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ONLINE SUPPLEMENTAL DATA

Appendix Table 1. Species identifications for specimens used in the mean length to width ratio analysis. Trait is the mean length divided by width for all vertebrae within a specimen. Substrate use is a function of locomotion and describes the typical locomotor behavior of the species and includes categories aquatic (n=3), semiaquatic (n=2), arboreal (n=4), semiarboreal (n=1), fossorial (n=4), semifossorial (n=1) and terrestrial (n=14).

Species	Collection ID	# of Vertebrae	Trait	Substrate Use
<i>Acrochordus javanicus</i>	LSU 17009	271	0.617	Aquatic
<i>Agkistrodon piscivorous</i>	SMU-R 143	179	0.642	Semiaquatic
<i>Ahaetulla nasuta</i>	BMNH 1964.1225	315	1.035	Arboreal
<i>Anilius scytale</i>	BMNH 56.10.16	239	0.685	Fossorial
<i>Arizona elegans</i>	CJB Lab UT	282	0.659	Terrestrial
<i>Bitis arietans</i>	BMNH unnumbered	170	0.624	Terrestrial
<i>Crotalus molossus</i>	UTA-R 14512	205	0.522	Terrestrial
<i>Cylindrophis rufus</i>	BMNH unnumbered	223	0.684	Fossorial
<i>Dendroaspis viridis</i>	BMNH unnumbered	348	0.826	Arboreal
<i>Epicrates chenchria</i>	BMNH 62.6.13.1	329	0.524	Semiarboreal
<i>Erythrolamprus aesculapii</i>	BMNH 6111.18.7	244	0.642	Terrestrial
<i>Eunectes murinus</i>	BMNH unnumbered	311	0.574	Semiaquatic
<i>Hydrophis fasciatus</i>	BMNH 1931.1.12.5	255	0.788	Aquatic
<i>Lachesis muta</i>	MVZ 163372	277	0.569	Terrestrial
<i>Laticaudata laticaudata</i>	BMNH unnumbered	282	0.662	Aquatic
<i>Masticophis flagellum</i>	CJB Lab UT	290	0.454	Terrestrial
<i>Micrurus fulvius</i>	CJB Lab UT	262	0.803	Semifossorial
<i>Morelia spilota</i>	BMNH 88.10.27.2	361	0.544	Terrestrial
<i>Naja nigricollis</i>	MVZ 176453	266	0.616	Terrestrial
<i>Oxybelis fulgidus</i>	BMNH unnumbered	348	1.020	Arboreal
<i>Pareas carinatus</i>	BMNH 91.5.1.14	237	0.869	Arboreal
<i>Python molurus</i>	BMNH unnumbered	327	0.524	Terrestrial
<i>Python regius</i>	SMU 145	248	0.454	Terrestrial
<i>Storeria d. dekayi</i>	SMU-R 144	149	0.854	Terrestrial
<i>Thamnophis ordinoides</i>	CJB Lab UT	202	0.874	Terrestrial
<i>Typhlops jamanicus</i>	SMU-R 240	215	0.682	Fossorial
<i>Vipera russelli</i>	QMW-1	223	0.620	Terrestrial
<i>Xenodon severus</i>	BMNH 91.9.29.3	179	0.606	Terrestrial
<i>Xenopeltis unicolor</i>	BMNH unnumbered	218	0.596	Fossorial

Appendix Table 2. Species identifications for specimens used in the vertebral shape analysis. Substrate use is a function of locomotion and describes the typical locomotor behavior of the species and includes categories aquatic (n=6), semiaquatic (n=4), arboreal (n=7), semiarboreal (n=4), fossorial (n=13), semifossorial (n=3) and terrestrial (n=23).

Species	Collection ID	Substrate Use
<i>Acanthopis antarcticus</i>	WRA 9540079	Terrestrial
<i>Acrantophis dumerili</i>	USNM 497683	Terrestrial
<i>Acrochordus granulatus</i>	USNM 497610	Aquatic
<i>Actractaspis irregularis</i>	USNM 297313	Fossorial
<i>Agkistrodon contortrix</i>	USNM 330134	Terrestrial
<i>Agkistrodon piscivorus</i>	WRA 9240177	Semiaquatic
<i>Anilius scylate</i>	USNM 204080	Fossorial
<i>Atropoides picadoi</i>	UTA 40481	Terrestrial
<i>Bitis gabonica</i>	UTA 40525	Terrestrial
<i>Boa constrictor</i>	USNM 220299	Semiarboreal
<i>Bogertophis subocularis</i>	UTA 40945	Terrestrial
<i>Boiga irregularis</i>	USNM 515869	Arboreal
<i>Bothriechis nigroviridis</i>	UTA 9635	Arboreal
<i>Calabaria reinhardtii</i>	USNM 523576	Fossorial
<i>Candoia aspera</i>	WRA 9740292	Terrestrial
<i>Candoia carinata</i>	USNM 348502	Terrestrial
<i>Casarea dussumieri</i>	BMNH 1992.995	Fossorial
<i>Cerberus rynchops</i>	USNM 497588	Aquatic
<i>Charina bottae</i>	JUSNM 009255	Fossorial
<i>Coluber constrictor</i>	USNM 297253	Terrestrial
<i>Corallus caninus</i>	ROMV-R 7498	Arboreal
<i>Crotalus horridus</i>	UTA 40474	Semiarboreal
<i>Crotalus ruber</i>	USNM 311091	Terrestrial
<i>Cylindrophis rufus</i>	USNM 523565	Fossorial
<i>Daboia russelli</i>	USNM 297365	Terrestrial
<i>Drymarchon corais</i>	WRA 8740184	Terrestrial
<i>Eristicophis macmahonii</i>	UTA unnumbered	Terrestrial
<i>Erpeton tentaculatum</i>	TMM M-8282	Aquatic
<i>Eryx johni</i>	FMNH 31319	Fossorial
<i>Eunectes murinus</i>	ROMV-R 7285	Aquatic
<i>Heterodon platyrhinos</i>	USNM 310959	Fossorial
<i>Hydrodynastes gigas</i>	WRA 9940316	Semiaquatic
<i>Hydrophis semperi</i>	USNM 499890	Aquatic
<i>Lachesis muta</i>	KU117479	Terrestrial
<i>Lampropeltis triangulum</i>	WRA 40016	Terrestrial
<i>Leiopython albertisii</i>	JUSNM 523581	Semiaquatic
<i>Leptotyphlops dulcis</i>	USNM 161288	Fossorial
<i>Lichanura trivirgata</i>	AMNH 73360	Semifossorial
<i>Loxocemus bicolor</i>	JUSNM 348509	Semifossorial
<i>Madagascarophis colubrinus</i>	USNM 345553	Terrestrial
<i>Micrurus fulvius</i>	USNM 292571	Semifossorial
<i>Morelia spilota</i>	USNM 523583	Semiarboreal
<i>Naja nigricollis</i>	USNM 320722	Terrestrial
<i>Nerodia erythrogaster</i>	UTA 40476	Aquatic
<i>Ophiophagus hannah</i>	CJB specimen	Terrestrial
<i>Ophryacus undulates</i>	UTA 4640	Semiarboreal
<i>Oxyrhabdium leporinum</i>	USNM 497051	Fossorial
<i>Pituophis melanoleucus</i>	WRA 9540068	Terrestrial
<i>Pseudohaje nigra</i>	WRA 8540109	Arboreal

<i>Ptyas mucosus</i>	USNM 297339	Terrestrial
<i>Python molurus</i>	USNM 292077	Terrestrial
<i>Sanzinia madagascariensis</i>	USNM 220313	Arboreal
<i>Spilotes pullatus</i>	WRA 8940223	Arboreal
<i>Thamnophis sirtalis</i>	USNM 326566	Semiaquatic
<i>Trimeresurus albolabris</i>	WRA 9140720	Arboreal
<i>Tropidophis canus</i>	USNM 345562	Terrestrial
<i>Typhlops punctatus</i>	BMNH R 1911.6.9.2	Fossorial
<i>Uropeltis woodmasoni</i>	TMM M-8663	Fossorial
<i>Waglerophis merremi</i>	USNM 523656	Terrestrial
<i>Xenopeltis unicolor</i>	USNM 523682	Fossorial

Appendix Table 3. Relative tail lengths in snakes for North American species (n = 591). Substrate use is a function of locomotion and describes the typical locomotor behavior of the species and includes categories aquatic (n=26), semiaquatic (n=17), arboreal (n=66), semiarboreal (n=27), fossorial (n=173), semifossorial (n=67) and terrestrial (n=215).

