

APPENDIX 1.

Checklist of recognized amphibian and reptile species in Costa Rica. In square brackets, we indicate how many species belong to the families (F) and genera (G) or high-level taxonomic categories. The asterisk (*) indicates those species that have been introduced, while (‡) indicates species that are possibly extinct (not observed in the last 25 years).

CLASS AMPHIBIA GRAY, 1825 [17F/46G + 2*G = 221 (218 + 3*)]

ORDER GYMNOPTIONA MÜLLER, 1832 [2F/4G = 9]

Family Caeciliidae Rafinesque, 1814 [2G = 2]

Caecilia Linnaeus, 1758 [1]

Caecilia volcani Taylor, 1969

Oscacilia Taylor, 1968 [1]

Oscacilia osae Lahanas & Savage, 1992

Family Dermophiidae Taylor, 1969 [2G = 7]

Dermophis Peters, 1880 [6]

Dermophis costaricense Taylor, 1955

Dermophis glandulosus Taylor, 1955

Dermophis gracilior Günther, 1902

Dermophis mexicanus (Duméril & Bibron, 1841)

Dermophis occidentalis Taylor, 1955

Dermophis parviceps (Dunn, 1924)

Gymnopsis Peters, 1874 [1]

Gymnopsis multiplicata Peters, 1874

ORDER CAUDATA FISHER VON WALDHEIM, 1813 [1F/3G = 56]

Family Plethodontidae Gray, 1850 [3G = 56]

Subfamily Hemidactyliinae Hallowell, 1856 [3G = 56]

Bolitoglossa Duméril, Bibron & Duméril, 1854 [29]

Subgenus *Bolitoglossa* (*Bolitoglossa*) Duméril, Bibron & Duméril, 1854 [2]

Bolitoglossa lignicolor (Peters, 1873)

Bolitoglossa striatula (Noble, 1918)

Subgenus *Bolitoglossa* (*Eladinea*) Miranda-Ribeiro, 1937 [26]

Bolitoglossa auae Kubicki & Arias, 2016

Bolitoglossa aureogularis Boza-Oviedo, Rovito, Chaves, García-Rodríguez, Artavia, Bolaños & Wake, 2012

Bolitoglossa bolanosi Arias, Chaves & Parra-Olea, 2023

Bolitoglossa bramei Wake, Savage & Hanken, 2007

Bolitoglossa cerroensis (Taylor, 1952)

Bolitoglossa chiquitica Arias, Chaves, Kubicki & Parra-Olea, 2024

Bolitoglossa colonea (Dunn, 1924)

Bolitoglossa compacta Wake, Brame & Duellman, 1973

Bolitoglossa diminuta Robinson, 1976

Bolitoglossa epimela Wake & Brame, 1963

Bolitoglossa gomezi Wake, Bolaños & Hanken, 2007

Bolitoglossa gracilis Bolaños, Robinson & Wake, 2007

Bolitoglossa kamuk Boza-Oviedo, Rovito, Chaves, García-Rodríguez, Artavia, Bolaños & Wake, 2012

Bolitoglossa marmorea (Tanner & Brame, 1961)

Bolitoglossa minutula Wake, Brame & Duellman, 1973

Bolitoglossa nigrescens (Taylor, 1949)

Bolitoglossa pesrubra (Taylor, 1952)

Bolitoglossa pygmaea Bolaños & Wake, 2009

Bolitoglossa robinsoni Bolaños & Wake, 2009

Bolitoglossa robusta (Cope, 1894)

Bolitoglossa schizodactyla Wake & Brame, 1966

Bolitoglossa silentium Arias, Chaves, Kubicki & Parra-Olea, 2024

Bolitoglossa sooyorum Vial, 1963

Bolitoglossa splendida Boza-Oviedo, Rovito, Chaves, García-Rodríguez, Artavia, Bolaños & Wake, 2012

Bolitoglossa subpalmata (Boulenger, 1896)

Bolitoglossa tica García-París, Parra-Olea & Wake, 2008

Subgenus *Bolitoglossa* (*Pachymandra*) Parra-Olea, García-París & Wake [1]

Bolitoglossa alvaradoi Taylor, 1954

Nototriton Wake & Elias, 1983 [11]

Subgenus *Nototriton* (*Nototriton*) Wake & Elias, 1983 [8]

Nototriton abscondens (Taylor, 1948)

Nototriton costaricense Arias & Kubicki, 2018

Nototriton gamezi García-París & Wake, 2000

Nototriton guanacaste Good & Wake, 1993

Nototriton kenorum Kubicki, Reyes & Arias, 2022

Nototriton lateomuscus Kubicki, Reyes & Arias, 2022

Nototriton maximo Kubicki, Reyes & Arias, 2022

Nototriton picadoi (Stejneger, 1911)

Subgenus *Nototriton* (*Taylorotriton*) Kubicki, Reyes & Arias, 2022 [3]

Nototriton richardi (Taylor, 1949)

Nototriton tapanti Good & Wake, 1993

Nototriton vereh Kubicki, Reyes & Arias, 2022

Oedipina Keferstein, 1868 [16]

Subgenus *Oedipina* (*Oedipina*) Keferstein, 1868 [11]

Oedipina alfaroi Brame, 1968

Oedipina altura Dunn, 1921

Oedipina collaris (Stejneger, 1907)

Oedipina cyclocauda Taylor, 1952

Oedipina gracilis Taylor, 1952

Oedipina grandis Brame & Duellman, 1970

Oedipina pacificenses Taylor, 1952

Oedipina paucidentata Brame, 1968

Oedipina poelzi Brame, 1963

Oedipina pseudouniformis Brame, 1968

Oedipina uniformis Keferstein, 1868

Subgenus *Oedipina* (*Oedipinola*) Hilton, 1946 [5]

