

Standard Symbolic Codes for Institutional Resource Collections in Herpetology and Ichthyology

Version 6.5 Compiled by Mark Henry Sabaj, 16 August 2016

Citation: Sabaj M.H. 2016. Standard symbolic codes for institutional resource collections in herpetology and ichthyology: an Online Reference. Version 6.5 (16 August 2016). Electronically accessible at <http://www.asih.org/>, American Society of Ichthyologists and Herpetologists, Washington, DC.

Primary sources (all cross-checked): Leviton et al. 1985, Leviton & Gibbs 1988, <http://www.asih.org/codons.pdf> (originating with John Bruner), Poss & Collette 1995 and Fricke & Eschmeyer 2010 (on-line v. 15 Jan)

Additional on-line resources for Biological Collections (cross-check: token)

<http://zefod.genres.de/>

<http://www.fishwise.co.za/>

<http://species.wikimedia.org/wiki/Holotype>

http://en.wikipedia.org/wiki/List_of_natural_history_museums

http://www.ncbi.nlm.nih.gov/IEB/ToolBox/C_DOC/lxr/source/data/institution_codes.txt

http://research.amnh.org/vz/herpetology/amphibia/?action=page&page=museum_abbreviations

<http://www.biodiversitycollectionsindex.org/static/index.html>

http://www.conabio.gob.mx/informacion/acttax/doctos/colecciones_cientificas.html

http://www.conabio.gob.mx/informacion/catalogo_autoridades/autorescolectorescolecciones/Instituciones_Colecciones.xls

http://www.conabio.gob.mx/informacion/catalogo_autoridades/autorescolectorescolecciones.old/Instituciones_Colecciones.xls

<http://www.dinohunter.info/html/museums.htm>

Citations

Fricke, R. & W.N. Eschmeyer. 2010. A guide to Fish Collections in the Catalog of Fishes database. On-line version of 15 January 2010.

Leviton, A.E. & R.H., Gibbs, Jr. 1988. Standards in Herpetology and Ichthyology. Standard symbolic codes for institution resource collections in herpetology and ichthyology. *Copeia* 1988 (no. 1): 280-282.

Leviton, A.E., R.H. Gibbs, Jr., E. Heal & C.E. Dawson. 1985. Standards in herpetology and ichthyology: Part I. Standard symbolic codes for institutional resource collections in herpetology and ichthyology. *Copeia* 1985 (no. 3): 802-832.

Notes: "formerly", "alternatively" and "newly" are short for "formerly named, listed and/or known as", etc.

Names for collections/institutions ordered with preference given to abbreviation

Please send corrections and updates, however minor, to Mark Sabaj at sabaj@ansp.org. Equally welcome is confirmation that a particular abbreviation remains in current use or disuse. For newly added collections and abbreviations, please include address and URL (if available).

ZEFOD: information system to botanical and zoological research collections in Germany
Fishwise: Universal Fish Catalog
Wikispecies, Holotype, directory
List of natural history museums, From Wikipedia, the free encyclopedia
National Center for Biotechnology Information
List of museum abbreviations compiled by Darrel R. Frost. 2010. Amphibian Species of the World: an Online Reference.
BCI: Biological Collections Index (to be key component in GBIF's Global Biodiversity Resources Discovery System (GBRDS))
Directory of Mexican collections
Download Excel file of collections compiled by CONABIO
Download Excel file of collections compiled by CONABIO (old version?)
Directory of paleo museum abbreviations

ABBREVIATION	NAME	DEPT/PREFECTURE/PROVINCE/S COUNTRY		SOURCE FOR ABBREVIATION	
		L85	L&G	F&E	(L85=Leviton et al. 1985, L&G=Leviton & Gibbs 1988, F&E=Fricke & Eschmeyer 2010)
JPHM	Jean P. Haydon Museum, Pago Pago		American Samoa	L&G	
MD	Museu Regional do Dundo, Chitato	Lunda Norte	Angola	L85	F&E Ferraris 2007
AI	Asociación Ictiológica, La Plata. Note: collection separate from, but in same building as MLP.	Buenos Aires	Argentina		F&E Vanegas-Ríos et al. 2011, 2013
CENAI	Centro Nacional de Investigaciones Iológicas, Buenos Aires. Also as: Colección Herpetológica, Instituto Nacional de Microbiología "Gustav G. Malbrán" (CENAI/CHINM, INM). Note: "Iológicas" correct, derived from Greek word for venom; institution founded by Avelino Barrio; closed in 1979, herps (including types) transferred to MACN.	Buenos Aires	Argentina		Cabrera & Colantonio 2001:115, Kolenc et al. 2011:514, Céspedes 2003, Francisco Kolenc pers. comm. 2012
CENAI/CHINM	See CENAI.	Buenos Aires	Argentina		Avila et al. 2013
CFA	Fundación de Historia Natural "Félix de Azara" Colección, Universidad Maimónides, Ciudad Autónoma de Buenos Aires. Includes: fishes from ILPLA. Current as: CFA-IC (fishes). Note: older CFA collections assembled by Julio Rafael Contreras for Programa de Biología Básica, Corrientes, transferred to MACN and re-numbered.	Buenos Aires	Argentina		Céspedes 2003, Brancolini et al. 2014, Sergio Bogan pers. comm. 2016
HB	See MACN.	Buenos Aires	Argentina		Bornschein et al. 2015
IAA	Instituto Antártico Argentino, Museo Antártico de la Fundación Marambio, Buenos Aires	Buenos Aires	Argentina		F&E
INM	See CENAI.	Buenos Aires	Argentina		Wallach et al. 2014
UNLP	Universidad Nacional de La Plata, Buenos Aires. Current as: UNLP (amphibians).	Buenos Aires	Argentina		Böhme 2010
CHMLPA	See MLP.	Buenos Aires	Argentina		Gudynas et al. 1988:7
IBMC	See INIDEP.	Buenos Aires	Argentina	L85	Díaz de Astarloa 1996, pers. comm. 2012
ILLPA	See ILPLA.	Buenos Aires	Argentina		Gudynas et al. 1988:7
ILPLA	Instituto de Limnología "Dr. Raúl A. Ringuelet", La Plata. Obsolete as: ILLPA. Current as: ILPLA (fishes)	Buenos Aires	Argentina	L85	F&E Brancolini et al. 2014
INIDEP	Instituto Nacional de Investigación y Desarrollo Pesquero, Mar del Plata.. Formerly: Instituto de Biología Marina (IBMC) until 1977.	Buenos Aires	Argentina		F&E Díaz de Astarloa 1996, pers. comm. 2012
MACN	Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Ciudad Autónoma de Buenos Aires. Formerly: Museo Nacional de Argentina and Museo Nacional de Buenos Aires (MNBA)]. Includes: herps from CENAI (closed in 1979), Colección herpetológica del Centro de Ecología aplicada del Litoral (HB) and collections assembled by Julio Rafael Contreras for Programa de Biología Básica, Corrientes (CFA). Obsolete as: SHNBA. Current as: MACN-Ict (fishes, Colección Nacional de Ictiología), MACN-He (herps, Colección Nacional de Herpetología); MACN-Pv (fossils, Colección Nacional de Paleovertebrados).	Buenos Aires	Argentina	L85	F&E Tablado 2002, Azpelicueta & Cione 2011, Cabrera & Colantonio 2001:115, Kolenc et al. 2011:514, Céspedes 2003, Avila et al. 2013; Brancolini et al. 2014, Gustavo E. Chiaramonte pers. comm. 2015, Sergio Bogan pers. comm. 2016
MLP	Museo de La Plata, La Plata. Founded as: Museo Antropológico y Arqueológico de Buenos Aires based on collections donated by Francisco Pascasio Moreno. Also as: Museo de Ciencias Naturales de La Plata (CHMLPA). Obsolete as: MLPA. Current as: MLP (Recent fishes, collection separate from AI in same building, and fossils, Colección Paleontología), MLP A (amphibians), MLP R (reptiles, for catalog numbers >= 5000), MLP S. & MLP JW. (lizards & snakes, respectively, for catalog numbers <5000), MLP DB (Diego Baldo personal herp collection).	Buenos Aires	Argentina	L85	F&E Ferraris 2007, Ferraro & Williams 2006, Bogan & Agnolin 2009, Diego Baldo pers. comm. 2012, Wallach et al. 2014, Miquelarena & Nadalín 2014, Bornschein et al. 2015
MLPA	See MLP.	Buenos Aires	Argentina		Wallach et al. 2014
MNBA	See MACN.	Buenos Aires	Argentina		Wallach et al. 2014
SHNBA	See MACN.	Buenos Aires	Argentina		Wallach et al. 2014
FACEN	Facultad Ciencias Exactas y Naturales, Universidad Nacional de Catamarca, Catamarca. Includes: fish collection formerly known as UNCa. Current as: FACEN (fishes).	Catamarca	Argentina		Luis Fernández pers. comm. 2015, Fernández & Andreoli Bize 2015
UNCa	See FACEN.	Catamarca	Argentina		Fernández & Vari 2012

MCNCH	Museo de Ciencias naturales "Augusto Gustavo Schulz". Note: reportedly closed.	Chaco	Argentina	F&E	M. Azpelicueta pers. comm. 2016
CENPAT	Centro Nacional Patagónico (exclusive unit of CONICET), Puerto Madryn. Current as CENPAT (fossil fishes). See also: LJAMM-CNP (reptiles), CNP-A (amphibians) and CNP-P (fishes)	Chubut	Argentina		Azpelicueta & Cione 2011, Luciano Javier Avila pers. comm. 2015
CH-JAS	See JAS-DC.	Chubut	Argentina		Cei et al. 2003
CNP	Centro Nacional Patagónico (exclusive unit of CONICET), Puerto Madryn. Current as: CNP-A (amphibians), CNP-P (fishes). See also: LJAMM-CNP (reptiles), CENPAT (fossil fishes)	Chubut	Argentina		Luciano Javier Avila pers. comm. 2015
JAS-DC	José A. Sclaro Diagnostic Collection (herps). Also as: CH-JAS (Colección Herpetológica de José A. Sclaro).	Chubut	Argentina		Lobo et al. 2012, Cei et al. 2003
LJAMM-CNP	Colección Herpetológica, Luciano Javier Avila Mariana Morando, Centro Nacional Patagónico (CENPAT), Puerto Madryn. Current as: LJAMM-CNP (reptiles, collection began in 1998, donated to CENPAT in 2009). See also: CNP (fishes and amphibians), CENPAT (fossil fishes).	Chubut	Argentina		Avila et al. 2010, Avila et al. 2013, Mariana Morando pers. comm. 2013, Luciano Javier Avila pers. comm. 2015
MPEF	Museo Paleontológico Egidio Feruglio, Trelew. Current as: MPEF-PV (paleo vertebrates)	Chubut	Argentina		Azpelicueta & Cione 2011
MZUC	Museo de Zoología, Universidad Nacional de Córdoba, Córdoba. Note: MZUC also in use for Museo de Zoología de la Universidad de Concepción, Chile	Córdoba	Argentina		Maneyro et al. 2008
UNRC-ZV	Colección Herpetológica de Zoología Vertebrados, Universidad Nacional de Río Cuarto, Córdoba. Also as: ZVUNRC.	Córdoba	Argentina		Avila et al. 2010, Céspedes 2003, Avila et al. 2013
ZOOC	Córdoba Zoo, Córdoba	Córdoba	Argentina		Cabrera & Colantonio 2001:115
ZVUNRC	See UNRC-ZV.	Córdoba	Argentina		Céspedes 2003
CIPBV	Centro de Investigaciones Pesqueras "Bella Vista"	Corrientes	Argentina	F&E	
INALI	Instituto Nacional de Limnología, Universidad Nacional del Litoral, Santo Tomé	Corrientes	Argentina	F&E	
UNNE	Colección Herpetológica de la Universidad Nacional del Nordeste, Corrientes. Obsolete as: UNNEC.	Corrientes	Argentina		Avila et al. 2010, Céspedes 2003, Avila et al. 2013
UNNEC	See UNNE.	Corrientes	Argentina		Céspedes 2003
CICYTTP	Centro de Investigaciones Científicas y Transferencia a la Producción, Diamante. Current as: CICYTTP-PV-P (fossil fishes)	Entre Ríos	Argentina		Cioné et al. 2009:350, Azpelicueta & Cione 2016
MER	Museo de Ciencias Naturales y Antropológicas "Prof. Antonio Serrano", Paraná	Entre Ríos	Argentina		Cabrera & Colantonio 2001:115
RVP	Relevamiento de Vertebrados de La Pampa, Museo Provincial de Historia Natural, Santa Rosa Formerly: Museo Regional Pampeano until 1992.	La Pampa	Argentina		Avila et al. 2010, Avila et al. 2013
CH-IADIZA	See IADIZA.	Mendoza	Argentina		Cei et al. 2003
IADIZA	Instituto Argentino de Investigación de Zonas Áridas (CCT-Mendoza-CONICET), Mendoza. Also as: CH-IADIZA, IADIZA-CH (Colección Herpetológica)	Mendoza	Argentina	F&E	Cei et al. 2003, Avila et al. 2013
IADIZA-CH	See IADIZA.	Mendoza	Argentina		Avila et al. 2013
IBA	See IBAUNC.	Mendoza	Argentina	F&E	
IBA-UNC	See IBAUNC.	Mendoza	Argentina		Cei et al. 2003, Avila et al. 2013
IBAUNC	Instituto de Biología Animal, Universidad Nacional de Cuyo, Mendoza. Also as: IBA, IBA-UNC (herps)	Mendoza	Argentina	L85	F&E Cei et al. 2003, Avila et al. 2013
JMC-DC	José Miguel Cei Diagnostic Collection (herps), San Luis	Mendoza	Argentina		Cei et al. 2003, Avila et al. 2010, Avila et al. 2013
MHN	See MHNSR.	Mendoza	Argentina		Cei et al. 2003, Avila et al. 2010, Avila et al. 2013
MHNSR	Museo de Historia Natural de San Rafael, San Rafael. Also as: MHN, MMHN-SR	Mendoza	Argentina		Wallach et al. 2014, Abdala et al. 2016
MMHN-SR	See MHNSR.	Mendoza	Argentina		Cei et al. 2003
MNHSR	See MHNSR.	Mendoza	Argentina		Wallach et al. 2014
CHUNAM	Colección Herpetológica de la Universidad Nacional de Misiones, Posadas. See also: LGE	Misiones	Argentina		Maneyro et al. 2008, Diego Baldo pers. comm. 2012, Bornschein et al. 2015
IARM	Vivario del Museo de Ciencias Naturales e Históricas del Instituto Ruiz de Montoya, Posadas	Misiones	Argentina		Cabrera & Colantonio 2001:115
LGE	Laboratorio de Genética Evolutiva, Instituto de Biología Subtropical, Universidad Nacional de Misiones, Posadas. See also: CHUNAM	Misiones	Argentina		Kolenc et al. 2011:514, Francisco Kolenc pers. comm. 2012, Diego Baldo pers. comm. 2012
MML-PV	Museo Municipal de Lamarque Rio Negro, Neuquén	Neuquén	Argentina		Wallach et al. 2014