Species	Trait	Substrate Use	References
<i>Adelophis copei</i>	0.289	Terrestrial	Rossmann and Van Wallace 1987
<i>Adelophis foxi</i>	0.295	Terrestrial	Rossmann and Blaney 1968
<i>Adelphicos daryi</i>	0.136	Fossorial	Campbell and Ford 1982
<i>Adelphicos ibarrorum</i>	0.147	Fossorial	Campbell and Brodie 1988
<i>Adelphicos latifasciatus</i>	0.223	Fossorial	Lynch and Smith 1966; Campbell and Ford 1982
<i>Adelphicos nigrilatus</i>	0.154	Fossorial	Smith 1942; Campbell and Ford 1982
<i>Adelphicos quadrivirgatus</i>	0.242	Fossorial	Jan 1862
<i>Adelphicos veraepacis</i>	0.205	Fossorial	Stuart 1941
<i>Agkistrodon bilineatus</i>	0.306	Semiaquatic	Gunther 1863
<i>Agkistrodon contortrix</i>	0.247	Terrestrial	Linnaeus 1766; Campbell and Lamar 2004
<i>Agkistrodon piscivorus</i>	0.246	Semiaquatic	Lacepede 1789; Campbell and Lamar 2004
<i>Agkistrodon taylori</i>	0.261	Terrestrial	Burger and Robertson 1951; Campbell and Lamar 2004
<i>Alsophis anomalus</i>	0.367	Terrestrial	Powell and Herderson 1998
<i>Alsophis antiquae</i>	0.364	Terrestrial	Henderson et al. 1996
<i>Alsophis antillensis</i>	0.390	Terrestrial	Schlegel 1837
<i>Alsophis ater</i>	0.462	Terrestrial	Henderson and Powell 1996
<i>Alsophis cantherigerus</i>	0.403	Terrestrial	Bibron 1843
<i>Alsophis melanichnus</i>	0.364	Terrestrial	Powell and Herderson 1998
<i>Alsophis portoricensis</i>	0.418	Terrestrial	Reinhardt and Lutken 1862
<i>Alsophis rijgersmaei</i>	0.341	Terrestrial	Townsend et al. 2000
<i>Alsophis rufiventris</i>	0.338	Terrestrial	Dumeril, Bibron and Dumberil 1854
<i>Alsophis sanctaerucis</i>	0.423	Terrestrial	Henderson and Powell 1996
<i>Alsophis vudii</i>	0.402	Terrestrial	Cope 1862
<i>Amastidium veliferum</i>	0.383	Semifossorial	Cope 1860; Lee 1996
<i>Anomalepis mexicanus</i>	0.050	Fossorial	Jan 1860
<i>Arizona elegans</i>	0.195	Semifossorial	Klauber 1946; Dixon and Fleet 1976; Dixon 1960
<i>Arizona occidentalis</i>	0.181	Semifossorial	Blanchard 1924; Klauber 1946; California glossy snake
<i>Arrhyton callilaemum</i>	0.439	Terrestrial	Gosse 1851; Vidal et al. 2000
<i>Arrhyton dolichura</i>	0.472	Terrestrial	Werner 1909; Vidal et al. 2000
<i>Arrhyton exiguum</i>	0.365	Terrestrial	Cope 1863; Vidal et al. 2000
<i>Arrhyton funereum</i>	0.368	Terrestrial	Cope 1862; Vidal et al. 2000
<i>Arrhyton landoi</i>	0.398	Terrestrial	Schwartz 1965; Vidal et al. 2000
<i>Arrhyton polylepis</i>	0.376	Terrestrial	Buden 1966; Vidal et al. 2000
<i>Arrhyton procerum</i>	0.496	Terrestrial	Hedges and Garrido 1992; Vidal et al. 2000
<i>Arrhyton supernum</i>	0.460	Terrestrial	Hedges and Garrido 1992; Vidal et al. 2000
<i>Arrhyton taeniatum</i>	0.330	Terrestrial	Gunther 1858; Vidal et al. 2000; Hedges et al. 2009
<i>Arrhyton tanyplectum</i>	0.468	Terrestrial	Schwartz and Garrido 1981; Vidal et al. 2000
<i>Arrhyton vittatum</i>	0.362	Terrestrial	Gundlach 1861; Hedges et al. 2009; Vidal et al. 2000
<i>Atractus clarki</i>	0.177	Semifossorial	Myers, 2003; Dunn and Bailey 1939
<i>Atractus darienensis</i>	0.136	Semifossorial	Myers 2003
<i>Atractus depressiocellus</i>	0.152	Semifossorial	Myers 2003
<i>Atractus hostilitractus</i>	0.144	Semifossorial	Myers 2003
<i>Atractus trilineatus</i>	0.100	Semifossorial	Wagler 1828
<i>Atractus univittatus</i>	0.176	Semifossorial	Jan 1862
<i>Atropoides indomitus</i>	0.218	Terrestrial	Smith and Ferrari-Castro 2008
<i>Atropoides mexicanus</i>	0.204	Terrestrial	Dumeril, Bibron and Dumeril 1854
<i>Atropoides nummifer</i>	0.196	Terrestrial	Ruppell 1845
<i>Atropoides occiduus</i>	0.184	Terrestrial	Hoge 1966
<i>Atropoides olmec</i>	0.204	Terrestrial	Perez-Higareda, Smith, and Julia-Zertuche 1985

<i>Atropoides picadoi</i>	0.193	Terrestrial	Dunn 1939
<i>Boa constrictor</i>	0.183	Terrestrial	Linnaeus 1758
<i>Bogertophis rosaliae</i>	0.234	Terrestrial	Price 1990
<i>Bogertophis subocularis</i>	0.212	Terrestrial	Worthington 1980
<i>Bothriechis aurifer</i>	0.268	Arboreal	Salvin 1860
<i>Bothriechis bicolor</i>	0.278	Arboreal	Bocourt 1868
<i>Bothriechis lateralis</i>	0.276	Arboreal	Peters 1862
<i>Bothriechis marchi</i>	0.273	Arboreal	Wilson and McCranie 1992
<i>Bothriechis nigroviridis</i>	0.259	Arboreal	Peters 1859
<i>Bothriechis rowleyi</i>	0.271	Arboreal	Bogert 1968
<i>Bothriechis shlegelii</i>	0.257	Arboreal	Berthold 1846
<i>Bothriechis supraciliaris</i>	0.254	Semi-arboreal	Taylor 1954
<i>Bothriechis thalassinus</i>	0.278	Arboreal	Campbell and Smith 2000
<i>Bothrops asper</i>	0.240	Terrestrial	Garman 1883
<i>Bothrops caribbaeus</i>	0.250	Terrestrial	Garman 1887; Powell and Wittenberg 1998
<i>Bothrops nasuta</i>	0.191	Terrestrial	Wilson and McCranie 1984
<i>Caraiba andreae</i>	0.397	Terrestrial	Reinhardt and Lutken 1862; Henderson et al. 1987
<i>Caraiba parvifrons</i>	0.443	Terrestrial	Cope 1862; Henderson et al. 1987
<i>Carphophis amoenus</i>	0.199	Fossorial	Say 1825
<i>Carphophis vermis</i>	0.187	Fossorial	Kennicott 1859
<i>Cemophora coccinea</i>	0.171	Fossorial	Williams 1985
<i>Cerrophidion barbouri</i>	0.176	Terrestrial	Dunn 1919
<i>Cerrophidion godmani</i>	0.175	Terrestrial	Gunther 1863
<i>Cerrophidion petlalcalensi</i>	0.202	Terrestrial	Lopez-Luna, Antonio, Vogt and Torre-Loranca 1999
<i>Cerrophidion tzotzilorum</i>	0.178	Terrestrial	Campbell 1985; Jadin 2010
<i>Chapinophis xanthocheilus</i>	0.159	Fossorial	Campbell and Smith 1998
<i>Charina bottae</i>	0.137	Semifossorial	Stewart 1977
<i>Chersodromus liebmanni</i>	0.240	Semifossorial	Reinhardt 1860, 1861
<i>Chersodromus rubriventris</i>	0.253	Semifossorial	Taylor 1949; Lavin and Mendoza-Quijano 2007
<i>Chilomeniscus savagei</i>	0.169	Fossorial	Cliff 1954
<i>Chilomeniscus stramineus</i>	0.182	Fossorial	Grismer et al. 2002; Mattison 2007
<i>Chionactis occipitalis</i>	0.227	Fossorial	Hallowell 1854; Stickel 1941
<i>Chionactis paralostris</i>	0.235	Terrestrial	Klauber 1937, 1951
<i>Chironius carinatus</i>	0.445	Arboreal	Linnaeus 1758
<i>Chironius exoletus</i>	0.492	Arboreal	Linnaeus 1758
<i>Chironius fuscus</i>	0.457	Arboreal	Linnaeus 1758
<i>Chironius grandisquamis</i>	0.472	Arboreal	Peters 1869
<i>Chironius multiventris</i>	0.506	Arboreal	Schmidt and Walker 1943
<i>Chironius scurrulus</i>	0.427	Arboreal	Wagler 1824
<i>Chironius vincenti</i>	0.484	Arboreal	Henderson and Powell 1996
<i>Clelia clelia</i>	0.268	Terrestrial	Daudin 1803; Fitzinger 1826
<i>Clelia scytalina</i>	0.280	Terrestrial	Cope 1866, 1867
<i>Clonophis kirtlandii</i>	0.305	Semiaquatic	Rossmann and Powell 1985
<i>Coluber aurigulus</i>	0.412	Semi-arboreal	Van Denburgh and Slevin 1921; Grismer 1990
<i>Coluber bilineatus</i>	0.420	Semi-arboreal	Lowe and Norris 1955; Jan 1863; Camper 1996
<i>Coluber constrictor</i>	0.365	Semi-arboreal	Linnaeus 1758; Wilson 1978
<i>Coluber flagellum</i>	0.354	Semi-arboreal	Shaw 1802; Lowe and Woodin 1954; Wilson 1973
<i>Coluber lateralis</i>	0.394	Semi-arboreal	Jennings 1983
<i>Coluber mentovarius</i>	0.368	Semi-arboreal	Johnson 1982
<i>Coluber mormon</i>	0.341	Semi-arboreal	Baird and Girard 1852
<i>Coluber schotti</i>	0.415	Semi-arboreal	Camper 1996
<i>Coluber taeniatus</i>	0.407	Arboreal	Hallowell 1852; Smith 1942; Camper 1996
<i>Coniophanes alvarezii</i>	0.297	Semifossorial	Campbell 1989
<i>Coniophanes bipunctatus</i>	0.376	Semiaquatic	Gunther 1858
<i>Coniophanes fissidens</i>	0.388	Terrestrial	Gunther 1858
<i>Coniophanes imperialis</i>	0.389	Terrestrial	Baird 1859

