

**Early skeletal colonization of the coral holobiont by the microboring Ulvophyceae
Ostreobium sp.**

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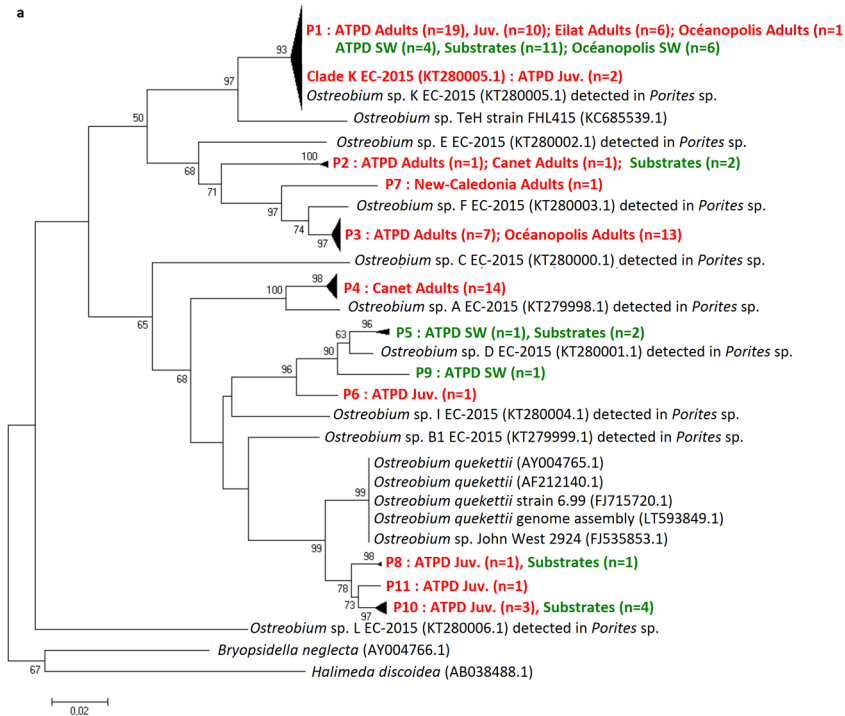
Keywords: euendoliths, microborers, *Ostreobium* clades, coral skeleton, coral larval settlement, *Pocillopora damicornis*, colonization dynamics

SUPPLEMENTARY INFORMATION FOR MS SREP-17-34892A by Massé et al

Legend of the Supplementary Figure 1:

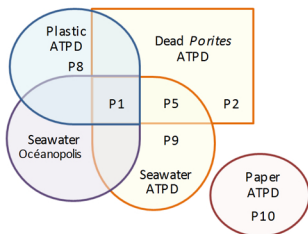
Phylogeny of *Ostreobium* sp. *rbcL* in *P. damicornis* adults and juveniles (Juv) (in red), their settlement substrates and seawater (SW) (in green). **a.** Maximum likelihood tree based on 578 nt *rbcL* sequence analysis: cloned OTUs (>99% similarity) were aligned with reference type strains and *Ostreobium* clones from Red Sea massive corals, with two Bryopsidales as outgroup (500 bootstraps). **b.** *Ostreobium* clades in pre-colonized substrates and in SW. **c.** Site-specific distribution of *Ostreobium* clades in *P. damicornis* type *beta* from three French aquaria, compared to those in *P. verrucosa* from Eilat Red Sea and *Pocillopora* sp. from New Caledonian reefs.

a



b

Origin of the colonization of living corals
 by *Ostreobium* sp.
Substrates and Seawater



c

Site specificity of *Ostreobium* sp.
 in living corals

