

Interactive comment on “Long-distance electron transport occurs globally in marine sediments” by Laurine D. W. Burdorf et al.

Anonymous Referee #1

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Burdorf and Co-workers describe and discuss the distribution of Cable bacteria and the associated e-sox in marine environments. In addition they provide a description of the current methodology used to access the bacteria and electrogenic sulfur oxidation process. Their description of cable and e-sox abundance is partly based on published data but also to a large extent on currently unpublished data collected by the authors. Although a similar survey is included in the Malkin 2014 paper the study of Burdorf et al. is justified by the systematic inclusion of data from a variety of marine environments which has not been screened for cable bacteria before. The study provides a good overview of the distribution of cable bacteria and e-sox in the marine environment and given the novelty of the discovery of the bacteria and the process such an overview is important. I therefore recommend publication.

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