

Short Note

Diet evolution in litter frogs: reassessing the Toft's hypotheses

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Supplementary material

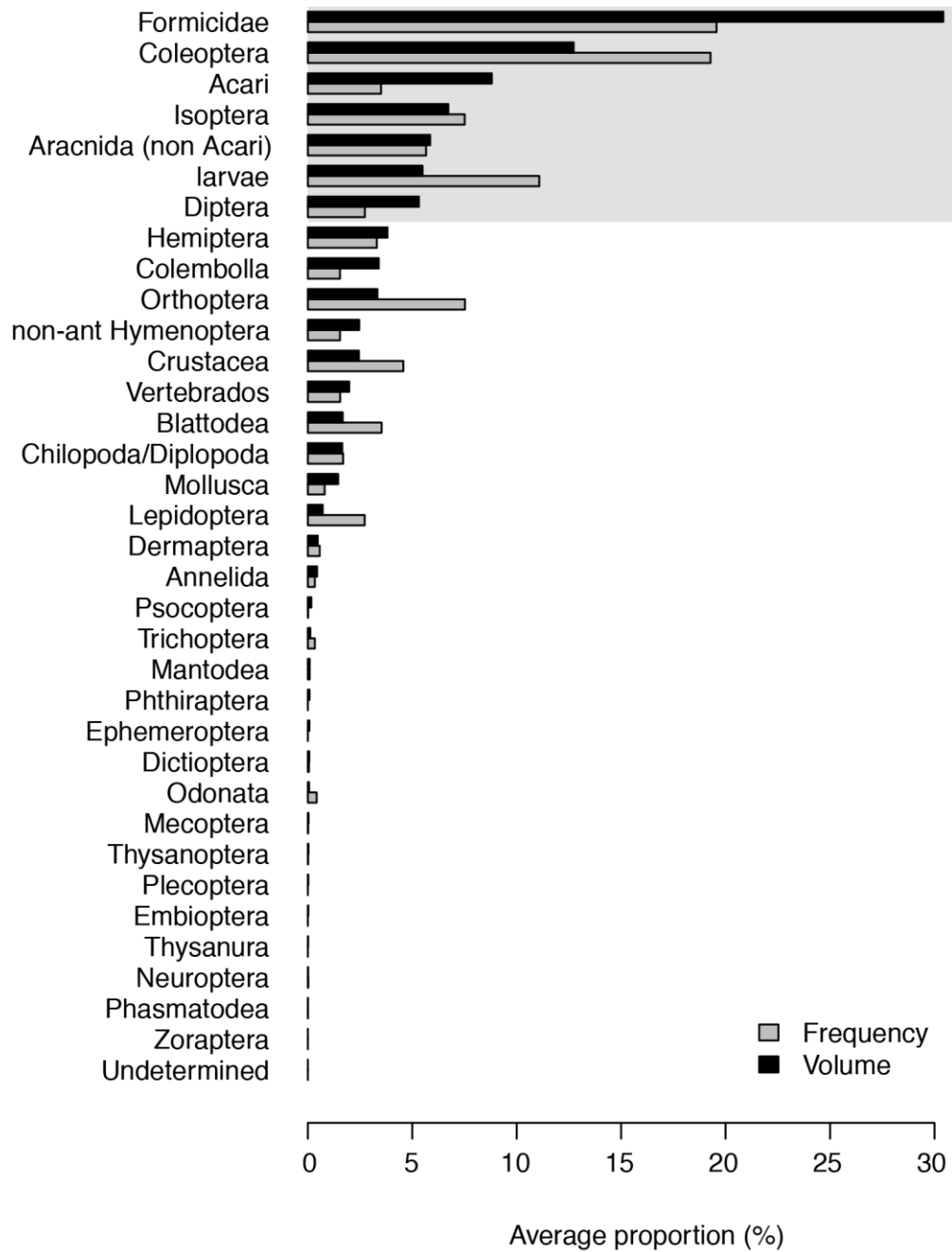


Figure S1. Average frequency of different food items in the diet of terrestrial frogs according to their frequency (gray) and volume (black). Items encompassed by the square had average frequency above 5% and were retained for further analyses.

