

Defensive plasticity in South American rattlesnakes *Crotalus durissus*

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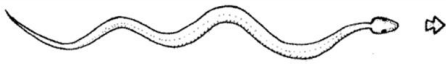
Antipredator behaviors		
Passive behaviors		
Behavior	Description	Illustration
Immobility behavior	The snake stays still and adopts a loose or a coiled posture	
Body retraction	Muscle contraction occurs throughout the entire body. When coiled, the snake tightens its coils, and when in a relaxed position, it reduces its occupied area.	
Coiling	Sufficient body curvature to enable an overlap of the coils.	
Head hide	The snake places the head between body coils.	
Retracting the head	Contraction of the anterior body region through undulations, forming an S toward the center of coiling or pushing it in the opposite direction of the contact.	
Flight	The snake moves in the opposite direction of the stimulus. The movement can be serpentine (lateral undulation) or anterolateral sliding (sidewinding)	

Figure S1. Passive behaviours of *Crotalus durissus*. Passive defensive behaviours, description and behavioural illustration. Image based on (Greene, 1988; Silva, 2016; Alves Nunes et al., 2023).

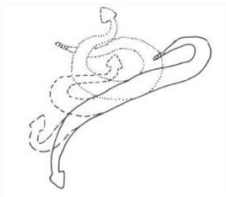
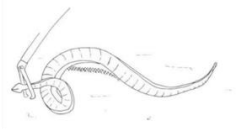
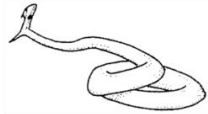
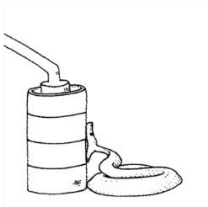
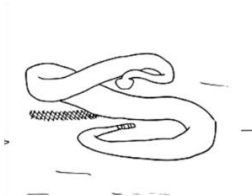
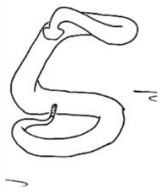
Antipredator behaviors		
Active behaviors		
Behavior	Description	Illustration
Thrashing Around behavior	Agitation of the entire body or just the anterior part.	
Body rotation	Twisting of the body initiating from the anterior, posterior, or both regions and turning 180° or more.	
Strike	The snake swiftly propels the head toward the stimulus, jaws wide open and stretching the curves of the anterior body	
Bite	Mouth opening with an angle greater than 90°, projection of fangs outward, and insertion or attempted insertion of the fangs into the potential aggressor with jaw closure.	
Sigmoid position	Wave-like retraction of the head, taking on an S-shaped form.	
strike pose	Circular positioning of the posterior part of the body, with the anterior part suspended, forming an arch.	

Figure S2. Active behaviours of *Crotalus durissus*. Active defensive behaviours, description and behavioural illustration. Image based on (Greene, 1988; Silva, 2016; Alves Nunes et al., 2023).