UNCo-PH	Universidad Nacional del Comahue, Programa de Herpetología, Neuquén	Neuquén	Argentina			Lobo et al. 2012
CIC	Museo Naturalístico, Antropológico e Histórico "Jorge Gerhold", Ingeniero Jacobacci	Río Negro	Argentina			Azpelicueta & Cione 2011
MPBAR	Museo Paleontológico de la Asociación Paleontológica Bariloche, San Carlos de Bariloche	Río Negro	Argentina			Azpelicueta & Cione 2011
MPCA	Museo provincial de Cipolletti "Carlos Ameghino", Cipolletti. Current as: MPCA-PV (paleo)	Río Negro	Argentina			Wallach et al. 2014, Caldwell et al. 2015
MCMI	See MCN-UNSa.	Salta	Argentina			Fernández & Vari 2009:195
MCN	See MCN-UNSa.	Salta	Argentina			Robert Espinoza pers. comm. 2012
MCN-UNSa	Museo de Ciencias Naturales, Universidad Nacional de Salta, Salta; Current as: MCN-UNSa (herps, replaces MCN though cited in past publications and currently used on specimen tags), MCNI (fishes, replaces MCN). Misspelled as: MCMI. Note: MCN-UNSa (herps) and MCNI (fishes) adopted to distinguish collection from Museu de Ciências Naturais, Porto Alegre, Brazil (also MCN).	Salta	Argentina			Robert Espinoza pers. comm. 2012, Fernando Lobo pers. comm. 2012, Lobo et al. 2012, Valdecantos et al. 2012, Fernández & Vari 2012
MCNI	See MCN-UNSa.	Salta	Argentina		F&E	Robert Espinoza pers. comm. 2012, Fernando Lobo pers. comm. 2012
IMCN-UNSJ	Instituto y Museo de Ciencias Naturales, Universidad Nacional de San Juan, San Juan	San Juan	Argentina			Avila et al. 2013
MFA	Museo Provincial de Ciencias Naturales "Florentino Ameghino", Santa Fé. Current as: MFA-ZV-I (fishes), MFA-ZV-H (herps).	Santa Fé	Argentina		F&E	Avila et al. 2013, Cardoso et al. 2016, Bornschein et al. 2015
MFA-ZV	See MFA.	Santa Fé	Argentina		F&E	Maneyro et al. 2008
IAV	Instituto de Animales Venenosas "Dr. Jorge W. Abaloz", Santiago del Estero	Santiago del Estero	Argentina			Wallach et al. 2014
CI-FML	See FML.	Tucumán	Argentina		F&E	
FML	Fundación Miguel Lillo, San Miguel de Tucumán. Current as: FML (fishes and herps). Also as: CI-FML (fishes). Obsolete as: IML (fishes). See also: PVL (fossil fishes).	Tucumán	Argentina	L85	F&E	Ferraris 2007, Robert Espinoza pers. comm. 2012
IML	See FML.	Tucumán	Argentina			Ringuelet et al. 1967
PVL	Colección de Paleontología de Vertebrados del Instituto Miguel Lillo, San Miguel de Tucumán. See also: FML (Recent fishes & herps).	Tucumán	Argentina			Bogan & Agnolin 2009, Azpelicueta & Cione 2011
ZIA	Zoological Institute, National Academy of Sciences of the Republic of Armenia, Yerevan [Erevan]		Armenia	L85		
ANU	Australian National University, Canberra. Includes: Gauba Collection. Current as: ANU V (paleo). Also as: CPC (Commonwealth Paleontological Collection)	Australian Capital Territory	Australia	L85		Mark-Kurik & Young 2003, Wallach et al. 2014, Young et al. 2014
ANWC	Australian National Wildlife Collection [held at CSIRO], Canberra	Australian Capital Territory	Australia	L85		Ross 1984
CPC	See ANU.	Australian Capital Territory	Australia			Mark-Kurik & Young 2003
GAUBA	See ANU.	Australian Capital Territory	Australia	L85		
AM	See AMS.	New South Wales	Australia			Schleip & O'Shea 2010
AMF	See AMS.	New South Wales	Australia			Sobbe et al. 2013
AMS	Australian Museum, Sydney. Formerly: Colonial Museum Sydney (1827-1836). Includes: fish types and herps from Macleay Museum (MAMU, also as MMS, MU, MMUS). Current as: AMS (fishes and herps), AMF (paleo). Obsolete as: AM or A.M.	New South Wales	Australia	L85	F&E	Wallach et al. 2014
GNHNA	Gallery of Natural History and Native Art, Medlow Bath	New South Wales	Australia		F&E	
MAMU	Macleay Museum, University of Sydney, Sydney. Also as: MMS, MU, MMUS. Note: no longer extant, fish type specimens and herps transferred to AMS.	New South Wales	Australia	L85	F&E	Wallach et al. 2014
MLS	See CSIRO.	New South Wales	Australia		F&E	
MMS	See MAMU.	New South Wales	Australia			Wallach et al. 2014
MMUS	See MAMU.	New South Wales	Australia		F&E	
MQU	Macquarie University, Department of Biological Sciences, North Ryde	New South Wales	Australia	L85		
MU	See MAMU.	New South Wales	Australia		F&E	
NEW	University of Newcastle, Newcastle	New South Wales	Australia	L85		
WOLL	University of Wollongong, Wollongong	New South Wales	Australia	L85		

CAM	See NTM A/S.	Northern Territory	Australia	L85	F&E
CAWC	See NTM A/S.	Northern Territory	Australia		Storr 1986
MAGNT	See NTM.	Northern Territory	Australia		OZCAM 2016
NT	See NTM.	Northern Territory	Australia		VertNet 2016
NTI	Animal Industry Branch, Northern Territory Administration, Alice Springs	Northern Territory	Australia		Wallach et al. 2014
NTM	Museums and Art Galleries of the Northern Territory, Darwin. Formerly: Northern Territory Museum of Arts & Sciences. Includes: fluid collections of Museum of Central Australia, Alice Springs (See NTM A/S). Current as: NTM (fishes and herps). Also as: NT, MAGNT	Northern Territory	Australia	L85	F&E Polgar et al. 2013, Larson et al. 2013, G. Dally pers. comm. 2016
NTM A/S	Museum of Central Australia, Alice Springs. Includes: collections of Conservation Commission of the Northern Territory (CAWC). Also as: CAM (fishes), NTM-A/S (herps). Note: fluid collections transferred to and re-cataloged at Museums and Art Galleries of the Northern Territory (NMT), Darwin.	Northern Territory	Australia		Rankin & Gillam 1979, Storr 1984, Wallach et al. 2014
AFAQ	Queensland Amateur Fishing Clubs Association, Inc. Formerly: Amateur Fisheries Association of Queensland. Note: most specimens transferred to Queensland Museum (QM)	Queensland	Australia		F&E Kottelat 2013
DHMB	See QM.	Queensland	Australia	L85	F&E Kottelat 2013
FBQ	Fisheries Branch, Department of Primary Industries & Fisheries Queensland, Brisbane	Queensland	Australia		F&E
GRIF	Griffith University, Brisbane	Queensland	Australia	L85	
QM	Queensland Museum, Centre for Biodiversity, Brisbane. Includes: collection from Department of Harbours & Marine, Brisbane (DHMB) and specimens from Queensland Amateur Fishing Clubs Association (AFAQ). Current as: QM, (fishes and herps), QMF (paleo). Obsolete as: QMB.	Queensland	Australia	L85	F&E Wallach et al. 2014
QMB	See QM.	Queensland	Australia		F&E
QMF	See QM.	Queensland	Australia		Sobbe et al. 2013, Caldwell et al. 2015
QP	National Parks and Wildlife Division	Queensland	Australia	L85	
FLIN	Flinders University, Adelaide	South Australia	Australia	L85	
SAMA	South Australian Museum, Adelaide	South Australia	Australia	L85	F&E Wallach et al. 2014, VertNet 2016
ANFC	See CSIRO.	Tasmania	Australia		Last et al. 2014
CSIRO	Commonwealth Scientific & Industrial Research Organisation, Division of Marine & Atmospheric Research, Australian National Fish Collection (ANFC), Hobart. Formerly: I.S.R. Munro Fish Collection. Includes: fishes from Marine Lab, Sydney (MLS). Current as: CSIRO (fishes).	Tasmania	Australia	L85	F&E Last et al. 2014
QVM	See QVMT	Tasmania	Australia		F&E
QVMT	Queen Victoria Museum & Art Gallery, Launceston	Tasmania	Australia	L85	
TFDA	Tasmanian Fisheries Development Authority, Hobart	Tasmania	Australia	L85	
TIFC	Tasmanian Inland Fisheries Commission, Hobart	Tasmania	Australia	L85	
TMAG	See TMH.	Tasmania	Australia		VertNet 2016
TMH	Tasmanian Museum and Art Gallery, Hobart. Also as: TMAG	Tasmania	Australia	L85	F&E
NMV	Museum Victoria, Melbourne. Formerly: National Museum of Victoria. Current as: NMV (fishes and herps)	Victoria	Australia	L85	F&E Köhler & Güsten 2007, Wallach et al. 2014
UMP	University of Melbourne, Parkville	Victoria	Australia	L85	
WAM	Western Australian Museum, Perth	Western Australia	Australia	L85	F&E
MW	M. Ward private collection (herps)		Australia		Wallach et al. 2014
OLL	Oberösterreichisches Landesmuseum, Linz	Oberösterreich	Austria		F&E
LJG	Landesmuseum Joanneum, Graz; also as LIG	Steiermark	Austria		F&E
GBW	Geologische Bundesanstalt [Geological Survey of Austria], Wien [Vienna] (paleo fish)		Austria		Ferraris 2007
HNC	Hof-Naturalien-Cabinet [Hof-Naturalienkabinett], Wien; predecessor to NMW		Austria		Wallach et al. 2014
LIG	See LJG.		Austria		F&E
MV	Museo Caesareo Vindobonensi, Wien [Vienna]; no longer extant		Austria		Wallach et al. 2014
NHMV	See NMW.		Austria		Wallach et al. 2014
NHMW	See NMW.		Austria		Jay Savage pers. comm. 2010, Wallach et al. 2014
NMW	Naturhistorisches Museum, Wien [Vienna]; also as NHMV, NHMW (obsolete), NMWGP (paleo)		Austria	L85	F&E

NMWGP	See NMW.		Austria		Wallach et al. 2014
ZIUW	Zoologisches Institut, Universität Wien, Wien		Austria	L85	
CBS	See CBSIZA.		Azerbaijan		F&E
CBSIZA	Caspian Biological Station, Institute of Zoology, Azerbaijan National Academy of Sciences, Baku. Obsolete as: CBS.		Azerbaijan		F&E
IZA	See IZAB.		Azerbaijan		F&E
IZAB	Institute of Zoology, Azerbaijan National Academy of Sciences, Baku. Obsolete as: ZIAZ, IZA		Azerbaijan		F&E
ZIAZ	See IZAB.		Azerbaijan		F&E
BFRIRS	Bangladesh Fisheries Research Institute, Riverine Station [formerly Freshwater Fisheries Research Station], Museum, Chandpur	Chittagong	Bangladesh		F&E
IRSCNB	See IRSNB.	Brussels	Belgium		de Santana & Vari 2010
IRSNB	Institut Royal des Sciences Naturelles de Belgique [Koninklijk Belgisch Instituut voor Natuurwetenschappen (KBIN)], Brussels; current for fishes & herps as replacement for ISBN, ISNB, ISNM; also as IRScNB, RBINS	Brussels	Belgium	L85	F&E Böhme 2010, Wallach et al. 2014
ISBN	See IRSNB.	Brussels	Belgium		F&E
ISNB	See IRSNB.	Brussels	Belgium		http://www.asih.org/codons.pdf
ISNM	See IRSNB.	Brussels	Belgium		F&E
KBIN	See IRSNB.	Brussels	Belgium		Böhme 2010, Wallach et al. 2014
RBINS	See IRSNB.	Brussels	Belgium		VertNet 2016
ZMULB	Muséum [Musée] de Zoologie, Faculté des Sciences, Departement Biologie des Organismes, Université Libre de Bruxelles, Brussels	Brussels	Belgium		F&E
MRAC	Musée Royal de l'Afrique Centrale [Koninklijk Museum voor Midden Afrika], Tervuren; also as MT, RGMC, RMAC (all obsolete)	Flemish Brabant	Belgium	L85	F&E
MT	See MRAC.	Flemish Brabant	Belgium		Arratia & Schultze 1990
RGMC	See MRAC.	Flemish Brabant	Belgium		Wallach et al. 2014
RMAC	See MRAC.	Flemish Brabant	Belgium		Wallach et al. 2014
MZULG	Université de Liège, L'Aquarium "Dubuisson" et le Musée de Zoologie, Liège	Liège	Belgium		F&E
LHC	Laboratoire d'Hydrobiologie et d'Aquaculture, Faculté des Sciences Agronomiques, Université d'Abomey Calavi, Cotonou [Kutonu]		Bénin		F&E
BAMZ	Bermuda Aquarium, Museum and Zoo, Bermuda Zoological Society [formerly Natural History Society], Flatts Village; current for fishes; also as BZS, BNHS		Bermuda		F&E Anderson & Heemstra 2012:3
BNHS	See BAMZ.		Bermuda		F&E
BZS	See BAMZ.		Bermuda		F&E
CIRA-UTB	Centro de Investigacion de Recursos Aquaticos de la Universidad del Beni, Trinidad	Beni	Bolivia		F&E
MHNC	Museo de Historia Natural Alcide d'Orbigny de Cochabamba, Cochabamba [Quchapampa]; current as MHNC-R for reptiles	Cochabamba	Bolivia		Ferraris 2007, Muñoz-Saravia et al. 2009
UMSS	Universidad Mayor de San Simon, Cochabamba [Quchapampa]; current for fishes	Cochabamba	Bolivia		F&E Fernández & Quispe Chuquihamani 2007
CBF	Colección Boliviana de Fauna, Museo Nacional de Historia Natural, Instituto de Ecología, Academia Nacional de Ciencias de Bolivia, La Paz; current for fishes & herps; also as CFB	La Paz	Bolivia		F&E Köhler & Güsten 2007, González-Fernández et al. 2009, Böhme 2010
CIPA	Centro de Investigación y Preservatione de la Amazonia of the University of Cobija	Nicolás Suárez	Bolivia		F&E
MNK	Museo de Historia Natural "Noel Kempff Mercado" [part of Universidad Autónoma Gabriel René Moreno], Santa Cruz de La Sierra; current for herps (sometimes with R preceding catalog number for reptiles); also as MNKP (current for fishes), MNKM, MNKR & NK (all reptiles)	Santa Cruz	Bolivia		Harvey 1994:61, González-Fernández et al. 2009, Wallach et al. 2014, P. Uetz pers. comm. 2015
CFB	See CBF.		Bolivia		Fernández & Quispe Chuquihamani 2007
MNKM	See MNK.		Bolivia		Montero et al. 1997
MNKP	See MNK.		Bolivia		F&E Ferraris 2007, Nielsen 2013
MNKR	See MNK.		Bolivia		Wallach et al. 2014
NK	See MNK.		Bolivia		Harvey 1999:388
BHSP	Paleontology Collection, National Museum of Bosnia and Herzegovina, Sarajevo		Bosnia and Herzegovina		Wallach et al. 2014
SADC/GEF	Southern African Development Community, Global Environment Facility, Gaborone		Botswana		F&E

UFAC	Universidade Federal do Acre, Rio Branco (paleo)	Acre	Brazil		Lundberg et al. 2009
MUFAL	Museu de História Natural da Universidade Federal de Alagoas, Maceió; MUFAL current for herps; UFAL current for fishes	Alagoas	Brazil		Nunes et al. 2012 (MUFAL), Loeb & Figueiredo 2014 (UFAL)
UFAL	See MUFAL.	Alagoas	Brazil		Loeb & Figueiredo 2014
IEPA	Instituto de Ensino Profissional da Amazônia [formerly Instituto de Pesquisas Científicas e Tecnológicas], Macapá; current for fishes	Amapá	Brazil		F&E Andrade et al. 2016
IDSM	Instituto de Desenvolvimento Sustentável, Mamirauá, Tefé; current for fishes	Amazonas	Brazil		de Santana & Vari 2010
INPA	Instituto Nacional de Pesquisas da Amazônia, Manaus; also as INPA-H (herps)	Amazonas	Brazil	L85	F&E Ribeiro et al. 2012
CRVS	Coleção de Referência do Vale do São Francisco, Universidade do Estado da Bahia, Paulo Afonso (fishes)	Bahia	Brazil		Marcel R. Cavallaro pers. comm. 2012
CZGB	Coleção Zoológica Gregório Bondar, Centro de Pesquisas-Comissão Executiva do Plano da Lavoura Cacaueira, Ilhéus	Bahia	Brazil		Wallach et al. 2014
MZUEFS	Museu de Zoologia da Universidade Estadual de Feira de Santana, Feira de Santana; current for herps; see also UEFS (fishes)	Bahia	Brazil		Pinto & Fernandes 2012, Nunes et al. 2012
MZUFBA	Museu de Zoologia, Universidade Federal da Bahia, Salvador; also as UFBA (fishes)	Bahia	Brazil		F&E A. Carvalho-Filho pers. comm. 28 Sep 2010, Loeb & Figueiredo 2014 (UFBA)
TAMAR	Projeto Tamar, São João da Mata (fishes)	Bahia	Brazil		Carvalho-Filho et al. 2010
UEFS	Laboratório de Ictiologia, Departamento de Ciências Biológicas, Universidade Estadual de Feira de Santana, Feira de Santana; UEFS current for fishes; see also MZUEFS (herps)	Bahia	Brazil		F&E Loeb & Figueiredo 2014
UFBA	Museu de Zoologia da Universidade Federal da Bahia, Salvador; current for fishes; also as MZUFBA	Bahia	Brazil		F&E Carvalho-Filho et al. 2010, A. Carvalho-Filho pers. comm. 2010, Dourado et al. 2013, Zanata et al. 2013
CHUNB	Coleção Herpetológica da Universidade de Brasília	Brasília	Brazil		Guarino R. Colli pers. comm. 2010, Pinto & Fernandes 2012, Wallach et al. 2014
DNOCS	Departamento Nacional de Obras Contrás as Secas, Fortaleza	Ceará	Brazil		Pinto 1972
LCM	Instituto de Ciências do Mar (formerly Laboratório de Ciências do Mar), Universidade Federal do Ceará, Fortaleza	Ceará	Brazil	L85	
UFC	Laboratório de Ciências do Mar, Centro de Ciências, Universidade Federal do Ceará, Fortaleza	Ceará	Brazil		F&E
CI-UFES	See CIUFES.	Espírito Santo	Brazil		F&E
CIUFES	Coleção Ictiológica da Universidade Federal do Espírito Santo, Vitória; current for fishes; also as CI-UFES, UFES & ZUFES	Espírito Santo	Brazil		Andrade & Langeani 2014
MBML	Museu de Biologia Professor Mello Leitão, Coleção Zoológica, Santa Tereza; current for fishes	Espírito Santo	Brazil		F&E Ferreira et al. 2010, Lehmann et al. 2013
UFES	See CIUFES.	Espírito Santo	Brazil		Anderson & Heemstra 2012:3
ZUFES	See CIUFES.	Espírito Santo	Brazil		F&E
CPDOL	Coleção de Peixes do Departamento de Oceanografia e Limnologia, Universidade Federal do Maranhão, Chapadinha; also as CPDOL (UFMA).	Maranhão	Brazil		Nunes & Piorski 2009
UFMA	See CPDOL.	Maranhão	Brazil		
CPUFMT	Coleção de Peixes da Universidade Federal de Mato Grosso, Cuiabá; current for fishes; also as UFMT	Mato Grosso	Brazil		Martins et al. 2012
CPUFMT	See UFMT.	Mato Grosso	Brazil		Ribeiro & Lehmann 2016
UFMT	Universidade Federal de Mato Grosso, Cuiabá; current as CPUFMT (fishes)	Mato Grosso	Brazil		
ZUFMS	Coleção Zoológica de Referência da Universidade Federal de Mato Grosso do Sul, Campo Grande. ZUFMS-PIS current for fishes, ZUFMS-AMP current for amphibians, ZUFMS-REP current for reptiles	Mato Grosso do Sul	Brazil		Rodriguez et al. 2012, Marcel Rodrigo Cavallaro pers. comm. 2011, Gustavo Gracioli pers. comm. 2015
DZUFMG	Departamento de Zoologia, Universidade Federal de Minas Gerais, Belo Horizonte; also as UFMG (herps)	Minas Gerais	Brazil		F&E Lezama et al. 2012
FUNED	Fundação Ezequiel Dias, Belo Horizonte	Minas Gerais	Brazil		Pinto & Fernandes 2012
LZV	Laboratório de Zoologia de Vertebrados, Universidade Federal de Ouro Preto, Ouro Preto	Minas Gerais	Brazil		Pinto & Fernandes 2012
MCNAM	Museu de Ciências Naturais, Pontifícia Universidade Católica de Minas Gerais, Belo Horizonte, Minas Gerais; current for amphibian collection; see also MCNR (reptiles) & MCNIP (fishes)	Minas Gerais	Brazil		Nunes et al. 2012, Luciana Barreto Nascimento pers. comm. 2013

