

DESCRIPTION OF SUPPLEMENTARY DATA FILES

Name: Supplementary Data 1

Description: Figure 2 source data

data_Fig2_new

Environmental variation across the Great Barrier Reef (GBR) for the peaks of the two seasons for parameters retrieved from the eReefs platform, covering several reef locations (Microbial and LTMP) classified into distinct reef categories (Clust), and their geographical coordinates.

Name: Supplementary Data 2

Description: Figure 3a source data

data_Fig3a_new

Diversity indices for microbial communities sampled for several reefs (Microbial sites) across the Great Barrier Reef (GBR)

Name: Supplementary Data 3

Description: Figure 4b source data

data_Fig4_for_suppl.

Average relative abundance of dominant bacterial families across the Great Barrier Reef (GBR) reef categories and for two seasonal peaks.

Name: Supplementary Data 4

Description: Figure 5 source data

data_Fig5a_new

Spearman correlations between individual environmental parameters and the relative abundance of dominant individual bacterial families for the Great Barrier Reef (GBR) and two seasonal peaks, including associated p-value, adjusted p-value and significance of correlation.