

Table S5. Two-way ANOVA comparing effects of fishing and chlorophyll-*a* on benthic taxonomic group percent cover.

| Source | df | SS | F | p | % variance explained |
|-----------------------|----|-------|-------|--------|----------------------|
| Coral | | | | | |
| Fishing | 1 | 0.000 | 0.00 | 0.977 | 0 |
| Chlorophyll- <i>a</i> | 1 | 0.028 | 1.75 | 0.201 | 3.3 |
| Interaction | 1 | 0.000 | 0.05 | 0.821 | 0 |
| Residual | 20 | 0.315 | | | |
| Total | 23 | 0.344 | | | |
| CCA | | | | | |
| Fishing | 1 | 0.015 | 0.98 | 0.335 | 0 |
| Chlorophyll- <i>a</i> | 1 | 0.279 | 17.56 | <0.001 | 40.0 |
| Interaction | 1 | 0.029 | 1.84 | 0.190 | 2.0 |
| Residual | 20 | 0.318 | | | |
| Total | 23 | 0.641 | | | |
| Turf | | | | | |
| Fishing | 1 | 0.001 | 0.04 | 0.838 | 3.1 |
| Chlorophyll- <i>a</i> | 1 | 0.219 | 10.24 | 0.004 | 34.1 |
| Interaction | 1 | 0.035 | 1.66 | 0.212 | 8.1 |
| Residual | 20 | 0.427 | | | |
| Total | 23 | 0.683 | | | |
| Macroalgae | | | | | |
| Fishing | 1 | 0.049 | 4.86 | 0.039 | 10.3 |
| Chlorophyll- <i>a</i> | 1 | 0.112 | 11.06 | 0.003 | 26.9 |
| Interaction | 1 | 0.005 | 0.51 | 0.483 | 0 |
| Residual | 20 | 0.203 | | | |
| Total | 23 | 0.370 | | | |