MCNIP	Museu de Ciências Naturais, Pontifícia Universidade Católica de Minas Gerais, Belo Horizonte, Minas Gerais; current for fish collection; see also MCNAM (amphibians) & MCNR (reptiles)	Minas Gerais	Brazil		Luciana Barreto Nascimento pers. comm. 2013
MCNR	Museu de Ciências Naturais, Pontifícia Universidade Católica de Minas Gerais, Belo Horizonte, Minas Gerais; current for reptile collection; see also MCNAM (amphibians) & MCNIP (fishes)	Minas Gerais	Brazil		Luciana Barreto Nascimento pers. comm. 2013
MHNI	Museu de História Natural e Jardim Botânico, Universidade Federal de Minas Gerais, Belo Horizonte	Minas Gerais	Brazil		F&E
MZUFV	Museu de Zoologia João Moojen de Oliveira, Universidade Federal de Viçosa, Viçosa	Minas Gerais	Brazil		Pinto & Fernandes 2012
UFJF	Universidade Federal de Juiz de Fora, Instituto de Ciências Biológicas, Departamento de Zoologia, Juiz de Fora	Minas Gerais	Brazil		F&E
UFMG	Universidade Federal de Minas Gerais, Belo Horizonte (herps); also as DZUFMG (fishes)	Minas Gerais	Brazil		Pinto & Fernandes 2012
GEA	Laboratório de Ictiologia do Grupo de Ecologia Aquática, Universidade Federal do Pará, Belém; current for fishes; see also UFPA.	Pará	Brazil		Andrade et al. 2016
LIA	Laboratório de Ictiologia de Altamira, Universidade Federal do Pará, Campus Altamira; current for fishes	Pará	Brazil		Leandro Sousa pers. comm. 2013
LPHA	Linha de Pesquisa em Herpetologia da Amazônia, Laboratório de Pesquisas Zoológicas (LPZ), Faculdades Integradas do Tapajós, Santarém; current for herps	Pará	Brazil		Hipócrates Chalkidis pers. comm. 2014
MPEG	Museu Paraense "Emílio Goeldi", Zoologia, Belém; current for fishes and herps; also as MPEG-V (paleontological collection)	Pará	Brazil	L85	F&E Aguilera et al. 2014
MPEG-V	See MPEG.	Pará	Brazil		Aguilera et al. 2014
UFOPA-I	Universidade Federal do Oeste do Pará; current for fishes	Pará	Brazil		Silva-Oliveira et al. 2015
UFPA	Universidade Federal do Pará, Belém; see also GEA	Pará	Brazil		
UFPB	Departamento de Sistemática e Ecologia, Universidade Federal da Paraíba, João Pessoa	Paraíba	Brazil		F&E
DZUP	Coleção de Herpetologia, Departamento de Zoologia, Universidade Federal do Paraná, Curitiba.	Paraná	Brazil		Bornschein et al. 2015
MHNCI	Museu de História Natural Capão da Imbuia, Curitiba. Misspelled as: MNHCL.	Paraná	Brazil		F&E Ferreira et al. 2010, Wallach et al. 2014, Bornschein et al. 2015
MZUEL	Museu de Zoologia, Universidade Estadual de Londrina, Londrina; current for fishes & herps	Paraná	Brazil		F&E Garcia et al. 2010, José Birindelli pers. comm. 2013
NUP	Coleção Ictiológica do Núcleo de Pesquisas em Limnologia, Ictiologia e Aquicultura (Nupélia), Universidade Estadual de Maringá, Maringá; current for fishes; also as NUPELIA	Paraná	Brazil		F&E Roxo et al. 2013, Andrade & Langeani 2014
NUPELIA	See NUP.	Paraná	Brazil		F&E
UFP	Museum of Oceanography "Dr. Petronio Alves Coelho" [formerly Instituto de Biologia Marinha e Oceanografia (1952–1968) and Laboratório de Ciências do Mar (1968–1973)], Universidade Federal de Pernambuco, Laboratório de Ciências do Mar, Cidade Universitária, Recife; also as UFRPE (perhaps current for fishes)	Pernambuco	Brazil	L85	Loeb & Figueiredo 2014 (UFRPE)
UFRPE	See UFP.	Pernambuco	Brazil		Loeb & Figueiredo 2014
UFPI	Universidade Federal do Piauí, Teresina	Piauí	Brazil		F&E
AL-MN	Adolpho Lutz Collection (herps); currently housed at MNRJ	Rio de Janeiro	Brazil		Nunes et al. 2012
CAGC	Carlos Alberto Gonçalves da Cruz private collection, deposited at MNRJ.	Rio de Janeiro	Brazil		F&E
DGM	Coleção de Paleontologia do Museu de Ciências da Terra, Departamento Nacional de Produção Mineral (DNPM), Rio de Janeiro; DGM current for fossil fishes	Rio de Janeiro	Brazil		Ferraris 2007, Malabarba & Lundberg 2007, Pinto 2010, Wallach et al. 2014
IOC	Instituto Oswaldo Cruz, Rio de Janeiro	Rio de Janeiro	Brazil	L85	Wallach et al. 2014
IVP	Instituto Vital Brazil, Niterói	Rio de Janeiro	Brazil		Wallach et al. 2014
LBRP	Laboratório de Biodiversidade de Recursos Pesqueiros, Universidade Federal do Rio de Janeiro; Now in MNRJ	Rio de Janeiro	Brazil		F&E
LNEP-UFF	Laboratório de Biologia do Nécton e Ecologia Pesqueira, Universidade Federal Fluminense, Rio de Janeiro	Rio de Janeiro	Brazil		F&E
MN	See MNRJ.	Rio de Janeiro	Brazil		F&E Wallach et al. 2014
MNLM	Vertebrate DNA extract collection, Museu Nacional, Universidade Federal do Rio de Janeiro, Rio de Janeiro	Rio de Janeiro	Brazil		Paulo Buckup pers. comm. 2012

MNRJ	Museu Nacional, Universidade Federal do Rio de Janeiro, Rio de Janeiro; also as MN (obsolete for fishes and herps, but current for mammals); see also MNTI (fish tissue collection) and MNLM (vertebrate DNA extract collection); collection separate and distinct from UFRJ & ZUFRJ	Rio de Janeiro	Brazil	L85	F&E	Paulo Backup pers. comm. 2012, Leandro Villa-Verde pers. comm. 2013
MNTI	Fish tissue collection, Museu Nacional, Universidade Federal do Rio de Janeiro, Rio de Janeiro	Rio de Janeiro	Brazil			Paulo Backup pers. comm. 2012
NPM	Núcleo em Ecologia e Desenvolvimento Sócio-Ambiental de Macaé (NUPEM), Universidade Federal do Rio de Janeiro	Rio de Janeiro	Brazil		F&E	
PNT.UERJ	See UERJ.	Rio de Janeiro	Brazil			Amaral et al. 2013
UERJ	Universidade do Estado do Rio de Janeiro, Instituto de Biologia Roberto Alcântara Gomes, Vila Isabel, Rio de Janeiro; current for fishes as UERJ & PNT.UERJ; Pz.UERJ current for Paleozoological Collection	Rio de Janeiro	Brazil	L85	F&E	Figueiredo 2009, Amaral et al. 2013, Soares et al. 2015
UFRJ	Laboratório de Sistemática e Evolução de Peixes Teleosteos (formerly Laboratório de Ictiologia Geral e Aplicada), Universidade Federal do Rio de Janeiro, Rio de Janeiro; exclusively for fish collection; collection separate and distinct from MNRJ and ZUFRJ (exclusively for amphibian collection)	Rio de Janeiro	Brazil		F&E	Britto & Castro 2002, Paulo A. Backup pers. comm. 2012, Leandro Villa-Verde pers. comm. 2013
ZUFRJ	Departamento de Zoologia, Instituto de Biologia, Universidade Federal do Rio de Janeiro, Rio de Janeiro; exclusively for amphibian collection, separate from UFRJ (exclusively for fish collection)	Rio de Janeiro	Brazil			Ferreira et al. 2010, Leandro Villa-Verde pers. comm. 2013
LOC-DBEZ-UFRN	Laboratório do Oceano do Departamento de Botânica, Ecologia e Zoologia da Universidade Federal do Rio Grande do Norte, Natal; complete as LOC-DBEZ-UFRN	Rio Grande do Norte	Brazil		F&E	
UFRN	Centro de Ciências Biológicas, Universidade Federal do Rio Grande do Norte, Natal	Rio Grande do Norte	Brazil		F&E	
CRUPF	Coleção Zoológica da Répteis da Universidade Federal de Passo Fundo, Passo Fundo	Rio Grande do Sul	Brazil			Wallach et al. 2014
DZUFRGS	See UFRGS.	Rio Grande do Sul	Brazil		F&E	Luiz Malabarba pers. comm. 2010
EI	Universidade Federal Rural, Eugenio Izecksohn Amphibian collection, Rio de Janeiro; also as EI-UFRRJ	Rio Grande do Sul	Brazil	L85		Ferreira et al. 2010
FURG	Fundação Universidade Federal do Rio Grande, Departamento de Oceanografia, Rio Grande	Rio Grande do Sul	Brazil	L85		
MAPA	Museu Anchieta de Ciências Naturais, Colégio Anchieta, Porto Alegre	Rio Grande do Sul	Brazil	L85	F&E	
MCN	Museu de Ciências Naturais, Fundação Zoobotânica do Rio Grande do Sul, Porto Alegre. Formerly: Museu Riograndense de Ciências Naturais (MRCN). Also as: FZRG, MCNZ (herps), MRCN (herps).	Rio Grande do Sul	Brazil	L85	F&E	Borteiro et al. 2013
MCNZ	See MCN.	Rio Grande do Sul	Brazil			Cabrera & Colantonio 2001:115
MCP	Museu de Ciências e Tecnologia, Pontifícia Universidade Católica do Rio Grande do Sul, Porto Alegre; current for fishes & herps	Rio Grande do Sul	Brazil	L85	F&E	Borteiro et al. 2013
MOFURG	See MOFURG.	Rio Grande do Sul	Brazil		F&E	
MOFURG	Museu Oceanográfico "Professor Eliézer de Carvalho Rios", Fundação Univerdidade Federal do Rio Grande, Rio Grande; also as MOFUNG	Rio Grande do Sul	Brazil		F&E	
MRCN	See MCN.	Rio Grande do Sul	Brazil			Ferraris 2007, Bornschein et al. 2015
UFRGS	Universidade Federal do Rio Grande do Sul, Departamento de Zoologia; current, replacement for DZUFRGS (obsolete).	Rio Grande do Sul	Brazil	L85	F&E	Luiz Malabarba pers. comm. 2010, Martins et al. 2014
ZUFISM	Universidade Federal de Santa Maria, Santa Maria.	Rio Grande do Sul	Brazil			Bornschein et al. 2015
UFRO	Universidade Federal de Rondônia, Laboratório de Ictiologia e Pesca, Porto Velho; current for fishes as UFRO-I, also as UFRO-ICT	Rondônia	Brazil			Luiz J. de Queiroz pers. comm. 2010, Chamon 2016
UNIR	See UFRO.	Rondônia	Brazil			Luiz J. de Queiroz pers. comm. 2010
AMA	Assessoria Para Meio Ambiente, ELETROSUL, Florianópolis (fish); also as AMA-Electrosul.	Santa Catarina	Brazil			Godoy 1980
CAUSC	Universidade Federal de Santa Catarina, Centro de Ciências Agrárias, Florianópolis	Santa Catarina	Brazil	L85	F&E	
MOVI	Museu Oceanográfico Univali, Peixes, Universidade do Vale do Itajaí, [formerly Museu Oceanográfico do Vale do Itajaí (-2008)], Itajaí; MOVI current for fishes	Santa Catarina	Brazil		F&E	Deli Antoni et al. 2015
AZUSC	Acervo Zoológico da Universidade Santa Cecília, Santos	São Paulo	Brazil		F&E	Carvalho-Filho et al. 2010
CFBH	Célio F. B. Haddad Collection, Departamento de Zoologia, Instituto de Biociências, Universidade Estadual Paulista "Júlio de Mesquita Filho", Campus de Rio Claro. Current as: CFBH (amphibians). See also: LGP (bony fishes).	São Paulo	Brazil			Ferreira et al. 2010, Bornschein et al. 2015

