

Supplementary Information for

Relationships between a common Caribbean corallivorous snail and protected area status, coral cover, and predator abundance

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Supplementary Table S1. Densities of *Coralliophila abbreviata* (number per m²) and coral cover (%; mean $\pm$ SD) for all sites surveyed.

Supplementary Table S2. Results from negative binomial general linear models of *Coralliophila abbreviata* abundance versus potential snail predators. Bolded values are significant after the Bonferroni correction.

Supplementary Table S1. Densities of *Coralliophila abbreviata* (number per m²) and coral cover (%; mean $\pm$ SD) for all sites surveyed.

Reef Site	Protection Status	<i>C. abbreviata</i> density	Coral Cover
Conch Reef	Fishing allowed	0.26	0.93 $\pm$ 0.93
Horseshoe Reef	Fishing allowed	0.16	0.66 $\pm$ 0.46
American Reef	Fishing allowed	0.16	0.92 $\pm$ 0.73
Pickles Reef	Fishing allowed	0.16	1.45 $\pm$ 1.38
Crocker Reef	Fishing allowed	0.09	0.60 $\pm$ 0.50
Delta Shoals	Fishing allowed	0.10	0.98 $\pm$ 0.63
Molasses Reef	SPA / No-take	0.10	1.96 $\pm$ 1.16
Western Sambo	SPA / No-take	0.15	4.07 $\pm$ 2.53
Carysfort Reef	SPA / No-take	0.08	2.16 $\pm$ 1.20
Conch Reef SPA	SPA / No-take	0.04	0.88 $\pm$ 0.58
Looe Key	SPA / No-take	0.13	4.93 $\pm$ 4.50
Alligator Reef	SPA / No-take	0.03	0.77 $\pm$ 0.52

Supplementary Table S2. Results from negative binomial general linear models of *Coralliophila abbreviata* abundance versus potential snail predators. Bolded values are significant after the Bonferroni correction.

Common Name	Species	Coefficient (SE)	df	P-value
Black Margate	<i>Anisotremus surinamensis</i>	-0.061 (0.012)	11	< 0.0001
Porkfish	<i>Anisotremus virginicus</i>	0.017 (0.027)	11	0.518
Spanish Hogfish	<i>Bodianus rufus</i>	-0.021 (0.023)	11	0.359
Porcupinefish	<i>Diodon hystrix</i>			
Slippery Dick	<i>Halichoeres bivittatus</i>	0.002 (0.004)	11	0.529
Caesar Grunt	<i>Haemulon carbonarium</i>	-0.001 (0.004)	11	0.891
Spanish Grunt	<i>Haemulon macrostomum</i>	-0.058 (0.032)	11	0.069
Sailor's Choice	<i>Haemulon parra</i>	-0.074 (0.127)	22	0.560
White Grunt	<i>Haemulon plumineri</i>	-0.001 (0.002)	11	0.368
Puddingwife	<i>Halichoeres radiatus</i>	-0.030 (0.020)	11	
Bluestriped Grunt	<i>Haemulon sciurus</i>	0.0001 (0.001)	11	0.848
Hogfish	<i>Lachnolaimus maximus</i>	-0.019 (0.061)	11	0.758
Spiny Lobster	<i>Panulirus argus</i>	-0.289 (0.052)	11	< 0.0001