Table S1. List of references used in the compilation of the dataset used in the present study.

Species	Diet	SVL
<i>Anaxyrus debilis</i>	Smith, G. R., Lemos-Espinal, J. A., Burner, A. B., Winter, K. E., & Dayer, C. B. (2011). Diets of three species of bufonids (Amphibia, Anura) from northern Mexico. <i>Western North American Naturalist</i> , 71(4), 563-569.	Smith, G. R., Lemos-Espinal, J. A., Burner, A. B., Winter, K. E., & Dayer, C. B. (2011). Diets of three species of bufonids (Amphibia, Anura) from northern Mexico. <i>Western North American Naturalist</i> , 71(4), 563-569.
<i>Anaxyrus punctatus</i>	Smith, G. R., Lemos-Espinal, J. A., Burner, A. B., Winter, K. E., & Dayer, C. B. (2011). Diets of three species of bufonids (Amphibia, Anura) from northern Mexico. <i>Western North American Naturalist</i> , 71(4), 563-569.	Smith, G. R., Lemos-Espinal, J. A., Burner, A. B., Winter, K. E., & Dayer, C. B. (2011). Diets of three species of bufonids (Amphibia, Anura) from northern Mexico. <i>Western North American Naturalist</i> , 71(4), 563-569.
<i>Adenomera marmorata</i>	Santos-Pereira, M., Almeida-Santos, M., Oliveira, F. B., Silva, A. L., & Rocha, C. F. D. (2015). Living in a same microhabitat should means eating the same food? Diet and trophic niche of sympatric leaf-litter frogs <i>Ischnocnema henselii</i> and <i>Adenomera marmorata</i> in a forest of Southern Brazil. <i>Brazilian Journal of Biology</i> , 75(1), 13-18.	Santos-Pereira, M., Almeida-Santos, M., Oliveira, F. B., Silva, A. L., & Rocha, C. F. D. (2015). Living in a same microhabitat should means eating the same food? Diet and trophic niche of sympatric leaf-litter frogs <i>Ischnocnema henselii</i> and <i>Adenomera marmorata</i> in a forest of Southern Brazil. <i>Brazilian Journal of Biology</i> , 75(1), 13-18.
<i>Adenomera andreae</i>	Caldwell, J. P., & Vitt, L. J. (1999). Dietary asymmetry in leaf litter frogs and lizards in a transitional northern Amazonian rain forest. <i>Oikos</i> , 383-397.	Caldwell, J. P., & Vitt, L. J. (1999). Dietary asymmetry in leaf litter frogs and lizards in a transitional northern Amazonian rain forest. <i>Oikos</i> , 383-397.
<i>Adenomera thomei</i>	Rebouças, R., & Solé, M. (2015). Diet of <i>Adenomera thomei</i> (Almeida and Angulo, 2006)(Anura: Leptodactylidae) from a rubber tree plantation in southern Bahia, Brazil. <i>Studies on Neotropical Fauna and Environment</i> , 50(2), 73-79.	Rebouças, R., & Solé, M. (2015). Diet of <i>Adenomera thomei</i> (Almeida and Angulo, 2006) (Anura: Leptodactylidae) from a rubber tree plantation in southern Bahia, Brazil. <i>Studies on Neotropical Fauna and Environment</i> , 50(2), 73-79.

