



**Fig. S1.** Relationship between corticosterone (CORT) and blood glucose at baseline (t0-hr) and t1-hr post glucose challenge in wild Northern Bahamian Rock Iguanas at tourist and non-visited islands in 2018. There is a significant relationship between CORT and blood glucose at t1-hr post glucose challenge in tourist-visited iguanas ( $F = 7.724$ ,  $df = 1, 32$ ,  $p = 0.009$ ; positive rsq adj = 0.179), but not at baseline or in non-visited iguanas at either time point (all  $F < 3.349$ , all  $p > 0.078$ ). These data were gathered using individuals as replicates in a field setting.

**Table S1.** Longitudinal glucose responses for juvenile Green Iguanas and adult Northern Bahamian Rock Iguanas. Values are average concentrations ( $\pm$  s.e.m.) of blood glucose taken across hourly time points. Missing values are due to differences in study design.

Variable		Time (0 hr)	Time (1 hr)	Time (3 hr)	Time (5 hr)	Time (8 hr)	Time (11 hr)	Time (19 hr)	Time (25 hr)	Time (49 hr)
	n	Mean ( $\pm$ s.e.m.)								
<b>Study 1</b>										
Treatment (control)	8	205.25 $\pm$ 9.99	362.38 $\pm$ 31.03	427.13 $\pm$ 24.24			315.25 $\pm$ 32.10		273.75 $\pm$ 18.47	211.00 $\pm$ 15.78
Treatment (low)	8	186.88 $\pm$ 11.55	341.88 $\pm$ 20.68	459.25 $\pm$ 29.73			260.63 $\pm$ 26.67		248.13 $\pm$ 12.74	199.13 $\pm$ 14.55
Treatment (high)	8	202.50 $\pm$ 20.96	368.88 $\pm$ 29.06	522.25 $\pm$ 30.24			376.25 $\pm$ 37.57		268.25 $\pm$ 16.44	231.13 $\pm$ 12.20
<b>Study 2</b>										
Tourist	24	192.13 $\pm$ 5.28		528.33 $\pm$ 17.58			494.29 $\pm$ 22.38	365.25 $\pm$ 29.17		
Non-visited	24	176.04 $\pm$ 5.09		456.13 $\pm$ 18.52			430.58 $\pm$ 21.06	262.42 $\pm$ 23.31		
Subspecies ( <i>C. c. inornata</i> )	24	181.71 $\pm$ 4.54		463.50 $\pm$ 21.29			443.33 $\pm$ 25.01	302.50 $\pm$ 27.28		
Subspecies ( <i>C. c. figginsi</i> )	24	186.46 $\pm$ 6.19		520.96 $\pm$ 15.51			481.54 $\pm$ 19.37	325.17 $\pm$ 29.48		
<b>Study 3</b>										
Tourist	35	177.31 $\pm$ 6.86	369.26 $\pm$ 15.43	501.17 $\pm$ 16.01	543.43 $\pm$ 17.34	558.80 $\pm$ 13.40				
Non-visited	30	141.23 $\pm$ 6.26	249.50 $\pm$ 13.11	391.87 $\pm$ 436.57	436.57 $\pm$ 21.73	445.96 $\pm$ 23.75				
Subspecies ( <i>C. c. inornata</i> )	35	168.66 $\pm$ 6.43	281.89 $\pm$ 13.19	445.77 $\pm$ 18.49	495.77 $\pm$ 21.33	520.13 $\pm$ 20.88				
Subspecies ( <i>C. c. figginsi</i> )	30	151.33 $\pm$ 8.10	351.43 $\pm$ 20.88	456.50 $\pm$ 21.29	492.16 $\pm$ 21.75	500.97 $\pm$ 20.33				

**Table S2.** Longitudinal corticosterone (CORT) responses for adult Northern Bahamian Rock Iguanas. Values are average concentrations ( $\pm$  s.e.m.) of blood CORT taken across hourly time points. Missing values are due to differences in study design.

<b>Variable</b>		<b>Time (0 hr)</b>	<b>Time (1 hr)</b>	<b>Time (3 hr)</b>
	<b>n</b>	<b>Mean (<math>\pm</math> s.e.m.)</b>	<b>Mean (<math>\pm</math> s.e.m.)</b>	<b>Mean (<math>\pm</math> s.e.m.)</b>
<b>Study 2</b>				
Tourist	24	7.88 $\pm$ 1.34		61.91 $\pm$ 8.02
Non-visited	24	25.97 $\pm$ 4.50		64.27 $\pm$ 8.04
Subspecies ( <i>C. c. inornata</i> )	24	19.00 $\pm$ 3.80		68.47 $\pm$ 7.56
Subspecies ( <i>C. c. figginsi</i> )	24	15.64 $\pm$ 4.06		57.70 $\pm$ 8.33
<b>Study 3</b>				
Tourist	34	5.72 $\pm$ 0.40	87.02 $\pm$ 14.63	
Non-visited	30	20.06 $\pm$ 2.91	53.05 $\pm$ 11.65	
Subspecies ( <i>C. c. inornata</i> )	34	14.91 $\pm$ 2.57	42.92 $\pm$ 4.95	
Subspecies ( <i>C. c. figginsi</i> )	30	9.60 $\pm$ 1.86	101.22 $\pm$ 17.85	