

Table S1. Results of two-way ANOVA on principal component (PC) 1 and 2 scores for treatment (baseline 2018, control 2021 and outplant 2021) and site (Rayban and Mojo), and their interaction. Asterisk indicates a significant difference (P-value < 0.05). DF = degrees of freedom.

		DF	Sum Sq	Mean Sq	F-value	P-value
PC1	Site	1	2927451	2927451	70.327	<0.001*
	Treatment	2	1435849	717925	17.247	<0.001*
	Site×Treatment	2	137795	68898	1.655	0.232
	Residuals	12	499514	41626		
PC2	Site	1	3425	3425	0.024	0.878
	Treatment	2	68431	34215	0.244	0.787
	Site×Treatment	2	276153	138076	0.986	0.402
	Residuals	12	1681198	140100		

Table S2. Results of one-way ANOVA on hard coral cover, species richness and Shannon-Wiener diversity index between treatments (baseline 2018, control 2021 and outplant 2021) at each site (Rayban and Mojo). A Tukey's HSD post hoc test is presented for ANOVA results which returned a significant p-value (P-value < 0.05), indicated by an asterisk. DF = degrees of freedom.

One-Way Analysis of Variance (ANOVA)						
		DF	Sum Sq	Mean Sq	F-value	P-value
Rayban	Hard Coral Cover					
	Treatment	2	0.027	0.014	1.302	0.339
	Residuals	6	0.063	0.010		
	Species Richness					
	Treatment	2	144.900	72.440	7.494	0.023*
	Residuals	6	58.000	9.670		
	Shannon-Wiener Diversity Index					
	Treatment	2	0.234	0.117	8.120	0.020*
	Residuals	6	0.086	0.014		
Mojo	Hard Coral Cover					
	Treatment	2	0.084	0.042	8.063	0.020*
	Residuals	6	0.031	0.005		
	Species Richness					
	Treatment	2	208.220	104.110	6.462	0.032*
	Residuals	6	96.670	16.110		
Shannon-Wiener Diversity Index						

	Treatment	2	285.300	142.640	6.338	0.033*	
	Residuals	6	135.000	22.510			
Tukey's Post Hoc Test							
Rayban	Treatment	Difference	Lower Bound	Upper Bound	P-value		
	Species Richness						
	Baseline vs Control	7.333	-0.456	15.122	0.062		
	Baseline vs Outplant	9.333	1.544	17.122	0.024*		
	Control vs Outplant	2.000	-5.789	9.789	0.724		
	Shannon-Wiener Diversity Index						
	Baseline vs Control	0.351	0.050	0.652	0.027*		
	Baseline vs Outplant	0.333	0.032	0.633	0.034*		
	Control vs Outplant	-0.018	-0.319	0.282	0.981		
	Mojo	Hard Coral Cover					
Baseline vs Control		-0.094	-0.275	0.087	0.315		
Baseline vs Outplant		0.141	-0.040	0.322	0.118		
Control vs Outplant		0.235	0.054	0.416	0.017*		
Species Richness							
Baseline vs Control		9.670	-0.389	19.722	0.058		
Baseline vs Outplant		10.670	0.611	20.722	0.040*		
Control vs Outplant		1.000	-9.056	11.056	0.950		
Shannon-Wiener Diversity Index							
Baseline vs Control		12.842	0.956	24.727	0.037*		
Baseline vs Outplant		10.775	-1.110	22.661	0.071		
Control vs Outplant		-2.066	-13.952	9.819	0.858		

Table S3. Results of Welch Two Sample T-test between settled recruit abundance and richness, and Permutation test between diversity indices of Rayban and Mojo. P-value < 0.05 was considered significant.

Welch Two Sample T-test			
	t	DF	P-value
Abundance	-0.530	7.987	0.611
Richness	0.000	7.391	1.000
Permutation Test			
	P-value		
Shannon-Wiener Diversity Index	0.650		

Table S4. Results of two-way ANOVA on established coral recruit abundance, richness and diversity (Shannon-Wiener Index) by treatment (control and outplant 2021) and site (Rayban and Mojo). Asterisk indicates a significant difference (P-value < 0.05).