<i>Coniophanes joanae</i>	0.264	Fossorial	Wright and Wright 1957; Myers 1966
<i>Coniophanes meridanus</i>	0.397	Terrestrial	Schmidt and Andrews 1936
<i>Coniophanes piceivittis</i>	0.371	Terrestrial	Cope 1869; Peters 1950; Hall 1951
<i>Coniophanes quinquevittat</i>	0.293	Aquatic	Dumeril, Bibron and Dumeril 1854
<i>Coniophanes schmidti</i>	0.376	Terrestrial	Bailey 1937
<i>Conophis lineatus</i>	0.288	Terrestrial	Dumeril, Bibron and Dumeril 1854; Smith 1942
<i>Conophis pulcher</i>	0.479	Terrestrial	Cope 1869; Duellman 1966
<i>Conophis vittatus</i>	0.290	Terrestrial	Peters 1860
<i>Conopsis biserialis</i>	0.212	Fossorial	Taylor and Smith 1942
<i>Conopsis nasus</i>	0.197	Terrestrial	Gunther 1858; Tanner 1961
<i>Contia tenuis</i>	0.201	Semifossorial	Leonard and Ovaska 1998
<i>Corallus annulatus</i>	0.248	Arboreal	Henderson 1993
<i>Corallus hortulanus</i>	0.293	Arboreal	Henderson 1993
<i>Crisantophis nevermanni</i>	0.309	Terrestrial	Villa 1988
<i>Crotalus adamanteus</i>	0.132	Terrestrial	McCranie 1980; Campbell and Lamar 2004
<i>Crotalus aquilus</i>	0.140	Terrestrial	Campbell and Lamar 2004
<i>Crotalus atrox</i>	0.113	Terrestrial	Campbell and Lamar 2004
<i>Crotalus basiliscus</i>	0.125	Terrestrial	McCranie 1981; Campbell and Lamar 2004
<i>Crotalus catalinensis</i>	0.113	Terrestrial	Campbell and Lamar 2004
<i>Crotalus cerastes</i>	0.121	Terrestrial	Campbell and Lamar 2004
<i>Crotalus cerberus</i>	0.111	Terrestrial	Coues 1875; Campbell and Lamar 2004
<i>Crotalus concolor</i>	0.122	Terrestrial	Woodbury 1929; Campbell and Lamar 2004
<i>Crotalus durissus</i>	0.134	Terrestrial	McCranie 1993; Campbell and Lamar 2004
<i>Crotalus enyo</i>	0.122	Terrestrial	Beaman and Grismer 1994; Campbell and Lamar 2004
<i>Crotalus ericsmithi</i>	0.192	Terrestrial	Campbell and Flores-Villela 2008
<i>Crotalus helleri</i>	0.112	Terrestrial	Meek 1905; Campbell and Lamar 2004
<i>Crotalus horridus</i>	0.120	Terrestrial	Collins and Knight 1980; Campbell and Lamar 2004
<i>Crotalus intermedius</i>	0.121	Terrestrial	McCranie 1991; Campbell and Lamar 2004
<i>Crotalus lannomi</i>	0.174	Terrestrial	Tanner 1986; Campbell and Lamar 2004
<i>Crotalus lepidus</i>	0.128	Terrestrial	Campbell and Lamar 2004
<i>Crotalus mitchellii</i>	0.112	Terrestrial	McCrystal and McCoid 1986; Campbell and Lamar 2004
<i>Crotalus molossus</i>	0.113	Terrestrial	Price 1980; Campbell and Lamar 2004
<i>Crotalus oreganus</i>	0.109	Terrestrial	Campbell and Lamar 2004
<i>Crotalus polystictus</i>	0.122	Terrestrial	McCranie 1976; Campbell and Lamar 2004
<i>Crotalus pricei</i>	0.139	Terrestrial	McCranie 1980; Campbell and Lamar 2004
<i>Crotalus pusillus</i>	0.155	Terrestrial	McCranie 1983; Campbell and Lamar 2004
<i>Crotalus ravus</i>	0.149	Terrestrial	Campbell and Lamar 2004
<i>Crotalus ruber</i>	0.105	Terrestrial	Campbell and Lamar 2004
<i>Crotalus scutulatus</i>	0.110	Terrestrial	Price 1982; Campbell and Lamar 2004
<i>Crotalus simus</i>	0.125	Terrestrial	Latreille 1801; Campbell and Lamar 2004
<i>Crotalus stejnegeri</i>	0.187	Terrestrial	Collins 1982; Campbell and Lamar 2004
<i>Crotalus tancitarensis</i>	0.119	Terrestrial	Alvarado-Diaz and Campbell 2004; Campbell and Lamar 2004
<i>Crotalus tigris</i>	0.115	Terrestrial	Campbell and Lamar 2004
<i>Crotalus tortugensis</i>	0.100	Terrestrial	Beaman and Spencer 2004; Campbell and Lamar 2004
<i>Crotalus totonacus</i>	0.119	Terrestrial	Campbell and Lamar 2004
<i>Crotalus transversus</i>	0.138	Terrestrial	Campbell and Lamar 2004
<i>Crotalus triseriatus</i>	0.155	Terrestrial	Campbell and Lamar 2004
<i>Crotalus viridis</i>	0.113	Terrestrial	Campbell and Lamar 2004
<i>Crotalus willardi</i>	0.156	Terrestrial	Campbell and Lamar 2004
<i>Cryophis hallbergi</i>	0.265	Arboreal	Bogert and Duellman 1963
<i>Dendrophidion nuchale</i>	0.473	Semi-arboreal	Leib 1991
<i>Dendrophidion paucicarin</i>	0.408	Arboreal	Leib 1991
<i>Dendrophidion percarinatu</i>	0.488	Semi-arboreal	Lieb 1996
<i>Dendrophidion vinitor</i>	0.426	Semi-arboreal	Leib 1991
<i>Diadophis punctatus</i>	0.230	Semifossorial	Baird and Girard 1853; Van Denburgh and Slevin 1942
<i>Diaphorolepis wagneri</i>	0.412	Arboreal	Jan 1863

