## **Ecology**

Appendix S3: Additional details from experiment testing the effects of fish consumers on juvenile corals

## Priority effects in coral-macroalgae interactions can drive alternate community paths in the absence of top-down control

Thomas C. Adam<sup>1\*</sup>, Sally J. Holbrook<sup>1,2</sup>, Deron E. Burkepile<sup>1,2</sup>, Kelly E. Speare<sup>2</sup>, Andrew J.

Brooks<sup>1</sup>, Mark C. Ladd<sup>1,3</sup>, Andrew A. Shantz<sup>4</sup>, Rebecca Vega Thurber<sup>5</sup>, Russell J. Schmitt<sup>1,2</sup>

<sup>1</sup>Marine Science Institute, University of California, Santa Barbara, California 93106, USA

<sup>2</sup>Department of Ecology, Evolution, and Marine Biology, University of California, Santa Barbara, California 93106, USA

<sup>3</sup>NOAA – National Marine Fisheries Service, Southeast Fisheries Science Center, Key Biscayne, FL 33149, USA

<sup>4</sup>Florida State University Coastal and Marine Laboratory, St. Teresa, FL, USA

<sup>&</sup>lt;sup>5</sup>Department of Microbiology, Oregon State University, Corvallis, OR, USA

<sup>\*</sup>corresponding author: thomascadam@gmail.com

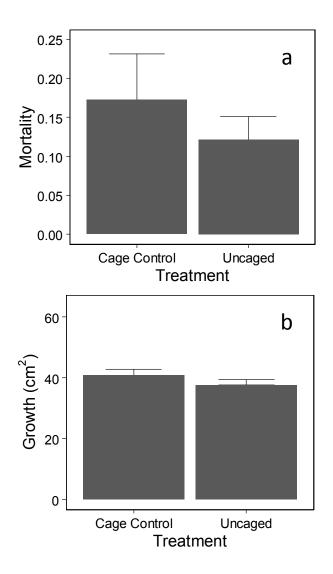


Figure S1. Comparison of (a) mortality (mean + SE) and (b) growth (mean + SE) rates of juvenile *Pocillopora* spp. corals between the uncaged treatment and the cage control from 2-year experiment manipulating access by herbivorous and corallivorous fishes to juvenile corals in 37 cm x 37 cm x 12 cm cages (N = 10 cages per treatment). There were no significant differences in mortality ( $F_{1,9} = 0.61$ , P = 0.46) or growth ( $F_{1,9} = 0.75$ , P = 0.41) among the two treatments.