DZSASP	See MZUSP.	São Paulo	Brazil		F&E Ferraris 2007
DZSJRP	Departamento de Zoologia e Botânica, Universidade Estadual Paulista "Júlio de Mesquita Filho" (UNESP), Campus de São José do Rio Preto, São Paulo. Current as: DZSJRP (fishes and herps).	São Paulo	Brazil		F&E Martins et al. 2012, Provete et al. 2012, Andrade & Langeani 2014
DZUSP	See MZUSP.	São Paulo	Brazil		Wallach et al. 2014
EEBP	Estação Experimental de Biologia e Piscicultura de Pirassununga, Centro de Pesquisa e Gestão de Recursos Pesqueiros Continentais, IBAMA, Ministério do Meio Ambiente, Pirassununga	São Paulo	Brazil		F&E
IB	See IBSP.	São Paulo	Brazil	L85	
IBSP	Instituto Butantan, Herpetological collection Alphonse Richard Hoge, São Paulo. Also as: IB. Note: destroyed by fire 15 May 2010.	São Paulo	Brazil		Ferreira et al. 2010
IO	Instituto Oceanográfico, Universidade de São Paulo. Formerly: Instituto Paulista de Oceanografia.	São Paulo	Brazil		F&E
LBP	Laboratório de Biologia e Genética de Peixes, Departamento de Morfologia, Universidade Estadual Paulista "Júlio de Mesquita Filho", Campus de Botucatu.	São Paulo	Brazil		Benine et al. 2007, Roxo et al. 2013, Andrade & Langeani 2014
LGP	Laboratório de Genética de Peixes, Departamento de Biologia, Instituto de Biociências, Universidade Estadual Paulista "Júlio de Mesquita Filho", Campus de Rio Claro. See also: CFBH (amphibians).	São Paulo	Brazil		Albert et al. 1999; James Albert & Victor Tagliacollo pers. comm. 2015
LIRP	Laboratório de Ictiologia de Ribeirão Preto, Departamento de Biologia, Faculdade de Filosofia, Ciências e Letras, Universidade de São Paulo, Ribeirão Preto.	São Paulo	Brazil		Marcel R. Cavallaro pers. comm. 2010, Andrade & Langeani 2014
LISDEBE	Laboratório de Ictiologia Sistemática, Departamento de Ecologia e Biologia Evolutiva (DEBE), Universidade Federal de São Carlos, São Carlos	São Paulo	Brazil		F&E
MHNP	Museu de História Natural, Prefeitura Municipal de Pirassununga, Pirassununga	São Paulo	Brazil		F&E
MPSP	See MZUSP.	São Paulo	Brazil		Wallach et al. 2014
MZP	See MZUSP.	São Paulo	Brazil		F&E
MZSP	See MZUSP.	São Paulo	Brazil		F&E Cabrera & Colantonio 2001:115
MZUSP	Museu de Zoologia da Universidade de São Paulo, São Paulo. Formerly: Museu Paulista (MPSP). Includes: collection of Instituto de Zootecnia, Secretaria da Agricultura [formerly Departamento de Zoologia, Museu Paulista (DZSASP)] and Werner C. A. Bokermann herp collection (WCAB). Obsolete as: DZUSP, MZSP, MSP, MPSP.	São Paulo	Brazil	L85	F&E
NUPEC	Núcleo de Pesquisa e Estudo em Chondrichthyes, Universidade Católica do Santos, Santos	São Paulo	Brazil		F&E
UNE-SP-CLP	See UNE-SP-CLP.	São Paulo	Brazil		Garrone-Neto et al. 2014:382
UNESP-CLP	Elasmobranchs Collection, Universidade Estadual Paulista "Júlio de Mesquita Filho", Câmpus do Litoral Paulista. Also as: UNE-SP-CLP.	São Paulo	Brazil		Santos & Gadig 2014
WCAB	See MZUSP.	São Paulo	Brazil		Provete et al. 2012
ZUEC	Museu de Zoologia da Universidade Estadual de Campinas "Adão José Cardoso", Campinas. Also as: ZUEC-PIS (fishes), ZUEC-REP (reptiles).	São Paulo	Brazil	L85	F&E Pinto & Fernandes 2012, Dourado et al. 2013, Carvalho & Santos 2015
UFS	Universidade Federal de Sergipe, Aracaju. Current as: UFS (fishes).	Sergipe	Brazil		Loeb & Figueiredo 2014
UFT	See UNT.	Tocantins	Brazil		
UNT	Universidade Federal do Tocantins, Porto Nacional. Current as: UNT (fishes).	Tocantins	Brazil		F&E Paulo H.F. Lucinda pers. comm. 2012
UBD	Universiti Brunei Darussalam, Faculty of Science, Department of Biology, Brunei Darussalam		Brunei		F&E Kottelat 2012:13
BFSU	See DHISUB.		Bulgaria		F&E
DHISUB	Department of Hydrobiology and Ichthyology, Faculty of Biology, St. Clement of Ohrid University of Sofia [Sofia University], Sofia. Also as: BFSU		Bulgaria		F&E Kottelat 2012:12
MNHV	The Natural History Museum, Varna		Bulgaria		F&E Kottelat 2012:13
NMNHS	National Museum of Natural History, Bulgarian Academy of Sciences, Sofia. Formerly: National Zoological Museum (NZMS). Also as: NZMS.		Bulgaria		F&E Mlíkovský et al. 2011
NZMS	See NMNHS.		Bulgaria	L85	
CVRS	Centre Voltaïque de la Recherche Scientifique, Ouagadougou		Burkina Faso		Wallach et al. 2014
MHV	Musée National de Burkina Faso, Ministère de la Culture, des Arts et du Tourisme, Ouagadougou. Formerly: Musée de Haute Volta [Upper Volta].		Burkina Faso	L85	F&E Ferraris 2007
CRRHA	Centre Régional de Recherches en Hydrobiologie Appliquée, Bujumbura. Note: sponsored by Belgian government from 1992-1995.		Burundi		F&E

CBC	Center for Biodiversity Conservation, Royal University of Phnom Penh, Phnom Penh		Cambodia				Wallach et al. 2014
MUBS	MacEwan University, Department of Biological Sciences, Edmonton. Formerly: Grant MacEwan University.	Alberta	Canada				Mrinal Das pers. comm. 2013
RAM	Royal Alberta Museum, Edmonton	Alberta	Canada				Mark Steinhilber pers. comm. 2010
TMP	Royal Tyrrell Museum of Palaeontology, Drumheller. Current as: TMP (paleo fishes and herps)	Alberta	Canada				Michael Newbrey pers. comm. 2010
UALVP	University of Alberta, Laboratory for Vertebrate Paleontology, Edmonton. Current as: UALVP (paleo). See also: UAMZ (Recent fishes and herps).	Alberta	Canada				John Clay Bruner pers. comm. 2010
UAMZ	University of Alberta, Museum of Zoology, Edmonton. Current as: UAMZ (Recent fishes and herps). See also: UALVP (paleo). Obsolete as: UAZM.	Alberta	Canada	L85	F&E		VertNet 2016
UAZM	See UAMZ & UALVP.	Alberta	Canada				Caldwell et al. 2015
BCPM	See RBCM.	British Columbia	Canada	L85	F&E		Gavin Hanke pers. comm. 2010
RBCM	Royal British Columbia Museum, Victoria. Current as: RBCM. Obsolete as: BCPM (British Columbia Provincial Museum).	British Columbia	Canada				F&E Gavin Hanke pers. comm. 2010
UBC	University of British Columbia, Cowan Vertebrate Museum [part of Beaty Biodiversity Museum], Vancouver. Also as: UBCBBM	British Columbia	Canada	L85	F&E		
UBCBBM	See UBC.	British Columbia	Canada				VertNet 2016
MM	The Manitoba Museum, Winnipeg. Formerly: Manitoba Museum of Man and Nature. Current as: MM (fishes and herps). Obsolete as: MMMN. Also as: TMM (online database)	Manitoba	Canada				COSEWIC 2010, Randall Mooi pers. comm. 2015
MZ	Stewart-Hay Memorial Museum, Department of Biological Sciences, University of Manitoba, Winnipeg. Formerly: Museum of Zoology. Current as: MZF (fishes), MZH (herps).	Manitoba	Canada				Poss & Collette 1995:63, COSEWIC 2010, Reid et al. 2011, Boguski et al. 2012, White 2014, Margaret Docker pers. comm. 2015
MZH	See MZF.	Manitoba	Canada				Margaret Docker pers. comm. 2015
TMM	See MM.	Manitoba	Canada				http://manitobamuseum.ca/main/collections-research/collections-database/
ARC	Atlantic Reference Centre, Saint Andrews. Current as: ARC (fishes)	New Brunswick	Canada	L85	L&G F&E		Lou Van Guelpen pers. comm. 2013
NBM	New Brunswick Museum, Saint John	New Brunswick	Canada	L85	L&G		
FOSJ	Fisheries and Oceans Canada, Newfoundland and Labrador Region, St. John's	Newfoundland	Canada	L85			
MUDB	Memorial University, Department of Biology, St. John's, Newfoundland	Newfoundland	Canada	L85			
NSMC	Nova Scotia Museum, Halifax	Nova Scotia	Canada	L85			
CMN	Canadian Museum of Nature, Ottawa. Formerly: National Museum of Natural Sciences, National Museums of Canada (NMC). Includes: collections of Victoria Memorial Museum Building (VMMB) and Nunavut Fossil Vertebrate Collection (NUFV). Current as: CMNFI (fishes), CMNAR (herps). Obsolete as: CMN FI, NMC, VMMB.	Ontario	Canada			F&E	Beamish 2010, Montanucci 2015
CMN FI	See CMNFI.	Ontario	Canada				Polgar et al. 2013
MNRT	Ministry of Natural Resources, Toronto	Ontario	Canada	L85			
NMC	See CMN.	Ontario	Canada	L85	F&E		Kottelat 2012:13, Wallach et al. 2014
NUFV	See CMN.	Ontario	Canada				Daeschler 2015
ROM	Royal Ontario Museum, Department of Natural History, Toronto	Ontario	Canada	L85	F&E		
VMMB	See CMN.	Ontario	Canada		F&E		
WLUB	Wilfrid Laurier University, Department of Biology, Waterloo	Ontario	Canada	L85			
DGPM	Direction Generale des Peches Maritimes, Ministère de l'Industrie et du Commerce, Quebec	Quebec	Canada	L85			
QPM	Ministère du Tourisme de la Chasse et de la Pêche, Montreal	Quebec	Canada	L85			
RM	Redpath Museum, McGill University, Montréal	Quebec	Canada				David M. Green pers. comm. 2011
SMNH	Saskatchewan Museum of Natural History, Regina	Saskatchewan	Canada	L85			Wallach et al. 2014
CEPFL	Centre d'Etude Pêches, Fort Lamy [formerly Centre O.R.S.T.O.M. de Fort Lamy]		Chad				F&E

CIMAR	Pontificia Universidad Católica de Valparaíso, Centro de Investigaciones del Mar, Valparaíso		Chile	L85	F&E
CIZ	Centro de Investigaciones Zoológicas, Departamento de Ciencias Ecológicas, Facultad de Ciencias, Universidad de Chile		Chile		F&E
CPUC	Colecciones Paleontológicas, Departamento de Ciencias de la Tierra, Universidad de Concepción, Concepción		Chile		Azpeliueta & Rubilar 1998, Ferraris 2007
DBCUCH	Departamento de Biología Celular y Genética de la Universidad de Chile, Santiago; also as DBGUCH		Chile	L85	F&E
DBFFEUCS	Departamento de Biología, Facultad de Ciencias, Universidad de Chile, Santiago; probably the same as DBCUCH, DBGUCH		Chile		F&E
DBGUCH	See DBCUCH.		Chile		Correa et al. 2008
EBMC	Estación de Biología Marina de Montemar, Universidad de Valparaíso [formerly Chile], Viña del Mar, Valparaíso		Chile	L85	F&E
FFSUC	Faculty of Forestry Sciences [Facultad de Ciencias Forestales], Universidad de Chile, Ichthyological Collection, Santiago		Chile		F&E
IZUA	Instituto de Zoología "Ernst F. Filian", Facultad de Ciencias, Universidad Austral de Chile (Campus Isla Teja), Valdivia		Chile	L85	F&E Ferraris 2007
IZUC	See MZUC.		Chile	L85	Lavenberg & Yañez 1972, Wallach et al. 2014
LBUCH	Laboratorio de Biología, Universidad de Chile, Santiago; specimens to be deposited in the National Museum of Natural History, Santiago		Chile		Schultze & Arratia 2013:189
MHNV	Museo de Historia Natural de Valparaíso, Valparaíso		Chile	L85	
MNHN-Stg	See MNHNC.		Chile		Schultze & Arratia 2013:189
MNHNC	Museo Nacional de Historia Natural, Zoología, Santiago; also as MNHNCH & MNHN-Stg.		Chile	L85	F&E Wallach et al. 2014
MNHNCH	See MNHNC.		Chile		F&E
MZUC	Museo de Zoología [formerly Instituto de Zoología] de la Universidad de Concepción, Concepción; replacement for IZUC; MZUC also in use for Museo de Zoología, Universidad Nacional de Córdoba, Argentina		Chile		Randall & Meléndez 1987, Correa et al. 2008, Wallach et al. 2014
AHU	School of Life Sciences, Anhui University, Hefei	Anhui	China		Wallach et al. 2014
ASIZB	Academia Sinica [Chinese Academy of Sciences], Institute of Zoology, Beijing. Formerly: Fan Memorial Institute of Biology, 1928-1962 (ZMFMIB, ZMFIB, FMIB). Obsolete as: CAS (fishes), IOZ (herps) IOZCAS (fishes and herps). See also: IVPP (paleo).	Beijing	China	L85	F&E Kottelat 2013
BMAM	Beijing Museum of Natural History [formerly National Central Museum of Natural History (1951-1962)], Beijing; also as CNHM (herps).	Beijing	China	L85	F&E
CNHM	See BMAM.	Beijing	China		Nguyen et al. 2009
IVPP	Institute of Vertebrate Paleontology and Paleoanthropology [formerly Institute of Vertebrate Paleontology from 1957-60], Academia Sinica [Chinese Academy of Sciences], Beijing; current for fossils; see ASIZB for modern fishes and herps	Beijing	China		Chen et al. 2005:493, Wallach et al. 2014
FM	Department of Nature, Fujian Provincial Museum, Fuzhou	Fujian	China		F&E Kottelat 2012:12
FU	Fujian Normal University, Department of Biology, Fuzhou	Fujian	China		Wallach et al. 2014
XFCFC	Jimei University, Fisheries College [formerly Xiamen Fisheries College], Xiamen	Fujian	China		F&E
ZMUA	Zoological Museum, Department of Biology, College of Life Science, Xiamen University [formerly University of Amoy], Xiamen	Fujian	China		F&E
DBLU	Department of Biology, Lanzhou University, Lanzhou	Gansu	China		Kottelat 2012:12
BLG	See SYS.	Guangdong	China		Kottelat 2012:12, Kottelat 2013
DBJU	See JNU.	Guangdong	China		Kottelat 2012:12
DBSCNU	See PRFRI.	Guangdong	China		F&E
FCSCNU	See PRFRI.	Guangdong	China		F&E
FCSNU	See PRFRI.	Guangdong	China		F&E
FESC	See PRFRI.	Guangdong	China		F&E Kottelat 2012:12, Kottelat 2013
GZIG	Guangzhou Institute of Geography, Guangdong Academy of Sciences, Guangzhou	Guangdong	China		Chen et al. 2016
JNH	See JNU.	Guangdong	China		Kottelat 2013
JNU	Department of Biology, Jinan [Ji-Nan] University, Guangzhou. Also as: DBJU, JNH.	Guangdong	China		F&E Ferraris 2007
LNHSM	See SYS.	Guangdong	China		F&E Kottelat 2012:12
LUG	See SYS.	Guangdong	China		Kottelat 2013

PRFRI	Pearl River Fisheries Research Institute, Chinese Academy of Fishery Sciences, Guangzhou. Formerly: Fishery Experimental Station Canton (FESC), Fishery College South China Normal University (DBSCNU, FCSCNU, FCSNU, SCNU). Current as: PRFRI. Obsolete as: FESC.	Guangdong	China		F&E Li et al. 2014
SCNU	See PRFRI.	Guangdong	China		F&E Ferraris 2007, Kottelat 2012:13
SCSFRI	South China Sea Fisheries Research Institute, Chinese Academy of Fishery Science, Guangzhou. Current as: SCSFRI.	Guangdong	China		F&E White & Last 2013
SYS	Biological Museum of Sun Yat-Sen University [Zhongshan University], Guangzhou [Canton]. Formerly: Chung Shan University which incorporated Lingnan University in 1953. Note: present status unknown for collections of Lingnan University Natural History Survey and Museum (LNHSM or LUG). Current as: SYS (fishes and herps). Obsolete as: BLG (fishes), SYSU	Guangdong	China		Wallach et al. 2014, Zhu et al. 2014
SYSU	See SYS.	Guangdong	China		F&E
ZLSYU	See SYS.	Guangdong	China		F&E
ZX	Zhuhai City Fisheries Science Research Institute	Guangdong	China		Ferraris 2007
GIF	Guangxi Institute of Fisheries, Nanning. Obsolete as: GXIF.	Guangxi Zhuang Autonomous Region	China		Kottelat 2012:12, Xiu et al. 2014:376
GMU	Department of Biology, Guangxi Medical University, Nanning	Guangxi Zhuang Autonomous Region	China		Wallach et al. 2014
GXIF	See GIF.	Guangxi Zhuang Autonomous Region	China		F&E
NHMG	Natural History Museum of Guangxi Zhuang Autonomous Region, Nanning; current for modern fishes (as NHMGZAR) and fossils (as NHMG MNV); see also GMU	Guangxi Zhuang Autonomous Region	China		Chen et al. 2005
NHMGZAR	See NHMG.	Guangxi Zhuang Autonomous Region	China		F&E
NKMC	National Kweiyang Medical College, Division of Biology, Kweiyang. Note: present status unknown.	Guizhou	China		F&E Kottelat 2013
ZMC	Zunyi Medical College, Department of Biology, Zunyi; also as ZMCZ	Guizhou	China		F&E
ZMCZ	See ZMC.	Guizhou	China		Kottelat 2012:13
HFRI	Heilongjiang River Fisheries Research Institute, Chinese Academy of Fishery Sciences, Harbin; also as HRFRI	Heilongjiang	China		Kottelat 2012:12
HRFRI	See HFRI.	Heilongjiang	China		http://www.cafs.ac.cn/english/map1-4.html
NMMH	North Manchurian Museum, Harbin, North East China [formerly Manchuria]	Heilongjiang	China	L85	F&E
HKFRS	Hong Kong Fisheries Research Station [formerly with University of Hong Kong, Department of Zoology (1952-1960)], Aberdeen	Hong Kong	China	L85	F&E
MSLH	Chinese University of Hong Kong, Department of Biology, Simon F. S. Li Marine Science Laboratory, Hong Kong	Hong Kong	China	L85	F&E
HACW	College of Fishery, Huazhong Agriculture Collection, Huazhong Agricultural University, Wuhan	Hubei	China		F&E Kottelat 2012:12
IHASW	See IHB.	Hubei	China		F&E Ferraris 2007
IHB	Museum for Aquatic Organisms, Institute of Hydrobiology, Chinese Academy of Sciences [formerly Institute of Zoology, Academia Sinica (in Shanghai until 1954), which evolved from Natural History Museum of Academia Sinica founded in Nanjing in 1930], Wuhan. current for fishes; also as IHASW, IHCAS	Hubei	China		F&E Tang et al. 2013
IHCAS	See IHB.	Hubei	China		F&E
FRIHP	Fisheries Research Institute, Changsha	Hunan	China		F&E
HNU	Hunan Normal University, Animal Museum, Changsha	Hunan	China		Wallach et al. 2014
FFRIJ	Freshwater Fisheries Research Institute of Jiangsu Province, Nanjing	Jiangsu	China		Kottelat 2012:12
JS	See FFRIJ.	Jiangsu	China		F&E
MMNHN	Nanjing Museum, Academia Sinica [Chinese Academy of Sciences], Nanjing. Formerly: Metropolitan Museum of Natural History.	Jiangsu	China		F&E Kottelat 2012:13, Kottelat 2013
NGI	See NIGLAS.	Jiangsu	China		F&E Kottelat 2012:13
NIG	See NIGLAS.	Jiangsu	China		F&E Kottelat 2013