<i>Allobates juanii</i>	Astwood-Romero, J. A., Álvarez-Perdomo, N., Parra-Torres, M. F., Rojas-Peña, J. I., Nieto-Vera, M. T., & Ardila-Robayo, M. C. (2016). Stomach contents in anurans species from Natural Reserves in the Villavicencio municipality, Meta, Colombia. <i>Caldasia</i> , 38(1), 165-181.	Grant, T., & Rodríguez, L. O. (2001). Two new species of frogs of the genus <i>Colostethus</i> (Dendrobatidae) from Peru and a redescription of <i>C. trilineatus</i> . <i>American Museum Novitates</i> , 1-24.
<i>Allobates cepedai</i>	Astwood-Romero, J. A., Álvarez-Perdomo, N., Parra-Torres, M. F., Rojas-Peña, J. I., Nieto-Vera, M. T., & Ardila-Robayo, M. C. (2016). Stomach contents in anurans species from Natural Reserves in the Villavicencio municipality, Meta, Colombia. <i>Caldasia</i> , 38(1), 165-181.	We did not find the SVL for this species, so in this particular case we used the genus mean.
<i>Ameerega flavopictus</i>	Biavati, G. M., Wiederhecker, H. C., & Colli, G. R. (2004). Diet of <i>Epipedobates flavopictus</i> (Anura: Dendrobatidae) in a Neotropical savanna. <i>Journal of Herpetology</i> , 38(4), 510-518.	Toledo, L. F., Guimarães, L. D. A., Lima, L. P., Bastos, R. P., & Haddad, C. F. B. (2004). Notes on courtship, egg-laying site, and defensive behavior of <i>Epipedobates flavopictus</i> (Anura, Dendrobatidae) from two mountain ranges of central and southeastern Brazil. <i>Phyllomedusa</i> , 3(2), 145-147.
<i>Ameerega trivittata</i>	Luiz, L. F., Contrera, F. A. L., & Neckel-Oliveira, S. (2015). Diet and tadpole transportation in the poison dart frog <i>Ameerega trivittata</i> (Anura, Dendrobatidae). <i>The Herpetological Journal</i> , 25(3), 187-190.	Luiz, L. F., Contrera, F. A. L., & Neckel-Oliveira, S. (2015). Diet and tadpole transportation in the poison dart frog <i>Ameerega trivittata</i> (Anura, Dendrobatidae). <i>The Herpetological Journal</i> , 25(3), 187-190.
<i>Amietophrynus xeros</i>	Sulieman, Y., Pongsakul, T., & Afifi, A. (2016). DIET COMPOSITION OF THE SUBDESERT TOAD, <i>AMIETOPHRYNUS XEROS</i> (ANURA: BUFONIDAE) IN SUDAN, NORTH AFRICA.	Sulieman, Y., Pongsakul, T., & Afifi, A. (2016). DIET COMPOSITION OF THE SUBDESERT TOAD, <i>AMIETOPHRYNUS XEROS</i> (ANURA: BUFONIDAE) IN SUDAN, NORTH AFRICA.

