

Supplementary material

Guidi, R.S., São-Pedro, V.A., Da Silva, H.R., Costa, G.C., Pessoa, D.M.A., 2021. The trade-off between color and size in lizards' conspicuous tails. *Biorxiv - Animal Behavior and Cognition*.

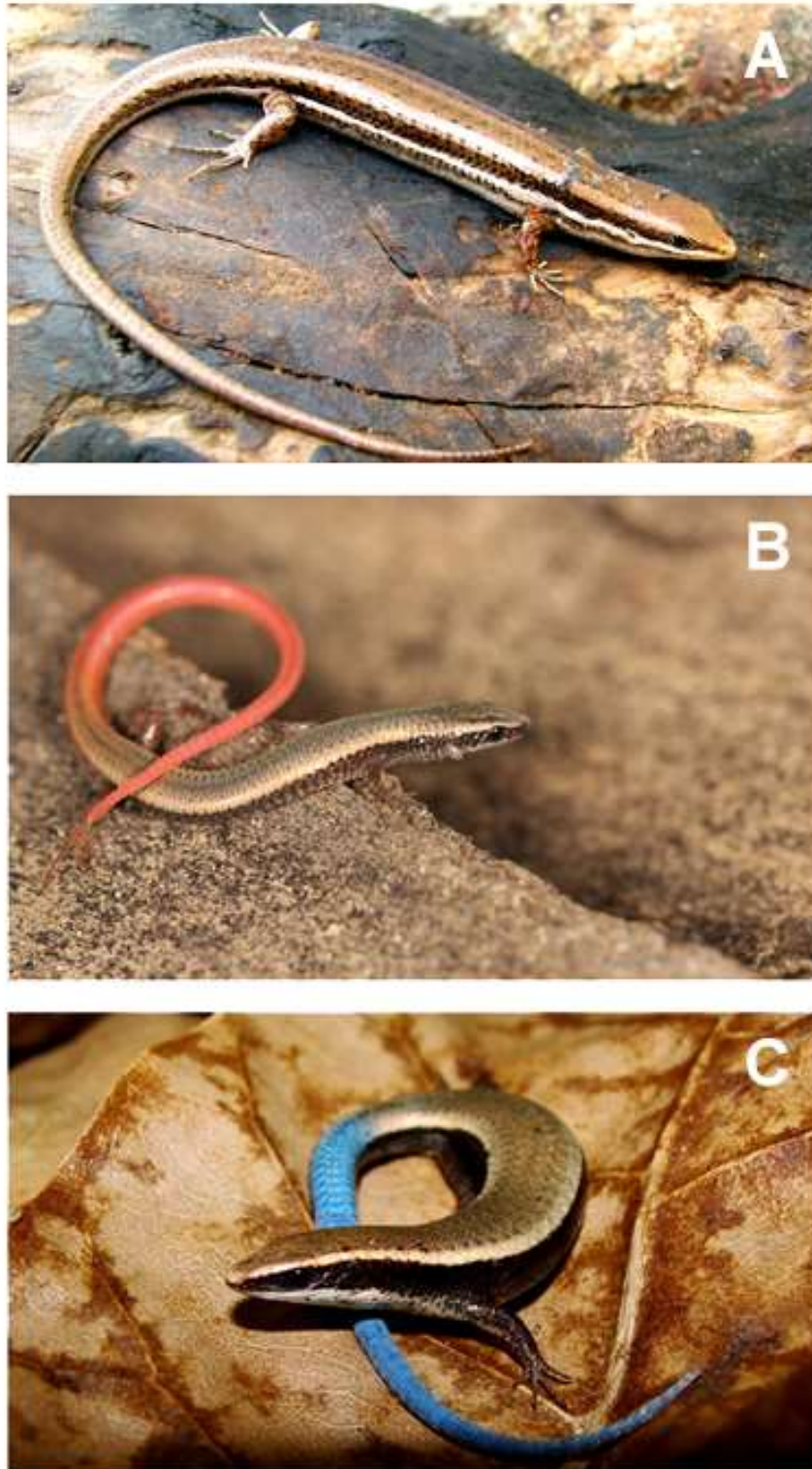


Figure S1. Lizard species that inspired us to create our replicas. A) *Brasiliscincus heathi*, showing a brown tail (Photo: Vinicius São-Pedro); B) *Vanzosaura multiscutata*, exhibiting a red tail (Photo: Willianilson Silva); and C) *Micrablepharus maximiliani* displaying a blue tail (Photos: Willianilson Silva).

