

Interactive comment on “High bacterial organic carbon uptake in the Eastern Tropical South Pacific oxygen minimum zone” by Marie Maßmig et al.

Marie Maßmig et al.

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Dear Gordon Taylor,

Thank you for pointing to this misleading sentence, since the term “volumetric rate” does not explicitly express that the differences between hydrolytic rates in oxic and anoxic waters was explained by different particulate organic matter concentrations in the reference Taylor et al. 2009. Therefore, we will add more detailed information in the following version of our manuscript:

“For instance, volumetric rates of protein hydrolysing enzymes (peptidases) did not

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differ between oxic and anoxic incubations of Baltic Sea water (Hoppe et al., 1990). Hydrolytic rates in Cariaco waters were significantly higher in oxic compared to anoxic waters, however this difference did not persist after the normalization to particulate organic matter concentrations (Taylor et al., 2009).“

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