	Herpetological Conservation and Biology, 11(2), 350-354.	Herpetological Conservation and Biology, 11(2), 350-354.
<i>Andinobates virolinensis</i>	Valderrama-Vernaza, M., Ramírez-Pinilla, M. P., & Serrano-Cardozo, V. H. (2009). Diet of the Andean frog <i>Ranitomeya virolinensis</i> (Athesphatanura: dendrobatidae). <i>Journal of Herpetology</i> , 43(1), 114-123.	Valderrama-Vernaza, M., Ramírez-Pinilla, M. P., & Serrano-Cardozo, V. H. (2009). Diet of the Andean frog <i>Ranitomeya virolinensis</i> (Athesphatanura: dendrobatidae). <i>Journal of Herpetology</i> , 43(1), 114-123.
<i>Andinobates minutus</i>	Agudelo-Cantero, G. A., Castaño-Valencia, R. S., Castro-Herrera, F., Fierro-Pérez, L., & Asencio-Santofimio, H. (2015). Diet of the blue-bellied poison frog <i>Andinobates minutus</i> (Anura: Dendrobatidae) in two populations from the Colombian Pacific. <i>Journal of Herpetology</i> , 49(3), 452-461.	Agudelo-Cantero, G. A., Castaño-Valencia, R. S., Castro-Herrera, F., Fierro-Pérez, L., & Asencio-Santofimio, H. (2015). Diet of the blue-bellied poison frog <i>Andinobates minutus</i> (Anura: Dendrobatidae) in two populations from the Colombian Pacific. <i>Journal of Herpetology</i> , 49(3), 452-461.
<i>Anomaloglossus stepheni</i>	Sabagh, L. T., Mello, R. D. S., & Rocha, C. F. D. (2012). Food niche overlap between two sympatric leaf-litter frog species from Central Amazonia. <i>Zoologia (Curitiba)</i> , 29(1), 95-98.	Sabagh, L. T., Mello, R. D. S., & Rocha, C. F. D. (2012). Food niche overlap between two sympatric leaf-litter frog species from Central Amazonia. <i>Zoologia (Curitiba)</i> , 29(1), 95-98.
<i>Aromobates alboguttatus</i>	Bonilla, J. P., & LaMarca, E. (1996). Feeding habits of <i>Nephelobates alboguttatus</i> (Anura: Dendrobatidae) in a Andean cloud forest from Venezuela. <i>REVISTA DE BIOLOGIA TROPICAL</i> , 44(2 B), 827-833.	Bonilla, J. P., & LaMarca, E. (1996). Feeding habits of <i>Nephelobates alboguttatus</i> (Anura: Dendrobatidae) in a Andean cloud forest from Venezuela. <i>REVISTA DE BIOLOGIA TROPICAL</i> , 44(2 B), 827-833.
<i>Arthroleptis xenodactyloides</i>	Blackburn, D. C., & Moreau, C. S. (2006). Ontogenetic diet change in the arthroleptid frog <i>Schoutedenella xenodactyloides</i> . <i>Journal of Herpetology</i> , 40(3), 388-394.	Blackburn, D. C., & Moreau, C. S. (2006). Ontogenetic diet change in the arthroleptid frog <i>Schoutedenella xenodactyloides</i> . <i>Journal of Herpetology</i> , 40(3), 388-394.
<i>Brachycephalus pitanga</i>	Oliveira, E. G., & Haddad, C. F. B. (2015). Diet Seasonality and Feeding Preferences of <i>Brachycephalus pitanga</i> (Anura:	Oliveira, E. G., & Haddad, C. F. B. (2015). Diet Seasonality and Feeding Preferences of <i>Brachycephalus pitanga</i> (Anura:

	Brachycephalidae). Journal of Herpetology, 49(2): 250-256.	Brachycephalidae). Journal of Herpetology, 49(2): 250-256.
<i>Brachycephalus didactylus</i>	Almeida-Santos, M., Siqueira, C. C., Van Sluys, M., & Rocha, C. F. D. (2011). Ecology of the Brazilian flea frog <i>Brachycephalus didactylus</i> (Terrarana: Brachycephalidae). Journal of Herpetology, 45(2), 251-255.	Almeida-Santos, M., Siqueira, C. C., Van Sluys, M., & Rocha, C. F. D. (2011). Ecology of the Brazilian flea frog <i>Brachycephalus didactylus</i> (Terrarana: Brachycephalidae). Journal of Herpetology, 45(2), 251-255.
<i>Brachycephalus garbeanus</i>	Dorigo, T. A., Siqueira, C. C., Vrcibradic, D., Maia-Carneiro, T., Almeida-Santos, M., & Rocha, C. F. (2012). Ecological aspects of the pumpkin toadlet, <i>Brachycephalus garbeanus</i> Miranda-Ribeiro, 1920 (Anura: Neobatrachia: Brachycephalidae), in a highland forest of southeastern Brazil. Journal of Natural History, 46(39-40), 2497-2507.	Dorigo, T. A., Siqueira, C. C., Vrcibradic, D., Maia-Carneiro, T., Almeida-Santos, M., & Rocha, C. F. (2012). Ecological aspects of the pumpkin toadlet, <i>Brachycephalus garbeanus</i> Miranda-Ribeiro, 1920 (Anura: Neobatrachia: Brachycephalidae), in a highland forest of southeastern Brazil. Journal of Natural History, 46(39-40), 2497-2507.
<i>Brachycephalus brunneus</i>	Fontoura, P. L., Ribeiro, L. F., & Pie, M. R. (2011). Diet of <i>Brachycephalus brunneus</i> (Anura: Brachycephalidae): in the Atlantic Rainforest of Paraná, southern Brazil. Zoologia (Curitiba), 28(5), 687-689.	Fontoura, P. L., Ribeiro, L. F., & Pie, M. R. (2011). Diet of <i>Brachycephalus brunneus</i> (Anura: Brachycephalidae): in the Atlantic Rainforest of Paraná, southern Brazil. Zoologia (Curitiba), 28(5), 687-689.
<i>Bufo japonicus</i>	Hirai, T., & Matsui, M. (2002). Feeding ecology of <i>Bufo japonicus formosus</i> from the montane region of Kyoto, Japan. Journal of herpetology, 36(4), 719-723.	Hirai, T., & Matsui, M. (2002). Feeding ecology of <i>Bufo japonicus formosus</i> from the montane region of Kyoto, Japan. Journal of herpetology, 36(4), 719-723.
<i>Bufo bufo</i>	Crnobrnja-Isailović, J., Čurčić, S., Stojadinović, D., Tomašević-Kolarov, N., Aleksić, I., & Tomanović, Ž. (2012). Diet composition and food preferences in adult common toads (<i>Bufo bufo</i>)(Amphibia: Anura: Bufonidae). Journal of Herpetology, 46(4), 562-567.	Hettyey, A., Vagi, B., Hevizi, G., & Török, J. (2009). Changes in sperm stores, ejaculate size, fertilization success, and sexual motivation over repeated matings in the common toad, <i>Bufo bufo</i> (Anura: Bufonidae). Biological Journal of the Linnean Society, 96(2), 361-371.