Oedipina alleni Taylor, 1954

Oedipina berlini Kubicki, 2016

Oedipina carablanca Brame, 1968

Oedipina nimaso Boza-Oviedo, Rovito, Chaves, García-Rodríguez,
Artavia, Bolaños & Wake, 2012

Oedipina savagei García-París & Wake, 2000

ORDER ANURA FISHER VON WALDHEIM, 1813 [14F/39G + 2*G = 156 (153 + 3*)]

Superfamily Brachycephaloidea Günther, 1858 [3F/4G + 1*G = 50 (48 + 2*)]

Family Craugastoridae Hedges, Duellman & Heinicke, 2008 [1G = 31]

Craugastor Cope, 1862 [31]

Craugastor aenigmaticus Arias, Chaves & Parra-Olea, 2018

Craugastor andi (Savage, 1975)

Craugastor angelicus (Savage, 1975)

Craugastor bransfordii (Cope, 1886)

‡*Craugastor catalinae* (Campbell & Savage, 2000)

Craugastor crassidigitus (Taylor, 1952)

‡*Craugastor cuaquero* (Savage, 1980)

Craugastor escoces (Savage, 1975)

Craugastor fitzingeri (Schmidt, 1857)

Craugastor fleischmanni (Boettger, 1892)

Craugastor gabbi Arias, Chaves, Crawford & Parra-Olea, 2016

Craugastor gollmeri (Peters, 1863)

Craugastor gulosus (Cope, 1875)

Craugastor megacephalus (Cope, 1875)

Craugastor melanostictus (Cope, 1875)

Craugastor mimus (Taylor, 1955)

Craugastor noblei (Barbour & Dunn, 1921)

‡*Craugastor obesus* (Barbour, 1926)

Craugastor persimilis (Barbour, 1926)

‡*Craugastor phasma* (Lips & Savage, 1996)

Craugastor podiciferus (Cope, 1875)

Craugastor ranoides (Cope, 1886)

Craugastor rayo (Savage & DeWeese, 1979)

Craugastor rearki (Taylor, 1952)

‡*Craugastor rhyacobatrachus* (Campbell & Savage, 2000)

Craugastor rugosus (Peters, 1873)

Craugastor stejnegerianus (Cope, 1893)

Craugastor talamancae (Dunn, 1931)

Craugastor taurus (Taylor, 1958)

Craugastor underwoodi (Boulenger, 1896)

Craugastor zunigai Arias, Hertz & Parra-Olea, 2019

Family Eleutherodactylidae Lutz, 1954 [1G + 1*G = 8 (6+2*)]

Diasporus Hedges, Duellman & Heinicke, 2008 [6]

Diasporus amirae Arias, Chaves, Salazar, Salazar-Zúñiga & García-Rodríguez, 2019

Diasporus diastema (Cope, 1875)

Diasporus hylaeformis (Cope, 1875)

Diasporus tigrillo (Savage, 1997)

Diasporus ventrimaculatus Chaves, García-Rodríguez, Mora & Leal, 2009

Diasporus vocator (Taylor, 1955)

**Eleutherodactylus* Duméril & Bibron, 1841 [2*]

**Eleutherodactylus coqui* Thomas, 1966

**Eleutherodactylus planirostris* (Cope, 1862)

Family Strabomantidae Hedges, Duellman & Heinicke, 2008 [2G = 11]

Subfamily Pristimantinae Ohler & Dubois, 2012 [1G = 10]

Pristimantis Jiménez de la Espada, 1870 [9]

Pristimantis altae (Dunn, 1942)

Pristimantis caryophyllaceus (Barbour, 1928)

Pristimantis cerasinus (Cope, 1875)

Pristimantis cruentus (Peters, 1873)

Pristimantis gaigei (Dunn, 1942)

Pristimantis moro (Savage, 1965)

Pristimantis museosus (Ibañez, Jaramillo & Arosemena, 1994)

Pristimantis pardalis (Barbour, 1928)

Pristimantis ridens (Cope, 1866)

Pristimantis taeniatus (Boulenger, 1912)

Subfamily Strabomantinae Hedges, Duellman & Heinicke, 2008 [1G = 1]

Strabomantis Peters, 1863 [1]

Strabomantis bufoniformis (Boulenger, 1896)

Family Bufonidae Gray, 1825 [4G = 18]

Atelopus Duméril & Bibron, 1841 [4]

‡*Atelopus chiriquiensis* Shreve, 1936

‡*Atelopus chirripoensis* Savage & Bolaños, 2009

‡*Atelopus senex* Taylor, 1952

Atelopus varius (Lichtenstein & Martens, 1856)

Incilius Cope, 1863 [12]

Incilius aucoinae (O'Neill & Mendelson, 2004)

Incilius chompipe (Vaughan & Mendelson, 2007)

Incilius coccifer (Cope, 1866)

Incilius coniferus (Cope, 1862)

Incilius epioticus (Cope, 1875)

‡*Incilius fastidiosus* (Cope, 1875)

Incilius guanacaste (Vaughan & Mendelson, 2007)

Incilius holdridgei (Taylor, 1952)

Incilius luetkenii (Boulenger, 1891)

Incilius melanochlorus (Cope, 1877)

‡*Incilius periglenes* (Savage, 1967)

Incilius valliceps (Wiegmann, 1833)

Rhaebo Cope, 1862 [1]

Rhaebo haematiticus (Cope, 1862)

Rhinella Fitzinger, 1826 [1]

