

Supplemental Information for:

Genetic and epigenetic insight into morphospecies in a reef coral

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Table S1. *Porites* spp. specimen data. For descriptions of habitat types on the Belize Barrier Reef refer to Rützler & Macintyre (1982).

Sample #	Coordinates	Habitat	Depth (m)	Symbiont clade	Branch diameter (mm)	Genetic group
101	N 16° 48.126', W 88° 4.729'	Lower spur & groove	7.9	C	19.5	2
103	N 16° 48.294', W 88° 4.666'	Inner reef slope	16.2	C	10.5	3
104	N 16° 48.294', W 88° 4.666'	Inner reef slope	16.5	C	9	1
105	N 16° 46.792', W 88° 4.599'	Lower spur & groove	9.8	C	11.5	2
106	N 16° 46.792', W 88° 4.599'	Lower spur & groove	7.0	C	17	2
107	N 16° 46.821', W 88° 4.521'	Inner reef slope	12.5	C	11.5	3
108	N 16° 48.120', W 88° 4.751'	Upper spur & groove	7.0	NoAmp	10.5	3
109	N 16° 46.821', W 88° 4.521'	Inner reef slope	14.6	C	10	1
110	N 16° 48.146', W 88° 4.658'	Inner reef slope	14.0	C	14	2
111	N 16° 48.120', W 88° 4.751'	Upper spur & groove	7.9	C	14	2
112	N 16° 46.571', W 88° 4.524'	Lower spur & groove	8.5	C	13	3
114	N 16° 46.798', W 88° 4.511'	Outer ridge	15.5	C	9	1
115	N 16° 48.354', W 88° 4.998'	Backreef	1.2	C	20	2
116	N 16° 48.354', W 88° 4.998'	Backreef	1.2	NoAmp	10	3
117	N 16° 48.354', W 88° 4.998'	Backreef	1.2	A	13	3
118	N 16° 49.645', W 88° 6.364'	Mangrove	0.6	C	7	3
121	N 16° 49.645', W 88° 6.364'	Mangrove	0.6	C	7.5	3
122	N 16° 49.645', W 88° 6.364'	Mangrove	0.6	C	6	1
123	N 16° 48.181', W 88° 4.885'	Backreef	0.8	C	21	2
124	N 16° 48.115', W 88° 4.983'	Lagoon/cut	4.6	C	16.5	3
125	N 16° 46.798', W 88° 4.511'	Outer ridge	16.5	C	10	1
126	N 16° 46.798', W 88° 4.511'	Outer ridge	17.4	C	26	2
127	N 16° 48.115', W 88° 4.983'	Lagoon/cut	2.7	A	15	2
128	N 16° 48.181', W 88° 4.885'	Backreef	0.6	NoAmp	10	3
129	N 16° 48.115', W 88° 4.983'	Turtlegrass	0.9	A	10.5	3
130	N 16° 48.181', W 88° 4.885'	Backreef	0.8	C	17.5	2
131	N 16° 48.181', W 88° 4.885'	Turtlegrass	0.5	A	10	3

