Table S1

Summary of data from recordings of free-ranging *Crotalus* sp. initiating predatory strikes towards prey

Snake	FPS	Prey type	Prey species	Strike	Range (cm)	Extend (s)	Contact (s)	Prey trajectory	Prey movement	Prey dodge
CRHO 01	6	NR	—	Hit	15	—	—	—	—	—
CRHO 01	24	NR	—	Hit	—	—	—	—	—	—
CRHO 01	24	NR	*Clethrionomys gapperi*	Hit	—	—	—	—	—	—
CRHO 01	24	NR	—	Miss	—	—	NA	Lateral	Retreat	—
CRHO 01	24	NR	—	Miss	—	—	NA	Lateral	Retreat	—
CRHO 01	6	NR	—	Miss	15	—	NA	Lateral	Approach	N
CRHO 02	24	DR	*Sciurus carolinensis*	Hit	—	—	—	—	—	—
CRHO 02	6	DR	*Sciurus carolinensis*	Hit	25	—	—	—	—	—
CRHO 02	6	NR	*Peromyscus* sp.	Hit	5	0.17	0.33	Lateral	Retreat	N
CRHO 02	6	DR	*Tamias striatus*	Hit	5	0.17	0.63	Lateral	Retreat	N
CRHO 02	24	DR	*Sciurus carolinensis*	Miss	10	0.36	NA	Lateral	Retreat	Y
CRHO 03	6	NR	—	Miss	20	—	NA	Lateral	Retreat	—
CRHO 04	6	NR	—	Hit	5	—	—	Lateral	Retreat	N
CRHO 04	6	NR	—	Hit	10	—	—	—	—	—
CRHO 04	24	NR	*Mustela frenata*	Hit	—	—	—	—	—	—
CRHO 04	6	NR	—	Miss	10	—	NA	Lateral	Retreat	—
CRHO 05	30	DR	*Sciurus carolinensis*	Miss	15	0.32	NA	Anteroposterior	Approach	Y
CRHO 06	10	DR	*Sciurus carolinensis*	Miss	50	0.80	NA	Lateral	Retreat	N
CRHO 07	30	DR	*Tamias striatus*	Miss	25	0.25	NA	Lateral	Approach	Y
CRHO 08	10	DR	*Sciurus carolinensis*	Hit	5	0.10	0.17	Anteroposterior	Approach	N
CRHO 09	10	DR	*Sciurus carolinensis*	Miss	30	0.20	NA	Anteroposterior	Approach	Y

Snake	FPS	Prey type	Prey species	Strike	Range (cm)	Extend (s)	Contact (s)	Prey trajectory	Prey movement	Prey dodge
CRHO 10	30	DR	*Sciurus carolinensis*	Hit	20	0.27	—	Lateral	Retreat	Y
CRHO 11	30	DR	*Sciurus carolinensis*	Miss	15	0.15	NA	Lateral	Retreat	N
CRHO 11	30	DR	*Sciurus carolinensis*	Miss	20	0.11	NA	Anteroposterior	Approach	Y
CRHO 11	30	DR	*Sciurus carolinensis*	Miss	40	0.26	NA	Anteroposterior	Approach	Y
CRHO 12	6	NR	—	Hit	15	—	—	Lateral	Retreat	—
CRHO 12	6	NR	—	Miss	15	0.33	NA	Lateral	Retreat	N
CROR 01	24	LZ	—	Miss	30	0.17	NA	Lateral	Retreat	—
CROR 01	24	NR	—	Miss	15	0.08	NA	Lateral	Retreat	Y
CROR 02	24	LZ	*Aspidoscelis tigris*	Hit	15	0.13	0.23	Lateral	Approach	N
CROR 02	6	DR	*Spermophilus beecheyi*	Hit	20	—	—	—	—	N
CROR 02	24	DR	*Spermophilus beecheyi*	Hit	5	0.08	0.21	Anteroposterior	Approach	N
CROR 02	24	DR	*Spermophilus beecheyi*	Hit	—	0.06	0.58	Anteroposterior	Approach	N
CROR 03	24	DR	*Spermophilus beecheyi*	Miss	30	0.25	NA	—	—	Y
CROR 03	30	DR	*Spermophilus beecheyi*	Miss	10	0.13	NA	Lateral	Retreat	Y
CROR 03	30	DR	*Spermophilus beecheyi*	Miss	20	0.10	NA	Anteroposterior	Retreat	N
CROR 04	6	LZ	—	Miss	—	—	NA	—	—	—
CROR 05	10	DR	*Spermophilus beecheyi*	Miss	25	0.20	0.40	Lateral	Approach	Y
CROR 05	10	DR	*Spermophilus beecheyi*	Miss	20	0.30	NA	Lateral	Retreat	N
CROR 06	24	DR	*Spermophilus beecheyi*	Hit	10	0.13	0.83	Lateral	Retreat	N
CROR 06	10	LZ	—	Miss	10	0.30	NA	Lateral	Approach	Y
CROR 06	10	LZ	—	Miss	30	0.33	NA	Lateral	Retreat	Y
CROR 07	10	DR	*Spermophilus beecheyi*	Hit	5	0.20	—	—	—	—
CROR 07	10	DR	*Spermophilus beecheyi*	Hit	15	0.30	0.60	Lateral	Retreat	N
CROR 08	6	DR	*Spermophilus beecheyi*	Miss	5	0.10	NA	Anteroposterior	Approach	Y
CROR 09	10	DR	*Spermophilus beecheyi*	Miss	15	0.2	NA	Anteroposterior	Approach	Y
CROR 09	6	NR	*Neotoma fuscipes*	Miss	20	0.33	NA	Lateral	Retreat	Y

Snake	FPS	Prey type	Prey species	Strike	Range (cm)	Extend (s)	Contact (s)	Prey trajectory	Prey movement	Prey dodge
CRRU 01	24	NR	*Neotoma* sp.	Hit	—	0.38	0.58	—	—	—
CRRU 01	6	NR	*Neotoma* sp.	Hit	5	0.13	—	Lateral	Retreat	N
CRRU 01	24	NR	*Peromyscus* sp.	Hit	10	0.25	370	Lateral	Approach	N
CRRU 01	24	NR	*Neotoma* sp.	Miss	40	0.38	NA	Lateral	Retreat	—
CRRU 02	6	NR	—	Hit	—	0.28	—	Lateral	Approach	—
CRRU 02	6	NR	—	Miss	—	0.28	NA	—	—	—
CRRU 03	30	NR	—	Miss	—	0.19	NA	—	—	—
CRRU 04	30	NR	—	Miss	—	0.38	NA	Lateral	Retreat	Y
CRSC 01	24	NR	*Dipodomys merriami*	Hit	5	0.04	0.36	Lateral	Retreat	N
CRSC 02	24	NR	*Dipodomys merriami*	Miss	10	0.17	NA	Lateral	Retreat	Y

A dash (—) indicates that recording quality prevented accurate measurement; FPS: video frames recorded per second; NA: not applicable; CRHO: *Crotalus horridus*; CROR: *Crotalus oreganus*; CRRU: *Crotalus ruber*; CRSC: *Crotalus scutulatus*; NR: nocturnal rodent; DR: diurnal rodent; LZ: lizard.