Rhinella horribilis (Wiegmann, 1833)

Family Centrolenidae Taylor, 1951 [5G = 15]

Subfamily Centroleninae Taylor, 1951 [4G = 7]

Cochranella Taylor, 1951 [2]

Cochranella euknemos (Savage & Starrett, 1967)

Cochranella granulosa (Taylor, 1949)

Espadarana Guayasamin, Castroviejo-Fisher, Trueb, Ayarzagüena, Rada & Vilà, 2009 [1]

Espadarana prosoblepon (Boettger, 1892)

Sachatamia Guayasamin, Castroviejo-Fisher, Trueb, Ayarzagüena, Rada & Vilà, 2009 [2]

Sachatamia albomaculata (Taylor, 1949)

Sachatamia ilex (Savage, 1967)

Teratohyla Taylor, 1951 [2]

Teratohyla pulverata (Peters, 1873)

Teratohyla spinosa (Taylor, 1949)

Subfamily Hyalinobatrachinae Guayasamin, Castroviejo-Fisher, Trueb, Ayarzagüena, Rada & Vilà, 2009 [1G = 8]

Hyalinobatrachium Ruiz-Carranza & Lynch, 1991 [8]

Hyalinobatrachium chirripoi (Taylor, 1958)

Hyalinobatrachium colymbiphyllum (Taylor, 1949)

Hyalinobatrachium diana Kubicki, Salazar & Puschendorf, 2015

Hyalinobatrachium fleischmanni (Boettger, 1893)

Hyalinobatrachium talamancae (Taylor, 1952)

Hyalinobatrachium tatayoi Castroviejo-Fisher, Ayarzagüena & Vilà, 2007

Hyalinobatrachium valerioi (Dunn, 1931)

Hyalinobatrachium vireovittatum (Starret & Savage, 1973)

Superfamily Dendrobatoidea Cope, 1865 [2F/5G = 8]

Family Aromobatidae Grant, Frost, Caldwell, Gagliardo, Haddad, Kok, Means, Noonan, Schargel & Wheeler, 2006 [1G = 1]

Allobates Zimmermann & Zimmermann, 1988 [1]

Allobates talamancae (Cope, 1875)

Family Dendrobatidae Cope, 1865 [4G = 7]

Subfamily Colostethinae Cope, 1867 [1G = 2]

Silverstoneia Grant, Frost, Caldwell, Gagliardo, Haddad, Kok, Means, Noonan, Schargel & Wheeler, 2006 [2]

Silverstoneia flotator (Dunn, 1931)

Silverstoneia nubicola (Dunn, 1924)

Subfamily Dendrobatinae Cope, 1865 [3G = 5]

Dendrobates Wagler, 1830 [1]

Dendrobates auratus (Girard, 1855)

Oophaga Bauer, 1994 [2]

Oophaga granulifera (Taylor, 1958)

Oophaga pumilio (Schmidt, 1857)

Phyllobates Bibron, 1840 [2]

Phyllobates lugubris (Schmidt, 1857)

Phyllobates vittatus (Cope, 1893)

Family Hemiphractidae Peters, 1862 [1G = 1]

Gastrotheca Fitzinger, 1843 [1]

Gastrotheca cornuta (Boulenger, 1898)

Superfamily Hyloidea Rafinesque, 1815 [2F/42G + 1*G = 48 (47 + 1*)]

Family Hylidae Rafinesque, 1815 [11G + 1*G = 41 (40 + 1*)]

Subfamily Cophomantinae Hoffmann, 1878 [2G = 4]

Boana Gray, 1825 [2]

Boana rosenbergi (Boulenger, 1898)

Boana rufitela (Fouquette, 1961)

Hyloscirtus Peters, 1862 [2]

Hyloscirtus colymba (Dunn, 1931)

Hyloscirtus palmeri (Boulenger, 1908)

Subfamily Hylinae Rafinesque, 1815 [9G +1*G = 37 (36 + 1*)]

Dendropsophus Fitzinger, 1843 [3]

Dendropsophus ebraccatus (Cope, 1874)

Dendropsophus microcephalus (Cope, 1886)

Dendropsophus phlebodes (Stejneger, 1906)

Duellmanohyla Campbell & Smith, 1992 [4]

Duellmanohyla legleri (Taylor, 1958)

Duellmanohyla lythrodes (Savage, 1968)

Duellmanohyla rufiocularis (Taylor, 1952)

Duellmanohyla uranochroa (Cope, 1875)

Ecnomihyla Faivovich, Haddad, García, Frost, Campbell & Wheeler, 2005 [4]

Ecnomihyla bailarina Batista, Hertz, Mebert, Köhler, Lotzkat, Ponce & Vesely, 2014

Ecnomihyla fimbrimembra (Taylor, 1948)

Ecnomihyla miliaria (Cope, 1886)

Ecnomihyla sukia Savage & Kubicki, 2010

Isthmohyla Faivovich, Haddad, García, Frost, Campbell & Wheeler, 2005 [11]

Isthmohyla angustilineata (Taylor, 1952)

Isthmohyla calypsa (Lips, 1996)

Isthmohyla debilis (Taylor, 1952)

Isthmohyla lancasteri (Barbour, 1928)

Isthmohyla picadoi (Dunn, 1937)

Isthmohyla pictipes (Cope, 1875)

Isthmohyla pseudopuma (Günther, 1901)

Isthmohyla rivularis (Taylor, 1952)

Isthmohyla tica (Starret, 1966)

Isthmohyla xanthosticta (Duellman, 1968)

Isthmohyla zeteki (Gaige, 1929)