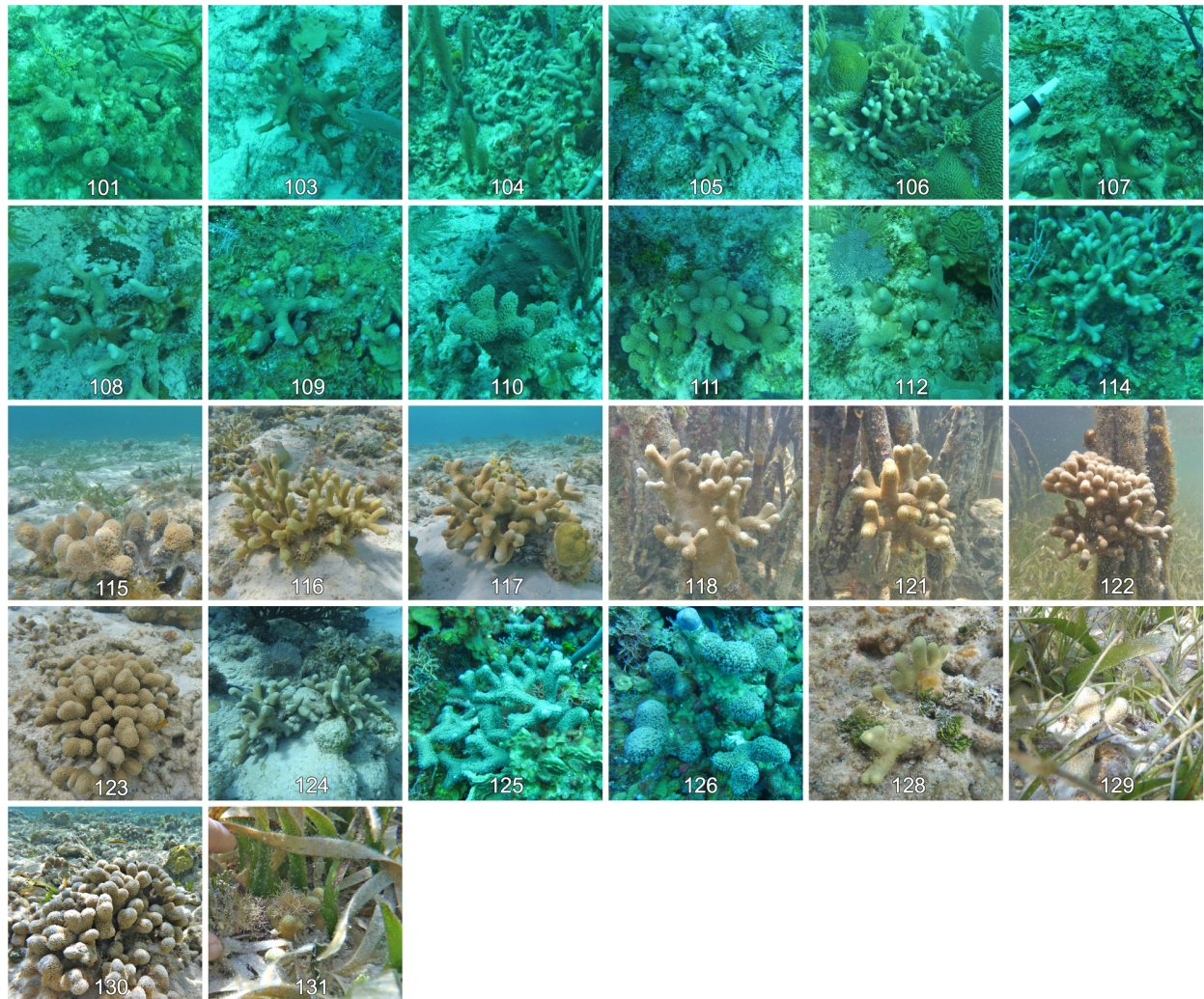


Figure S1. Specimen images. All specimens analyzed except #127 are shown. Full size images can be accessed at <https://doi.org/10.5281/zenodo.801550>.

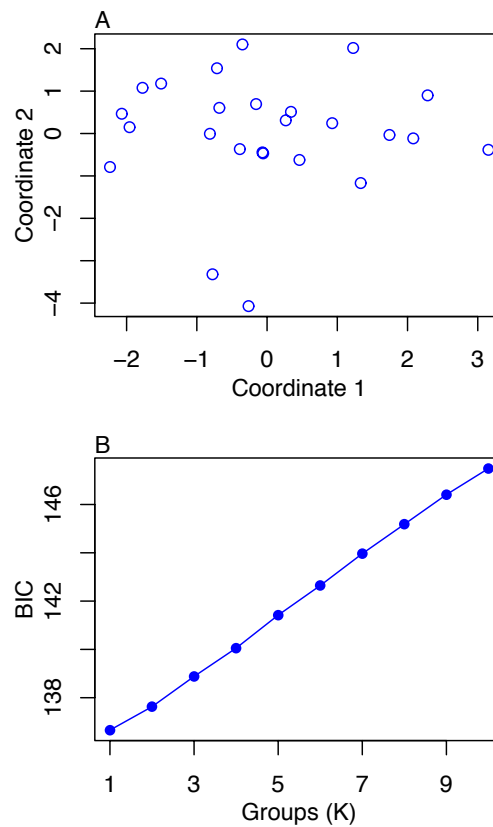


Figure S2. Examining patterns in *Porites* spp. CpG methylation. (A) Multidimensional scaling plot of multilocus epi-genotypes in the specimens. Each point represents a specimen. Distances between points represent Euclidean distances projected in two dimensions. (B) Results of *find.clusters* analysis on multilocus epi-genotypes identifying optimal number of groups. $K = 1$ groups was determined to be optimal based on the lowest value of the Bayesian information criterion (BIC). In other words, this analysis did not find any epigenetic structuring.

Literature cited

Rützler K, Macintyre I (1982) The habitat distribution and community structure of the barrier reef complex at Carrie Bow Cay, Belize. In: *The Atlantic barrier reef ecosystem at Carrie Bow Cay, Belize, I. Structure and communities.* , pp. 9–45.