<i>Dipsas articulata</i>	0.375	Arboreal	Cope 1868
<i>Dipsas bicolor</i>	0.384	Arboreal	Gunther 1895
<i>Dipsas brevifacies</i>	0.333	Semi-arboreal	Cope 1866
<i>Dipsas gaigeae</i>	0.287	Semi-arboreal	Oliver 1937
<i>Dipsas maxillaris</i>	0.318	Terrestrial	Werner 1909; Cadle 2005
<i>Dipsas nicholsi</i>	0.320	Arboreal	Dunn 1933
<i>Dipsas temporalis</i>	0.383	Arboreal	Werner 1909
<i>Dipsas tenuissima</i>	0.352	Arboreal	Taylor 1954
<i>Dipsas variegata</i>	0.320	Arboreal	Dumeril, Bibron and Dumeril 1854
<i>Dipsas viguieri</i>	0.367	Arboreal	Bocourt 1884
<i>Dryadophis cliftoni</i>	0.432	Terrestrial	Dunn 1949; Hardy 1964
<i>Dryadophis dorsalis</i>	0.392	Terrestrial	Bocourt 1890; Dunn 1949
<i>Drymarchon corais</i>	0.279	Terrestrial	Boie 1827; Smith 1941
<i>Drymarchon couperi</i>	0.264	Terrestrial	Wuster et al. 2001
<i>Drymobius chloroticus</i>	0.418	Terrestrial	Cope 1886; Wilson 1975; McCranie and Castaneda 2005
<i>Drymobius margaritiferus</i>	0.437	Arboreal	Schlegel 1837; Wilson 1974
<i>Drymobius melanotropis</i>	0.370	Terrestrial	Cope 1876; Wilson 1975
<i>Drymobius rhombifer</i>	0.384	Terrestrial	Gunther 1860
<i>Enuliophis sclateri</i>	0.415	Terrestrial	Boulenger 1894; McCranie 2004
<i>Enulius bifoveatus</i>	0.386	Fossorial	McCranie and Kohler 1999
<i>Enulius flavitorques</i>	0.351	Fossorial	Cope 1868
<i>Enulius oligostichus</i>	0.347	Terrestrial	Smith, Arndt and Sherbrook 1967; Savage 2002
<i>Enulius roatanensis</i>	0.396	Terrestrial	McCranie and Kohler 1999
<i>Epicrates angulifer</i>	0.151	Arboreal	Bibron 1843
<i>Epicrates cenchria</i>	0.171	Terrestrial	Linnaeus 1758
<i>Epicrates chrysogaster</i>	0.243	Terrestrial	Cope 1871; Buden 1975
<i>Epicrates exsul</i>	0.228	Terrestrial	Netting and Goin 1944
<i>Epicrates fordi</i>	0.241	Terrestrial	Gunther 1861; O'Shea 2007
<i>Epicrates gracilis</i>	0.257	Arboreal	Henderson and Powell 2002
<i>Epicrates inornatus</i>	0.211	Arboreal	Reinhardt 1843; Wunderle and Mercado 2004
<i>Epicrates monensis</i>	0.236	Arboreal	Zenneck 1898; Chandler and Tolson 1990
<i>Epicrates striatus</i>	0.235	Terrestrial	Fischer 1856; Knapp and Owens 2004
<i>Epicrates subflavus</i>	0.219	Arboreal	Stejneger 1901
<i>Epictia columbi</i>	0.085	Fossorial	Klauber 1939
<i>Epictia goudotii</i>	0.060	Fossorial	Dumeril and Bibron 1844; Oliver 1937
<i>Epictia nasalis</i>	0.077	Fossorial	Villa 1990
<i>Epictia tenella</i>	0.069	Fossorial	Klauber 1939
<i>Erythrolamprus bizonus</i>	0.218	Terrestrial	Jan 1863
<i>Erythrolamprus mimus</i>	0.214	Terrestrial	Cope 1868
<i>Exiliboa placata</i>	0.126	Fossorial	Bogert 1968
<i>Farancia abacura</i>	0.175	Semiaquatic	McDaniel and Darges 1983
<i>Farancia erythrogramma</i>	0.202	Aquatic	Mitchell 1982
<i>Ficimia olivacea</i>	0.199	Fossorial	Gray 1849; Hardy 1978
<i>Ficimia publia</i>	0.200	Terrestrial	Hardy 1980
<i>Ficimia ramirezi</i>	0.215	Fossorial	Hardy 1979
<i>Ficimia ruspator</i>	0.177	Fossorial	Hardy 1980
<i>Ficimia streckeri</i>	0.194	Fossorial	Taylor 1931; Hardy 1976
<i>Ficimia variegata</i>	0.195	Fossorial	Hardy 1980
<i>Geagras redimitus</i>	0.199	Fossorial	Wilson 1987
<i>Geophis anocularis</i>	0.215	Fossorial	Dunn 1920
<i>Geophis bellus</i>	0.201	Fossorial	Myers 2003
<i>Geophis bicolor</i>	0.217	Fossorial	Gunther 1868
<i>Geophis brachycephalus</i>	0.222	Fossorial	Cope 1871
<i>Geophis cancellatus</i>	0.123	Fossorial	Smith 1941
<i>Geophis carinosus</i>	0.257	Fossorial	Stuart 1941
<i>Geophis chalybeus</i>	0.204	Fossorial	Wagler 1830

<i>Geophis downsi</i>	0.253	Fossorial	Savage 1981
<i>Geophis dubius</i>	0.221	Fossorial	Peters 1861
<i>Geophis duellmani</i>	0.223	Fossorial	Smith and Holland 1969
<i>Geophis dugesii</i>	0.233	Fossorial	Bocourt 1883
<i>Geophis fulvoguttatus</i>	0.183	Fossorial	Mertens 1952
<i>Geophis godmani</i>	0.186	Fossorial	Boulenger 1894
<i>Geophis hoffmanni</i>	0.194	Fossorial	Peters 1859
<i>Geophis immaculatus</i>	0.182	Fossorial	Downs 1967
<i>Geophis juarezi</i>	0.294	Fossorial	Nieto-Montes de Oca 2003
<i>Geophis nasalis</i>	0.180	Fossorial	Cope 1868
<i>Geophis nephodrymus</i>	0.150	Fossorial	Townsend and Wilson 2006
<i>Geophis petersii</i>	0.188	Fossorial	Boulenger 1894
<i>Geophis rhodogaster</i>	0.210	Fossorial	Cope 1868
<i>Geophis rostralis</i>	0.241	Fossorial	Jan 1864
<i>Geophis ruthveni</i>	0.218	Fossorial	Werner 1925
<i>Geophis sallaei</i>	0.214	Fossorial	Boulenger 1894
<i>Geophis semidoliatus</i>	0.145	Fossorial	Dumeril, Bibron and Dumeril 1854
<i>Geophis talamancae</i>	0.193	Fossorial	Lips and Savage 1994
<i>Geophis tarascae</i>	0.216	Fossorial	Hartweg 1959
<i>Geophis zeledoni</i>	0.217	Fossorial	Taylor 1954
<i>Gyalopion canum</i>	0.188	Fossorial	Cope 1861; Hardy 1976
<i>Gyalopion quadrangulare</i>	0.169	Fossorial	Gunther 1893; Hardy 1976
<i>Helminthophis frontalis</i>	0.050	Fossorial	Peters 1860
<i>Heterodon nasicus</i>	0.223	Semifossorial	Walley and Eckerman 1999
<i>Heterodon platirhinus</i>	0.260	Semifossorial	Blem 1981
<i>Heterodon simus</i>	0.240	Semifossorial	Meylan 1985
<i>Hydromorphus concolor</i>	0.195	Aquatic	Villa 1990
<i>Hypsiglena affinis</i>	0.195	Terrestrial	Boulenger 1894
<i>Hypsiglena chlorophaea</i>	0.195	Terrestrial	Cope 1860
<i>Hypsiglena jani</i>	0.195	Terrestrial	Duges 1865
<i>Hypsiglena ochrorhyncha</i>	0.195	Terrestrial	Cope 1860
<i>Hypsiglena slevini</i>	0.244	Terrestrial	Tanner 1943
<i>Hypsiglena tanzeri</i>	0.215	Terrestrial	Dixon and Lieb 1972
<i>Hypsiglena torquata</i>	0.214	Terrestrial	Gunther 1860; Zweifel 1958; Tanner 1966; Tanner 1981
<i>Hypsirhynchus ferox</i>	0.325	Terrestrial	Gill 1978; Sosa et al. 1995
<i>Ialtris agyrtes</i>	0.264	Terrestrial	Henderson 1984; Powell and Henderson 1994
<i>Ialtris dorsalis</i>	0.362	Terrestrial	Henderson 1984; Zippel, Parmelee and Powell 1994
<i>Ialtris haetianus</i>	0.256	Semifossorial	Schwartz 1986
<i>Ialtris parishi</i>	0.316	Terrestrial	Powell and Henderson 1994; Hedges et al. 2009
<i>Imantodes cenchoa</i>	0.395	Arboreal	Cope 1861
<i>Imantodes gemmistratus</i>	0.378	Arboreal	Cope 1861; Oliver 1942
<i>Imantodes inornatus</i>	0.391	Arboreal	Boulenger 1896
<i>Lachesis melanocephala</i>	0.171	Terrestrial	Solorzano and Cerdas 1986
<i>Lachesis stenophrys</i>	0.177	Terrestrial	Cope 1876
<i>Lampropeltis alterna</i>	0.230	Terrestrial	Brown 1901
<i>Lampropeltis calligaster</i>	0.185	Semifossorial	Blaney 1979
<i>Lampropeltis extenuatum</i>	0.139	Fossorial	Highton 1976
<i>Lampropeltis getula</i>	0.174	Terrestrial	Zweifel and Norris 1955
<i>Lampropeltis mexicana</i>	0.224	Semifossorial	Garman 1884
<i>Lampropeltis pyromelana</i>	0.233	Terrestrial	Tanner 1983
<i>Lampropeltis triangulum</i>	0.195	Semifossorial	Williams 1994
<i>Lampropeltis webbi</i>	0.233	Semifossorial	Bryson, Dixon and Lazcano 2005
<i>Lampropeltis zonata</i>	0.199	Terrestrial	Van Denburgh and Slevin 1923; Zweifel 1974
<i>Leptodeira annulata</i>	0.307	Semiaquatic	Linnaeus 1758 ; Duellman 1958; Scott 1969
<i>Leptodeira frenata</i>	0.290	Terrestrial	Cope 1886; Dunn and Stuart 1935
<i>Leptodeira nigrofasciata</i>	0.264	Terrestrial	Gunther 1868