		DF	Sum Sq	Mean Sq	F-value	P-value
Abundance	Site	1	5292	5292	5.332	0.050*
	Treatment	1	3	3	0.003	0.958
	Site×Treatment	1	408	408	0.411	0.539
	Residuals	8	7939	992		
Richness	Site	1	65.33	65.33	4.695	0.062
	Treatment	1	5.33	5.33	0.383	0.553
	Site×Treatment	1	3.00	3.00	0.216	0.655
	Residuals	8	111.33	13.9		
Shannon-Wiener Diversity Index	Site	1	0.558	0.5558	14.147	0.006*
	Treatment	1	0.076	0.076	1.912	0.204
	Site×Treatment	1	0.004	0.004	0.105	0.755
	Residuals	8	0.316	0.040		

Table S5. Results of two-sample Kolmogorov-Smirnov test on *Acropora intermedia/muricata*, *Acropora millepora/spathulata*, and *Pocillopora verrucosa* distributions at outplant and control areas of Rayban and Mojo. Asterisk indicates significant differences between distributions (P-value < 0.05).

Distribution Comparison	Species group	D-value	P-value
Rayban Control vs Outplant	<i>A. intermedia/muricata</i>	0.276	0.004*
	<i>A. millepora/spathulata</i>	0.231	0.125
	<i>P. verrucosa</i>	0.223	0.023*
Mojo Control vs Outplant	<i>A. intermedia/muricata</i>	0.226	0.028*
	<i>A. millepora/spathulata</i>	0.299	0.025*
	<i>P. verrucosa</i>	0.086	0.666

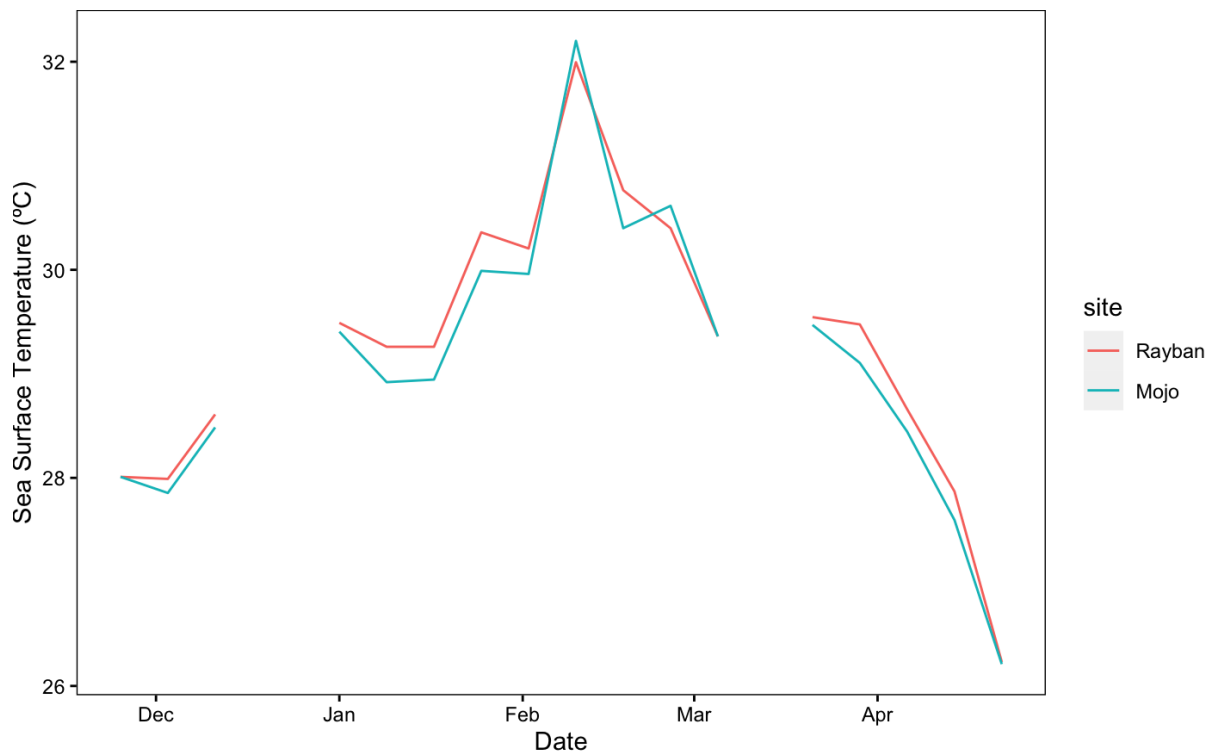


Figure S1. Average sea surface temperature profiles for Rayban and Mojo from December 2015 to April 2016. Sea surface temperature (SST) data were extracted from the GIOVANNI online system for satellite-derived data available from NASA, collected by the Moderate Resolution Imaging Spectroradiometer (MODIS-AQUA) and averaged over 8-day intervals within a 4km area.