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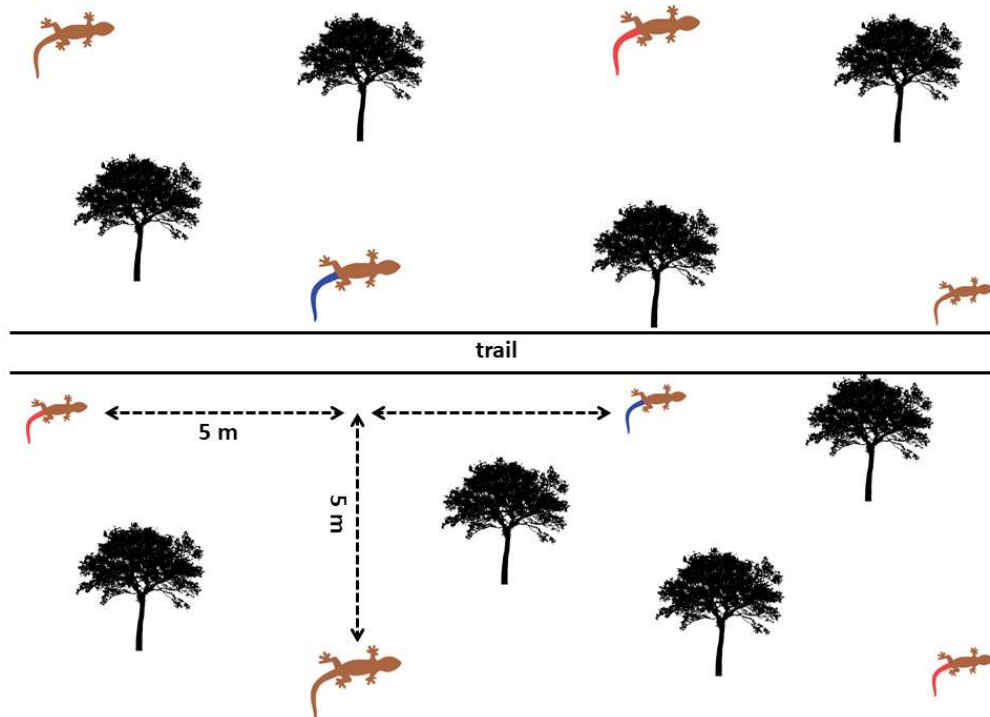


Figure S2. Schematic diagram showing how we placed our replicas along the experimental trail. Replicas of each treatment (color and size) were randomly allocated to each position.

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Table S1. Output from Pearson's chi-square analysis, with cross tabulation, concerning the distribution of predation events among treatments.

Treatment	Not attacked	Mammal	Bird	Unidentified
Small brown				
Observed counts	75	1	2	22
Expected counts	62.8	2.8	5.3	29.0
Adjusted values	2.8*	-1.2	-1.6	-1.7
Large brown				
Observed counts	63	3	2	32
Expected counts	62.8	2.8	5.3	29.0
Adjusted values	0.0	0.1	-1.6	0.7
Small red				
Observed counts	59	4	5	32
Expected counts	62.8	2.8	5.3	29.0
Adjusted values	-0.9	0.8	-0.2	0.7
Large red				
Observed counts	61	3	12	24
Expected counts	62.8	2.8	5.3	29.0
Adjusted values	-0.4	0.1	3.3*	-1.2
Small blue				
Observed counts	65	3	6	26
Expected counts	62.8	2.8	5.3	29.0
Adjusted values	0.5	0.1	0.3	-0.7
Large blue				
Observed counts	54	3	5	38
Expected counts	62.8	2.8	5.3	29.0
Adjusted values	-2.0	0.1	-0.2	2.2*
Total				
Observed counts	377	17	32	174

*Adjusted values that exceeded the limit of two (2.0) were considered as statistically significant.

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Table S2. Output from generalized linear mixed-effects models.

Predictors	All Predators		Mammals and Birds		Mammals		Birds	
	Odds Ratios	p	Odds Ratios	p	Odds Ratios	p	Odds Ratios	p
(Intercept)	0.45	0.006	0.43	0.220	0.50	0.571	0.40	0.273
Color [brown]	1.62	0.239	4.67	0.164	>10	1.000	1.25	0.880
Color [red]	1.36	0.471	1.48	0.639	1.00	1.000	1.67	0.605
Size [small]	1.12	0.800	2.33	0.346	8.00	0.210	1.00	1.000
Color [brown] * Size [small]	0.76	0.671	0.11	0.202	0.10	1.000	0.00	1.000
Color [red] * Size [small]	0.60	0.404	0.34	0.361	0.08	0.293	0.90	0.944
Observations	278		61		19		42	