<i>Leptodeira rubricata</i>	0.333	Semi-arboreal	Cope 1893
<i>Leptodeira septentrionalis</i>	0.301	Arboreal	Kennicott 1859
<i>Leptodrymus pulcherrimus</i>	0.423	Terrestrial	Cope 1874
<i>Leptophis ahaetulla</i>	0.491	Arboreal	Linnaeus 1758; Cope 1868
<i>Leptophis depressirostris</i>	0.521	Semi-arboreal	Cope 1861
<i>Leptophis mexicanus</i>	0.495	Arboreal	Oliver 1942; Mertens 1972
<i>Leptophis modestus</i>	0.500	Arboreal	McCranie and Wilson 1993
<i>Leptophis nebulosus</i>	0.489	Arboreal	Oliver 1942
<i>Lichanura trivirgata</i>	0.163	Semifossorial	Cope 1861; Ottley 1978; Yingling 1982; Bartlett 1987
<i>Liophis cursor</i>	0.350	Semifossorial	Lacepede 1789
<i>Liophis epinephalus</i>	0.281	Terrestrial	Cope 1862, Scott 1969
<i>Liophis juliae</i>	0.337	Semifossorial	Cope 1879; Muelleman et al. 2009
<i>Liophis melanotus</i>	0.283	Semiaquatic	Shaw 1802; Böhm and Richman 2009
<i>Liophis ornatus</i>	0.311	Terrestrial	Garman 1887
<i>Liophis perfuscus</i>	0.293	Terrestrial	Cope 1862
<i>Liotyphlops albiviridis</i>	0.050	Fossorial	Cope 1862
<i>Loxocemus bicolor</i>	0.153	Semifossorial	Cope 1861
<i>Mastigodryas bruesi</i>	0.383	Arboreal	Barbour 1914
<i>Mastigodryas cliftoni</i>	0.425	Arboreal	Hardy 1964
<i>Mastigodryas melanolomus</i>	0.355	Semi-arboreal	Cope 1868; Dunn 1949
<i>Micruroides euryxanthus</i>	0.101	Fossorial	Kennicott 1860; Campbell and Lamar 2004
<i>Micrurus alleni</i>	0.169	Fossorial	Schmidt 1936; Campbell and Lamar 2004
<i>Micrurus ancoralis</i>	0.110	Fossorial	Jan 1872; Campbell and Lamar 2004
<i>Micrurus bernadi</i>	0.163	Fossorial	Campbell and Lamar 2004
<i>Micrurus bogerti</i>	0.176	Fossorial	Campbell and Lamar 2004
<i>Micrurus browni</i>	0.174	Fossorial	Schmidt and Smith 1943; Campbell and Lamar 2004
<i>Micrurus clarki</i>	0.189	Fossorial	Schmidt 1936; Campbell and Lamar 2004
<i>Micrurus diastema</i>	0.173	Terrestrial	Dumeril, Bibron and Dumeril 1854; Campbell and Lamar 2004
<i>Micrurus dissoleucus</i>	0.101	Fossorial	Cope 1860; Campbell and Lamar 2004
<i>Micrurus distans</i>	0.173	Fossorial	Campbell and Lamar 2004
<i>Micrurus elegans</i>	0.157	Fossorial	Jan 1858; Campbell and Lamar 2004
<i>Micrurus ephippifer</i>	0.170	Fossorial	Campbell and Lamar 2004
<i>Micrurus fulvius</i>	0.151	Fossorial	Roze and Tilger 1983; Campbell and Lamar 2004
<i>Micrurus hippocrepis</i>	0.179	Terrestrial	Peters 1862; Campbell and Lamar 2004
<i>Micrurus laticollaris</i>	0.159	Fossorial	Campbell and Lamar 2004
<i>Micrurus latifasciatus</i>	0.189	Fossorial	Schmidt 1933; Campbell and Lamar 2004
<i>Micrurus limbatus</i>	0.146	Fossorial	Greene et al. 1998; Campbell and Lamar 2004
<i>Micrurus mipartitus</i>	0.099	Fossorial	Dumeril, Bibron and Dumeril 1854; Campbell and Lamar 2004
<i>Micrurus multifasciatus</i>	0.101	Fossorial	Jan 1858; Campbell and Lamar 2004
<i>Micrurus nebularis</i>	0.161	Fossorial	Campbell and Lamar 2004
<i>Micrurus nigrocinctus</i>	0.181	Semifossorial	Girard 1854; Campbell and Lamar 2004
<i>Micrurus pachecogili</i>	0.154	Fossorial	Campbell and Lamar 2004
<i>Micrurus proximans</i>	0.172	Fossorial	Campbell and Lamar 2004
<i>Micrurus ruatanus</i>	0.179	Fossorial	Campbell and Lamar 2004
<i>Micrurus stewarti</i>	0.175	Fossorial	Barbour and Amaral 1928; Campbell and Lamar 2004
<i>Micrurus stuarti</i>	0.162	Fossorial	Roze 1967; Campbell and Lamar 2004
<i>Micrurus tener</i>	0.151	Fossorial	Baird and Girard 1853; Campbell and Lamar 2004
<i>Mitophis asbolepis</i>	0.054	Fossorial	Thomas, McDiarmid and Thompson 1985
<i>Mitophis calypso</i>	0.049	Fossorial	Thomas, McDiarmid and Thompson 1985
<i>Mitophis leptipileptus</i>	0.047	Fossorial	Thomas, McDiarmid and Thompson 1985
<i>Mitophis pyrites</i>	0.053	Fossorial	Thomas 1965
<i>Nerodia clarkii</i>	0.365	Aquatic	Baird and Girard 1853
<i>Nerodia cyclopion</i>	0.328	Aquatic	Dumeril, Bibron and Dumeril 1854
<i>Nerodia erythrogaster</i>	0.325	Semiaquatic	Conant 1963; McCranie 1990
<i>Nerodia fasciata</i>	0.344	Aquatic	Linnaeus 1766
<i>Nerodia floridana</i>	0.354	Aquatic	Goff 1936

<i>Nerodia harteri</i>	0.343	Aquatic	Mecham 1983
<i>Nerodia paucimaculata</i>	0.339	Aquatic	Tinkle and Conant 1961
<i>Nerodia rhombifer</i>	0.332	Semiaquatic	McAllister 1985
<i>Nerodia sipedon</i>	0.323	Aquatic	Linnaeus 1758
<i>Nerodia taxispilota</i>	0.350	Aquatic	McCranie 1983
<i>Ninia celata</i>	0.241	Semifossorial	McCranie and Wilson 1995
<i>Ninia diademata</i>	0.409	Terrestrial	Baird and Girard 1853; Smith 1942; Burger and Werler 1954
<i>Ninia maculata</i>	0.268	Semifossorial	Peters 1861
<i>Ninia psephota</i>	0.294	Semifossorial	Cope 1875
<i>Ninia sebae</i>	0.280	Terrestrial	Schmidt and Andrews 1936
<i>Nothopsis rugosus</i>	0.382	Semifossorial	Cope 1871
<i>Opheodrys aestivus</i>	0.490	Arboreal	Fitzinger 1843; Walley and Plummer 2000
<i>Ophiodrys vernalis</i>	0.380	Semi-arboreal	Oldham and Smith 1991
<i>Ophryacus melanurus</i>	0.217	Semi-arboreal	Campbell and Lamar 2004
<i>Ophryacus undulatus</i>	0.217	Semi-arboreal	Campbell and Lamar 2004
<i>Oxybelis aeneus</i>	0.491	Arboreal	Wagler 1824; Keiser 1982
<i>Oxybelis brevirostris</i>	0.490	Arboreal	Cope 1861
<i>Oxybelis fulgidus</i>	0.441	Arboreal	Daudin 1803
<i>Oxyrhopus petola</i>	0.314	Terrestrial	Linnaeus 1758 ; Wagler 1830
<i>Pantherophis alleghaniensis</i>	0.257	Arboreal	Holbrook 1836; Hallmen 2005
<i>Pantherophis bairdi</i>	0.272	Arboreal	Yarrow 1880
<i>Pantherophis emoryi</i>	0.235	Terrestrial	Baird and Girard 1853
<i>Pantherophis guttatus</i>	0.229	Terrestrial	Linnaeus 1766
<i>Pantherophis obsoletus</i>	0.246	Arboreal	Say 1823
<i>Pantherophis vulpinus</i>	0.221	Terrestrial	Powell 1990; Collins and Taggart 2008
<i>Pelamis platura</i>	0.127	Aquatic	Linnaeus 1766
<i>Phyllorhynchus browni</i>	0.150	Fossorial	Stejneger 1890
<i>Phyllorhynchus decurtatus</i>	0.152	Fossorial	Savage and Cliff 1954; McCleary and McDiarmid 1993
<i>Pituophis catenifer</i>	0.220	Semifossorial	Blainville 1835; Klauber 1946
<i>Pituophis melanoleucus</i>	0.187	Semifossorial	Sweet and Parker 1990
<i>Pliocercus elapoides</i>	0.442	Terrestrial	Cope 1860
<i>Pliocercus euryzonus</i>	0.443	Terrestrial	Cope 1862
<i>Porthidium dunnii</i>	0.197	Terrestrial	Campbell and Lamar 2004
<i>Porthidium hespere</i>	0.161	Terrestrial	Campbell and Lamar 2004
<i>Porthidium lansbergii</i>	0.180	Terrestrial	Schlegel 1841; Campbell and Lamar 2004
<i>Porthidium nasutum</i>	0.190	Terrestrial	Bocourt 1868; Campbell and Lamar 2004
<i>Porthidium ophryomegas</i>	0.188	Terrestrial	Bocourt 1868; Campbell and Lamar 2004
<i>Porthidium porrasi</i>	0.177	Terrestrial	Lamar 2003; Campbell and Lamar 2004
<i>Porthidium volcanicum</i>	0.163	Terrestrial	Solorzano 1995; Campbell and Lamar 2004
<i>Porthidium yucatanicum</i>	0.196	Terrestrial	Smith 1941; Campbell and Lamar 2004
<i>Pseudelaphe flavirufa</i>	0.297	Terrestrial	Cope 1867
<i>Pseudoboa neuwiedii</i>	0.269	Terrestrial	Dumeril, Bibron and Dumeril 1854
<i>Pseudoficimia frontalis</i>	0.203	Semiaquatic	Cope 1864; Bocourt 1883; Hardy 1973
<i>Pseustes poecilonotus</i>	0.387	Semi-arboreal	Gunther 1858
<i>Ramphotyphlops braminus</i>	0.037	Fossorial	Daudin 1803
<i>Regina alleni</i>	0.331	Aquatic	Garman 1874
<i>Regina grahamii</i>	0.265	Aquatic	Baird and Girard 1853
<i>Regina rigida</i>	0.308	Aquatic	Say 1825
<i>Regina septemvittata</i>	0.339	Semiaquatic	Ernst 2002
<i>Rena dulcis</i>	0.058	Fossorial	Hahn 1979
<i>Rena humilis</i>	0.055	Fossorial	Klauber 1931; Murphy 1975; Hahn 1979; Tanner 1985
<i>Rena maxima</i>	0.062	Fossorial	Hahn 1980
<i>Rhadinaea anachoreta</i>	0.347	Semifossorial	Smith and Campbell 1994
<i>Rhadinaea bogertorum</i>	0.311	Semifossorial	Myers 1974; Liner 2007; Canseco-Márquez 2007
<i>Rhadinaea calligaster</i>	0.273	Semifossorial	Cope 1876
<i>Rhadinaea cuneata</i>	0.407	Terrestrial	Myers 1974, Liner 2007; Lopez-Luna and Flores-Villela 2007