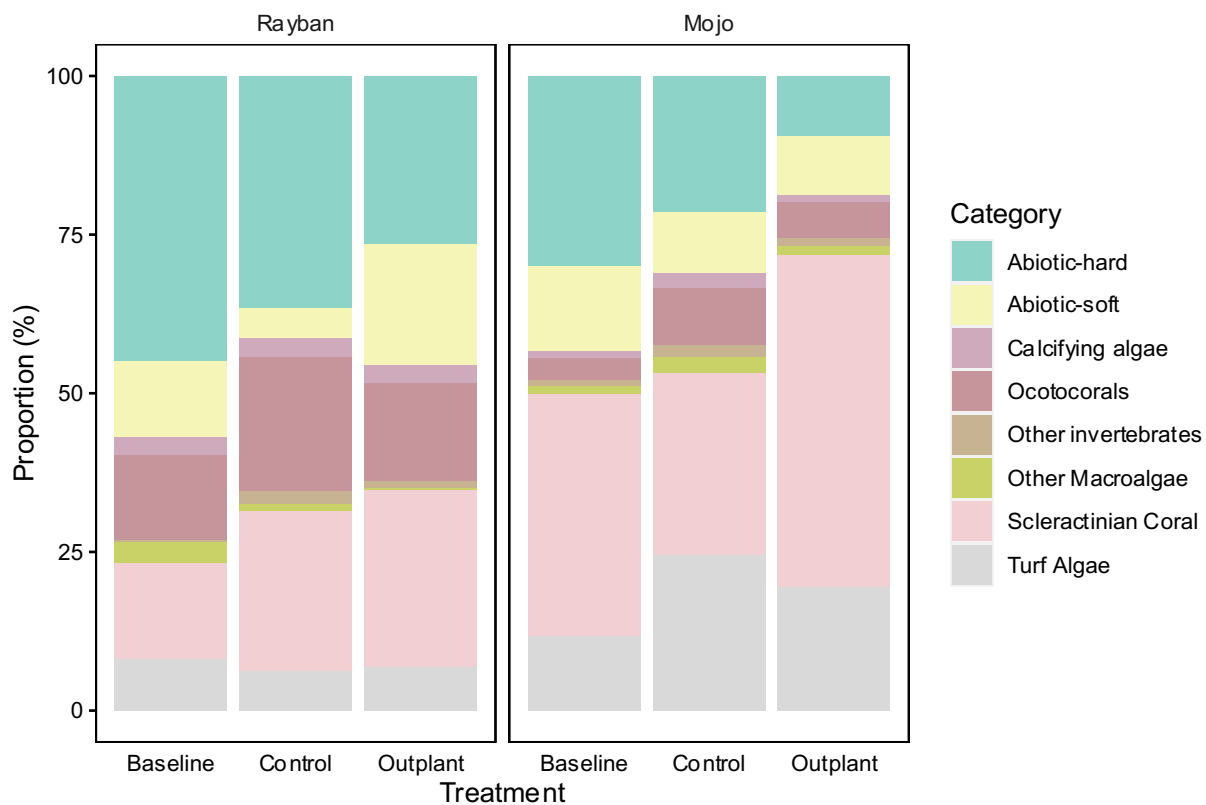


Figure S2. Proportional composition of benthic categories in the 2018 baseline, 2021 control and 2021 outplant treatments at Rayban and Mojo ($n = 3$ transects per treatment, 60m^2 per transect).

