

Euryarchaeota (1) Thaumarchaeota (2) Acidobacteria (3) Actinobacteria (4) Bacteroidetes, Candidatus Amoebophilus (5) Bacteroidetes, Flavobacteria (6) other Bacteroidetes (7) Chloroflexi (8) Cyanobacteria, Synechococcus (9) other Cyanobacteria (10) Firmicutes, Clostridiales (11) other Firmicutes (12) Fusobacteria (13) Gemmatimonadetes (14) Nitrospirae (15) Planctomycetes (16) Alphaproteobacteria, Rhizobiales (17) Alphaproteobacteria, Rhodobacteraceae (18) Alphaproteobacteria, Rhodospirillales (19) other Alphaproteobacteria (20) Betaproteobacteria, Ralstonia (21) other Betaproteobacteria (22) Deltaproteobacteria, Desulfobacterales (23) Deltaproteobacteria, Myxococcales (24) Deltaproteobacteria, Sh765B-TzT-29 (25) other Deltaproteobacteria (26) Epsilonproteobacteria (27) Gammaproteobacteria, Alteromonadales (28) Gammaproteobacteria, Endozoicomonas (29) Gammaproteobacteria, Photobacterium (30) Gammaproteobacteria, Vibrio (31) Gammaproteobacteria, JTB255 marine benthic (32) other Gammaproteobacteria (33) other Proteobacteria (34) Spirochaetae (35) Tenericutes (36) Verrucomicrobia (37) Other Bacteria (38)

Figure S4. Percentage of major taxonomic groups of archaea and bacteria recovered from tissue and mucus fractions from *Montastrea cavernosa*. A number corresponding to taxonomic affiliation is listed for select groups that are consistently associated with a habitat.