<i>Bufo gargarizans</i>	Yu, T. L., Gu, Y. S., Du, J., & Lu, X. (2009). Seasonal variation and ontogenetic change in the diet of a population of <i>Bufo gargarizans</i> from the farmland, Sichuan, China. <i>Biharean Biologist</i> , 3(2), 99-104.	Yu, T. L., Gu, Y. S., Du, J., & Lu, X. (2009). Seasonal variation and ontogenetic change in the diet of a population of <i>Bufo gargarizans</i> from the farmland, Sichuan, China. <i>Biharean Biologist</i> , 3(2), 99-104.
<i>Bufo viridis</i>	Covaciu-Marcov, S. D., Ferenti, S., Cicort-Lucaciu, A. S., & Kovács, I. (2012). Terrestrial isopods in the diet of two amphibian species (<i>Epidalea viridis</i> and <i>Pelobates syriacus</i>) from Dobruja, Romania. <i>Entomol. Rom</i> , 17, 5-11.	RADOVANOVIĆ, T. B., NASIA, M., KRIZMANIĆ, I. I., PROKIĆ, M. D., GAVRIĆ, J. P., DESPOTOVIĆ, S. G., ... & SAIČIĆ, Z. S. (2017). SUBLETHAL EFFECTS OF THE PYRETHROID INSECTICIDE DELTAMETHRIN ON OXIDATIVE STRESS PARAMETERS IN GREEN TOAD (<i>BUFOTES VIRIDIS</i> L.). <i>Environmental Toxicology and Chemistry</i> .
<i>Ceratophrys joazeirensis</i>	da Silva Jorge, J., Sales, R. F. D., de Carvalho Kokubum, M. N., & Freire, E. M. X. (2015). On the natural history of the Caatinga Horned Frog, <i>Ceratophrys joazeirensis</i> (Anura: Ceratophryidae), a poorly known species of northeastern Brazil. <i>Phyllomedusa: Journal of Herpetology</i> , 14(2), 147-156.	da Silva Jorge, J., Sales, R. F. D., de Carvalho Kokubum, M. N., & Freire, E. M. X. (2015). On the natural history of the Caatinga Horned Frog, <i>Ceratophrys joazeirensis</i> (Anura: Ceratophryidae), a poorly known species of northeastern Brazil. <i>Phyllomedusa: Journal of Herpetology</i> , 14(2), 147-156.
<i>Ceratophrys aurita</i>	Schalk, C. M., Montaña, C. G., Klemish, J. L., & Wild, E. R. (2014). On the diet of the frogs of the Ceratophryidae: Synopsis and new contributions. <i>South American Journal of Herpetology</i> , 9(2), 90-105.	Schalk, C. M., Montaña, C. G., Klemish, J. L., & Wild, E. R. (2014). On the diet of the frogs of the Ceratophryidae: Synopsis and new contributions. <i>South American Journal of Herpetology</i> , 9(2), 90-105.
<i>Ceratophrys calcarata</i>	Schalk, C. M., Montaña, C. G., Klemish, J. L., & Wild, E. R. (2014). On the diet of the frogs of the Ceratophryidae: Synopsis and new contributions. <i>South American</i>	Schalk, C. M., Montaña, C. G., Klemish, J. L., & Wild, E. R. (2014). On the diet of the frogs of the Ceratophryidae: Synopsis and new contributions. <i>South American</i>