NIGL	See NIGLAS.	Jiangsu	China		F&E
NIGLAS	Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences, Nanjing. Formerly: Academia Sinica, Geographic Institute of China (1940-1953). Obsolete as: NIG, NIGL, NGI.	Jiangsu	China		F&E
NRIBAS	National Research Institute of Biology, Academia Sinica [Chinese Academy of Sciences], Nanjing. Formerly: Museum of the Biological Laboratory of the Science Society of China (SSCN), established in 1922. Also as: SSCN.	Jiangsu	China		F&E Kottelat 2012:13
SSCN	See NRIBAS.	Jiangsu	China		F&E Kottelat 2012:13
DFI	Dalian Fisheries Institute [Liaoning Marine Fisheries Research Institute], Dalian Maritime University, Dalian	Liaoning	China		F&E
RIFFL	Research Institute of Freshwater Fisheries	Liaoning	China		F&E
NPIB	Northwest Plateau Institute of Biology, Chinese Academy of Sciences, Xining	Qinghai	China	L85	F&E Nguyen et al. 2009, Kottelat 2012:13
NWIPB	Northwest Institute of Plateau Biology, Chinese Academy of Sciences, Xining; current for fishes	Qinghai	China		Wang et al. 2016
IZSX	Institute of Zoology of Shanxi, Xi'an [Xian]	Shaanxi	China		Kottelat 2012:12
NCF	Department of Forest Insects, Northwest College of Forestry [presumably at Northwest University], Xi'an [Xian]	Shaanxi	China		Wallach et al. 2014
SNUIZ	Shaanxi Normal University, College of Life Sciences, Department of Zoology, Xi'an	Shaanxi	China		F&E
ASIO	Academia Sinica [Chinese Academy of Sciences], Institute of Oceanography, Qingdao	Shandong	China	L85	F&E Kottelat 2013
CAS	See ASIZB.	Shandong	China		Seah et al. 2015
FMIB	See ASIZB.	Shandong	China		F&E
IOCAS	Institute of Oceanology, Chinese Academy of Sciences [formerly Nanhai Oceanographic Institute], Qingdao; formerly ASIO, also as NOI	Shandong	China		F&E
IOZ	See ASIZB.	Shandong	China		Nguyen et al. 2013
IOZCAS	See ASIZB.	Shandong	China		Watanabe et al. 2002, Zhang et al. 2002, Bain et al. 2009
NOI	See IOCAS.	Shandong	China		F&E
OUC	Ocean University of China [Haida], Qingdao	Shandong	China		Kottelat 2013
ZMFIB	See ASIZB.	Shandong	China		Kottelat 2012:13
ZMFMIB	See ASIZB.	Shandong	China		F&E Ferraris 2007, Kottelat 2013
BDSSI	Laboratory of the Biology Department, Shanghai Science Institute, Shanghai. Note: present status unknown.	Shanghai	China		Kottelat 2013
DHFRI	Dong Hai [Donghai] Fishery Research Institute, Shanghai	Shanghai	China		F&E Kottelat 2013
DHFRI S	See DHFRI.	Shanghai	China		Davie 2002
ECSFI	East China Sea Fisheries Research Institute, Chinese Academy of Fishery Science (CAFS), Shanghai	Shanghai	China		F&E Kottelat 2013
FU	Fudan University, Department of Biology, Shanghai. Note: Wallach et al. listed FU as Fujian University, but applied FU to holotype of <i>Trimeresurus tibetanus</i> from Fudan University; Leviton et al. (1985) erroneously listed Fujian as province for Fudan University.	Shanghai	China	L85	Wallach et al. 2014
SFC	Shanghai Ocean University, Shanghai (SHOU, SOU). Formerly: Shanghai Fisheries College (SFC), 1952–1985, Shanghai Fisheries University (SFU), 1985–2008. Obsolete as: SFU. Current as: SFC.	Shanghai	China		F&E Motomura et al. 2001, Ho et al. 2013
SFU	See SFC.	Shanghai	China		F&E
SMNH	See SNHM.	Shanghai	China		David et al. 2007
SMNHC	See SNHM.	Shanghai	China		Wallach et al. 2014
SNHM	Shanghai Natural History Museum [est. 2007, formerly Xujiahui Museum (1868), Zhenan Museum (1933), Shanghai Museum of the Asiatic Society (1874), Shanghai Natural History Museum (1956), merged with Shanghai Science and Technology Museum (2001)], Jing'an, Shanghai; also as SMNH, SMNHC	Shanghai	China		F&E Wallach et al. 2014
SOU	See SFC.	Shanghai	China		Kottelat 2012:13
ZIAS	Zoological Institute, Academia Sinica, Shanghai	Shanghai	China	L85	
CIB	Academia Sinica [Chinese Academy of Sciences], Chengdu Institute of Biology, Chengdu. Formerly: Sichuan Biological Research Institute (SBRI). Obsolete as: CIS, SBRI, SERI, ZS (herps).	Sichuan	China	L85	F&E Nguyen et al. 2009
CIS	See CIB.	Sichuan	China		Wallach et al. 2014
CWNU	China West Normal University, Nanchong	Sichuan	China		Wallach et al. 2014

MSINR	Museum, Sichuan Provincial Natural Resources Research Institute, Chengdu	Sichuan	China		F&E Ferraris 2007, Kottelat 2012:12
SAUS	Sichuan Agricultural University, Life and Physical Science College, Chengdu	Sichuan	China		F&E
SBRI	See CIB.	Sichuan	China		Wallach et al. 2014
SCUM	Sichuan University Museum, Chengdu	Sichuan	China		Bain et al. 2009, Wallach et al. 2014
SERI	See CIB.	Sichuan	China		Wallach et al. 2014
SIBAC	Southwest Institute of Biology, Chengdu	Sichuan	China	L85	
SNC	Sichuan Normal University [formerly College], Chengdu	Sichuan	China		F&E
SPNRI	Sichuan Provincial Natural Resources Research Institute, Chengdu	Sichuan	China		F&E Ferraris 2007, Kottelat 2012:13
WCUUM	West China Union University, Museum, Chengdu	Sichuan	China	L85	
YBU	Yibin University, College of Life Science and Food Engineering, Yibin	Sichuan	China		Wallach et al. 2014, Guo et al. 2014
ZS	See CIB.	Sichuan	China		Nguyen et al. 2009
NUMZ	Nankai University, College of Environmental Science and Engineering, Department of Environmental Science, Museum of Zoology, Tianjin	Tianjin	China		F&E
TNZ	Tianjin Natural History Museum [formerly Musée Hoang-ho Pai-ho], Tianjin	Tianjin	China		F&E
FACQR	See FAQ.	Yunnan	China		Kottelat 2012:12
FAQ	Fisheries Administration of Qujing, Qujing	Yunnan	China		F&E
HRA	Heilongtan Reservoir Administration, Shilin County; also as RHLCY, RHS, HRSC, HRAS	Yunnan	China		F&E
HRAS	See HRA.	Yunnan	China		Kottelat 2012:12
KIZ	Kunming Institute of Zoology, Chinese Academy of Sciences, Kunming; current for fishes & herps	Yunnan	China	L85	F&E Nguyen et al. 2009, Nguyen et al. 2013
MSTFM	Middle School of the Third Factory Machinery, Luliang, Qujing	Yunnan	China		F&E
MZYU	See YU.	Yunnan	China		F&E
QAMS	Qujing Aquatic Management Station, Qujing; also as YQAMS	Yunnan	China		F&E
RHLCY	See HRA.	Yunnan	China		F&E
RHS	See HRA.	Yunnan	China		F&E
SWFC	Southwest Forestry University [formerly College], Museum of Zoology, Kunming; also as SWUF	Yunnan	China		F&E Kottelat 2012:13
SWUF	See SWFC	Yunnan	China		F&E
YNUK	Yunnan Normal University, Biology Department, Kunming; also as YU (obsolete)	Yunnan	China		Jäger & Yin 2001
YQAMS	See QAMS.	Yunnan	China		F&E
YU	Yunnan University, Department of Biology [formerly Private University of the Eastern Land (1922-1934)], Kunming; also as MZYU, YU; see also YNUK (separate institution)	Yunnan	China	L85	F&E Nguyen et al. 2009, Kottelat 2013
LFZFC	Laboratory of Fishes, Zhejiang Ocean University [formerly Zhejiang Fisheries College], Zhoushan [Chusan].	Zhejiang	China		Kottelat 2012:12
WLMH	West Lake Museum, Hangzhou	Zhejiang	China		F&E
ZMNH	Zhejiang Museum of Natural History, Hangzhou	Zhejiang	China		F&E Kottelat 2012:13
FDU	See FU.		China		Nguyen et al. 2009
CIACOL	Colección Ictiológica de la Amazonia Colombiana, Instituto Amazónico de investigaciones Científicas (SINCHI), Leticia	Amazonas	Colombia		Roa-Fuentes et al. 2010
CIUA	Colección de Ictiología del Instituto de Biología de la Universidad de Antioquia, Medellín; see MHUA for herps	Antioquia	Colombia		Agudelo-Zamora et al. 2009, Donald Taphorn pers. comm. 2010
CP-UCO	Colección de Peces Universidad Católica de Oriente, Rionegro	Antioquia	Colombia		Jaramillo-Villa et al. 2008
CSJ	Colegio de San José, Museo de Historia Natural, Medellín	Antioquia	Colombia	L85	Wallach et al. 2014
MHUA	Museo de Herpetología de la Universidad de Antioquia, Medellín; see CIUA for fishes	Antioquia	Colombia		Daza et al. 2009
CAR	Carlos A. Ardila Rodríguez private collection, Barranquilla	Atlántico	Colombia		F&E Netto-Ferreira et al. 2011, Vanegas-Ríos et al. 2013
CBB	Colegio Biffi La Salle, Barranquilla	Atlántico	Colombia		Wallach et al. 2014
CIP	Centro de Investigaciones Pesqueras, Cartagena	Bolívar	Colombia		F&E
IAVH	Instituto de Investigación de Recursos Biológicos Alexander von Humboldt, Villa de Leyva; also as IAvH-P, IAVHP (fishes)	Boyacá	Colombia		F&E
IAVHP	See IAVH.	Boyacá	Colombia		de Santana & Cox Fernandes 2012:283

MHNUC	Museo de Historia Natural de la Universidad de Cauca, Popayán; also as UCP (Leviton et al. 1988)	Cauca	Colombia		F&E
MMG	See MMGPE.	Cauca	Colombia		F&E
MMGPE	Museo Marino de la Isla de Gorgona [?Museo Payán], Gorgona; also as MMGPe & MMG	Cauca	Colombia		F&E Acero & Franke 1993
UCP	Museo de Historia Natural de la Universidad del Cauca, Popayán; also as MHNUC	Cauca	Colombia	L85	
ANDES	Museo de Historia Natural Andes, Departamento de Ciencias Biológicas, Universidad de los Andes, Bogotá; also as ANDES-A (amphibians), ANDES-R (non-avian reptiles) & ANDES-I (fishes); ULAB, assigned by Leviton et al. (1985), not adopted and considered obsolete	Distrito Capital	Colombia		Andrew J. Crawford, pers. comm. 2012
ICN	See ICNMHN.	Distrito Capital	Colombia		Londoño-Burbano et al. 2011
ICN-MHN	See ICNMHN.	Distrito Capital	Colombia		F&E
ICNMHN	Instituto de Ciencias Naturales, Museo de Historia Natural, Universidad Nacional de Colombia, Bogotá; current for fishes; also as ICNMNH (obsolete), ICN/MHN (fishes, obsolete), ICN-MHN and ICN	Distrito Capital	Colombia	L&G	F&E Ferraris 2007, Acero & Franke 1993, Vanegas-Ríos et al. 2013
ICNMNH	See ICNMHN.	Distrito Capital	Colombia	L85	L&G F&E
ILS	See MLS.	Distrito Capital	Colombia		Wallach et al. 2014
IND	Laboratoria de Fauna, Division de Fauna Terrestre, Instituto Nacional de Recursos Naturales Renovables y del Ambiente, Bogotá	Distrito Capital	Colombia	L&G	Wallach et al. 2014
INIGM	Instituto Nacional de Investigaciones Geológico-Mineras, Bogotá	Distrito Capital	Colombia		Wallach et al. 2014
MHN-UNC	See MHNUNC.	Distrito Capital	Colombia		F&E
MHNUNC	Departamento de Ictiología, Museo de Historia Natural, Departamento de Biología, Facultad de Ciencias, Universidad Nacional de Colombia, Bogotá; also as MHN-UNC	Distrito Capital	Colombia		F&E
MLS	Museo de Historia Natural [formerly del Instituto] de La Salle, Bogotá; original collection destroyed by fire 9–10 Apr 1948; also as ILS	Distrito Capital	Colombia	L85	Villa-Navarro et al. 2006, Ballen 2012, Wallach et al. 2014, Jiménez et al. 2015
MM	Museo del Mar, Bogotá	Distrito Capital	Colombia		F&E
MPUJ	Museo Javeriano de Historia Natural "Lorenzo Uribe, S.J.", Pontificia Universidad Javeriana, Bogotá; current for fishes; also as MUJ (current for mammals, entomology)	Distrito Capital	Colombia		F&E Ortega-Lara et al. 2011
MUJ	See MPUJ.	Distrito Capital	Colombia		http://www.biodiversitycollectionindex.org
UBJTL	Universidad de Bogotá Jorge Tadeo Lozano, Museo del Mar, Bogotá; also as UBJTLMM	Distrito Capital	Colombia		F&E
UBJTLMM	See UBJTL.	Distrito Capital	Colombia		Bogotá-Gregory & Maldonado-Ocampo 2006:56
ULAB	Universidad de Los Andes, Bogotá; considered obsolete, replaced by ANDES	Distrito Capital	Colombia	L85	
INV	See INVEMAR.	Magdalena	Colombia		Polanco Fernandez & Fernholm 2014
INVEMAR	Instituto de Investigaciones Marinas y Costeras "José Benito Vives de Andrés", Museo de Historia Natural Marina de Colombia, Punta Betín, Santa Marta. current as INVEMAR PEC (fishes; used for publications) and INV PEC (fishes; used for specimen labels and publications); also as INVEMAR-P, INVEMAR-PEC & INV-PEC (fishes)	Magdalena	Colombia	L85	F&E Smith-Vaniz 1980, Acero & Franke 1993, Mok et al. 2001, Caldas A. et al. 2009, Marцениuk et al. 2012, Andrea Polanco pers. comm. 2013
MHNMC	See INVEMAR.	Magdalena	Colombia		
CSJP	Colégio San José de Pamplona, Pamplona. Also as: SJP	Norte de Santander	Colombia		Wallach et al. 2014
SJP	See CSJP.	Norte de Santander	Colombia		Wallach et al. 2014
IUQ	Laboratorio de Ictiología, Departamento de Biología, Universidad del Quindío, Armenia; current for fishes	Quindío	Colombia		F&E Ferraris 2007, Taphorn et al. 2013
CAC-CDMB	Ichthyological Collection, Corporación Autónoma Regional para la Defensa de la Meseta de Bucaramanga (CDMB), Bucaramanga	Santander	Colombia		F&E
MCG	Museo del Colegio San José de Guanentá, San Gil	Santander	Colombia		Wallach et al. 2014
UIST	Universidad Industrial de Santander, Bucaramanga. Also as: UIS-T (fishes)	Santander	Colombia		F&E Castellanos-Morales 2008, Torres-Mejía et al. 2012, Vanegas-Ríos et al. 2013

