

SUPPLEMENTARY MATERIAL No.2-2

Ecological functions of neotropical amphibians and reptiles: a review

Supplement 2. Predators of adult amphibians and reptiles documented in 117 reports.

Herpetofauna as prey		Stage of development	Predator		References
Family	Specie		Family	Specie	
Bufonidae	<i>Bufo sp.</i>	Adult	Colubridae	<i>Thamnodynastes strigatus</i>	Bernarde et al. (2000)
	<i>Peltophryne peltoccephala</i>	Adult	Colubridae	<i>Caraiba andreae</i>	Fong (2004)
	<i>Rhinella crucifer</i>	Adult	Belostomatidae	<i>Lethocerus grandis</i>	Haddad et al. (1997)
			Erythrinidae	<i>Hoplis cf. malabaricus</i>	
	<i>Rhinella granulosa</i>	Adult	Leptodactylidae	<i>Leptodactylus podicipinus</i>	Dallára et al. (2004)
	<i>Rhinella icterica</i>	Juvenile, adult	Procyonidae	<i>Procyon cancrivorus</i>	Guix (1993)
			Ctenidae	<i>Ancylometes rufus</i>	
			Ctenidae	<i>Ctenus amphora</i>	Menin et al. (2005)
			Ctenidae	<i>Ctenus villasboasi</i>	
			Theraphosidae	<i>Theraphosa blondi</i>	
<i>Rhinella proboscidea</i>	Adult	Colubridae	<i>Xenoxybelis argenteus</i>	Menin (2005)	
Cycloramphidae	<i>Cycloramphus boraceiensis</i>	Adult	Viperidae	<i>Bothrops jararaca</i>	Giaretta & Nunes (1997)
Dendrobatidae	<i>Dendrobates auratus</i>	Adult	Theraphosidae	<i>Sericopelma rubronitens</i>	Summers (1999)
			Momotidae	<i>Baryphthengus martii</i>	Master (1999)
Eleutherodactylidae	<i>Phyllobates terribilis</i>	Juvenile	Colubridae	<i>Liophis epinephelus</i>	Myers et al. (1978)
	<i>Eleutherodactylus coqui</i>	Adult	Buthidae	<i>Tityus obtusus</i>	Villanueva-Rivera et al. (2000)
	<i>Eleutherodactylus johnstonei</i>	Adult	Phyllodactylidae	<i>Thecadactylus rapicanda</i>	Henderson & Berg (2005)
Hylidae	<i>Eleutherodactylus sp.</i>	Adult	Cranidae	<i>Santinezia curvipes</i>	Villarreal et al. (2008)
	<i>Agalychnis callidryas</i>	Juvenile	Ranidae	<i>Lithobates vaillanti</i>	Vaughan (2003)
	<i>Agalychnis spurrelli</i>	Juvenile, Adult	Colubridae	<i>Leptodeira septentrionalis</i>	Ortega (2008)
	<i>Bokermannohyla circumdata</i>	Adult	Colubridae	<i>Chironius multiventris</i>	Duarte et al. (1999)
	<i>Bokermannohyla hylax</i>	Juvenile	Colubridae	<i>Xenodon newwiedii</i>	Da Silva & Rodrigues (2001)
	<i>Dendropsophus elegans</i>	Adult	Ctenidae	<i>Phonentria nigriventer</i>	Santana et al. (2009)
	<i>Dendropsophus minutus</i>	Juvenile	Pisauridae	<i>Dolomedes sp.</i>	Bastos et al. (1994)
			Belostomatidae	<i>Lethocerus delponteii</i>	
	<i>Dendropsophus sanborni</i>	Adult	Ctenidae	<i>Ancylometes sp.</i>	Bernarde et al. (1999)
			Lycosidae	<i>Diapontia cf. uruguayensis</i>	Delgrande & Moura (1997)
Belostomatidae			<i>Abedus sp.</i>	Pineda (2003)	
<i>Ecnomiophyla miotypanum</i>	Adult	Belostomatidae	<i>Abedus sp.</i>	Pineda (2003)	
<i>Hypsiboas albomarginatus</i>	Adult	Colubridae	<i>Liophis miliaris</i>	Sazima & Strüssmann (1990)	
<i>Hypsiboas crepitans</i>	Adult	Colubridae	<i>Helicops angulatus</i>	Da Silva et al. (2003a)	

