

Dear Editor,

We have revised the manuscript based on the reviewer's suggestion. Below are our responses to his comments:

1 P5 ln 13 . Change 'Refield' to 'Redfield'

Response: Done.

2. P10 ln 12. "decreases in net growth rate". It looks to me that there is no net growth, in fact chlorophyll has been lost between day 1 and 2. I.e., net growth is negative.

Response: Done. We have changed it to "there were negative net growth rates ..."

3. P10, ln 18-19. "The small percentage of FPW addition (12.5%) was to ensure that the intitial chlorophyll-a concentration after FPW dilution is comparable with that of the control experiment." This sentence is confusing to me still. Is it the fact that 12.5% (I assume vol/vol addition) is a small volume that is important, or that the PW water is filtered and does not add chl to the experiment that is the key?

Response: Both the small volume and the filtered PW are important, which will ensure that the initial chlorophyll-*a* will neither be promoted by the addition nor be diluted too much by the addition. We have clarified this in the revised manuscript.

Sincerely,

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