CZUT-IC	Colección Zoológica, Facultad de Ciencias, Universidad del Tolima, Ictiología, Ibagué; current for fishes	Tolima	Colombia	F&E	Ballen 2012, Vanegas-Ríos et al. 2013
CIRUV	See UVA.	Valle del Cauca	Colombia	F&E	
ICMN	See IMCN.	Valle del Cauca	Colombia	F&E	de Santana & Maldonado-Ocampo 2005
IMCN	Museo de Ciencias Naturales Federico Carlos Lehmann Valencia, Instituto Vallecaucano de Investigaciones Científicas [also known as Instituto para la Investigación y Preservación del Patrimonio Cultural y Natural del Valle del Cauca (INCIVA)], Cali; current for fishes; incorrectly as ICMN in de Santana & Maldonado-Ocampo (2005:224)	Valle del Cauca	Colombia	F&E	Vanegas-Ríos et al. 2013, J.A. Vanegas-Ríos pers. comm. 2013, Jiménez-Pardo et al. 2015
UV	See UVC.	Valle del Cauca	Colombia	L85	F&E Wallach et al. 2014
UVC	Universidad del Valle, Departamento de Biología, Cali. Current as: UVC (herps). Obsolete as: CIRUV, UV	Valle del Cauca	Colombia		Sheil & Grant 2001, Wallach et al. 2014
CRH	Centre de Recherche en Hydrobiologie, Uvira [formerly country of Zaire]; Also as CRHU.		Congo (DRC)	F&E	
CRHU	See CRH.		Congo (DRC)	F&E	
ASL	Alejandro Solórzano private collection, Serpentario Nacional		Costa Rica		Daza et al. 2009
ICP	Instituto "Clodomiro Picado", University of Costa Rica, San José; also as MICP (herps)		Costa Rica		Daza et al. 2009
MICP	See ICP.		Costa Rica		Wallach et al. 2014
MNCR	Museo Nacional de Costa Rica, San José, San José		Costa Rica	L85	Wallach et al. 2014
UCR	Universidad de Costa Rica, Escuela de Biología, Museo de Zoología, Departamento de Biología, San Jose; current for herps & fishes		Costa Rica	L85	F&E Savage et al. 2013, Angulo & Gracian-Negrete 2013
LHUC	Laboratoire d'Hydrobiologie, UFR Biosciences, Université de Cocody, Abidjan		Côte d'Ivoire	F&E	
UACI	Universite Nationale de Cote d'Ivoire, Abidjan; replacement for UAIC (sensu Leviton et al. 1985)		Côte d'Ivoire	L&G	
UAIC	Universite Nationale de Cote d'Ivoire, Abidjan; obsolete, replaced by UACI (Leviton & Gibbs 1988)		Côte d'Ivoire	L85 L&G	
CNHM	Croatian Natural History Museum [Hrvatski prirodoslovni muzej], Zoology Department, Zagreb		Croatia	F&E	
CPZM	Croatian People's Zoological Museum, Zagreb; See HZM.		Croatia	L85	F&E
HZM	Croatian Natural History Museum [Hrvatski prirodoslovni muzej; formerly Croatian People's Zoological Museum], Zoology Department, Zagreb; also as CPZM		Croatia	F&E	
IOR	Institute of Oceanography and Fisheries, Split; current for fishes		Croatia		Dulčić & Dragičević 2014
PMF	See ZZSZ		Croatia	F&E	
PMR	Prirodoslovni muzej [alternatively Rijeka Museum of Natura History], Rijeka; current for fishes		Croatia	F&E	Kovačić & Bogorodsky 2013
ZIUZ	Zoological Institute, Sveučilište u Zagrebu [University of Zagreb], Zagrebu		Croatia	L85	
ZZSZ	Zoologijski zavod, Biološki odsjek, Prirodoslovno-matematički fakultet, Sveučilišta u Zagrebu [University of Zagreb], Zagreb; also as PMF		Croatia	F&E	
AFG	Ansel Fong G. private collection (herps); some herp specimens donated to MNHNCu		Cuba		Garrido & Hedges 2000
ANC	See IOH.		Cuba	F&E	
BSC.H	Herpetological Collection of Centro Oriental de Ecosistemas y Biodiversidad (BIOECO), Museo de Historia Natural "Tomás Romay", Santiago de Cuba; current for herps		Cuba		Díaz et al. 2005, Fong & Armas 2011
CTR	Charles T. Ramsden historical collection [held at CZACC]		Cuba		Wallach et al. 2014
CZACC	Colecciones Zoológicas de la Academia de Ciencias de Cuba, Instituto de Ecología y Sistemática (IES), Ministerio de Ciencia, Tecnología y Medio Ambiente [created in 1987 to house specimens formerly in Instituto de Zoología (IZ or IZAC) and its predecessor, Instituto de Biología (IB)]; includes Charles T. Ramsden historical collection (CTR)], La Habana; also as IES (herps) & IZAC (fishes); CZACC current for herps (IB & IZ specimens recataloged with new CZACC numbers) & presumably fishes		Cuba		Chamizo Lara et al. 2005
DZUH	Departamento de Zoología, Facultad de Ciencias Naturales y Exactas, Universidad de La Habana, La Habana		Cuba	F&E	
IB	See CZACC.		Cuba		Chamizo Lara et al. 2005

IES	See CZACC.	Cuba		Díaz et al. 2005, Chamizo Lara et al. 2005, Wallach et al. 2014
IOH	Instituto de Oceanología, Academia de Ciencias de Cuba [fish collection transferred to Colección de Peces del Acuario Nacional de Cuba (ANC) in 2005, but may retain IOH catalog numbers], La Habana	Cuba	L85	F&E Garrido et al. 2008
IZ	See CZACC.	Cuba		Chamizo Lara et al. 2005
IZAC	See CZACC.	Cuba	L85	F&E Wallach et al. 2014
MBZH	Museo y Biblioteca de Zoología, La Habana	Cuba	L85	
MFP	Museo Felipe Poey, La Habana; current for fishes	Cuba	L85	García-Machado et al. 2011
MHNNH	Museo de Historia Natural "Carlos de la Torre y Huerta", Holguín, Holguín; current for herps	Cuba		Díaz et al. 2005
MNHNCu	Museo Nacional de Historia Natural de Cuba, La Habana; also as MNHNCU; current for herps	Cuba		Díaz et al. 2005, Wallach et al. 2014
OHG	Personal collection of Orlando H. Garrido, La Habana (fishes & herps); some herps deposited at CZACC (formerly IB)	Cuba		F&E Garrido et al. 2008
CUP	Charles University, Faculty of Natural Sciences, Division of Hydrobiology and Ichthyology, Prague; also as DZCHU (current for herps), ZICU, ZICUP	Czech Republic	L85	F&E Böhme 2010
DB	See SGDB.	Czech Republic		Kvaček et al. 2004
DZCHU	See CUP.	Czech Republic		
LMB	Moravské zemské muzeum [Moravian Museum], Brně [Brno]	Czech Republic	L85	Wallach et al. 2014
MHP	See NMP.	Czech Republic		Jay Savage pers. comm. 2010
MMB	The Moravian Museum [alternatively Moravské Zemské Muzeum or Mährische Landesmuseum; formerly Mährisches Museum], Ministry of Culture of the Czech Republic, Brno	Czech Republic		F&E
MNHP	See NMP.	Czech Republic	L85	Wallach et al. 2014
NMP	Národní muzeum [National Museum], Prague. Current as: NMP (fishes and herps). Obsolete as: MHP, MNHP.	Czech Republic		Köhler & Güsten 2007, Böhme 2010, Mlíkovský et al. 2011, Bohlen et al. 2016
SGDB	Sbírký geologie Doly Bílina [Bílina Mines Geology Collection], Bílina Mine Headquarters, Bílina; current for paleo; also as DB (paleo fishes)	Czech Republic		Ivanov 2002, Wallach et al. 2014
ZICU	See CUP.	Czech Republic		Holčík & Hensel 1974
ZICUP	See CUP.	Czech Republic		F&E
IAPG	Institute of Animal Physiology and Genetics, Laboratory of Fish Genetics, Liběchov; current for fishes	Czech Republic		Bohlen & Šlechtová 2011
MBLC	Københavns Universitet [University of Copenhagen], Marine Biological Laboratory, Copenhagen	Denmark		Wallach et al. 2014
NHMA	Naturhistorisk Museum Aarhus, Århus [Aarhus]; current for all collections (fishes, herps, etc.)	Denmark		Hans Viborg Kristensen pers. comm. 2012
UZM	See ZMUC.	Denmark		Wallach et al. 2014
UZMK	See ZMUC.	Denmark		F&E Wallach et al. 2014
ZMUC	Københavns Universitet, Zoologisk Museum [Zoological Museum, University of Copenhagen], Vertebrater, Fiskesamlingen, Copenhagen; current for fishes & herps; also seen as UZM, UZMK (obsolete); see also MBLC	Denmark	L85	F&E Nguyen et al. 2009, Böhme 2010, Hans Viborg Kristensen pers. comm. 2011
DU	Zoology Department, University of Dhaka; current for fishes	Dhaka		Kullander et al. 2015
MNHNSD	Museo Nacional de Historia Natural, Santo Domingo	Dominican Republic	L85	F&E
CEMZ-P	Colección de peces de la Pontificia Universidad Católica del Ecuador Sede Esmeraldas, Esmeraldas	Ecuador		Jiménez-Pardo et al. 2015
CJ	Centro Jambatu de Investigación y Conservación de Anfibios, Fundación Otonga, Quito, Pichincha; current, amphibians only	Ecuador		Coloma et al. 2012, Luis Coloma pers. comm. 2013
DHMECN	See MECN.	Ecuador		Brito et al. 2014
EPN	See MEPN.	Ecuador	L85	F&E Böhme 2010, Wallach et al. 2014
FHGO	Fundación Herpetológica "Gustavo Orcés", Quito, Pichincha	Ecuador		Wallach et al. 2014
INHMT	Instituto Nacional de Higiene, Guayaquil, Guayas	Ecuador		Wallach et al. 2014
MECN	Museo Ecuatoriano de Ciencias Naturales, Quito, Pichincha; current for fishes; also as MECN-DP (fishes), DHMECN (current for herps)	Ecuador		Jiménez-Pardo et al. 2015
MECN-DP	See MECN.	Ecuador		Armbruster & Tan 2012

MEPN	Museo de Historia Natural "Gustavo Orcés V.", Instituto de Ciencias Biológicas de la Escuela Politécnica Nacional, Quito; current for fishes & herps; also as EPN (obsolete)		Ecuador			Ferraris 2007, Ana Almendariz pers. comm. 2013, Brito et al. 2014
MFCN-UG	See MUGT.		Ecuador			Jiménez-Pardo et al. 2015
MUGT	Museo de Ciencias Naturales, Universidad de Guayaquil [also as Colección de la Facultad de Ciencias Naturales de la Universidad de Guayaquil & University of Guayaquil's Natural History Museum], Guayaquil, Guayas; current for fishes; also as MFCN-UG, UG (fishes)		Ecuador			Aguirre et al. 2013, Jiménez-Pardo et al. 2015
MZUTI	Museo de Zoología, Universidad Tecnológica Indoamérica, Quito, Pichincha. Current as MZUTI (herps)		Ecuador			Coloma et al. 2012
QCAZ	Museo de Zoología, Pontificia Universidad Católica del Ecuador, Quito, Pichincha; current for herps		Ecuador			Böhme 2010, Coloma et al. 2012, Wallach et al. 2014
UG	See MUGT.		Ecuador			Jiménez-Pardo et al. 2015
Z00A	Colección Zoológica de la Universidad del Azuay, Cuenca, Azuay; current for fishes as Z00A.V.Pe.		Ecuador			Jiménez-Pardo et al. 2015
CGM	Egyptian Geological Museum, Cairo		Egypt			Mohabey et al. 2011, Wallach et al. 2014
MBSH	Marine Biological Station Hurgada [formerly Marine Biological Station Al-Ghardaqa], National Institute of Oceanography and Fisheries (NIOF), Hurgada		Egypt			F&E
MUHNES	Museo de Historia Natural de El Salvador, San Salvador		El Salvador			Daza et al. 2009
UMZC	University Museum of Zoology, University of Cambridge, Cambridge. Obsolete as: ZMC	Cambridgeshire	England, UK			F&E VertNet 2016
ZMC	See UMZC.	Cambridgeshire	England, UK			
KMAG	Keswick Museum and Art Gallery, Keswick	Cumbria	England, UK			F&E
HMG	Haslar Medical Museum, Royal Naval Hospital, Gosport; collections transferred to BMNH	Hampshire	England, UK			F&E
NOCS	See IOS.	Hampshire	England, UK			F&E
FPM	Museum of Natural History and Pathological Anatomy, Fort Pitt, Chatham; note collection moved to Netley Hospital in 1800s, no longer extant; also as AMSC.	Kent	England, UK			Wallach et al. 2014
LIV	World Museum, Liverpool; formerly Liverpool Museum; obsolete as LIVCM, WML	Merseyside	England, UK			
PHGM	Penlee House Gallery and Museum, Penzance; formerly Penzance Museum, Penzance Natural History and Antiquarian Society	Oxfordshire	England, UK			F&E
IOS	Institute of Oceanographic Sciences, Wormley, Godalming; includes Deacon Laboratory (IOSDL); merged into Southampton Oceanography Centre in 1996, renamed National Oceanography Centre, Southampton (NOCS), Natural Environment Research Council (NERC) in 2005.	Surrey	England, UK	L85		F&E
IOSDL	See IOS.	Surrey	England, UK			http://www.asih.org/codons.pdf
AMSC	See FPM.		England, UK			Wallach et al. 2014
BMNH	Natural History Museum [formerly British Museum (Natural History)], London; also as NHM, NHML; NHMUK is preferred abbreviation for specimen citation as of 1 Jan 2011.		England, UK	L85		F&E
HLM	Holophusikon, Leverian Museum (1775-1786), London, England; collection auctioned in 1806 and purchased by several museums, including NMW		England, UK			F&E
LDHRN	Natural History Department, Horniman Museum & Public Park Foundation, London		England, UK			http://www.asih.org/codons.pdf
LINN	The Linnean Society of London, London. Current as: LINN. Obsolete as: LS, LSL		England, UK			
LIVCM	See LIV.		England, UK	L85		Ferraris 2007
LS	See LINN.		England, UK	L85		F&E
LSL	See LINN.		England, UK			F&E Kottelat 2013
MAS	Malcolm A. Smith private collection, London		England, UK			Wallach et al. 2014
NERC	See IOS.		England, UK			
NHM	See BMNH.		England, UK			F&E Dunz et al. 2012:157
NHML	See BMNH.		England, UK			Caldwell et al. 2015
NHMUK	See BMNH.		England, UK			VertNet 2016
OUM	Oxford University Museum of Natural History, Zoology, Oxford University, Oxford		England, UK	L85		F&E
RCSL	Royal College of Surgeons, Hunterian Museum, London		England, UK			F&E
RCSM	Royal College of Surgeon's Museum, London		England, UK			Wallach et al. 2014
RNHG	Royal Naval Hospital Gillingham, Medical Museum, Chatham, London; Collection whereabouts unknown, probably donated in part to BMNH.		England, UK			F&E