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Family	Specie		Family	Specie	
Hylidae	<i>Hypsiboas lundii</i>	Adult	Cebidae	<i>Callibrix penicillata</i>	Canale & Lingnau (2003)
	<i>Osteocephalus taurinus</i>	Juvenile	Cuculidae	<i>Piaya cayana</i>	Cintra & Sanaïotti (1990)
			Thespididae	<i>Enumosoniasp.</i>	Costa-Pereira et al. (2010)
			Trechaleidae	<i>Neoctenus</i> sp.	
	<i>Scinax alter</i>	Adult	Ctenidae	<i>Ancylometes rufus</i>	Prado & Borgo (2003)
	<i>Scinax cruentommus</i>	Adult	Lycosidae		Aucone & Card (2002)
	<i>Scinax elaeochrous</i>	Adult	Colubridae	<i>Leptodeira septentrionalis</i>	Russell et al. (1999)
	<i>Scinax granulatus</i>	Adult	Hylidae	<i>Hypsiboas faber</i>	Solé et al. (2004)
	<i>Scinax nasicus</i>	Adult	Tyrannidae	<i>Pitangus sulphuratus</i>	Toledo et al. (2005)
			Trogonidae	<i>Trogon surrucura</i>	
	<i>Scinax x-signatus</i>	Adult	Belostomatidae	<i>Lebocerus annulipes</i>	Figueiredo et al. (2010)
			-	Felidae	<i>Leopardus pardalis</i>
<i>Trachycephalus typhonius</i>	Adult	Colubridae	<i>Liophis poecilogyrus</i>	Da Silva et al. (2003b)	
		Colubridae	<i>Leptophis abaetulla</i>	Albuquerque & Di-Bernardo (2005)	
Hylodidae	<i>Crossodactylus bokermanni</i>	Adult	Colubridae	<i>Thamnodynastes strigatus</i>	Kopp & Wachelevski (2005)
			Trichodactylidae	<i>Trichodactylus kensleyi</i>	
	<i>Crossodactylus schmidti</i>	Adult	Ctenidae	<i>Phonotria nigriventer</i>	Caldart et al. (2011)
			Viperidae	<i>Bothrops jararacussu</i>	
			Viperidae	<i>Bothropoides jararaca</i>	
Leiuperidae	<i>Engystomops pustulosus</i>	Adult	Pseudothelphusidae	<i>Potamocarcinus richmondi</i>	Tuttle & Ryan (1981)
			Leptodactylidae	<i>Leptodactylus pentadactylus</i>	
			Didelphidae	<i>Philander opossum</i>	
			Phyllostomidae	<i>Trachops cirrhosus</i>	
			Theraphosidae	<i>Sericopelma rubronitens</i>	Gray et al. (1999)
	<i>Eupemphix nattereri</i>	Adult	Leptodactylidae	<i>Leptodactylus labyrinthicus</i>	Vaz-Silva et al. (2003)
	<i>Physalaemus cavierei</i>	Adult	Colubridae	<i>Helicops modestus</i>	Caldeira et al. (2009)
	<i>Pleurodema bufoninum</i>	-	Lycosidae	<i>Trochosa albopunctata</i>	Jara & Perotti (2004)
<i>Pleurodema fuscomaculatum</i>	Adult	Cuculidae	<i>Gaira guira</i>	Kokubum & Zacca (2003)	
Leptodactylidae	<i>Leptodactylus bolivianus</i>	-	Felidae	<i>Leopardus pardalis</i>	Bisbal (1986)
	<i>Leptodactylus chaquensis</i>	Adult	Colubridae	<i>Mussurana bicolor</i>	Prado (2003)
			Ardeidae	<i>Tigrisoma lineatum</i>	
	<i>Leptodactylus fuscus</i>	Adult	Colubridae	<i>Lygophis meridionalis</i>	Kokubum & Giaretta (2002)
			Viperidae	<i>Bothrops atrox</i>	Macedo-Bernarde & Bernarde (2003)
	<i>Leptodactylus knudseni</i>	Adult	Theraphosidae	<i>Theraphosa blondi</i>	Boistel & Pauwels (2002)
	<i>Leptodactylus labyrinthicus</i>	Juvenile, adult	Belostomatidae	<i>Belostoma elongatum</i>	Toledo (2003)
	<i>Leptodactylus marmoratus</i>	Adult	Ctenidae	<i>Ctenus medius</i>	Barbo et al. (2009)
<i>Leptodactylus poecilochilus</i>	Adult	Teiidae	<i>Ameiva festiva</i>	Toral (2004)	

