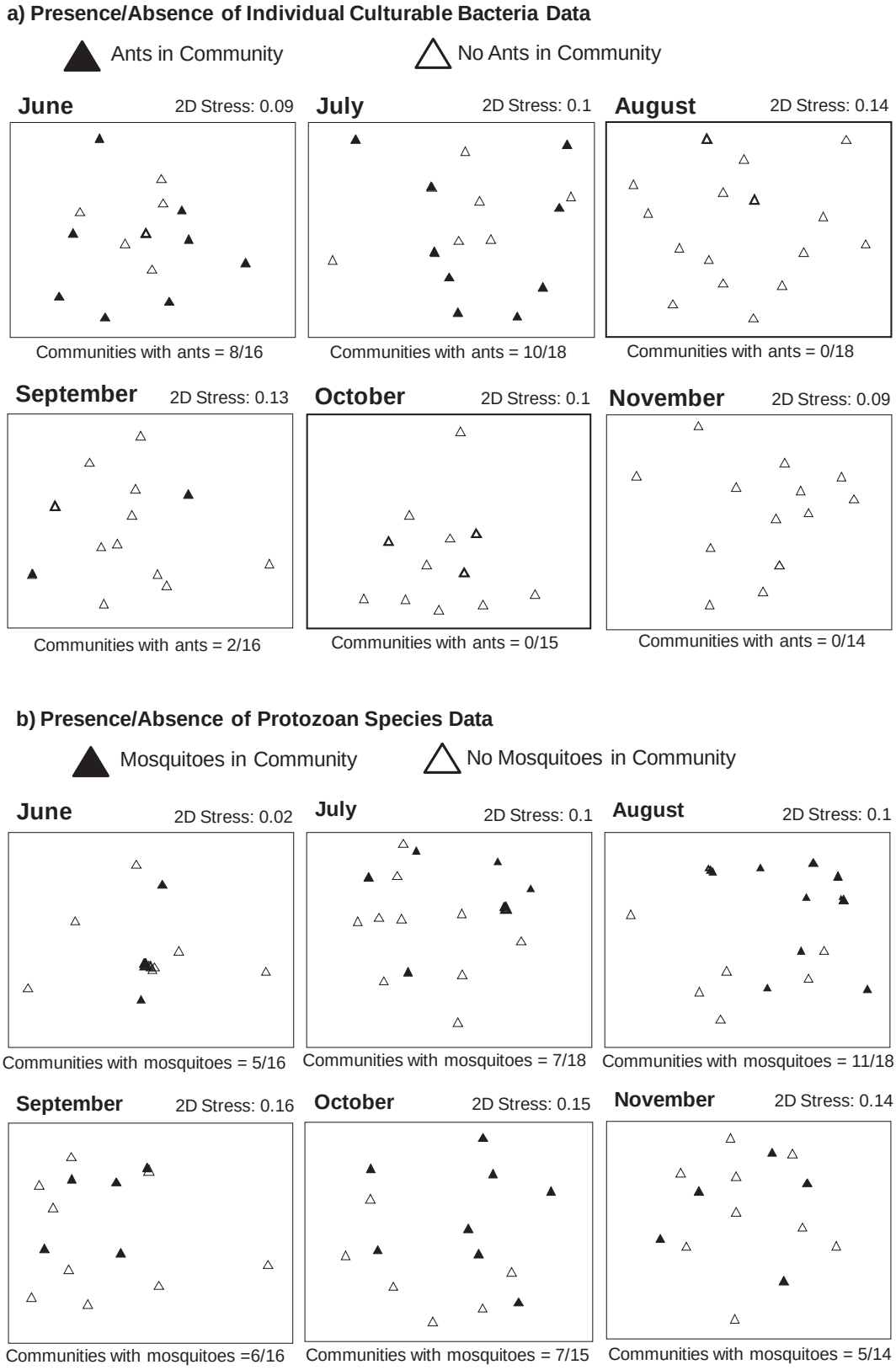

a) Presence/Absence of Individual Culturable Bacteria Data
Ants in Community
No Ants in Community
June
2D Stress: 0.09
Communities with ants = 8/16
July
2D Stress: 0.1
Communities with ants = 10/18
August
2D Stress: 0.14
Communities with ants = 0/18
September
2D Stress: 0.13
Communities with ants = 2/16
October
2D Stress: 0.1
Communities with ants = 0/15
November
2D Stress: 0.09
Communities with ants = 0/14
b) Presence/Absence of Protozoan Species Data
Mosquitoes in Community
No Mosquitoes in Community
June
2D Stress: 0.02
Communities with mosquitoes = 5/16
July
2D Stress: 0.1
Communities with mosquitoes = 7/18
August
2D Stress: 0.1
Communities with mosquitoes = 11/18
September
2D Stress: 0.16
Communities with mosquitoes =6/16
October
2D Stress: 0.15
Communities with mosquitoes = 7/15
November
2D Stress: 0.14
Communities with mosquitoes = 5/14