RUSM	Royal United Service Museum, Royal United Services Institute, Whitehall, London; Collection whereabouts unknown, probably donated in part to BMNH	England, UK		F&E
UCFP	University of Cambridge, Faculty of Philosophy [alternatively Cambridge Philosophical Institute], Cambridge	England, UK		F&E
WML	See LIV.	England, UK		F&E Wallach et al. 2014
ZSL	Zoological Society of London, London; Collection whereabouts unknown, probably donated in part to BMNH	England, UK		F&E
Pi	Institute of Geology, Tallinn Technical University, Tallinn; current for paleo	Estonia		Mark-Kurik & Young 2003
AAU	Addis Ababa University, Department of Biology	Ethiopia	L85	
MA	Awash National Park	Ethiopia	L85	
NHMT	Natural History Museum, Tórshavn	Faroe Islands (Denmark)		Møller 2001
USP	University of the South Pacific, Institute of Applied Sciences [formerly Institute of Marine Resources], Suva	Fiji	L85	F&E
USPS	University of the South Pacific, Faculty of Science and Technology, School of Biological, Chemical and Environmental Sciences, Division of Biology, Suva	Fiji		F&E
MZH	Finnish Museum of Natural History, Zoological Museum, University of Helsinki, Helsinki	Finland		F&E Kottelat 2012:13
UAZM	Åbo Akademi University, Zoological Museum, Turku	Finland		F&E
BEV	Laboratoire de Biogéographie et écologie des vertébrés, École pratique des hautes études (EPHE), Université de Montpellier 2, Montpellier; current for herps (amphibians); see also USTL	France		Böhme 2010
BRT	See USTL.	France		Wallach et al. 2014
CJG	Private fish collection of Jacques Géry (1917–2007); some specimens deposited at ANSP, ZSM, MHNG	France		Neumann 2011
CW-C	Collection of Alexandre Westphal-Castelnaud de École Nationale Supérieure d'Agronomie de Montpellier, Montpellier, Hérault; herps now at MNHN (Paris)	France		Jay Savage pers. comm. 2010
IES	Institut H. E. Sauvage, Saint-Étienne-au-Mont, Pas-de-Calais; current for fishes	France		Randall et al. 2013
IFREMER	Institut Français de Recherche pour l'Exploitation de la Mer; fish types moved to MNHN (Paris) and La Rochelle.	France		F&E
ISTPM	Institut Français de Recherche pour l'Exploitation de la Mer (IFREMER) [formerly Institut Scientifique et Technique des Pêches Maritimes (1918-1984)], Nantes	France	L85	F&E
LBUM	Laboratoire de Biogéographie, Université de Montpellier, Montpellier	France		Köhler & Güsten 2007, Böhme 2010
LEMUR	Laboratoire d'Écologie Marine, Université de La Réunion, Saint-Denis, La Réunion	France		F&E
LMHN	See MHNL.	France		John Bruner pers. comm. 2015
LSNUI	Laboratoire des Sciences Naturelles, Université-Indochinoise, Hanoi, Vietnam; no longer extant, now in MNHN (Paris)	France		Wallach et al. 2014
MAN	Muséum-Aquarium de Nancy, Institut de Zoologie, Université de Nancy [formerly L'Ancienne Université, among others], Nancy; also as MZUVN, MZN	France		F&E
MG	See MHNL.	France	L85	F&E
MGF	Musée de Gannat, Gannat; also as Rh-E.F. (paleo)	France		Wallach et al. 2014
MGHNL	See MHNL.	France		F&E Kottelat 2012:13
MGL	See MHNL.	France		Böhme 2010
MH	Museo Humphrediano [also Humphredianis]; cited in Hermann (1804), perhaps in reference to private collection of Humphrey Waldo Sibthorp and/or his son John Sibthorp.	France		Wallach et al. 2014
MHNBX	Muséum d'histoire naturelle, Bordeaux	France		http://www.asih.org/codons.pdf
MHNL	musée des Confluences [formerly Musée d'Histoire Naturelle de Lyon (MHNL), preceded by Musée Guimet d'Histoire Naturelle de Lyon (MGL)], Lyon; also as MG, MGHNL (both obsolete), MGL (current for herps), LMHN (current for fossil fishes), MMC (current for herps)	France		Böhme 2010, John Bruner pers. comm. 2015, Wallach et al. 20214
MHNLR	Museum d'Histoire Naturelle, La Rochelle; also as MHNR (herps)	France	L85	F&E Ferraris 2007, Wallach et al. 2014
MHNMF	See MMNH.	France		Wallach et al. 2014
MHNNICE	Museum d'Histoire Naturelle de Nice, La Zoothèque, Vertébrés Marins, Nice	France		F&E
MHNR	See MHNL.	France		Wallach et al. 2014
MHNRUN	Muséum d'Histoire Naturelle, Saint-Denis; also as MHN RUN	France		F&E
MMB	Musée de la Mer, Biarritz	France	L85 L&G	

MMBR	Musée de la Mer [questionably synonymous with Musée national de la Marine], Brest, Finistère		France			Wallach et al. 2014
MMC	See MHNL.		France			Wallach et al. 2014
MMNH	Muséum d'histoire naturelle, Marseille; also as MHNMF (herps)		France	L85		
MNHN	Muséum national d'Histoire naturelle, Paris; also as MNHNP (amphibians), MNHN-ZA (osteological specimens of fishes, amphibians & reptiles); MNHN also currently used for Museo Nacional de Historia Natural, Montevideo, Uruguay		France	L85	F&E	Ivan Ineich pers. comm. 2010, Salvador Bailon pers. comm. 2010
MNHN-ZA	See MNHN.		France			Salvador Bailon pers. comm. 2010
MNHNP	See MNHN (Paris).		France			González-Fernández et al. 2009
MT	Musée de Toulouse, Toulouse, Haute-Garonne		France			Wallach et al. 2014
MZN	See MAN.		France		F&E	
MZS	See MZUS.		France		F&E	http://www.asih.org/codons.pdf
MZUS	Musée Zoologique de la ville de Strasbourg, Université de Strasbourg [includes formerly independent Université Louis-Pasteur], Strasbourg; includes natural history collections of Johann Hermann, purchased in 1802; partially destroyed in 1943-1944 during WWII; also as MZS		France	L85		Wallach et al. 2014
MZUVN	See MAN.		France		F&E	
ORSTOM	Institut de Recherche pour le Développement [formerly Office de la Recherche scientifique et Technique d'Outre-mer]; multiple collections including those in Nouméa, New Caledonia; Dakar, Senegal (IRD); Trinidad, Bolivia; some collections moved to MNHN		France		F&E	Wallach et al. 2014
Rh-E.F.	See MGF.		France			Wallach et al. 2014, Caldwell et al. 2015
UCBL	Université Claude Bernard Lyon 1, IFR 41 Bio Environnement et Santé, Lyon		France		F&E	
UPVI	Laboratoire de Paléontologie des Vertébrés, Université Paris VI, Paris, Ile-de-France		France			Wallach et al. 2014
USTL	Université Montpellier 2, Sciences et Techniques du Languedoc; partially destroyed in 1944 during World War II; also as BRT; see also BEV		France			Wallach et al. 2014
UAG	Centre Université de Antilles-Guyane, Laboratoire de Biologie et Physiologie Animales, Guadeloupe		French West Indies	L85		
IRET	Institut de Recherche en Écologie Tropical, CENAREST, Libreville		Gabon		F&E	
TMT	See ZMT.		Georgia			Wallach et al. 2014
ZIT	Zoological Institute, Grusian Academy of Sciences, Tbilisi; current for amphibians		Georgia	L85		Böhme 2010
ZMT	Simon Janashia Museum of Georgia [since 1947, incorporated into Georgian National Museum in 2004; includes collections of the Georgian Museum, preceded by the Museum of the Caucasian Department of the Russian Royal Geographic Society], Tbilisi [Tiflis]; also as TMT (herps)		Georgia	L85	F&E	Kottelat 2012:13, Wallach et al. 2014
GPIBO	See STIPB.	North Rhine-Westphalia	Germany			Wallach et al. 2014
IPB	See STIPB.	North Rhine-Westphalia	Germany			
PIUB	See STIPB.	North Rhine-Westphalia	Germany			Roček 1996, Wallach et al. 2014
STIPB	Steinmann-Institut für Geologie, Mineralogie und Paläontologie [Steinmann Institute for Mineralogy, Geology and Palaeontology], Rheinische Friedrich-Wilhelms-Universität Bonn [University of Bonn], Bonn. Founded: 2007. Formerly: Institut für Paläontologie Bonn (IPB), Geologisch-Paläontologisches Institut Bonn (GPIBO) and Goldfuß Museum [Goldfuss Museum]. Obsolete as: GPIBO, IPB, PIUB. Current as: STIPB (paleo).	North Rhine-Westphalia	Germany			Georg Heumann pers. comm. 2016
BAH	Biologische Anstalt Helgoland [formerly Königlich Biologische Anstalt Helgoland (1892-1918)], Helgoland		Germany	L85	F&E	
BGHan	Bundesanstalt für Geowissenschaften und Rohstoffe, Niedersächsisches Landesamt für Bodenforschung, Hanover [Hannover], Lower Saxonia; paleo (fishes)		Germany			Schultze & Arratia 2013:189
BMM-S	Bürgermeister-Müller-Museum, Solnhofen, Bavaria		Germany			Arratia & Schultze 2013:88
BSP	See BSPG.		Germany			Smith et al. 2006

BSPG	Bayerische Staatssammlung für Paläontologie und Geologie [Bavarian State Collection for Paleontology and Geology], München, Bavaria; current for herps & paleo; also as BSP	Germany			Arratia & Schultze 1990, Schneider et al. 2011:785, Schultze & Arratia 2013:189, Wallach et al. 2014
CETC	Collection de l'École technique (Realschule) de Cologne, Köln, Nordrhein-Westfalen	Germany			Jay Savage pers. comm. 2010
CPHR	Private collection of Herbert Rösler [to be deposited at ZMB], Dresden; current for herps	Germany			Köhler & Güsten 2007
CPN	Collection du Prince de Neuwied [A.P. Maximilian zu Wied-Neuwied], Wied [Hausen], Rheinland-Pfalz; herps now at AMNH	Germany			Jay Savage pers. comm. 2010
CTL	Private fish collection of Thomas Litz, Attenweiler; some specimens deposited at ZSM with ZSM catalog numbers	Germany			Neumann 2011
FSJF	Fischsammlung Jörg Freyhof [private collection], Berlin	Germany			F&E Kottelat 2012:12
GM	See MLU.	Germany			
GOE	Institut und Museum für Geologie und Paläontologie, Georg-August Universität, Göttingen, Lower Saxonia; also as GPI	Germany			Arratia & Schultze 1990
GPI	See GOE	Germany			http://www.dinohunter.info/html/museums.htm
HLM	Hessisches Landesmuseum, Darmstadt, Hessen; current for herps	Germany			Kammerer et al. 2005, Köhler & Güsten 2007, Nguyen et al. 2009, Böhme 2010
HLMW	See MWNH.	Germany			Joger 1993
IFM	See ZMK.	Germany			
IMUK	See ZMK.	Germany			Smith-Vaniz 1976
ISH	Johann Heinrich von Thünen-Institut (vTI), Bundesforschungsinstitut für Ländliche Räume, Wald und Fischerei, Institut für Seefischerei, Hamburg; collection now recataloged at ZMH	Germany	L85	F&E	
ISZZ	See ZMB.	Germany			F&E
JGF	J. G. Fischer private collection, Hamburg	Germany			Wallach et al. 2014
JM-E	See JME.	Germany			Arratia & Schultze 2013
JME	Jura-Museum Eichstätt [Staatliche Naturwissenschaftliche Sammlungen Bayerns], Willibaldsburg, Eichstätt, Bavaria; ETT indicates fossil from Upper Jurassic of Ettling, Moe indicates fossil from Mörsheim Formation, Tithonian Malm Zeta 3, SCHA indicates fossil from Upper Jurassic of Schamhaupten, SOS indicates fossil from Solnhofen Limestones	Germany			Schultze & Arratia 2013:189
KEWI	Private fish collection of Kai Erik Witte, Tübingen; some specimens deposited at ZSM with ZSM catalog numbers	Germany			Neumann 2011
KHMM	Kulturhistorisches Museum, Magdeburg, Saxony-Anhalt; also as MM (Museum für Naturkunde or Museum Magdeburg, current for amphibians)	Germany	L85	F&E	Böhme 2010
KIEL	See ZMK.	Germany			F&E
LfU	Geologische Sammlung, Landesamt für Umwelt, München [Munich], Bavaria	Germany			Schneider et al. 2011
LM	Naturkundemuseum Leipzig [formerly Leipzig Museum], Leipzig, Sachsen; partially destroyed during WWII; also as NML (fishes) and MLEP (herps)	Germany			Wallach et al. 2014
LMNMO	Herpetological Collection, Landesmuseum für Natur und Mensch, Oldenburg	Germany			Wallach et al. 2014
LNHM	See MNUL.	Germany			Wallach et al. 2014
LNK	Landessammlungen für Naturkunde Karlsruhe; now Staatliche Museum für Naturkunde Karlsruhe (SMNK)	Germany	L85		
MAK	Museum A. Koenig (personal collection)	Germany			F&E
MB	Museo Blochiano [Marcus E. Bloch private collection], Berlin; no longer extant, now ZMB	Germany			Wallach et al. 2014
MB	See ZMB.	Germany			Arratia & Schultze 2013:88
MB f.	See ZMB.	Germany			Schultze & Arratia 2013:189
MFB	Adelhausermuseum für Naturkunde und Völkerkunde, Freiburg, Baden-Württemberg	Germany			Jay Savage pers. comm. 2010
MG	Museum Gießen [Giessen], Gießen, Hessen	Germany			Jay Savage pers. comm. 2010, Peter Uetz pers. comm. 2014
MGH	Museum Godeffroy (1861-1885), Hamburg; Collections sold to various museums, e.g. ZMH, BMNH, SMNS	Germany			F&E
MHMZ	Naturhistorische Museum Mainz, Rheinland-Pfalz	Germany			Jay Savage pers. comm. 2010

MJU	Museo Jenensis Universitatis (no longer extant)	Germany			Wallach et al. 2014
MLEP	See LM.	Germany			Jay Savage pers. comm. 2010
MLH	Museum Lampianum, Hanover [Hannover], Lower Saxonia; no longer extant, now ZPW	Germany			Wallach et al. 2014
MLU	Martin-Luther-Universität Halle-Wittenberg, Institut für Zoologie und Zoologische Sammlungen [also known as Zoologisches Museum, Universität Halle (ZMUH)], Saxony-Anhalt; also as ZIH (amphibians), GM, ZMUH (both reptiles)	Germany	L85		Böhme 2010, Wallach et al. 2014
MM	See KHMM.	Germany			Köhler & Güsten 2007, Böhme 2010
MMG	Museum für Mineralogie und Geologie, Senckenberg Naturhistorische Sammlungen [formerly Königliches Naturalienkabinett], Dresden; includes collection of Gustav Freiherr von Stockheim which includes fossils formerly known as Ortenburger Kreide; paleo	Germany			Schneider et al. 2011
MNS	See SMNS.	Germany			F&E
MNUL	Museum für Natur und Umwelt, Lübecker Museen [also known as Lübek Museum; original museum destroyed 28 Mar 1942 during WWII], Hansestadt Lübeck, Schleswig-Holstein; also as LNHM (herps)	Germany			F&E
MTD	See MTKD.	Germany			F&E Nguyen et al. 2010, Böhme 2010, García-Dávila et al. 2013
MTH	Münchner Tierpark Hellabrunn A.G., München, Bayern; Old collection destroyed in 1944	Germany			F&E Wallach et al. 2014
MTKD	Museum für Tierkunde, Senckenberg Naturhistorische Sammlungen [Staatliche Naturhistorische Sammlungen], Dresden, Saxony; partially destroyed 13 Feb 1945 during World War II; also as MTD & MTD F (fishes)	Germany	L85		F&E Köhler & Güsten 2007, Nguyen et al. 2009, Böhme 2010, Valdesalici & van der Voort 2015
MW	See MWNH.	Germany			F&E
MWNH	Museum Wiesbaden, Naturhistorische Sammlungen [formerly listed as SMW, Staatliches Museum, Wiesbaden, in Leviton et al. (1985); name changed to Naturwissenschaftliche Sammlung, Museum Wiesbaden, in Leviton & Gibbs (1988)]; partially destroyed during World War II, but some types survived; current for herps; also as SMW (obsolete?), HLMW, NMSW & NSMW, NWNH (all herps)	Germany			Köhler & Güsten 2007, Köhler 2009:57, Wallach et al. 2014
NMB	Naturkundemuseum Bamberg, Bamberg, Bayern	Germany			Jay Savage pers. comm. 2010
NMB	See SNHMB.	Germany			F&E Böhme 2010, Wallach et al. 2014
NMH	Naturhistorisches Museum zu Hamburg; replaced by ZMH, Zoological Museum Hamburg	Germany			F&E
NML	Naturkundemuseum Leipzig, Leipzig, Sachsen; also as LM (herps)	Germany			F&E
NMSA	Naturmuseum de Stadt Augsburg, Bayern	Germany			Jay Savage pers. comm. 2010
NMSW	See MWNH.	Germany			Wallach et al. 2014
NSMW	See MWNH.	Germany			Jay Savage pers. comm. 2010
NWNH	See MWNH.	Germany			Wallach et al. 2014
Pi	Paläontologische Sammlung, Eberhard Karls Universität Tübingen, Tübingen, Baden-Württemberg; paleo collections to be transferred to SMF; see also ZST (herps)	Germany			Schultze & Arratia 2013:189 [mistakenly as Georg-August-Universität, Gloria Arratia pers. comm. 2013]
PMJ	Phyletic Museum, Jena, Thuringia; current for fishes	Germany			Konstantinidis et al. 2016
SenkM	See SMF.	Germany			Arratia & Schultze 2013:88
SMF	Senckenberg Forschungsinstitut und Naturmuseum [alternatively Senckenberg Research Institute and Natural History Museum], Frankfurt am Main, Hesse; current for fishes; also as SenkM (paleo)	Germany	L85	F&E	Köhler & Güsten 2007, Gill et al. 2013, Wallach et al. 2014
SMNK	Staatliches Museum für Naturkunde, Karlsruhe [Karlsruher Naturkundemuseum], Karlsruhe; formerly Landessammlungen für Naturkunde Karlsruhe (LNK)	Germany			Wallach et al. 2014
SMNS	Staatliches Museum für Naturkunde, Stuttgart, Baden-Württemberg; current for fishes; also as MNS	Germany	L85	F&E	Jay Savage pers. comm. 2010, Randall et al. 2013, Wallach et al. 2014
SMW	See MWNH.	Germany	L85	L&G	
SNHM	See SNHMB.	Germany			Böhme 2010

