**S1 Table: The operational taxonomic units (OTUs) and their description for the benthic groups classified on the settlement tiles.**

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| OperationalTaxonomic Unit | Description | Group |
| Macro algae | Any macrophyte with a thicker, fleshy appearance, where the lamina was clearly visible with the naked eye. | Non-calcifying algae |
| Turf algae | A multi-species assemblage of filamentous algae with little to no structure observable with the naked eye. Often sediment laden.  | Non-calcifying algae |
| Cyanobacteria | Filamentous cyanobacteria. | Non-calcifying algae |
| Green filamentous algae | Filamentous algae, more sparsely spaced than the turf algae group and exclusively from the phylum Chlorophyta. Only observed on the upper surface of the tiles. | Non-calcifying algae |
| Brown filamentous algae | Filamentous algae, exclusively from the phylum Phaeophyta. Only observed on the upper surface of the tiles. | Non-calcifying algae |
| Crustose coralline algae (CCA) | Non-erect, calcifying members of the order Corallinales.  | Calcifying algae |
| *Peyssonnelia spp.* | Any members of the genus *Peyssonnelia.* | Calcifying algae |
| Bivalves | Any sessile members of the class Bivalvia. | Calcifying invertebrate |
| Bryozoa  | Any members of the phylum Bryozoa. | Calcifying invertebrate |
| Foraminifera | Any sessile members of the phylum Foraminifera. | Calcifying invertebrate |
| Polychaeta | Any sessile, tube-forming members of the class Polychaeta  | Calcifying invertebrate |
| Ascidians | Any members of the class Ascidiacea. | Non-calcifying invertebrate |
| Sponges | Any members of the phylum Porifera. | Non-calcifying invertebrate |
| Empty space | Unoccupied space where the PVC settlement tile was clearly visible.  | Analysed separately |
| Unidentified  | Taxa that could not be identified from the photographs. | Not analysed  |

Some OTUs were further classified into more general grouping for analysis (Group).