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Wildlife Research

Supplementary Material

Reptiles as food: predation of Australian reptiles by introduced red foxes compounds and complements predation by cats

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Table S3. Best candidate models (95% confidence model set) used to test the effects of predictor variables on records of fox consumption considering only those squamates that occur within the distributional range of foxes. ΔAIC_C is a measure of change in the Akaike Information Criterion with correction for small sample size; Akaike w_i is the probability model *i* is the best model. All models excluded squamates that occur in rainforest and littoral habitats and included the offset terms for the number of ALA records for each squamate species (records were limited to the distributional range of foxes), and the number of fox-diet studies that have occurred within the distributional range of each species. For definitions of variables see Table 1.

Model	ΔAICc	w_i	R^2
Body mass + Arboreal + Habitat + Venomous	0.00	0.22	0.26
Body mass + Habitat + Venomous	0.72	0.15	0.25
Body mass + Arboreal + Diel + Habitat + Venomous	1.72	0.09	0.26
Body mass + Arboreal + Fossorial + Habitat + Venomous	2.05	0.08	0.26
Body mass + Diel + Habitat + Venomous	2.37	0.07	0.25
Body mass + Habitat	2.40	0.07	0.25
Body mass + Fossorial + Habitat + Venomous	2.52	0.06	0.25
Body mass + Arboreal + Habitat	3.15	0.05	0.25
Body mass + Arboreal + Diel + Fossorial + Habitat + Venomous	3.78	0.03	0.26
Body mass + Fossorial + Habitat	4.10	0.03	0.25
Body mass + Diel + Habitat	4.29	0.03	0.25
Body mass + Diel + Fossorial + Habitat + Venomous	4.38	0.02	0.26
Body mass + Arboreal + Venomous	4.55	0.02	0.23
Body mass + Arboreal + Fossorial + Habitat	5.08	0.02	0.25
Body mass + Arboreal + Diel + Habitat	5.10	0.02	0.25
Body mass + Arboreal + Diel + Venomous	5.59	0.01	0.23
Body mass + Venomous	6.11	0.01	0.22
Body mass + Diel + Fossorial + Habitat	6.14	0.01	0.25
Body mass + Arboreal + Fossorial + Venomous	6.19	0.01	0.23
Body mass + Arboreal	6.88	0.01	0.22

Table S4. Best candidate models (95% confidence model set) used to test the effects of predictor variables on records of (a) cat consumption considering only those squamates that occur within the distributional range of foxes, and (b) cat consumption considering all squamates. ΔAIC_C is a measure of change in the Akaike Information Criterion with correction for small sample size; Akaike w_i is the probability model *i* is the best model. Models considering only squamates that occur within the distributional range of foxes excluded squamates that occur in littoral habitats. All models include the offset terms for the number of ALA records for each squamate species and the number of cat-diet studies that have occurred within the distributional range of each species. For definitions of variables see Table 1.

Model	ΔAICc	w_i	R^2
(a) Cat eaten (considering only squamates within fox range)			
Body mass^2 + Body mass + Habitat	0.00	0.23	0.37
Body mass^2 + Body mass + Diel + Habitat	1.64	0.10	0.37
Body mass^2 + Body mass + Habitat + Venomous	2.00	0.08	0.37
Body mass^2 + Body mass + Fossorial + Habitat	2.00	0.08	0.37
Body mass^2 + Body mass + Arboreal + Habitat	2.07	0.08	0.37
Body mass^2 + Body mass +	3.06	0.05	0.35
Body mass^2 + Body mass + Diel + Habitat + Venomous	3.56	0.04	0.37
Body mass^2 + Body mass + Arboreal + Diel + Habitat	3.72	0.04	0.37
Body mass^2 + Body mass + Diel + Fossorial + Habitat	3.72	0.04	0.37
Body mass^2 + Body mass + Fossorial + Habitat + Venomous	4.01	0.03	0.37
Body mass^2 + Body mass + Arboreal + Habitat + Venomous	4.06	0.03	0.37
Body mass^2 + Body mass + Arboreal + Fossorial + Habitat	4.08	0.03	0.37
Body mass^2 + Body mass + Diel	4.18	0.03	0.35
Body mass^2 + Body mass + Arboreal	4.70	0.02	0.35
Body mass^2 + Body mass + Fossorial	4.89	0.02	0.35
Body mass^2 + Body mass + Venomous	4.91	0.02	0.35
Body mass^2 + Body mass + Arboreal + Diel + Habitat + Venomous	5.63	0.01	0.37
Body mass^2 + Body mass + Diel + Fossorial + Habitat + Venomous	5.64	0.01	0.37
Body mass^2 + Body mass + Arboreal + Diel + Fossorial + Habitat	5.80	0.01	0.37
Body mass^2 + Body mass + Arboreal + Diel	5.81	0.01	0.35
Body mass^2 + Body mass + Arboreal + Fossorial + Habitat + Venomous	6.09	0.01	0.37
Body mass^2 + Body mass + Diel + Venomous	6.15	0.01	0.35
Body mass^2 + Body mass + Diel + Fossorial	6.21	0.01	0.35
(b) Cat eaten (all squamates)			
Body mass^2 + Body mass + Habitat	0.00	0.27	0.39
Body mass^2 + Body mass + Habitat + Venomous	1.60	0.12	0.40
Body mass^2 + Body mass + Arboreal + Habitat	1.86	0.11	0.39
Body mass^2 + Body mass + Diel + Habitat	1.88	0.11	0.40
Body mass^2 + Body mass + Fossorial + Habitat	1.96	0.10	0.40
Body mass^2 + Body mass + Diel + Habitat + Venomous	3.40	0.05	0.40
Body mass^2 + Body mass + Arboreal + Habitat + Venomous	3.56	0.05	0.40
Body mass^2 + Body mass + Fossorial + Habitat + Venomous	3.58	0.04	0.40
Body mass^2 + Body mass + Arboreal + Diel + Habitat	3.74	0.04	0.40
Body mass^2 + Body mass + Arboreal + Fossorial + Habitat	3.75	0.04	0.40
Body mass^2 + Body mass + Diel + Fossorial + Habitat	3.91	0.04	0.40
Body mass^2 + Body mass + Arboreal + Diel + Habitat + Venomous	5.36	0.02	0.40
Body mass^2 + Body mass + Diel + Fossorial + Habitat + Venomous	5.45	0.02	0.40