<i>Rhadinaea decorata</i>	0.475	Terrestrial	Gunther 1858
<i>Rhadinaea flavilata</i>	0.357	Terrestrial	Smith 1942; Walley 1999
<i>Rhadinaea fulvivittis</i>	0.355	Semifossorial	Cope 1875; Canseco-Márquez and Mendoza-QuiJano 2007
<i>Rhadinaea gaigeae</i>	0.362	Terrestrial	Bailey 1937; Böhm and Richman 2009
<i>Rhadinaea godmani</i>	0.325	Semifossorial	McCranie and Wilson 1992
<i>Rhadinaea hannsteini</i>	0.318	Terrestrial	Stuart 1949
<i>Rhadinaea hempsteadae</i>	0.328	Fossorial	Stuart and Bailey 1941
<i>Rhadinaea hesperia</i>	0.428	Terrestrial	Bailey 1940; Canseco-Márquez and Mendoza-QuiJano 2007
<i>Rhadinaea kinkelini</i>	0.336	Semifossorial	McCranie and Wilson 1991; Campbell, Muñoz-Alonso 2007
<i>Rhadinaea lachrymans</i>	0.312	Terrestrial	Cope 1869
<i>Rhadinaea laureata</i>	0.348	Semifossorial	Gunther 1868; Flores-Villela 2007
<i>Rhadinaea macdougalli</i>	0.356	Terrestrial	Smith and Langebartel 1949; Canseco-Márquez 2007
<i>Rhadinaea marcellae</i>	0.376	Semifossorial	Taylor 1949; Mendoza-QuiJano 2007
<i>Rhadinaea montana</i>	0.362	Terrestrial	Taylor 1949; Mendoza-QuiJano 2007
<i>Rhadinaea montecristi</i>	0.322	Terrestrial	McCranie and Wilson 1991
<i>Rhadinaea Myersi</i>	0.357	Semifossorial	Smith 1944
<i>Rhadinaea omiltemana</i>	0.349	Semiaquatic	Rossmann 1965; Santos-Barrera and Flores-Villela 2004
<i>Rhadinaea pilonaorum</i>	0.385	Terrestrial	Stuart 1954
<i>Rhadinaea posadasi</i>	0.394	Terrestrial	Slevin 1936
<i>Rhadinaea pulveriventris</i>	0.362	Terrestrial	Boulenger 1896
<i>Rhadinaea quinquelineata</i>	0.298	Terrestrial	Slevin 1936; Canseco-Márquez and Flores-Villela 2007
<i>Rhadinaea sargenti</i>	0.368	Terrestrial	Dunn and Bailey 1939
<i>Rhadinaea schistosa</i>	0.197	Terrestrial	Cope 1885; Myers 1974
<i>Rhadinaea serperastra</i>	0.301	Semifossorial	Cope 1871
<i>Rhadinaea taeniata</i>	0.385	Terrestrial	Reter 1863; Bailey 1940; Canseco-Márquez et al. 2007
<i>Rhadinaea vermiculaticeps</i>	0.373	Terrestrial	Cope 1860
<i>Rhinobothryum bovalli</i>	0.331	Arboreal	Andersson 1916
<i>Rhinocheilus lecontei</i>	0.203	Semifossorial	Medica 1975; Grismer 1990
<i>Salvadora deserticola</i>	0.304	Terrestrial	Schmidt 1940
<i>Salvadora grahamiae</i>	0.344	Semi-arboreal	Schmidt 1940
<i>Salvadora hexalepis</i>	0.300	Semi-arboreal	Bogert 1936, 1945
<i>Salvadora intermedia</i>	0.303	Semi-arboreal	Hartweg 1940
<i>Scaphiodontophis annulatus</i>	0.478	Terrestrial	Dumeril, Bibron and Dumeril 1854; Taylor and Smith 1943
<i>Scolecophis atrocinctus</i>	0.207	Semifossorial	Wilson and Williams 2002
<i>Seminatrix pygaea</i>	0.262	Aquatic	Dorcas et al. 1998
<i>Senticolis triaspis</i>	0.284	Semi-arboreal	Price 1991
<i>Sibon annulatus</i>	0.410	Arboreal	Gunther 1872
<i>Sibon anthracops</i>	0.317	Arboreal	Cope 1868
<i>Sibon argus</i>	0.377	Arboreal	Cope 1876
<i>Sibon dimidiatus</i>	0.395	Arboreal	Gunther 1872
<i>Sibon longifrenis</i>	0.363	Arboreal	Stejneger 1909
<i>Sibon nebulatus</i>	0.343	Arboreal	Linnaeus 1758
<i>Sibon sanniolus</i>	0.322	Terrestrial	Cope 1866
<i>Siphlophis compressus</i>	0.326	Terrestrial	Daudin 1803
<i>Sistrurus catenatus</i>	0.159	Terrestrial	Minton 1983
<i>Sistrurus miliarius</i>	0.191	Terrestrial	Palmer 1978
<i>Sonora semiannulata</i>	0.226	Semifossorial	Frost 1983
<i>Spilotes pullatus</i>	0.373	Semi-arboreal	Linnaeus 1758
<i>Stenorrhina degenhardtii</i>	0.211	Terrestrial	Berthold 1846
<i>Stenorrhina freminvillei</i>	0.163	Terrestrial	Dumeril, Bibron and Dumeril 1854
<i>Storeria dekayi</i>	0.291	Terrestrial	Holbrook 1842; Trapido 1944; Christman 1982
<i>Storeria occipitomaculata</i>	0.286	Terrestrial	Ernst 2002
<i>Symphimus mayae</i>	0.468	Arboreal	Gaige 1936
<i>Tantilla albiceps</i>	0.262	Fossorial	Wilson 1985
<i>Tantilla alticola</i>	0.246	Semifossorial	Wilson 1986
<i>Tantilla armillata</i>	0.238	Semifossorial	Cope 1876