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Family	Specie		Family	Specie	
Microhylidae	<i>Dermatonotus muelleri</i>	Adult	Ceratophryidae	<i>Ceratophrys cranwelli</i>	Wild (2001)
Ranidae	<i>Lithobates vaillanti</i>	-	Crocodylidae	<i>Crocodylus moreletii</i>	Pérez-Higareda et al. (1989)
		Adult	Colubridae	<i>Leptodeira annulata</i>	Mora (1999)
Caeciliidae	<i>Caecilia orientalis</i>	-	Accipitridae	<i>Leucopternis princeps</i>	Greeney et al. (2008)
	<i>Caecilia</i> sp.	Adult	Viperidae	<i>Bothrops campbelli</i>	Zuffi (2004)
	<i>Oscaecilia zveifeli</i>	-	Theraphosidae	<i>Theraphosa blondi</i>	Boistel & Pauwels (2002)
	<i>Siphonops hardyi</i>	Juvenile	Chelidae	<i>Hydromedusa maximiliani</i>	Zamprogno & Zamprogno (1998)
Plethodontidae	<i>Bolitoglossa altamazonica</i>	-	Colubridae	<i>Liophis reginae</i>	Michaud & Dixon (1989)
	<i>Bolitoglossa guarumacalensis</i>	Adult	Colubridae	<i>Liophis reginae</i>	Esqueda et al. (2009)
	<i>Bolitoglossa rufescens</i>	Adult	Mantidae	<i>Choeradodis strumaria</i>	Buttenhoff (1995)
Amphisbaenidae	<i>Amphisbaena dubia</i>	-			
	<i>Amphisbaena microcephalum</i>	-	Elapidae	<i>Micrurus corallinus</i>	Marques & Sazima (1997)
	<i>Amphisbaena</i> sp.	-			
	<i>Amphisbaena mertensii</i>	Adult	Colubridae	<i>Taeniophallus affinis</i>	Barbo & Marques (2003)
	<i>Amphisbaena vermicularis</i>	Adult	Leptodactylidae	<i>Leptodactylus labyrinthicus</i>	Vaz-Silva et al. (2003)
Anguidae	<i>Ophiodes</i> sp.	-	Elapidae	<i>Micrurus corallinus</i>	Marques & Sazima (1997)
		-	Colubridae	<i>Oxyrhopus rhombifer</i>	Maschio et al. (2003)
	<i>Ophiodes striatus</i>	-	Colubridae	<i>Siphlophis pulcher</i>	Prudente et al. (1998)
Gymnophthalmidae	<i>Iphisa elegans</i>	-	Colubridae	<i>Siphlophis worontzovi</i>	Prudente et al. (1998)
	<i>Micrablepharus atticolus</i>	-	Lycosidae	<i>Lycosa erythrognatha</i>	Maffei et al. (2010)
	<i>Pantodactylus</i> sp.	-	Elapidae	<i>Micrurus corallinus</i>	Marques & Sazima (1997)
	<i>Placosoma</i> sp.	-	Colubridae	<i>Siphlophis pulcher</i>	Prudente et al. (1998)
	<i>Riama unicolor</i>	-	Colubridae	<i>Saphenophis boursieri</i>	Cisneros-Heredia (2005)
Iguanidae	<i>Iguana iguana</i>	-	Felidae	<i>Puma yagouaroundi</i>	Bisbal (1986)
		-	Crocodylidae	<i>Crocodylus moreletii</i>	Pérez-Higareda et al. (1989)
		-	Felidae	<i>Leopardus pardalis</i>	
		-	Felidae	<i>Puma concolor</i>	Chinchilla (1997)
		-	Felidae	<i>Panthera onca</i>	
	<i>Ctenosaura similis</i>	-	Crocodylidae	<i>Crocodylus moreletii</i>	Pérez-Higareda et al. (1989)
Leiosauridae	<i>Enyalius</i> sp.	-	Colubridae	<i>Siphlophis longicaudatus</i>	Prudente et al. (1998)
Phrynosomatidae	<i>Sceloporus siniferus</i>	-	Viperidae	<i>Porthidium dunnii</i>	Correa-Sanchez et al. (2001)
Polychrotidae	<i>Anolis chlorocyanus</i>	-	Colubridae	<i>Uromacer catesbyi</i> , <i>Uromacer frenatus</i> , <i>Uromacer oxyrhynchus</i>	Henderson et al. (1987)
	<i>Anolis cybotes</i>	-			
	<i>Anolis distichus</i>	-			
	<i>Anolis olsoni</i>	-			
	<i>Anolis fuscauratus</i>	Juvenile			
	<i>Anolis richardii</i>	-	Accipitridae	<i>Buteo platypterus</i>	Wunderle (1981)