Figure S2

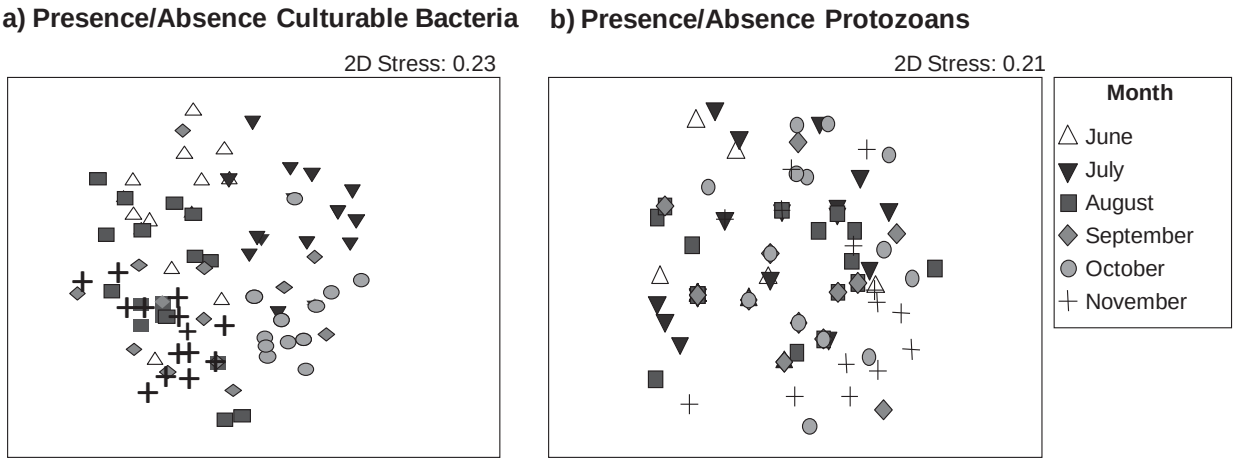
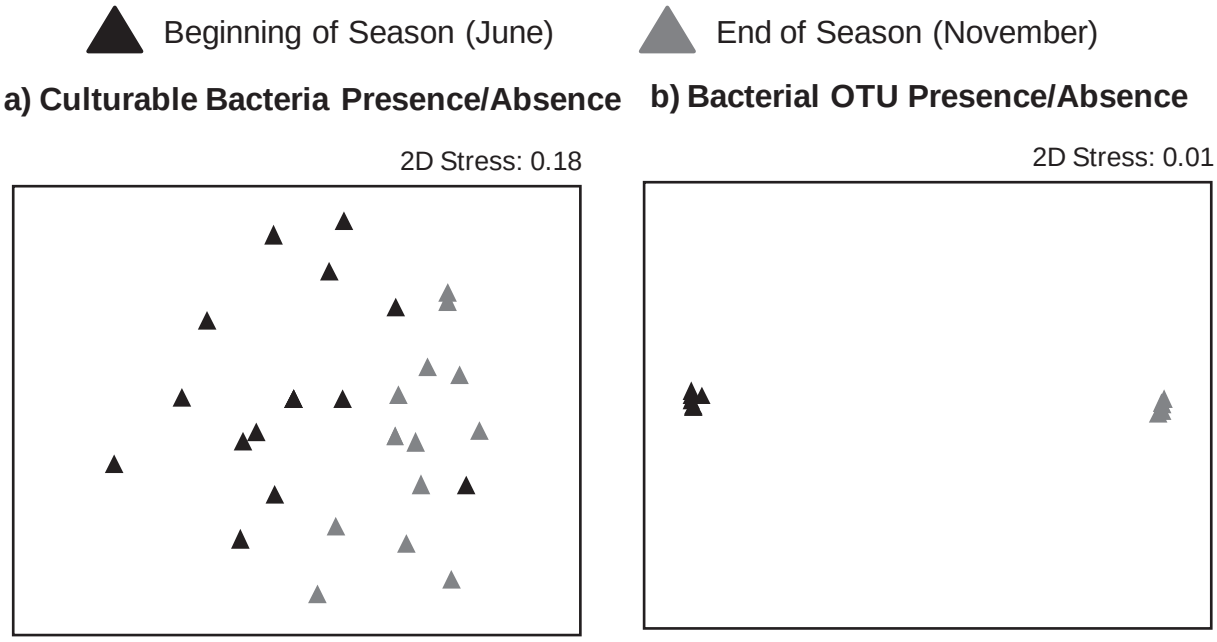

a) Presence/Absence Culturable Bacteria
2D Stress: 0.23
b) Presence/Absence Protozoans
2D Stress: 0.21
Month
June
July
August
September
October
November

Figure S3


Beginning of Season (June)
End of Season (November)
a) Culturable Bacteria Presence/Absence
2D Stress: 0.18
b) Bacterial OTU Presence/Absence
2D Stress: 0.01