**Osteopilus* Fitzinger, 1843 [1]

**Osteopilus septentrionalis* (Duméril & Bibron, 1841)

Scinax Wagler, 1830 [4]

Scinax altae (Dunn, 1933)

Scinax boulengeri (Cope, 1887)

Scinax elaeochroa (Cope, 1875)

Scinax staufferi (Cope, 1865)

Smilisca Cope, 1865 [6]

Smilisca baudinii (Duméril & Bibron, 1841)

Smilisca manisorum (Taylor, 1954)

Smilisca phaeota (Cope, 1862)

Smilisca puma (Cope, 1885)

Smilisca sila Duellman & Trueb, 1966

Smilisca sordida (Peters, 1863)

Tlalocohyla Faivovich, Haddad, García, Frost, Campbell & Wheeler, 2005 [2]

Tlalocohyla celeste Varela-Soto, Abarca, Brenes-Mora, Aspinall,
Leenders & Shepack, 2022

Tlalocohyla loquax (Gaige & Stuart, 1934)

Trachycephalus Tschudi, 1838 [1]

Trachycephalus tiphonius (Linnaeus, 1758)

Triprion Cope, 1866 [1]

Triprion spinosus (Steindachner, 1864)

Family Phyllomedusidae Günther, 1858 [2G = 7]

Agalychnis Cope, 1864 [5]

Agalychnis annae (Duellman, 1963)

Agalychnis callidryas (Cope, 1862)

Agalychnis lemur (Boulenger, 1882)

Agalychnis saltator Taylor, 1955

Agalychnis spurrelli Boulenger, 1913

Cruziohyla Faivovich, Haddad, García, Frost, Campbell & Wheeler, 2005 [2]

Cruziohyla calcarifer (Boulenger, 1902)

Cruziophyla sylviae Gray, 2018

Family Leptodactylidae Werner, 1896 [2G = 6]

Subfamily Leiuperinae Bonaparte, 1850 [1G = 1]

Engystomops Jiménez de la Espada, 1872 [1]

Engystomops pustulosus (Cope, 1864)

Subfamily Leptodactylinae Werner, 1896 [1G = 5]

Leptodactylus Fitzinger, 1826 [5]

Leptodactylus fragilis (Brocchi, 1877)

Leptodactylus insularum Barbour, 1906

Leptodactylus melanonotus (Hallowell, 1861)

Leptodactylus poecilochilus (Cope, 1862)

Leptodactylus savagei Heyer, 2005

Family Microhylidae Günther, 1858 [3G = 4]

Ctenophryne Mocquard, 1904 [1]

Ctenophryne aterrima (Günther, 1901)

Elachistocleis Parker, 1927 [1]

Elachistocleis pearsei (Ruthven, 1914)

Hypopachus Keferstein, 1867 [2]

Hypopachus pictiventris (Cope, 1886)

Hypopachus variolosus (Cope, 1866)

Family Ranidae Batsch, 1796 [1G = 5]

Lithobates Fitzinger, 1843 [5]

Lithobates forreri (Boulenger, 1883)

Lithobates taylori (Smith, 1959)

Lithobates vaillanti (Brocchi, 1877)

Lithobates vibicarius (Cope, 1894)

Lithobates warszewitschii (Schmidt, 1857)

Family Rhinophrynidae Günther, 1858 [1G = 1]

Rhinophrynus Duméril & Bibron, 1841 [1]

Rhinophrynus dorsalis Duméril & Bibron, 1841

CLASS REPTILIA LAURENTI, 1768 [36F/110G +3*G = 257 (250+7*)]

ORDER CROCODILIA OWEN, 1842 [2F/2G = 2]

Family Alligatoridae Cuvier, 1807 [1G = 1]

Caiman Spix, 1825 [1]

Caiman crocodilus (Linnaeus, 1758)

Family Crocodylidae Gmelin, 1789 [1G = 1]

Crocodylus Laurenti, 1768 [1]

Crocodylus acutus (Cuvier, 1807)

ORDER TESTUDINES BATSCH, 1788 [6F/9G = 14]

Superfamily Chelonioidea Oppel, 1811 [2F/5G = 5]

Family Cheloniidae Oppel, 1811 [4G = 4]

Subfamily Carettinae Gray, 1825 [3G = 3]

Caretta Rafinesque, 1814 [1]

Caretta caretta (Linnaeus, 1758)

Eretmochelys Fitzinger, 1843 [1]

Eretmochelys imbricata (Linnaeus, 1766)

Lepidochelys Fitzinger 1843 [1]

Lepidochelys olivacea (Eschscholtz, 1829)

Subfamily Cheloniinae Opel, 1811 [1G = 1]

Chelonia Brongniart, 1800 [1]

Chelonia mydas (Linnaeus, 1758)

Family Dermochelyidae Fitzinger, 1843 [1G = 1]

Dermochelys Blainville, 1816 [1]

Dermochelys coriacea (Vandelli, 1761)

Superfamily Chelydroidea Gray, 1831 [1F/1G = 1]

Family Chelydridae Gray, 1831 [1G = 1]

Chelydra Schweigger, 1812 [1]

Chelydra acutirostris Peters, 1862

Superfamily Kinosternoidea Joyce, Parham & Gauthier, 2004 [1F/1G = 3]

Family Kinosternidae Agassiz, 1857 [1G = 3]

Kinosternon Spix, 1824 [3]

Kinosternon angustipons Legler, 1965

Kinosternon leucostomum Dumeril and Bribon, 1851

Kinosternon scorpioides (Linnaeus, 1766)

Superfamily Testudinoidea Fitzinger, 1826 [2F/5G = 5]

