

The following supplement accompanies the article

Exceptionally high natal homing precision in hawksbill sea turtles to insular rookeries of the Caribbean

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Table S1: List of microsatellite loci used in present study with number of individuals genotyped (N), number of alleles (A), observed (H_O) and expected (H_E) heterozygosity, and polymorphic information content (PIC).

Locus	N	A	H_O	H_E	PIC
ERIM03	297	12	0.623	0.699	0.677
ERIM04	299	11	0.876	0.877	0.863
ERIM19	288	15	0.885	0.899	0.889
ERIM21	299	14	0.913	0.875	0.861
ERIM22	299	15	0.873	0.867	0.851
ERIM23	301	17	0.897	0.885	0.872
ERIM24	283	19	0.922	0.926	0.919
ERIM25	300	19	0.913	0.917	0.910
ERIM27	300	13	0.860	0.852	0.839
ERIM28	298	28	0.852	0.889	0.879
ERIM29	288	11	0.844	0.827	0.803
ERIM32	271	14	0.694	0.701	0.682

Table S2: List of the hawksbill turtle rookeries used in the present study with abbreviations, coastal type (insular or continuous), modified UNEP Isolation Index, mtDNA CR haplotype frequencies, sample size and reference to original study.

Rookery	Abbrev.	Coastline Type	Isolation Index	Haplotype (EiAXX)																								N	Reference			
				A01	A61	A02	A52	A03	A09	A11	A84	A12	A13	A18	A47	A20	A21	A22	A23	A41	A43	A27	A28	A29	A30	A32	A62			A63	A65	A72
Jumby Bay, Antigua	ANT-J	Insular	52.6	155			89		3						2													1	250	Present study		
Northern/Western Antigua	ANT-NW	Insular	52.6	15					1						1														17	Present study		
Southern Antigua	ANT-S	Insular	52.6	5			1		2					1							1								10	Present study		
Barbuda	BAR	Insular	54.5												18														18	Present study		
Barbados Leeward	BBL	Insular	49.7	54																									54	Browne et al. 2010		
Barbados Windward	BBW	Insular	49.7	3				6	21																				30	Browne et al. 2010		
Bahia/Sergipe, Brazil	BRB	Continuous	0.0	53	4																		9	1					67	Lara-Ruiz et al. 2006		
Pipa, Brazil	BRP	Continuous	0.0	21																					6				27	Vilaça et al. 2013		
Cabo de la Vela, Columbia	COL	Continuous	0.0	12			1	2	13																	1			29	Trujillo-Arias et al. 2014		
Tortuguero, Costa Rica	CRI	Continuous	0.0			11	1	3	33		5			6												1			60	LeRoux et al. 2012		
Doce Leguas, Cuba	CUB	Continuous	32.2	62					1			5											1		1				70	Diaz-Fernandez et al. 1999		
Jaragua NP, Dominican Republic	DRJ	Continuous	24.0	1				2	3						1						4		4						15	Carreras et al. 2013		
Saona Island, Dominican Republic	DRS	Continuous	28.3	3					22				2		6															33	Carreras et al. 2013	
Marie-Galante, Guadeloupe	GUA	Insular	51.8	2				69			1																			72	LeRoux et al. 2012	
Yucatan, Mexico	MEX	Continuous	0.0														2	16	1	1										20	LeRoux et al. 2012	
Pearl Cays, Nicaragua	NIC	Continuous	13.4			19			54	5																	1			95	LeRoux et al. 2012	
Mona Island, Puerto Rico	PRI	Continuous	40.8	3				2	60				1		34	6														109	Velez-Zuazo et al. 2008	
Tobago	TOB	Continuous	21.9	24				2	9													1		3				1		40	Cazabon-Mannette et al. 2016	
Buck Island, USVI	USV	Insular	45.3	8			2	2	50						4									1						67	LeRoux et al. 2012	
				421	4	30	1	93	88	272	5	6	5	3	8	65	6	2	21	1	25	1	3	1	2	9	7	1	1	1	1	1083