

**Table S2.** Leatherback turtles mitochondrial DNA control region sequences retrieved from GenBank.

Location	Abbreviation	Environment	Sample size	References
Thailand	THA	Nesting area	144	This study
			23	Dutton et al. (2013)
Brazil	nBRA	Nesting area	11	Vargas et al. (2008)
			2	Vargas et al. (2019)
Costa Rica	ACR	Nesting area	132	Dutton et al. (2013)
Florida	FLA	Nesting area	222	Dutton et al. (2013)
St. Croix	STX	Nesting area	123	Dutton et al. (2013)
Trinidad	TRI	Nesting area	87	Dutton et al. (2013)
French Guiana/Suriname	GUI	Nesting area	138	Dutton et al. (2013)
			39	Molfetti et al. (2013)
Guadaloupe and Martinica (French West Indies)	FWI	Nesting area	29	Molfetti et al. (2013)
Dominican Republic	DR	Nesting area	42	Carreras et al. (2013)
Ghana	GHA	Nesting area	60	Dutton et al. (2013)
Gabon	GAB	Nesting area	233	Dutton et al. (2013)
South Africa	SAF	Nesting area	41	Dutton et al. (2013)
Espirito Santo State (Brazil)	ES	Incidental capture or stranded samples collected on the beaches	8	Vargas et al. (2019)
Southern Brazil (Brazil)	SB	foraging ground, Incidental capture or Stranded samples collected on the beaches	52	Vargas et al. (2008)
			42	Vargas et al. (2019)
Buenos Aires	BA	Foraging ground	33	Prosdocimi et al. (2014)
Japan	JP	Stranded samples collected on the beaches	16	Yoshikawa et al. (2016)
Pacific	PCF	-	3	
Indonesia	IND	-	1	
Not locate	NL	-	3	
total			1,484	