

Supplementary Material

Isotopic Niches of Juvenile and Adult Green Turtles (*Chelonia mydas*) in Feeding and Nesting Areas in Brazil, Southwestern Atlantic Ocean

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Supplementary Figures, Tables and Raw Data

TABLE S1 | Oceanographic sea surface temperature and salinity characteristics of the main water bodies that influence the north coast of the state of São Paulo, Brazil.

Main water bodies	Sea Surface Temperature (°C)	Salinity (PSU)
Coastal Waters (CW)	> 20	~ 34.5
Tropical Waters (TW)	> 22	> 35
South Atlantic Central Waters (SACW)	< 18	35
South Coastal Waters (SCW)	< 21	< 34

Data: Castro-Filho et al. (1987).

TABLE S2 | Stable isotope raw data of carbon and nitrogen values (in ‰) in the carapace of adult nesting green sea turtles *Chelonia mydas* at Fernando de Noronha, Brazil (samples from the anterior and posterior portions of the carapace) and juvenile green turtles from the northern coast of the state of São Paulo, Brazil (coast of “Caraguatatuba and Ubatuba - CAU” / “São Sebastião Channel – SSC”).

Adult green turtles

Anterior		Posterior	
$\delta^{13}\text{C}$ (‰)	$\delta^{15}\text{N}$ (‰)	$\delta^{13}\text{C}$ (‰)	$\delta^{15}\text{N}$ (‰)
-16.1	6.3	-15.2	7
-17.9	7.3	-17.4	8.1
-21.2	7.5	-21.7	7
-21.6	6.9	-21.7	7.2
-17.5	8.4	-17.8	8.3
-17.2	6.5	-16.3	5.4
-15.2	5.8	-15.5	5.7
-17.2	5	-17.9	5.6
-18.6	7.9	-18.8	7.8
-18.7	11.2	-18.9	10.9
-17.2	4.7	-17.4	6
-20.7	8.5	-20.6	8.7
-17.3	11.8	-17.2	11.5
-17.8	8.1	-17.4	8.7
-20.3	9.3	-19.8	9.7
-13.3	6.9	-13.1	7
-17.6	6.1	-17.1	5.4
-17.8	8.5	-18.4	6.5
-20.5	10.9	-20.4	11.1
-15.6	6.4	-17.8	6.2
-18.7	9.8	-18.2	8.6

TABLE S2 (continued)**Juvenile green turtles**

SSC		CAU	
$\delta^{13}\text{C}$ (‰)	$\delta^{15}\text{N}$ (‰)	$\delta^{13}\text{C}$ (‰)	$\delta^{15}\text{N}$ (‰)
-17.4	13.2	-17	8.9
-14.9	9.5	-17.3	10.1
-14.4	11.2	-17.3	7.5
-18	7.7	-17.8	11.1
-17.8	10.1	-18.1	8
-16.7	9	-17.5	8
-16.7	8.2	-17.7	10.4
-17.4	7.6	-14.9	11.2
-17.1	9.5	-17.2	12.8
-17.1	6.8	-19	11.5
-17.6	9	-15.8	9.7
-17.8	10.3	-18	7.8
-14.7	10.8	-18.5	10.8
-16.2	10.2	-18.7	11.3
-18.2	7.1	-17.9	11
-18	10.4	-17.1	12.5
-14.9	9.4	-17.1	10.7
-14.8	9.7	-18.6	9.5
-17.6	12.4	-16.2	11
-18.8	11.8	-17.5	10.5
-15.3	11.5	-18	9.3
-11.7	7.8	-17.2	13.2
-12.8	8.8	-16.7	11.3
-17.9	21.1	-16.4	12.9
-16.4	15.2	-18.5	11.6
-12.2	10.6	-18.6	9.7
-18	8.4	-15.2	10.6
-18	12.6	-17.6	11.3
-18.2	13	-19.6	11.3

-17.1 13.7 | -16.5 10.5

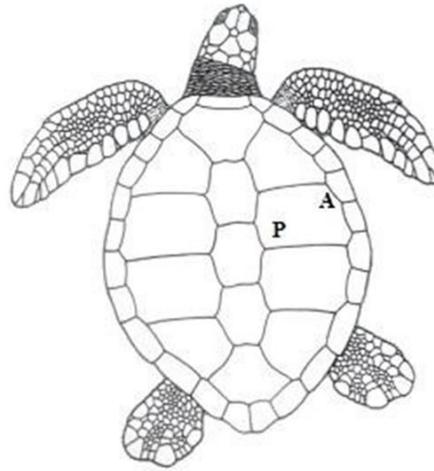


FIGURE S1 | Sample collection. Sample sites in the anterior (A) and posterior (P) portions of the second lateral scute of the carapace of green sea turtles *Chelonia mydas* (adapted from Reich et al., 2007).

REFERENCES

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