



**Figure 1. Map of coral core extraction sites on the Mesoamerican Reef. Forereef coring sites include FR-02, FR-04, FR-05, FR-09 and FR-11 through FR-13. Backreef coring sites include BR-06 through BR-08. Nearshore reef coring sites include NS-14 through NS-16. Nearshore sites are ,30 to 40 km from backreef and forereef sites. Backreef coring sites are separated from forereef sites by the reef crest over distances ranging from ,1.0 to 4.5 km. doi:10.1371/journal.pone.0014615.g001**