

SUPPLEMENTARY MATERIAL:

Body temperature influences growth rates of Common Gartersnakes (*Thamnophis sirtalis*)

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APPENDIX S1. Model selection and final model output for an analysis of the effect of Common Gartersnake (*Thamnophis sirtalis*) body temperature on growth. k is the number of parameters in the model, AIC is the Akaike's information criteria value, and Δ AIC is the difference between the focal model and the model with the lowest AIC.

Model	k	AIC	Δ AIC
Temperature = Food + Habitat + Behaviour + Food \times Behaviour + Habitat \times Behaviour	8	4077.8	0.0
Temperature = Food + Habitat + Behaviour	6	4106.8	29.0
Temperature = Food + Habitat	5	4117.7	39.9
Temperature = Food + Habitat + Food \times Habitat	6	4118.2	40.4
Parameter	Estimate (SE)	t	p
Intercept	24.00 (0.33)	73.22	< 0.01
Food (Low)	0.55 (0.37)	1.50	0.13
Habitat (Forest)	-4.63 (0.38)	12.33	< 0.01
Behaviour (Under Cover)	-0.36 (0.48)	0.75	0.46
Food (Low) \times Behaviour (Under Cover)	1.29 (0.63)	2.05	0.04
Habitat (Forest) \times Behaviour (Under Cover)	-3.66 (0.67)	5.45	< 0.01

APPENDIX S2. Model selection and model final output for an analysis of feeding behaviour of Common Gartersnakes (*Thamnophis sirtalis*). k is the number of parameters in the model, AIC is the Akaike's information criteria value, and Δ AIC is the difference between the focal model and the model with the lowest AIC.

Model	k	AIC	Δ AIC
Ate = Temperature + Food + Habitat	5	584.69	0.00
Ate = Temperature + Food + Habitat + Behaviour	6	584.98	0.29
Ate = Temperature + Food + Habitat + Temperature \times Food + Food \times Habitat	7	587.60	2.91
Parameter	Estimate (SE)	z	p
Intercept	-1.27 (0.72)	1.76	0.08
Temperature	0.10 (0.03)	3.76	< 0.01
Food (Low)	1.68 (0.47)	3.58	< 0.01
Habitat (Forest)	-1.05 (0.47)	2.23	0.03

APPENDIX S3. Model selection and final model output for an analysis examining the growth of Common Gartersnakes (*Thamnophis sirtalis*). k is the number of parameters in the model, AIC is the Akaike's information criteria value, and Δ AIC is the difference between the focal model and the model with the lowest AIC.

Model	k	AIC	Δ AIC
Change Mass = Last Food + Ave Temp	5	1272.28	0.00
Change Mass = Last Food + Ave Temp + Last Food \times Ave Temp	6	1276.90	4.62
Change Mass = Food + Habitat + Food \times Habitat	6	1409.13	136.85
Change Mass = Food + Habitat	5	1410.20	137.92
Change Mass = Ave Temp	4	1411.46	139.18
Parameter	Estimate (SE)	t	p
Intercept	-5.92 (2.42)	2.44	0.02
Last Food	0.16 (0.39)	0.40	0.69
Ave Temp	0.26 (0.11)	2.24	0.03