Family Emydidae Rafinesque, 1815 [1G = 2]

Trachemys Agassiz, 1857 [2]

Trachemys grayi (Bocourt, 1868)

Trachemys venusta Gray, 1856

Family Geoemydidae Theobald, 1868 [1G = 2]

Rhinoclemmys Fitzinger, 1835 [3]

Rhinoclemmys annulata (Gray, 1860)

Rhinoclemmys funerea (Cope, 1875)

Rhinoclemmys pulcherrima (Gray, 1855)

ORDER SQUAMATA OPPEL, 1811 [28F/99G + 3*G = 241 (234+7*)]

SAURIA MACARTNEY, 1802 [16F/31G + 2*G = 94 (88+6*)]

INFRAORDER GEKKOTA CUVIER, 1817 [4F/6G + 2*G = 13 (9+4*)]

Family Eublepharidae Boulenger, 1883 [1G = 1]

Coleonyx Gray, 1845 [1]

Coleonyx mitratus (Peters, 1863)

Family Gekkonidae Gray, 1825 [2*G = 4*]

**Hemidactylus* Oken, 1817 [3*]

**Hemidactylus frenatus* (Duméril & Bibron, 1836)

**Hemidactylus garnotii* (Duméril & Bibron, 1836)

**Hemidactylus mabouia* (Moreau de Jonnès, 1818)

**Lepidodactylus* Fitzinger, 1843 [1]

**Lepidodactylus lugubris* (Duméril & Bibron, 1836)

Family Phyllodactylidae Gamble, Bauer, Greenbaum & Jackman, 2008 [2G = 2]

Phyllodactylus Gray, 1828 [1]

Phyllodactylus tuberculosus Wiegmann, 1835

Thecadactylus Oken, 1817 [1]

Thecadactylus rapicauda (Houttuyn, 1782)

Family Sphaerodactylidae Underwood, 1954 [3G = 6]

Gonatodes Fitzinger, 1843 [1]

Gonatodes albogularis (Duméril & Bibron, 1836)

Lepidoblepharis Peracca, 1897 [1]

Lepidoblepharis xanthostigma (Noble, 1916)

Sphaerodactylus Wagler, 1830 [4]

Sphaerodactylus graptolaemus Harris & Kluge, 1984

Sphaerodactylus homolepis Cope, 1886

Sphaerodactylus millepunctatus (Hallowell, 1861)

Sphaerodactylus pacificus Stejneger, 1903

INFRAORDER SCINCOMORPHA CAMP, 1923 [2F/4G = 7]

Family Scincidae Gray, 1825 [3G = 5]

Subfamily Mabuyinae Mittleman, 1952 [1G = 3]

Marisora Hedges & Conn, 2012 [3]

Marisora alliacea (Cope, 1875)

Marisora brachypoda (Taylor, 1956)

Marisora unimarginata (Cope, 1862)

Subfamily Scincinae Gray, 1825 [1G = 1]

Mesoscincus Griffith, Ngo & Murphy, 2000 [1]

Mesoscincus managuae (Dunn, 1933)

Subfamily Sphenomorphinae [1G = 1]

Scincella Mittleman, 1950 [1]

Scincella cherriei (Cope, 1893)

Family Xantusiidae Baird, 1858 [1G = 2]

Lepidophyma Duméril, 1851 [2]

Lepidophyma flavimaculatum Duméril, 1851

Lepidophyma reticulatum Taylor, 1955

INFRAORDER LATERATA VIDAL & HEDGES, 2005 [3F/9G = 13]

**Family Alopoglossidae Goicoechea, Frost, De la Riva, Pellegrino, Sites Jr.,
Rodrigues & Padial, 2016 [1G = 1]**

Alopoglossus Boulenger, 1885 [1]

Alopoglossus plicatus (Taylor, 1949)

Family Gymnophthalmidae Fitzinger, 1826 [5G = 6]

Subfamily Cercosaurinae Gray, 1838 [4G = 5]

Anadia Gray, 1845 [1]

Anadia ocellata Gray, 1845

Bachia Gray, 1845 [1]

Bachia blairi (Dunn, 1940)

Centrosaura Vásquez-Restrepo, Ibáñez, Sánchez-Pacheco & Daza, 2020 [1]

Centrosaura apodema (Uzzell, 1966)

Loxopholis Cope, 1869 [2]

Loxopholis rugiceps Cope, 1869

Loxopholis southi (Ruthven & Gaige, 1924)

Subfamily Gymnophthalminae Fitzinger, 1826 [1G = 1]

Gymnophthalmus Merrem, 1820 [1]

Gymnophthalmus speciosus (Hallowell, 1861)

Family Teiidae Gray, 1827 [3G = 6]

Ameiva Meyer, 1795 [1]

Ameiva praesignis (Baird & Girard, 1852)

Aspidoscelis Fitzinger, 1843 [1]

Aspidoscelis deppii (Wiegmann, 1834)

Holcosus Cope, 1862 [4]

Holcosus festivus (Lichtenstein & Von Martens, 1856)

Holcosus leptophrys (Cope, 1893)

Holcosus parvus (Barbour & Noble, 1915)

Holcosus quadrilineatus (Hallowell, 1861)

INFRAORDER IGUANIA CUVIER, 1817 [5F/7G = 54 (52 + 2*)]

Family Anolidae Cocteau, 1836 [1G = 43 (41 + 2*)]

Anolis Daudin, 1802 [45 (43 + 2*)]

Anolis alocomyos (Köhler, Vargas & Lotzkat, 2014)

Anolis altae Dunn, 1930

Anolis aquaticus Taylor, 1956

Anolis arenal (Köhler & Vargas, 2019)