SNHMB	Staatliches Naturhistorisches Museum [formerly Herzogliches Naturhistorisches Museum (1857-1918)], Braunschweig; formerly NMB, also as SNHM (amphibians), SNMBR, SNMB (abbreviation occupied)	Germany	L&G	Böhme 2010, Wallach et al. 2014
SNMBR	See SNHMB.	Germany		F&E
SoS	See JM.	Germany		Arratia & Schultze 1990
SPLUE	Paläontologische Sammlung, Friedrich-Alexander-Universität Erlangen-Nürnberg, Bavaria	Germany		Wallach et al. 2014
SUB	Rheinische Friedrich-Wilhelms-Universität Bonn, [University of Bonn], Institut für Zoologie, Sammlung der Universität, Bonn, North Rhine-Westphalia; see also GPIBO (paleo)	Germany	L85	F&E
TIMGP	Institut und Museum für Geologie und Paläontologie der Universität, Tübingen	Germany		John Bruner pers. comm. 2015
TUB	Technischen Universität Berlin [Technical University of Berlin], Berlin	Germany		Wallach et al. 2014
UFR	Albert-Ludwigs-Universität Freiburg, Freiburg, Baden-Württemberg	Germany		Jay Savage pers. comm. 2010
ULIZ	Universität Leipzig, Institut für Zoologie, Zoologische Lehrsammlung, Leipzig, Sachsen	Germany		F&E
UMB	Überseemuseum [formerly Gesellschaft Museum (1783-1896); Städtisches Museum für Natur-, Völker- und Handelskunde (1896-1951)], Bremen	Germany	L85	F&E
UTZI	Eberhard-Karls-Universität Tübingen, Fakultät für Biologie, Zoologisches Institut, Tübingen, Baden-Württemberg	Germany		F&E
ZFMK	Zoologisches Forschungsmuseum Alexander Koenig [also as Zoologisches Forschungsinstitut und Museum Alexander Koenig affiliated with University of Bonn] Alexander Koenig, Bonn, North Rhine-Westphalia; current for fishes & herps; also as SUB	Germany	L85	Ursula Bott & Wolfgang Böhme pers. comm. 2010, Nguyen et al. 2013
ZIDTU	Zoologisches Institut, Dresden Technical University, Dresden	Germany	L85	
ZIH	See MLU.	Germany		Böhme 2010
ZIM	See ZMH.	Germany		F&E
ZIS	Universität des Saarlandes, Saarbrücken	Germany	L85	
ZIUG	Zoologisches Museum, Johann-Friedrich-Blumenbach-Institut für Zoologie und Anthropologie, Georg-August-Universität Göttingen, Göttingen, Bundesland; also as ZMG	Germany		Jay Savage pers. comm. 2010
ZMB	Museum für Naturkunde [formerly Zoologischen Museum], Leibniz-Institut für Evolutions- und Biodiversitätsforschung an der Humboldt-Universität, Berlin; ZMB current for fishes and herps; also as ISZZ, ZMHU, ZMBP (paleo), MB (fossils) & MB f. (fossils)	Germany	L85	F&E Böhme 2010, Mark-Oliver Rödel pers. comm. 2010
ZMBP	See ZMB.	Germany		Wallach et al. 2014
ZMG	See ZIUG.	Germany		Wallach et al. 2014
ZMH	Zoological Museum Hamburg [Biozentrum Grindel und Zoologisches Museum; formerly Zoologisches Institut und Museum], Universität Hamburg, Hamburg; partially destroyed in Jul 1943 during WWII; current for fishes & herps (amphibians); also as NMH, ZIM	Germany	L85	F&E Köhler & Güsten 2007, Nguyen et al. 2009, Böhme 2010, Polgar et al. 2013, Wallach et al. 2014
ZMHU	See ZMB.	Germany		F&E
ZMK	Zoologische Museum der Christian-Albrechts-Universität zu Kiel [University of Kiel], Schleswig-Holstein; associated with GEOMAR Helmholtz Centre for Ocean Research [formerly Leibniz Institute of Marine Sciences est. 2004 via merger of Institut für Meereskunde an der Universität Kiel (IFM, IMUK) and Research Center for Marine Geosciences (GEOMAR)]; also as KIEL	Germany		
ZMUH	Zoologisches Museum, Universität Halle; partially destroyed in 31 Mar-5 Apr 1945 during WWII; see MLU	Germany		Wallach et al. 2014
ZMUH	Zoologisches Museum der Universität Heidelberg, Heidelberg, Baden-Württemberg	Germany		Jay Savage pers. comm. 2010
ZPLMU	Zoologische Präparatesammlung der Ludwig-Maximilians-Universität München; fishes "imprudently discarded", however some transferred to ZMU.	Germany		Neumann 2011
ZSM	Zoologische Staatssammlung München, München [Munich]. Alternatively: Bavarian State Collection of Zoology. Formerly: Zoologisches Sammlung des Bayerischen Staates. Includes: fishes from NMW (Kähsbauer Donation) and from Zoologische Präparatesammlung der Ludwig-Maximilians-Universität München (ZPLMU) as part of ZSM Old Collection, partially destroyed during WWII, 24-25 Apr 1944 & 11 Apr 1945; holotype of <i>Diaphorolepis wagneri</i> from "Museum of Monaco" (MM). Current as: ZSM (fishes & herps).	Germany	L85	F&E Köhler & Güsten 2007, Böhme 2010, Wallach et al. 2014

ZSM/CMK	Private fish collection of Maurice Kottelat in ZSM; fishes published as ZSM/CMK were never intended for final deposition at ZSM and were never part of ZSM collection; ZSM/CMK considered obsolete, replaced by CMK.	Germany		Neumann 2011
ZSM/LIPI	Abbreviation introduced by Maurice Kottelat (1990) to identify type material that was temporarily stored at ZSM, but which was intended for later exchange and final deposition in an Indonesian institution; ZSM/LIPI material is not traceable in ZSM and never transferred to LIPI in Bogor, but may be available at ZRC; ZSM/LIPI considered obsolete as it does not refer to specimens physically available at ZSM or LIPI	Germany		F&E Neumann 2011
ZST	Zoologische Sammlung, Eberhard Karls Universität Tübingen, Tübingen, Baden-Württemberg; see also Pi (paleo)	Germany		Jay Savage pers. comm. 2010
UGA	University of Ghana, Accra, Legon	Ghana	L85	
DZAUT	See LZUT.	Greece		F&E Kottelat 2012:12
GNHM	The Goulandris Natural History Museum, Kifissia; current for fishes & herps	Greece		Maria Dimaki pers. comm. 2013
HCMR	Hellenic Centre for Marine Research, Athens	Greece		F&E
IOAKE	Institute of Oceanographic & Fisheries Research, Athens	Greece	L85	
LZUT	Laboratory of Zoology, Aristotle University of Thessaloniki; also as DZAUT	Greece	L85	F&E
MZUA	Zoological Museum, University of Athens, Athens	Greece	L85	
MZUTH	Museum of Zoology, Aristotle University, Thessaloniki; also as ZMUT (abbreviation occupied)	Greece		F&E
NCMR	Hellenic [formerly National] Centre for Marine Research, Institute of Inland Waters, Anavyssos	Greece		F&E
NHMAS	Natural History Museum of the Aegean, Paleontological Museum of Mitilini of Samos, Konstantinos and Maria Zimalis Foundation, Mitilini, Samos	Greece		Maria Dimaki pers. comm. 2013
GNMG	Grenada National Museum [formerly Museum of Georgetown], St. George's [formerly Georgetown]	Grenada		F&E
UGM	University of Guam [Unibetsedat Guahan], College of Natural and Applied Sciences, Western Pacific Tropical Research Center [formerly Marine Laboratory], Mangilao; also as UTIO, UTIO-F	Guam	L85	F&E
UTIO-F	See UGM.	Guam		Ho & Shao 2011
USAC	Museo de Historia Natural, Escuela de Biología, Universidad de San Carlos de Guatemala, Ciudad de Guatemala	Guatemala		David B. Wake pers. comm. 2010, VertNet 2016
UVG	Universidad del Valle, Ciudad de Guatemala	Guatemala	L85	Wallach et al. 2014
CSBD	See UG/CSBD.	Guyana		Wake & Donnelly 2010, Valdesalici & García Gil 2015
CSBD/UG	See UG/CSBD.	Guyana		Stewart 2013
HA	See UG/CSBD.	Guyana		Noonan & Bonett 2003
UG	See UG/CSBD.	Guyana		F&E
UG/CSBD	University of Guyana, Center for the Study of Biological Diversity, Georgetown; current for fishes; also as HA or CSBD no. HA (herps), UG, CSBD/UG	Guyana		Ferraris 2007
UNAH	Universidad Nacional Autónoma, Departamento de Biología, Ciudad Universitaria, Tegucigalpa	Honduras	L85	
GIH	Geological Institute of Hungary, Geological Museum, Budapest; also as HGIM, MHGI, MNGL	Hungary		Pálffy 2009, Wallach et al. 2014
HGIM	See GIH.	Hungary		Wallach et al. 2014
HNHM	Hungarian Natural History Museum [Magyar Természettudományi Múzeum; formerly part of the Hungarian National Museum (HNM) or Magyar Nemzeti Múzeum; also as Musei Nationalis Hungarici/Musée National Hongrois (MNH)], Budapest; also as MNH, MNSB (both obsolete); see also PG-HNHM (paleo)	Hungary		Balazs Farkas pers. comm. 2010, http://actazool.nhmus.hu/
HNM	See HNHM.	Hungary		Pálffy 2009
MHGI	See GIH.	Hungary		Wallach et al. 2014
MNGL	See GIH.	Hungary		Wallach et al. 2014
MNH	See HNHM.	Hungary	L85	F&E Kottelat 2012:13
MNSB	See HNHM.	Hungary		F&E Ferraris 2007
PG-HNHM	Department of Paleontology and Geology, Hungarian Natural History Museum, Budapest; includes material donated by GIH and Eötvös University, Budapest; see also HNHM	Hungary		Pálffy 2009
HAF	Hafrannsóknastofnun [Marine Research Institute of Iceland], Reykjavik; also as MRII (obsolete)	Iceland		F&E Møller et al. 2005

IMNH	Iceland Museum of Natural History, Reykjavik; See also NHMI	Iceland		F&E	http://www.asih.org/codons.pdf
MRII	See HAF.	Iceland		F&E	Møller 2001
NHMR	Museum of Natural History, Institute of Natural History, Reykjavik; also as IMNH	Iceland	L85	F&E	
MDZAU	Museum Department of Zoology, Faculty of Science, Andhra University, Visakhapatnam	Andhra Pradesh	India	F&E	
ZMAU	Zoological Museum, Faculty of Science, Andhra University, Visakhapatnam	Andhra Pradesh	India	F&E	Kottelat 2013
APFS/ZSI	See ZSI/APRC.	Arunachal Pradesh	India	F&E	
RGUMF	Rajiv Gandhi University Museum of Fishes, Rono Hills, Doimukh, Itanagar. Current as: RGUMF (fishes)	Arunachal Pradesh	India	F&E	Darshan et al. 2011, Ng. et al. 2013, Tamang & Sinha 2014
ZSI-APRC	Zoological Survey of India, Arunachal Pradesh Regional Centre [formerly Field or Regional Station], New Itanagar. Obsolete as: APRC, ZSI/APFS, APFS/ZSI, ZSI-APRS.	Arunachal Pradesh	India		Ng et al. 2013
ZSI-APRS	See ZSI-APRC.	Arunachal Pradesh	India		Nebeshwar & Wishwanath 2013:100
ZSI/APFS	See ZSI-APRC.	Arunachal Pradesh	India	F&E	http://zsienvs.nic.in/rc.htm
F/GUZ	See GUZ.	Assam	India	F&E	Ferraris 2007
GUMF	Guwahati University Museum of Fish, Jalukbari	Assam	India	F&E	
GUZ	Gauhati University, Department of Zoology, Fish Biology and Fishery Science Laboratory, Guwahati. Also as: F/GUZ.	Assam	India	F&E	Kottelat 2013
TMBU	Tilkamanjhi Bhagalpur University, Department of Zoology Museum, Bhagalpur	Bihar	India	F&E	Kottelat 2013
JU	Department of Geology, University of Jammu	Jammu	India		Wallach et al. 2014
DAVK	DAV College, Zoology Department, Museum, Kanpur [Cawnpore]	Kanpur	India	F&E	
CCB	Central College, Department of Zoology, Faculty of Science, Bangalore University [includes Central Inland Fisheries Tank Fisheries Unit], Bengaluru [Bangalore]	Karnataka	India	L85	F&E
CMA	M. Arunachalam Personal Collection (fishes)	Karnataka	India	F&E	Arunachalam & Nandagopal 2014
CMLRE	Centre for Marine Living Resources & Ecology, Government Ministry of Earth Sciences, Kochi.	Kerala	India		Ho et al. 2016
CRG-SAC	Conservation Research Group Collection, St. Albert's College, Kochi. Current as: CRG-SAC (fishes)	Kerala	India		Britz et al. 2012, Katwate et al. 2014
CUSAT	Museum of M.E.S. Ponnani College [also as Department of Marine Biology], Cochin University of Science and Technology; see also NBFGR	Kerala	India		Ng et al. 2013, Lundberg et al. 2014:3
IFP	Integrated Fisheries Project, Museum of Marine Resources [formerly Museum Ocean Laboratory], Government of India, Kochi	Kerala	India	F&E	
KFRI	Kerala Forest Research Institute, Peechi	Kerala	India	F&E	Kottelat 2012:12
NBFGR	Museum of the Department of Marine Biology, Microbiology and Biochemistry, School of Marine Sciences of Cochin University of Science and Technology, Kochi National Bureau of Fish Genetic Resources, Kochi Unit, CMFRI Campus, Kochi. see also CUSAT	Kerala	India		Ho et al. 2016
WGRS	See ZSI-WGRC.	Kerala	India	F&E	
WGRS/ZSI	See ZSI-WGRC.	Kerala	India	F&E	
ZMCC	Zoology Museum, Christ College, Irinjalakuda. collection code ZMCC F for fishes	Kerala	India		Vincent & Thomas 2011
ZSI-WGRC	Zoological Survey of India, Western Ghats Regional Centre [formerly Station], Kozhikode [Calicut]. Current as: ZSI-WGRC (fishes and herps). Obsolete as: ZSI/CLT [Calicut Station], ZSI/WGFR, ZSI/WGFRS, ZSI/WGRS	Kerala	India		Zachariah et al. 2011, Plamoottil 2014
ZSI-WRC	Zoological Survey of India, Western Regional Centre, Pune, Maharashtra. Note: unregistered fishes from the old Bombay Natural History Society (BNHS) collection currently housed at ZSI-WRC, but not cataloged or registered into ZSI-WRC collection as of 2014. Current as: ZSI-WRC	Kerala	India		Raghavan et al. 2013, Unmesh Katwate pers. comm. 2014
ZSI/CLT	See ZSI-WGRC.	Kerala	India		Gopi 2001, Radhakrishnan et al. 2007, Gower et al. 2013
ZSI/WGFR	See ZSI-WGRC.	Kerala	India	F&E	
ZSI/WGFRS	See ZSI-WGRC.	Kerala	India		K.V. Gururaja et al. 2007
ZSI/WGRS	See ZSI-WGRC.	Kerala	India		Vincent & Thomas 2011, Kottelat 2012:13, Ng. et al. 2013
CRS-ZSI	See ZSI-CRC.	Madhya Pradesh	India	F&E	

ZSI-CRC	Zoological Survey of India, Central Regional Centre [formerly Station], Jabalpur. Obsolete as: ZSI-CRS. Current as: ZSI-CRC.	Madhya Pradesh	India			
ZSI-CRS	See ZSI-CRC.	Madhya Pradesh	India			
BNHM	See BNHS.	Maharashtra	India	L85	F&E	David & Vogel 1998
BNHS	Bombay Natural History Society, Mumbai [Bombay]. Note: unregistered fishes from old BNHS collection transferred to ZSI-WRC. Obsolete as: BNHM. Current as: BNHS FWF (fishes), BNHS (herps).	Maharashtra	India			Katwate et al. 2014, Peter Uetz pers. comm. 2014, Unmesh Katwate pers. comm. 2014
BNHS FWF	See BNHS.	Maharashtra	India			Katwate et al. 2014
IBSD	Institute of Bioresources and Sustainable Development, