

Supplementary Table 1. *Madracis auretenra* sampling information for the 18 Caribbean Sea localities. MPA: Marine protected area name. The number of the samples belong to final set of 313 used in the data analysis after clone's removal.

<i>Country</i>	<i>Department</i>	<i>Location</i>	<i>ID</i>	<i>Coordinates</i>	<i>Samples used</i>	<i>MPA</i>	<i>CITES PERMIT</i>
<i>Guatemala</i>	Izabal	Puerto_Barrios	GUA	15.8887278, 88.1610778	23	Refugio de Vida Silvestre Punta Manabique	000605 (14 th April 2019) 41449 (25th January 2017) 43908 (6th May 2019)
	SAI	Albuquerque	ALB	12.13972, 81.86388	16	Reserva de la Biósfera Seaflower	
<i>Colombia</i>	Uraba Chocoano	Cabo Tiburón	CT	8.67027778, 77.3586111	11	Outside	
	Cordoba	ISLA FUERTE	FUERTE	9.4058333, 76.200278	13	Corales del Rosario y de San Bernardo	
	Bolivar	Varadero	VAR	10.309722, 75.58916	21	Outside	
		Punta Bota	PB	10.2872222, 75.5944444	16	Corales del Rosario y de San Bernardo	
		Punta Gigante	PG	10.2586111, 75.6136111	15	Corales del Rosario y de San Bernardo	
		Sr Juan	SrJUAN	10.26, 75.6175	13	Corales del Rosario y de San Bernardo	
		Baru	BARU	10.2552778, 75.62	11	Corales del Rosario y de San Bernardo	
		ISLAS DEL ROSARIO	ROSARIO	10.1680556, 75.62	10	Corales del Rosario y de San Bernardo	
	Magdalena	Chenge	CHENG	11.3255556, 74.1283333	13	Tayrona	
<i>Curacao</i>	Curacao	C_Site_A	CUR_A	12.3754444, 69.158025	18	Outside	Institutes CITES agreement between Carmabi Foundation and the London History Museum on 29 th of June 2018
		C_Site_B	CUR_B	12.2285167, 69.0927389	16	Outside	
		C_Site_C	CUR_C	12.1212139, 68.9696639	20	Outside	
		C_Site_D	CUR_D	12.04145, 68.8163806	20	CARMABI Marine Reserve	

Barbados

Barbados	Folkestone	FOL	13.190575, 59.6408389	24	Folkestone Marine Reserve	04210 (27 th of March 2019)
	Fisherman	FISH	13.1830167, 59.6471278	28	Outside	
	Dottins	DOTT	13.1791778, 59.6496639	25	Outside	