Anolis auratus Daudin, 1802

Anolis benedikti Lotzkat, Bientre, Hertz & Köhler, 2011

Anolis biporcatus (Wiegmann, 1834)

Anolis capito Peters, 1863

Anolis carpenteri Echelle, Echelle & Fitch, 1971

Anolis charlesmyersi Köhler, 2010

**Anolis cristatellus* Duméril & Bibron, 1837

Anolis cryptolimifrons Köhler & Sunyer, 2008

Anolis cupreus Hallowell, 1860

Anolis datzorum Köhler, Ponce, Sunyer & Batista, 2007

Anolis frenatus Cope, 1899

Anolis fungosus Myers, 1971

Anolis humilis Peters, 1863

Anolis ibanezi Poe, Latella, Ryan & Schaad, 2009

Anolis insignis Cope, 1871

Anolis kemptoni Dunn, 1940

Anolis laeviventris (Wiegmann, 1834)

Anolis leditzigorum (Köhler, Vargas & Lotzkat, 2014)

Anolis lemurinus Cope, 1861

Anolis limifrons Cope, 1862
Anolis marsupialis Taylor, 1956
Anolis microtus Cope, 1871
Anolis monteverde Köhler, 2009
Anolis osa Köhler, Dehling & Köhler, 2010
Anolis oxylophus Cope, 1875
Anolis pachypus Cope, 1875
Anolis pentaprion Cope, 1863
Anolis polylepis Peters, 1874
Anolis purpurescens Cope, 1899
Anolis riparius Chaves, Ryan, Bolaños, Márquez, Köhler & Poe, 2023
Anolis robinsoni Chaves, Ryan, Bolaños, Márquez, Köhler & Poe, 2023
**Anolis sagrei* Duméril & Bibron, 1837
Anolis salvini Boulenger, 1885
Anolis savagei Poe & Ryan, 2017
Anolis tenorioensis Köhler, 2011
Anolis townsendi Stejneger, 1900
Anolis tropidolepis Boulenger, 1885
Anolis unilobatus Köhler & Vessely, 2010
Anolis woodi Dunn, 1940

Family Corytophanidae Fitzinger, 1843 [2G = 4]

Basiliscus Laurenti, 1768 [3]
Basiliscus basiliscus (Linnaeus, 1758)
Basiliscus plumifrons Cope, 1875
Basiliscus vittatus Wiegmann, 1828
Corytophanes Boie, 1826 [1]
Corytophanes cristatus (Merrem, 1820)

Family Iguanidae Oppel, 1811 [2G = 3]

Ctenosaura Wiegmann, 1828 [2]

Ctenosaura quinquecarinata (Gray, 1842)

Ctenosaura similis (Gray, 1831)

Iguana Laurenti, 1768 [1]

Iguana iguana (Linnaeus, 1758)

Family Phrynosomatidae Fitzinger, 1843 [1G = 3]

Sceloporus Wiegmann, 1828 [3]

Sceloporus malachiticus Cope, 1864

Sceloporus squamosus Bocourt, 1874

Sceloporus variabilis Wiegmann, 1834

Family Polychrotidae Fitzinger, 1843 [1G = 1]

Polychrus Cuvier 1816 [1]

Polychrus gutturosus Berthold, 1845

INFRAORDER ANGUIMORPHA FÜRBRINGER, 1900 [2F/5G = 7]

Family Anguidae Gray, 1825 [2G = 2]

Abronia Gray, 1838 [1]

Abronia monticola (Cope, 1877)

Gerrhonotus Wiegmann, 1828 [1]

Gerrhonotus rhombifer Peters, 1876

Family Diploglossidae Bocourt, 1873 [3G = 5]

Diploglossus Wiegmann, 1834 [2]

Diploglossus monotropis (Kuhl, 1820)

Mesoamericus Schools & Hedges, 2021 [1]

Mesoamericus bilobatus (O'Shaughnessy, 1874)

Siderolamprus Cope, 1861 [3]

Siderolamprus cyanochloris (Cope, 1894)

Siderolamprus hylaius (Savage & Lips, 1993)

Siderolamprus orobius (Savage & Lips, 1993)

SERPENTES LINNAEUS, 1758 [12F/68G + 1*G= 147 (146 + 1*)]

INFRAORDER ALETHINOPHIDIA NOPCSA, 1923 [9F/63G =141]

Superfamily Booidea Gray, 1825 [2F/4G = 5]

Family Boidae Gray, 1825 [3G = 4]

Boa Linnaeus, 1758 [1]

Boa imperator Daudin, 1803

Corallus Daudin, 1803 [2]

Corallus annulatus (Cope, 1875)

Corallus ruschenbergerii (Cope, 1875)

Epicrates Wagler, 1830 [1]

Epicrates maurus Gray, 1849

Family Ungaliophiidae McDowell, 1987 [1G = 1]

Ungaliophis Müller, 1880 [1]

Ungaliophis panamensis Schmidt, 1933

Superfamily Colubroidea Oppel, 1811 [4F/47G = 110]

Family Colubridae Oppel, 1811 [18G = 41]

Chironius Fitzinger, 1826 [3]

Chironius exoletus (Linnaeus, 1758)

Chironius falvopictus (Werner, 1909)

Chironius grandisquamis (Peters, 1868)

Dendrophidion Fitzinger, 1843 [6]

Dendrophidion apharocybe Cadle, 2012

Dendrophidion clarkii Dunn, 1933

Dendrophidion crybelum Cadle, 2012

Dendrophidion paucicarinatum (Cope, 1894)