<i>Tantilla atriceps</i>	0.297	Semifossorial	Gunther 1895; Cole and Hardy 1983
<i>Tantilla bairdi</i>	0.176	Semifossorial	Wilson 1985
<i>Tantilla bocourti</i>	0.240	Fossorial	McDiarmid and Folke 1991
<i>Tantilla brevicaudata</i>	0.138	Fossorial	Wilson 1988
<i>Tantilla briggsi</i>	0.283	Fossorial	Savitsky and Smith 1971; Wilson 1985
<i>Tantilla calamarina</i>	0.209	Fossorial	Wilson 1988
<i>Tantilla coronadoi</i>	0.188	Fossorial	Hartweg 1944; Wilson 1990
<i>Tantilla coronata</i>	0.245	Semifossorial	Telford 1982
<i>Tantilla cucullata</i>	0.299	Fossorial	Wilson et al. 2000
<i>Tantilla cuesta</i>	0.240	Fossorial	Wilson 1985
<i>Tantilla cuniculator</i>	0.260	Terrestrial	Smith 1939; Wilson 1985
<i>Tantilla flavilineata</i>	0.240	Fossorial	Smith and Burger 1950; Wilson 1985
<i>Tantilla gracilis</i>	0.272	Semifossorial	Baird and Girard 1853
<i>Tantilla hobartsmithi</i>	0.285	Semifossorial	Taylor 1936; Cole and Hardy 1983
<i>Tantilla jani</i>	0.232	Fossorial	Wilson 1985
<i>Tantilla lempira</i>	0.233	Fossorial	Wilson 1990
<i>Tantilla melanocephala</i>	0.290	Terrestrial	Wilson 1992; Vidal et al. 2000
<i>Tantilla moesta</i>	0.275	Terrestrial	Gunther 1863
<i>Tantilla nigriceps</i>	0.257	Semifossorial	Kennicott 1860
<i>Tantilla oaxacae</i>	0.244	Fossorial	Wilson and Meyer 1971; Wilson 1990
<i>Tantilla oolitica</i>	0.265	Semifossorial	Telford 1980
<i>Tantilla planiceps</i>	0.273	Fossorial	Cole and Hardy 1983
<i>Tantilla relictata</i>	0.292	Fossorial	Telford 1980
<i>Tantilla reticulata</i>	0.282	Semifossorial	Wilson 1985
<i>Tantilla rubra</i>	0.282	Semifossorial	Cope 1876; Wilson et al. 2000
<i>Tantilla schistosa</i>	0.208	Terrestrial	Wilson 1987
<i>Tantilla semicineta</i>	0.271	Fossorial	Wilson 1990
<i>Tantilla shawi</i>	0.224	Fossorial	Wilson 1991
<i>Tantilla striata</i>	0.192	Fossorial	Wilson 1990
<i>Tantilla supracincta</i>	0.293	Semifossorial	Wilson 1985
<i>Tantilla taeniata</i>	0.287	Semifossorial	Smith and Smith 1951; Wilson 1983
<i>Tantilla tayrae</i>	0.244	Fossorial	Wilson 1990
<i>Tantilla tecta</i>	0.267	Terrestrial	Campbell and Smith 1997
<i>Tantilla vermiformis</i>	0.162	Fossorial	Wilson 1987
<i>Tantilla willcoxi</i>	0.296	Semifossorial	Stejneger 1902; Liner 1983
<i>Tantilla yaquia</i>	0.289	Semifossorial	McDiarmid 1977; Smith 1942
<i>Tantillita canula</i>	0.259	Terrestrial	Wilson 1988
<i>Tantillita lintoni</i>	0.312	Terrestrial	Smith 1940; Perez-Higareda 1985
<i>Tetracheilostoma bilineatum</i>	0.068	Fossorial	Schlegel 1839
<i>Thamnophis angustirostris</i>	0.307	Aquatic	Kennicott 1860
<i>Thamnophis atratus</i>	0.330	Aquatic	Kennicott 1860
<i>Thamnophis brachystoma</i>	0.307	Terrestrial	Cope 1892
<i>Thamnophis butleri</i>	0.301	Terrestrial	Minton 1980
<i>Thamnophis couchii</i>	0.326	Aquatic	Fitch 1984
<i>Thamnophis cyrtopsis</i>	0.337	Terrestrial	Webb 1980
<i>Thamnophis elegans</i>	0.334	Terrestrial	Smith 1942; Fitch 1983
<i>Thamnophis eques</i>	0.325	Terrestrial	Conant 1963
<i>Thamnophis exsul</i>	0.282	Terrestrial	Liner 1992
<i>Thamnophis gigas</i>	0.311	Aquatic	Fitch 1940; Hammerson 2007
<i>Thamnophis hammondi</i>	0.318	Aquatic	Kennicott 1860
<i>Thamnophis marcianus</i>	0.321	Semiaquatic	Baird and Girard 1853
<i>Thamnophis melanogaster</i>	0.314	Aquatic	Wiegmann 1830
<i>Thamnophis ordinoides</i>	0.298	Terrestrial	Kirk 1979
<i>Thamnophis proximus</i>	0.379	Semiaquatic	Say 1823; Rossman 1963, 1970
<i>Thamnophis radix</i>	0.296	Terrestrial	Baird and Girard 1853
<i>Thamnophis rufipunctatus</i>	0.316	Aquatic	Tanner 1990

<i>Thamnophis sauritus</i>	0.420	Semiaquatic	Rossman 1970
<i>Thamnophis sirtalis</i>	0.330	Semiaquatic	Fitch 1980
<i>Thamnophis valida</i>	0.347	Semiaquatic	Kennicott 1860; Conant 1961; McCranie and McAllister 1988
<i>Tretanorhinus nigroluteus</i>	0.329	Aquatic	Cope 1861; Wilson and Meyer 1985
<i>Tretanorhinus variabilis</i>	0.279	Aquatic	Dumeril, Bibron and Dumeril 1854; Barbour, Ramsden 1919
<i>Trimetopon gracile</i>	0.281	Terrestrial	Gunther 1872
<i>Trimetopon pliolepis</i>	0.308	Semifossorial	Cope 1894
<i>Trimetopon simile</i>	0.371	Terrestrial	Dunn 1930
<i>Trimetopon slevini</i>	0.252	Terrestrial	Dunn 1940
<i>Trimetopon viquezi</i>	0.185	Terrestrial	Dunn 1937
<i>Trimorphodon biscutatus</i>	0.229	Terrestrial	Scott and McDiarmid 1984
<i>Trimorphodon tau</i>	0.241	Semiarboreal	Scott and McDiarmid 1984
<i>Tropidoclonion lineatum</i>	0.199	Semifossorial	Hallowell 1856
<i>Tropidodipsas repleta</i>	0.261	Terrestrial	Smith, Lemos-Espinal, Hartman and Chiszar 2005
<i>Tropidodipsas sartorii</i>	0.263	Terrestrial	Cope 1863
<i>Tropidodipsas zweifeli</i>	0.227	Arboreal	Zweifel 1954
<i>Tropidophis canus</i>	0.149	Fossorial	Cope 1868
<i>Tropidophis caymanensis</i>	0.155	Fossorial	Sackett 1940
<i>Tropidophis celiae</i>	0.129	Fossorial	Hedges, Estrada, and Diaz 1999
<i>Tropidophis feicki</i>	0.144	Arboreal	Schwartz 1957; Hedges 2002
<i>Tropidophis fuscus</i>	0.156	Fossorial	Hedges and Garrido 1992
<i>Tropidophis haetianus</i>	0.155	Fossorial	Cope 1879; Hedges 2002; Schwartz 1975
<i>Tropidophis hendersoni</i>	0.148	Fossorial	Hedges and Garrido 2002
<i>Tropidophis maculatus</i>	0.141	Fossorial	Bibron 1843; Hedges 2002
<i>Tropidophis melanurus</i>	0.145	Fossorial	Powell 2002; Hedges 2002
<i>Tropidophis morenoi</i>	0.178	Fossorial	Hedges, Garrido and Diaz 2001
<i>Tropidophis nigroventris</i>	0.155	Fossorial	Bailey 1937; Hedges 2002
<i>Tropidophis pardalis</i>	0.157	Fossorial	Gundlach 1840; Hedges 2002
<i>Tropidophis pilsbryi</i>	0.157	Fossorial	Bailey 1937
<i>Tropidophis semicinctus</i>	0.151	Fossorial	Gundlach and Peters 1864
<i>Tropidophis spiritus</i>	0.163	Fossorial	Hedges and Garrido 1999; Hedges 2002
<i>Tropidophis wrighti</i>	0.161	Arboreal	Stull 1928; Hedges 2002
<i>Tropidophis xanthogaster</i>	0.143	Fossorial	Dominguez, Moreno and Hedges 2006
<i>Typhlops squamosus</i>	0.029	Fossorial	Schlegel 1839; KokFuenmayor 2008; Senaris 1998
<i>Typhlops agoralionis</i>	0.034	Fossorial	Thomas and Hedges 2007
<i>Typhlops anchaurus</i>	0.021	Fossorial	Thomas and Hedges 2007
<i>Typhlops anousius</i>	0.018	Fossorial	Thomas and Hedges 2007
<i>Typhlops arator</i>	0.021	Fossorial	Thomas and Hedges 2007
<i>Typhlops biminiensis</i>	0.020	Fossorial	Richmond 1955
<i>Typhlops brongersmianus</i>	0.020	Fossorial	Vanzolini 1976; Dixon and Hendricks 1979
<i>Typhlops capitulatus</i>	0.022	Fossorial	Richmond 1964
<i>Typhlops catapontus</i>	0.025	Fossorial	Hedges and Thomas 1991; Thomas and Powell 1995
<i>Typhlops caymanensis</i>	0.029	Fossorial	Sackett 1940
<i>Typhlops contorhinus</i>	0.019	Fossorial	Thomas and Hedges 2007
<i>Typhlops costaricensis</i>	0.050	Fossorial	Dixon and Hendricks 1979; Villa 1988
<i>Typhlops dominicanus</i>	0.016	Fossorial	Rudman and Powell 2010
<i>Typhlops epactius</i>	0.021	Fossorial	Thomas 1968; Thomas 1989
<i>Typhlops eperopeus</i>	0.034	Fossorial	Thomas and Hedges 2007
<i>Typhlops golyathi</i>	0.030	Fossorial	Dominguez and Moreno 2009
<i>Typhlops gonavensis</i>	0.001	Fossorial	Thomas and Powell, 1995
<i>Typhlops granti</i>	0.018	Fossorial	Ruthven and Gage 1935
<i>Typhlops hectus</i>	0.034	Fossorial	Thomas and Powell 1992
<i>Typhlops hypomethes</i>	0.200	Fossorial	Hedges and Thomas 1991
<i>Typhlops jamaicensis</i>	0.023	Fossorial	Shaw 1802
<i>Typhlops lumbricalis</i>	0.021	Fossorial	Linnaeus 1758
<i>Typhlops microstomus</i>	0.014	Fossorial	Cope 1866; Dixon and Hendricks 1979