	Journal of Herpetology, 9(2), 90-105.	Journal of Herpetology, 9(2), 90-105.
<i>Ceratophrys cranwelli</i>	Schalk, C. M., Montaña, C. G., Klemish, J. L., & Wild, E. R. (2014). On the diet of the frogs of the Ceratophryidae: Synopsis and new contributions. South American Journal of Herpetology, 9(2), 90-105.	Schalk, C. M., Montaña, C. G., Klemish, J. L., & Wild, E. R. (2014). On the diet of the frogs of the Ceratophryidae: Synopsis and new contributions. South American Journal of Herpetology, 9(2), 90-105.
<i>Ceratophrys ornata</i>	Schalk, C. M., Montaña, C. G., Klemish, J. L., & Wild, E. R. (2014). On the diet of the frogs of the Ceratophryidae: Synopsis and new contributions. South American Journal of Herpetology, 9(2), 90-105.	Schalk, C. M., Montaña, C. G., Klemish, J. L., & Wild, E. R. (2014). On the diet of the frogs of the Ceratophryidae: Synopsis and new contributions. South American Journal of Herpetology, 9(2), 90-105.
<i>Crinia signifera</i>	Pengilley, R. K. (1971). The food of some Australian anurans (Amphibia). Journal of Zoology, 163(1), 93-103.	Pengilley, R. K. (1971). The food of some Australian anurans (Amphibia). Journal of Zoology, 163(1), 93-103.
<i>Crossodactylus gaudichaudii</i>	Almeida-Gomes, M., Hatano, F. H., Van Sluys, M., & Rocha, C. F. (2007). Diet and microhabitat use by two Hylodinae species (Anura, Cycloramphidae) living in sympatry and syntopy in a Brazilian Atlantic Rainforest area. Iheringia. Série Zoologia, 97(1), 27-30.	Dorigo, T. A., Vrcibradic, D., & Borges-Junior, V. N. T. (2014). New records of anuran predation by snakes of the genus <i>Thamnodynastes</i> Wagler, 1830 (Colubridae: Dipsadinae) in the Atlantic rainforest of southeastern Brazil. Herpetol Notes, 7, 261-264.
<i>Crossodactylus trachystomus</i>	Wachlevski, M., De Souza, P. H., Kopp, K., & Eterovick, P. C. (2008). Microhabitat use and feeding habits of <i>Crossodactylus bokermanni</i> Caramaschi and Sazima, 1985 (Anura, Hylodidae) at a site in south-eastern Brazil. Journal of Natural History, 42(19-20), 1421-1434.	Wachlevski, M., De Souza, P. H., Kopp, K., & Eterovick, P. C. (2008). Microhabitat use and feeding habits of <i>Crossodactylus bokermanni</i> Caramaschi and Sazima, 1985 (Anura, Hylodidae) at a site in south-eastern Brazil. Journal of Natural History, 42(19-20), 1421-1434.
<i>Crossodactylus schmidti</i>	Caldart, V. M., Iop, S., Bertaso, T. R. N., & Cechin, S. Z. (2012). Feeding Ecology of <i>Crossodactylus schmidti</i> (Anura: Hylodidae) in	Caldart, V. M., Iop, S., Bertaso, T. R. N., & Cechin, S. Z. (2012). Feeding Ecology of <i>Crossodactylus schmidti</i> (Anura: Hylodidae) in