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Family	Specie		Family	Specie	
Scincidae	<i>Aspronema dorsivittata</i>	-	Leptodactylidae	<i>Leptodactylus ocellatus</i>	Kokubum & Pereira (2004)
		-	Felidae	<i>Panthera onca</i>	Emmons (1989)
		-	Elapidae	<i>Micrurus corallinus</i>	Marques & Sazima (1997)
		-	Colubridae	<i>Siphlophis cervinus</i>	Prudente et al. (1998)
		-		<i>Siphlophis pulcher</i>	
Sphaerodactylidae	<i>Gonatodes sp.</i>	-	Colubridae	<i>Siphlophis cervinus</i>	Prudente et al. (1998)
Teiidae	<i>Ameiva ameiva</i>	-	Mustelidae	<i>Galictis vittata</i>	Bisbal (1986)
		-	Felidae	<i>Puma yagouaroundi</i>	
		-	Leptodactylidae	<i>Leptodactylus labyrinthicus</i>	Vaz-Silva et al. (2003)
	<i>Ameiva chrysolema</i>	-	Colubridae	<i>Uromacer frenatus</i>	Henderson et al. (1987)
	<i>Kentropyx sp.</i>	-	Felidae	<i>Puma yagouaroundi</i>	Bisbal (1986)
	<i>Tupinambis merianae</i>	-	Felidae	<i>Panthera onca</i>	Garla et al. (2001)
Tropiduridae	<i>Tropidurus sp.</i>	-	Colubridae	<i>Siphlophis cervinus</i>	Prudente et al. (1998)
Boidae	<i>Eunectes murinus</i>	Adult	Alligatoridae	<i>Caiman crocodilus</i>	Rivas et al. (1999)
Colubridae	<i>Alsophis antillensis</i>	-	Leptodactylidae	<i>Leptodactylus fallax</i>	Buley (2003)
	<i>Chironius bicarinatus</i>	-	Viperidae	<i>Bothrops jararacussu</i>	Marques et al. (2004)
	<i>Chironius sp.</i>	-	Felidae	<i>Leopardus pardalis</i>	Bisbal (1986)
	<i>Helicops modestus</i>	-	Mimidae	<i>Mimus saturninus</i>	Sazima (2007)
	<i>Xenodon nattereri</i>	-	Accipitridae	<i>Buteo albicandatus</i>	Brasileiro et al. (2003)
Chelidae	<i>Platemys platycephala</i>	-	Felidae	<i>Panthera onca</i>	Emmons (1989)
Cheloniidae	<i>Chelonia mydas</i>	Adult	Felidae	<i>Panthera onca</i>	Autar (1994), Troëng (2000), Veríssimo et al. (2012)
	<i>Lepidochelys olivacea</i>	Adult	Crocodylidae	<i>Crocodylus acutus</i>	Ortiz et al. (1997)
		-	Felidae	<i>Panthera onca</i>	Chinchilla (1997)
Dermochelyidae	<i>Dermochelys coriacea</i>	Adult	Felidae	<i>Panthera onca</i>	Autar (1994), Troëng (2000), Veríssimo et al. (2012)
Emydidae	<i>Trachemys scripta</i>	-	Crocodylidae	<i>Crocodylus moreletii</i>	Pérez-Higareda et al. (1989)
Kinosternidae	<i>Kinosternon leucostomum</i>	-	Crocodylidae	<i>Crocodylus moreletii</i>	Pérez-Higareda et al. (1989)
Podocnemididae	<i>Podocnemis unifilis</i>	-	Felidae	<i>Panthera onca</i>	Emmons (1989)
Testudinidae	<i>Chelonoidis denticulata</i>	-	Felidae	<i>Panthera onca</i>	Emmons (1989), Garla et al. (2001)
Alligatoridae	<i>Caiman sp.</i>	-	Felidae	<i>Panthera onca</i>	Emmons (1989)

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