

Supplemental Material for manuscript in *Oecologia*

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Title: Marine subsidies likely cause gigantism of iguanas in the Bahamas

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Table S1. The mean ( $\pm$ SD)  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  values (‰) from tissues collected from iguanas on each of the four cays across multiple years. ETOH indicates samples stored in ethanol, dry indicates samples that were air dried, and dry/GFF indicates blood components that were dried on pre-combusted glass fiber filter paper. There were no differences in the  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  values between paired skin and plasma samples ( $n=15$ ) from iguanas on Leaf Cay, so the isotope values from all skin and plasma samples collected on Leaf Cay were combined for analysis.

Cay	Tissue	Year	N	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	Storage
Allen	Plasma	2011/12	13	$-24.6\pm 0.5$	$13.1\pm 1.0$	ETOH
FRRC	Plasma	2012	12	$-24.5\pm 0.5$	$5.2\pm 1.9$	ETOH
Leaf	Plasma	2013	23	$-24.2\pm 0.8$	$5.5\pm 1.6$	Dry/GFF
	Skin	2013	91	$-23.9\pm 0.5$	$5.3\pm 1.7$	Dry
	Plasma and skin together	2013	114	$-24.0\pm 0.7$	$5.4\pm 2.0$	Dry/GFF
U	Skin	2013	49	$-22.9\pm 0.7$	$4.0\pm 1.4$	Dry

Table S2. Percent nitrogen (%N) in plant stems and leaves from each island measured in 2013. The %N was significantly higher for stems and leaves from Allen Cay compared to all other cays. FRRC is Flat Rock Reef Cay.

Cay	%N stems	N	%N leaves	N
Allen	1.8 ± 1.0	33	1.9 ± 1.0	48
FRRC	1.0 ± 0.4	20	1.1 ± 0.4	30
Leaf	1.0 ± 0.4	24	1.2 ± 0.5	34
U	1.1 ± 0.5	23	1.0 ± 0.4	34