<i>Typhlops monastus</i>	0.023	Fossorial	Thomas 1966
<i>Typhlops monensis</i>	0.017	Fossorial	Schmidt 1926
<i>Typhlops notorachius</i>	0.016	Fossorial	Thomas and Hedges 2007
<i>Typhlops perimychnus</i>	0.020	Fossorial	Thomas and Hedges 2007
<i>Typhlops platycephalus</i>	0.024	Fossorial	Dumeril and Bibron 1844; Hedges and Thomas 1991
<i>Typhlops proancyllops</i>	0.040	Fossorial	Thomas and Hedges 2007
<i>Typhlops pusillus</i>	0.033	Fossorial	Thomas and Powell 1994
<i>Typhlops richardi</i>	0.021	Fossorial	Dumeril and Bibron 1844
<i>Typhlops rostellatus</i>	0.019	Fossorial	Stejneger 1904
<i>Typhlops satelles</i>	0.017	Fossorial	Thomas and Hedges 2007
<i>Typhlops schwartzi</i>	0.032	Fossorial	Thomas and Powell 1994
<i>Typhlops stadelmani</i>	0.017	Fossorial	Schmidt 1936; McCranie and Wilson 2001
<i>Typhlops sulcatus</i>	0.023	Fossorial	Thomas and Powell 1994
<i>Typhlops sylleptor</i>	0.030	Fossorial	Thomas and Hedges 2007
<i>Typhlops syntherus</i>	0.026	Fossorial	White, Parmerlee and Powell 1992
<i>Typhlops tasymicris</i>	0.014	Fossorial	Thomas 1974
<i>Typhlops tenuis</i>	0.017	Fossorial	Salvin 1860; Dixon and Hendricks 1979
<i>Typhlops tetrathyreus</i>	0.025	Fossorial	Thomas and Powell 1994
<i>Typhlops titanops</i>	0.046	Fossorial	Thomas and Powell 1995
<i>Typhlops trinitatus</i>	0.013	Fossorial	Richmond 1965; Dixon and Hendricks 1979
<i>Typhlops tycherus</i>	0.015	Fossorial	Townsend, Wilson, Ketzler and Luque-Montes 2008
<i>Ungaliophis continentalis</i>	0.124	Terrestrial	Villa and Wilson 1990
<i>Ungaliophis panamensis</i>	0.156	Terrestrial	Corn 1974; Obst et al. 1988; Villa and Wilson 1990
<i>Uromacer catesbyi</i>	0.455	Arboreal	Schwartz and Henderson 1984; Vidal et al. 2000
<i>Uromacer frenatus</i>	0.505	Arboreal	Henderson and Schwartz 1984; Vidal et al. 2000
<i>Uromacer oxyrhynchus</i>	0.496	Arboreal	Schwartz and Henderson 1984; Schwartz and Henderson 1991
<i>Urotheca decipiens</i>	0.456	Terrestrial	Gunther 1893
<i>Urotheca fulviceps</i>	0.441	Semifossorial	Cope 1886
<i>Urotheca guentheri</i>	0.384	Terrestrial	Dunn 1938
<i>Urotheca Myersi</i>	0.473	Terrestrial	Savage and Lahanas 1989
<i>Urotheca pachyura</i>	0.461	Terrestrial	Cope 1875
<i>Virginia striatula</i>	0.232	Semifossorial	Powell, Collins and Fish 1994
<i>Virginia valeriae</i>	0.216	Semifossorial	Powell, Collins and Fish 1992
<i>Xenodon rabdocephalus</i>	0.275	Terrestrial	Wied 1824; Smith 1940
<i>Xenoxybelis boulengeri</i>	0.491	Arboreal	Procter 1923; Prudente et al. 2008

Appendix Text 1.

The following trees correspond to species lists in the Appendix Tables 1, 2, and 3. They are in Newick format. The first two are listed by species name and names are substituted with genus name if two species names are the same.

Mean length to width ratio

(jamicus:1,((scytale:1,rufus:1):1,(unicolor:1,(((spilota:1,
(molurus:1,regius:1):1):1,(chenchria:1,murinus:1):1):1,(javanicus:1,(carinatus:1,
(((muta:1,(piscivorus:1,molossus:1):1):1,(arietans:1,russelli:1):1):1,((fulvius:1,
(nigricollis:1,(viridis:1,(fasciatus:1,latecaudata:1):1):1):1),((nasuta:1,(elegans:1,
(fulgidus:1,flagellum:1):1):1):1,((dekeyi:1,ordinoides:1):1):1,
(aesculapii:1,severus:1):1):1):1):1):1):1):1):1);

Vertebral shape

((dulcis:1,punctatus:1):1,((scylate:1,(woodmasoni:1,rufus:1):1):1,((bicolor:1,unicolor:1):
1,(((johni:1,(reinhardtii:1,(bottae:1,Lichanura:1):1):1):1,((albertisii:1,
(spilota:1,molurus:1):1):1,((constrictor:1,(murinus:1,caninus:1):1):1),
((aspera:1,carinata:1):1,(dumerilii:1,madagascariensis:1):1):1):1):1,(dussumieri:1,
(canus:1,(granulatus:1,(((albolabris:1,(picadoi:1,(((contortrix:1,piscivorus:1):1,
(horridus:1,ruber:1):1):1,(nigroviridis:1,(muta:1,undulatus:1):1):1):1):1,(gabonica:1,
(russelii:1,macmahonii:1):1):1):1,(((fulvius:1,((antarcticus:1,semperi:1):1,
(hannah:1,(nigra:1,nigricollis:1):1):1):1):1,(rynhops:1,tentaculatum:1):1):1,((leporinum:
1,Actractaspis:1):1, colubrinus:1):1):1,(((Heterodon:1,(merremi:1,gigas:1):1):1),
(erythrogaster:1,sirtalis:1):1):1,
((irregularis:1,(melanoleucus:1,(triangulum:1,subocularis:1):1):1):1,(mucosus:1,
(pullatus:1,(Coluber:1,corais:1):1):1):1):1):1):1):1):1):1):1):1);

Relative Tail Length

(((((Tetracheilostoma_bilineatum:1,(Mitophis_asbolepis:1,Mitophis_pyrites:1):1):1,(Ren
a_maxima:1,Rena_dulcis:1):1):1,(Epictia_columbi:1,Epictia_nasalis:1):1):1,((Anomalepi
s_mexicanus:1,Helminthophis_frontalis:1):1,(Ramphotyphlops_braminus:1,(Typhlops_a
goralionis:1,Typhlops_anchaurus:1):1):1):1,(Loxocemus_bicolor:1,
(((Exiliboa_placata:1,(Ungaliophis_panamensis:1,Ungaliophis_continentalis:1):1):1,((Bo
a_constrictor:1,((Corallus_hortulanus:1,Corallus_annulatus:1):1,(Epicrates_inornatus:1,E
picrates_cenchria:1):1):1):1,(Charina_bottae:1,Lichanura_trivirgata:1):1):1,((Tropidop
his_canus:1,Tropidophis_wrighti:1):1,(((Agkistrodon_contortrix:1,(Agkistrodon_pisciv
orus:1,(Agkistrodon_bilineatus:1,Agkistrodon_taylori:1):1):1):1,((Lachesis_melanoceph
ala:1,Lachesis_stenophrys:1):1,(Ophryacus_melanurus:1,Ophryacus_undulatus:1):1):1):1,(
((((((Bothriechis_aurifer:1,Bothriechis_rowleyi:1):1,(Bothriechis_marchi:1,Bothriechis_t
halassinus:1):1):1,Bothriechis_bicolor:1):1,Bothriechis_lateralis:1):1,Bothriechis_nigrovi
ridis:1):1,(Bothriechis_shlegelii:1,Bothriechis_supraciliaris:1):1):1,((((Cerrophidion_go
dmani:1,(Cerrophidion_petlalcalensis:1,Cerrophidion_tzotzilorum:1):1):1,(((Porthidium
_lansbergii:1,Porthidium_porrasii:1):1,Porthidium_nasutum:1):1,Porthidium_yucatanicu
m:1):1,(Porthidium_ophryomegas:1,Porthidium_dunni:1):1):1):1,Atropoides_picadoi:1):
1,(((Atropoides_mexicanus:1,Atropoides_nummifer:1):1,Atropoides_olmec:1):1,Atropoi

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