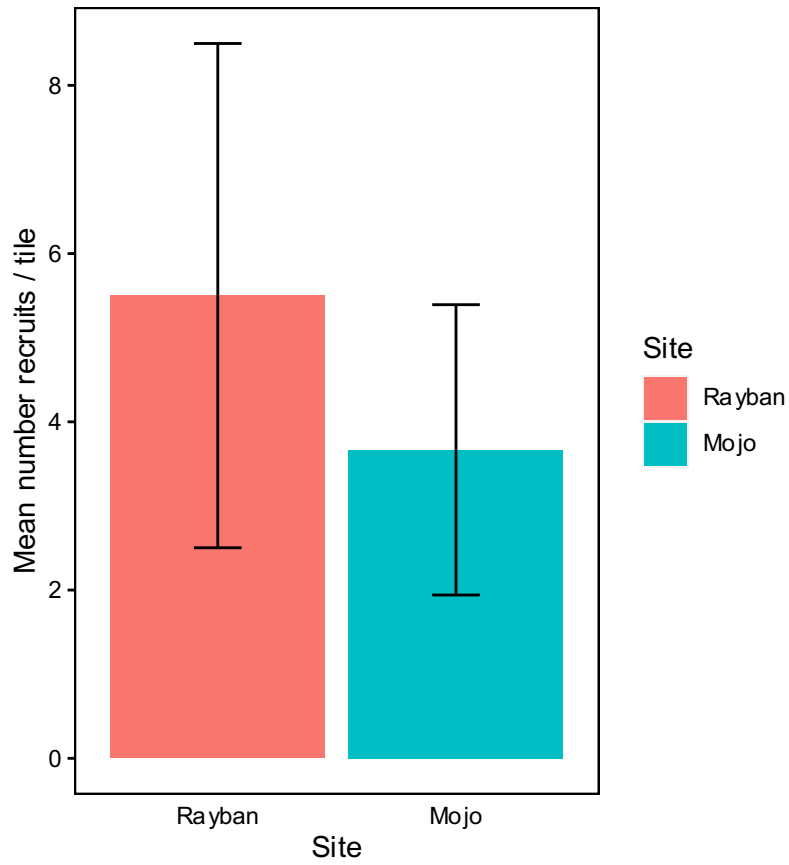


Figure S3. Mean number of settled coral recruits per tile by site (Rayban and Mojo). Error bars represent standard error, $n = 6$ tiles per site.

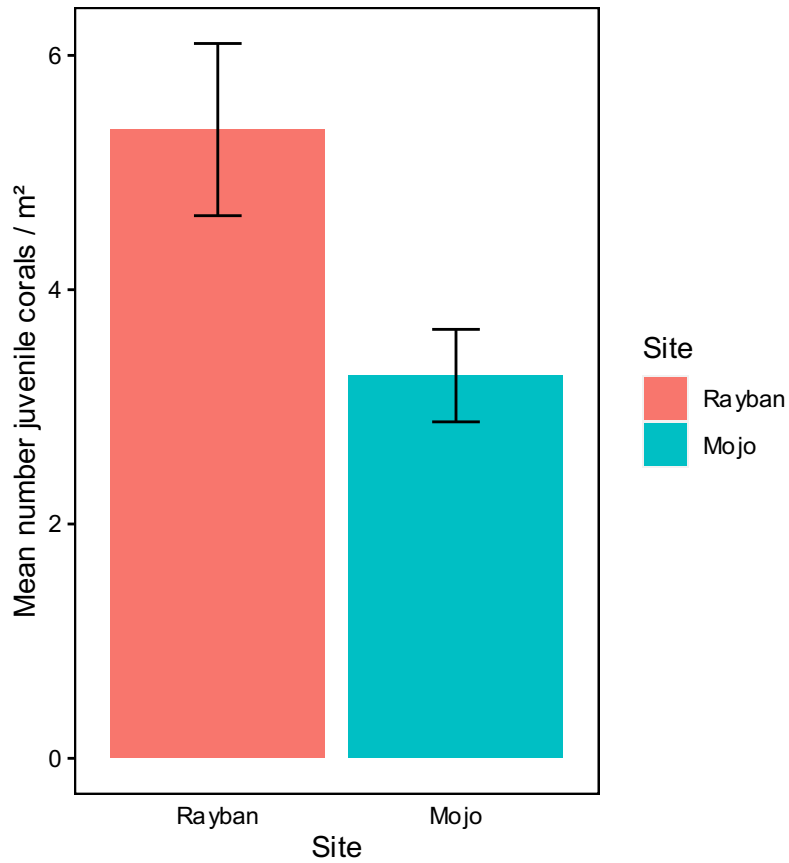


Figure S4. Mean number of juvenile corals per m² by site (Rayban and Mojo), pooled across control 2021 and outplant 2021 treatments. Error bars represent standard error, $n = 6$ transects per site, 20m² per transect.