Figure S1. Correlation analysis of metrics for statistical analyses.

Table S2. Results of full multiple linear regression equations for all taxa using the equation: Percent ~ NDVI + CV$_{SST}$ + NDVI*CV$_{SST}$. Results that are significant at α = 0.05 are in bold, while those that are significant at α = 0.10 are in italics.

Note that for taxa that were not present at all sites, these results may differ from the tobit regression results presented in the manuscript (tobit regressions are more accurate).

Category	Residual Standard Error	Multiple R^2	Adjusted R^2	F$_{3,36}$	p-value
Hard coral taxa					
All live coral	**11.73**	**0.31**	**0.25**	**5.32**	**<0.01**
Acropora	*0.04*	*0.16*	*.09*	*2.22*	*0.10*
Favids	**<0.01**	**0.28**	**0.22**	**4.74**	**<0.01**
Heliopora	**2.63**	**0.32**	**0.27**	**5.72**	**<0.01**
Isopora	**1.94**	**0.78**	**0.21**	**4.39**	**0.01**
Pocillopora	**0.95**	**0.51**	**0.47**	**12.65**	**<0.01**
Massive Porites	**7.54**	**0.21**	**0.15**	**3.26**	**0.03**
Porites rus	**9.382**	**0.57**	**0.53**	**15.60**	**<0.01**
Macroalgae taxa					
All macroalgae	*17.58*	*0.19*	*0.13*	*2.87*	*0.05*
Halimeda	**14.00**	**0.23**	**0.16**	**3.49**	**0.03**
Hypnea	**3.79**	**0.21**	**0.15**	**3.27**	**0.03**
Lobophora	5.06	0.10	0.03	1.36	0.27
Microdictyon	*5.63*	*0.19*	*0.12*	*2.77*	*0.06*
Other categories					
CCA	3.92	0.16	0.09	2.29	0.10
Corallimorphs	**1.89**	**0.40**	**0.35**	**7.85**	**<0.01**
Cyanobacteria	**4.37**	**0.45**	**0.40**	**9.79**	**<0.01**
Sponges	**0.01**	**0.37**	**0.32**	**7.06**	**<0.01**
Turf algae	*12.52*	*0.16*	*0.09*	*2.32*	*0.09*