	Southern Brazil. Zoological Studies, 51(4), 484-493.	Southern Brazil. Zoological Studies, 51(4), 484-493.
<i>Dendrobates pumilio</i>	Donnelly, M. A. (1991). Feeding patterns of the strawberry poison frog, <i>Dendrobates pumilio</i> (Anura: Dendrobatidae). <i>Copeia</i> , 723-730.	Donnelly, M. A. (1991). Feeding patterns of the strawberry poison frog, <i>Dendrobates pumilio</i> (Anura: Dendrobatidae). <i>Copeia</i> , 723-730.
<i>Dendropsophus brunneri</i>	Castro, I. M., Reboucas, R., & Sole, M. (2016). Diet of <i>Dendropsophus brunneri</i> (Cochran, 1948)(Anura: Hylidae) from a cocoa plantation in southern Bahia, Brazil. <i>North-Western Journal of Zoology</i> , 12(1), 159-165.	Castro, I. M., Reboucas, R., & Sole, M. (2016). Diet of <i>Dendropsophus brunneri</i> (Cochran, 1948)(Anura: Hylidae) from a cocoa plantation in southern Bahia, Brazil. <i>North-Western Journal of Zoology</i> , 12(1), 159-165.
<i>Discoglossus pictus</i>	Hassine, B., & Nouira, S. (2009). Diet of <i>Discoglossus pictus</i> Otth 1837 (Anura, Alytidae) and <i>Pelophylax saharicus</i> (Boulenger in Hartert, 1913) in the oases of Kettana (Gabes, Tunisia). <i>B. Bull. Soc. zool. Fr</i> , 134(3-4), 321-332.	Brunet, P., Sanuy, D., Oromí, N., Hammou, M. A., & Dahmani, W. (2009). Anuran studies from Tiaret region, north-west Algeria. <i>Boletín de la Asociación Herpetológica Española</i> , 20, 68-72.
<i>Dryophytes versicolor</i>	Mahan, R. D., & Johnson, J. R. (2007). Diet of the gray treefrog (<i>Hyla versicolor</i>) in relation to foraging site location. <i>Journal of Herpetology</i> , 41(1), 16-23.	Mahan, R. D., & Johnson, J. R. (2007). Diet of the gray treefrog (<i>Hyla versicolor</i>) in relation to foraging site location. <i>Journal of Herpetology</i> , 41(1), 16-23.
<i>Duttaphrynus melanostictus</i>	Döring, B., Mecke, S., Kieckbusch, M., O'Shea, M., & Kaiser, H. (2017). Food spectrum analysis of the Asian toad, <i>Duttaphrynus melanostictus</i> (Schneider, 1799)(Anura: Bufonidae), from Timor Island, Wallacea. <i>Journal of Natural History</i> , 51(11-12), 607-623.	Döring, B., Mecke, S., Kieckbusch, M., O'Shea, M., & Kaiser, H. (2017). Food spectrum analysis of the Asian toad, <i>Duttaphrynus melanostictus</i> (Schneider, 1799)(Anura: Bufonidae), from Timor Island, Wallacea. <i>Journal of Natural History</i> , 51(11-12), 607-623.
<i>Elachistocleis bicolor</i>	Berazategui, M., Camargo, A., & Maneyro, R. (2007). Environmental and seasonal variation in the diet of <i>Elachistocleis bicolor</i> (Guérin-Méneville 1838)(Anura: Microhylidae) from northern	Rodrigues, D. D. J., Lopes, F. S., & Uetanabaro, M. (2003). Reproductive pattern of <i>Elachistocleis bicolor</i> (Anura, Microhylidae) at Serra da Bodoquena, Mato Grosso do Sul,