Dendrophidion percarinatum (Cope, 1893)

Dendrophidion rufiterminorum Cadle & Savage, 2012

Drymarchon Fitzinger, 1843 [1]

Drymarchon melanurus (Duméril, Bibron & Duméril, 1854)

Drymobius Fitzinger, 1843 [3]

Drymobius margaritiferus (Schlegel, 1837)

Drymobius melanotropis (Cope, 1875)
Drymobius rhombifer (Günther, 1860)
Lampropeltis Fitzinger, 1843 [2]
Lampropeltis abnormalis (Bocourt, 1886)
Lampropeltis micropholis Cope, 1860
Leptodrymus Amaral, 1927 [1]
Leptodrymus pulcherrimus (Cope, 1874)
Leptophis Bell, 1825 [5]
Leptophis depressirostris (Cope, 1861)
Leptophis mexicanus Duméril, Bibron & Duméril, 1854
Leptophis nebulosus Oliver, 1942
Leptophis occidentalis (Günther, 1859)
Leptophis riveti Despax, 1910
Masticophis Baird & Girard, 1853 [1]
Masticophis mentovarius (Duméril, Bibron & Duméril, 1854)
Mastigodryas Amaral, 1934 [1]
Mastigodryas melanolomus (Cope, 1868)
Oxybelis Wagler, 1830 [3]
Oxybelis brevirostris (Cope, 1861)
Oxybelis fulgidus (Daudin, 1803)
Oxybelis koehleri Jadin, Blair, Orlofske, Jowers, Rivas, Vitt, Ray, Smith & Murphy, 2020
Phrynonax Cope, 1862 [1]
Phrynonax poecilonotus (Günther, 1858)
Rhinobothryum Wagler, 1830 [1]
Rhinobothryum bovallii Andersson, 1916
Scolecophis Fitzinger, 1843 [1]
Scolecophis atrocinctus (Schlegel, 1837)
Senticolis Dowling & Fries, 1987 [1]
Senticolis triaspis (Cope, 1866)

Spilotes Wagler, 1830 [1]

Spilotes pullatus (Linnaeus, 1758)

Stenorrhina Duméril, 1853 [2]

Stenorrhina degenhardtii (Berthold, 1845)

Stenorrhina freminvillii Duméril, Bibron & Duméril, 1854

Tantilla Baird and Girard, 1853 [7]

Tantilla alticola (Boulenger, 1903)

Tantilla armillata Cope, 1875

Tantilla reticulata Cope, 1860

Tantilla ruficeps (Cope, 1894)

Tantilla schistosa (Bocourt, 1883)

Tantilla supracincta (Peters, 1863)

Tantilla vermiformis (Hallowell, 1861)

Trimorphodon Cope, 1861 [1]

Trimorphodon quadruplex Smith, 1941

Family Dipsadidae Bonaparte, 1840 [27G = 66]

Amastridium Cope, 1861 [1]

Amastridium veliferum Cope, 1861

Clelia Fitzinger, 1826 [2]

Clelia clelia (Daudin, 1803)

Clelia scytalina (Cope, 1867)

Coniophanes Hallowell, 1860 [3]

Coniophanes bipunctatus (Günther, 1858)

Coniophanes fissidens (Günther, 1858) (593)

Coniophanes piceivittis Cope, 1870

Conophis W. Peters, 1860 [1]

Conophis lineatus (Duméril, Bibron & Duméril, 1854)

Crisantophis Villa, 1971 [1]

Crisantophis nevermanni (Dunn, 1937)

Dipsas Laurenti, 1768 [3]

Dipsas articulata (Cope, 1868)

Dipsas bicolor (Günther, 1895)

Dipsas tenuissima Taylor, 1954

Enuliophis McCranie & Villa, 1993 [1]

Enuliophis sclateri (Boulenger, 1894)

Enulius Cope, 1871 [1]

Enulius flavitorques (Cope, 1869)

Erythrolamprus Wagler, 1830 [3]

Erythrolamprus bizona Jan, 1863

Erythrolamprus epinephalus (Cope, 1862)

Erythrolamprus mimus (Cope, 1868)

Geophis Wagler, 1830 [7]

Geophis brachycephalus (Cope, 1871)

Geophis downsi Savage, 1981

Geophis godmani Boulenger, 1894

Geophis hoffmanni (Peters, 1859)

Geophis ruthveni Werner, 1925

Geophis talamancae Lips & Savage, 1994

Geophis zeledoni Taylor, 1954

Hydromorphus Peters, 1859 [1]

Hydromorphus concolor Peters, 1859

Imantodes Duméril, 1853 [3]

Imantodes cenchoa (Linnaeus, 1758)

Imantodes gemmistratus Cope, 1861

Imantodes inornatus Boulenger, 1896

Leptodeira Fitzinger, 1843 [4]

Leptodeira nigrofasciata Günther, 1868

Leptodeira rhombifera Günther, 1872

Leptodeira rubricata (Cope, 1893) (612)
Leptodeira septentrionalis (Kennicott, 1859) aff. *ornata*
Ninia Baird & Girard, 1853 [4]
Ninia celata McCranie & Wilson, 1995
Ninia maculata (Peters, 1861)
Ninia psephota (Cope, 1875)
Ninia sebae (Duméril, Bibron & Duméril, 1854)
Nothopsis Cope, 1871 [1]
Nothopsis rugosus Cope, 1871
Oxyrhopus Wagler, 1830 [1]
Oxyrhopus petolarius (Linnaeus, 1758)
Pliocercus Cope, 1860 [1]
Pliocercus euryzonus Cope, 1862
Pseudoboa Schneider, 1801 [1]
Pseudoboa neuwiedii (Duméril, Bibron & Duméril, 1854)
Rhadinaea Cope, 1863 [3]
Rhadinaea calligaster (Cope, 1875)
Rhadinaea decorate (Günther, 1858)
Rhadinaea pulveriventris Boulenger, 1896
Rhadinella Smith, 1941 [2]
Rhadinella godmani (Günther, 1865)
Rhadinella serperaster Cope, 1871
Sibon Fitzinger, 1826 [7]
Sibon annulatus (Günther, 1872)
Sibon anthracops (Cope, 1868)
Sibon argus (Cope, 1875)
Sibon dimidiatus (Günther, 1872)
Sibon lamari Solórzano, 2001
Sibon longifrenis (Stejneger, 1909)

