



**FIGURE S1** | Sea surface temperature (SST) recorded with a data logger (HOBO Tidbit UTBI-001) fixed at 1 m deep in the rocky shores of Praia Grande, Arraial do Cabo, Rio de Janeiro (PELD-RECA). Area in green ( $\leq 18$  °C) are considered under the influence of upwellings of SACW (South Atlantic Central Water).



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