	Uruguay. Zoological Science, 24(3), 225-231.	Brazil. Iheringia. Série Zoologia, 93(4), 365-371.
<i>Elachistocleis ovalis</i>	Caldwell, J. P., & Vitt, L. J. (1999). Dietary asymmetry in leaf litter frogs and lizards in a transitional northern Amazonian rain forest. <i>Oikos</i> , 383-397.	Caldwell, J. P., & Vitt, L. J. (1999). Dietary asymmetry in leaf litter frogs and lizards in a transitional northern Amazonian rain forest. <i>Oikos</i> , 383-397.
<i>Eleutherodactylus platydactylus</i>	Rödger, D. (2008). Diet of <i>Physalaemus biligonigerus</i> (Cope, 1861, «1860») and <i>Eleutherodactylus platydactylus</i> (Boulenger, 1903)(Anura: Leiuperidae, Brachycephalidae) from Bolivia and Paraguay. <i>Russian Journal of Herpetology</i> , 15(2), 117-121.	Padial, J. M., Gonzáles, L., Reichle, S., Aguayo, R., & De la Riva, I. (2004). Nuevas citas de <i>Eleutherodactylus Duméril y Bibron</i> , 1841 (Anura, Leptodactylidae) para Bolivia. <i>Graellsia</i> , 60(2), 167-174.
<i>Eleutherodactylus johnstonei</i>	Ovaska, K. (1991). Diet of the frog <i>Eleutherodactylus johnstonei</i> (Leptodactylidae) in Barbados, West Indies. <i>Journal of Herpetology</i> , 25(4), 486-488.	Ovaska, K. (1991). Diet of the frog <i>Eleutherodactylus johnstonei</i> (Leptodactylidae) in Barbados, West Indies. <i>Journal of Herpetology</i> , 25(4), 486-488.
<i>Fejervarya limnocharis</i>	Norval, G., Huang, S. C., Mao, J. J., Goldberg, S. R., & Yang, Y. J. (2014). Notes on the diets of five amphibian species from southwestern Taiwan. <i>Alytes</i> , 30(1-4), 69-77.	Norval, G., Huang, S. C., Mao, J. J., Goldberg, S. R., & Yang, Y. J. (2014). Notes on the diets of five amphibian species from southwestern Taiwan. <i>Alytes</i> , 30(1-4), 69-77.
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<i>Leptodactylus pentadactylus</i>	Caldwell, J. P., & Vitt, L. J. (1999). Dietary asymmetry in leaf litter frogs and lizards in a transitional	Caldwell, J. P., & Vitt, L. J. (1999). Dietary asymmetry in leaf litter frogs and lizards in a transitional

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<i>Pristimantis lutitus</i>	Arroyo, S. B., Serrano-Cardozo, V. H., & Ramírez-Pinilla, M. P. (2008). Diet, microhabitat and time of activity in a <i>Pristimantis</i> (Anura, Strabomantidae) assemblage. Phyllomedusa: Journal of Herpetology, 7(2), 109-119.	Arroyo, S. B., Serrano-Cardozo, V. H., & Ramírez-Pinilla, M. P. (2008). Diet, microhabitat and time of activity in a <i>Pristimantis</i> (Anura, Strabomantidae) assemblage. Phyllomedusa: Journal of Herpetology, 7(2), 109-119.
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Table S2. Principal Coordinates Analyses of dietary composition in litter frog species based on Bray-Curtis dissimilarity matrices of dietary composition of each species. Results are provided separately for datasets on the relative frequency or volume of each food item, respectively.

Food item	Frequency			Volume		
	Axis 1	Axis 2	Axis 3	Axis 1	Axis 2	Axis 3
Formicidae	-0.29	-0.15	-0.37	-0.26	-0.28	-0.04
Coleoptera	0.02	0.08	-0.23	-0.11	-0.34	0.18
Diptera	0.32	0.12	0.04	0.31	0.31	0
Isoptera	-0.52	0.17	0.28	-0.54	0.38	0.05
larvae	0.13	0.25	0.05	0.19	-0.07	0.19
Arachnida (non-Acari)	0.29	0.03	0.02	0.3	0.06	0.19
Acari	0.06	-0.49	0.21	0.11	-0.06	-0.56
Proportion of variance	32.8%	21.9%	18.7%	30.8%	22.7%	21.3%
Cumulative proportion	32.8%	54.7%	73.4%	30.8%	53.6%	74.8%