

Biogeosciences Discuss., author comment AC2
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Reply on RC1

Nisan Sariaslan and Martin R. Langer

Author comment on "Atypical, high-diversity assemblages of foraminifera in a mangrove estuary in northern Brazil" by Nisan Sariaslan and Martin R. Langer, Biogeosciences Discuss., <https://doi.org/10.5194/bg-2021-56-AC2>, 2021

Thank you for your positive reply and constructive comments.

As you pointed out, the methodology and quantitative analysis follows the standard statistical methods in foraminiferal research (~300 specimens per sample). The total number of individuals picked and analyzed from each sample even exceeds the standard of 300 specimens (see Table 1 in the manuscript). To further standardize the number of individuals, picking was limited to a weight of 0.05 g of washed and dried sediment. The low amount of sediment picked to obtain more than 300 individuals shows that this mangrove material is particularly rich in benthic foraminifera, and is reflected in the atypical and high diversity assemblages. By providing the standard sample weight in the revised version, we eliminate a potential analytical bias and are grateful for bringing this to our attention. As outlined in the paper, the total number of picked specimens resulted in the highest diversity of benthic foraminifera recorded so far in true mangrove environments.