

**Supplementary Table S2**—Results of the generalized linear model built to explore factors associated with changes in tCa concentration in 161 chelonians.

	<b>Change in tCa (mg/dL)</b>	<b>Lower 95% CI</b>	<b>Upper 95% CI</b>	<b>P Value</b>
iCa	5.49	4.23	6.75	< 0.001
Albumin	2.3	1.57	3.03	< 0.001
Sex				
Female	2.25	1.13	3.38	< 0.001
Male	0.18	-1.03	1.4	0.77
Unknown	1			
Organ system affected				
Endocrine/hemopoietic	-2.33	-3.75	-0.9	0.002
GI/liver	-1.95	-3.49	-0.4	0.01
Other systems	-1.54	-3.03	-0.06	0.04
Renal/urinary	-1.95	-3.59	-0.31	0.02
Respiratory	-2.68	-4.48	-0.88	0.004
Skin/musculoskeletal	-2.59	-4.01	-1.17	< 0.001
Reproductive	1			
Species				
African spurred tortoises	-1.82	-3.12	-0.53	0.006
Chinese three-striped box turtles	-0.07	-1.61	1.48	0.93
Leopard tortoises	-3.03	-4.56	-1.5	< 0.001
Red-eared sliders	-0.15	-1.28	0.98	0.80
Other species	1			