Sibon nebulatus (Linnaeus, 1758)

Siphlophis Fitzinger, 1843 [1]

Siphlophis compressus (Daudin, 1803)

Tretanorhinus Duméril, Bibron & Duméril, 1854 [1]

Tretanorhinus nigroluteus Cope, 1861

Trimetopon Cope, 1885 [6]

Trimetopon barbouri Dunn, 1930

Trimetopon gracile (Günther, 1872)

Trimetopon pliolepis Cope, 1894

Trimetopon simile Dunn, 1930

Trimetopon slevini Dunn, 1940

Trimetopon viquezi Dunn, 1937

Tropidodipsas Günther, 1858 [1]

Tropidodipsas sartorii Cope, 1863

Urotheca Bibron, 1843 [5]

Urotheca decipiens (Günther, 1893)

Urotheca fulviceps (Cope, 1886)

Urotheca guentheri (Dunn, 1938)

Urotheca myersi Savage & Lahanas, 1989

Urotheca pachyura (Cope, 1875)

Xenodon Boie, 1827 [1]

Xenodon angustirostris (Wied-Neuwied, 1824)

Family Natricidae Bonaparte, 1838 [1G = 2]

Thamnophis Fitzinger, 1843 [2]

Thamnophis marcianus (Baird & Girard, 1853)

Thamnophis proximus (Say, 1823)

Family Sibynophiidae Dunn, 1928 [1G = 1]

Scaphiodontophis Taylor & Smith, 1943 [1]

Scaphiodontophis venustissimus (Günther, 1894)

Family Elapidae Boie, 1827 [2G = 8]

Hydrophis Latreille, 1801 [1]

Hydrophis platurus (Linnaeus, 1766)

Micrurus Wagler, 1824 [7]

Micrurus alleni Schmidt, 1936

Micrurus clarki Schmidt, 1936

Micrurus mipartitus (Duméril, Bibron & Duméril, 1854)

Micrurus mosquitensis Schmidt, 1933

Micrurus multifasciatus Jan, 1858

Micrurus nigrocinctus (Girard, 1854)

Micrurus yatesi (Dunn, 1942)

Family Loxocemidae Cope, 1861 (1G = 1)

Loxocemus Cope, 1861 [1]

Loxocemus bicolor Cope, 1861

Family Viperidae Oppel, 1811 [9G = 17]

Agkistrodon Palisot de Beauvois, 1799 [1]

Agkistrodon howardgloydi (Conant, 1984)

Atropoides Werman, 1992 [1]

Atropoides picadoi (Dunn, 1939)

Bothriechis Peters, 1859 [5]

Bothriechis lateralis Peters, 1862

Bothriechis nigroadspersus (Steindachner, 1870)

Bothriechis nigroviridis Peters, 1859

Bothriechis nubestris Doan, Mason, Castoe, Sasa & Parkinson, 2016

Bothriechis supraciliaris (Taylor, 1954)

Bothrops Wagler, 1824 [1]

Bothrops asper (Garman, 1884)

Cerrophidion Campbell & Lamar, 1992 [1]

Cerrophidion sasai Jadin, Townsend, Castoe & Campbell, 2012

Crotalus Linnaeus, 1758 [1]

Crotalus simus Latrielle, 1801

Lachesis Daudin, 1803 [2]

Lachesis melanocephala Solórzano & Cerdas, 1986

Lachesis stenophrys Cope, 1875

Metlapilcoatlus Campbell, Frost & Castoe, 2019 [1]

Metlapilcoatlus mexicanus (Duméril, Bibron & Duméril, 1854)

Porthidium Cope, 1871 [4]

Porthidium nasutum (Bocourt, 1868)

Porthidium ophryomegas (Bocourt, 1868)

Porthidium porrasi Lamar & Sasa, 2003

Porthidium volcanicum Solórzano, 1994

INFRAORDER SCOLECOPHIDIA COPE, 1864 [3F, 5G + 1G* = 6 (5 + 1*)]

Family Anomalepididae Taylor, 1939 [3G = 3]

Anomalepis Jan, 1860 [1]

Anomalepis mexicana Jan, 1860

Helminthophis Peters, 1860 [1]

Helminthophis frontalis (Peters, 1860)

Liotyphlops Peters, 1857 [1]

Liotyphlops albirostris (Peters, 1857)

Family Leptotyphlopidae Stejneger, 1892 [1G = 1]

Epictia Gray, 1845 [1]

Epictia ater (Taylor, 1940)

Family Typhlopidae Merrem, 1820 [1G + 1G* = 2 (1 + 1*)]

Amerotyphlops Hedges, Marion, Marin & Vidal, 2014 [1]

Amerotyphlops costaricensis (Jiménez & Savage, 1963)

**Virgotyphlops* Daudin, 1803 [1]

**Virgotyphlops braminus* (Daudin, 1803)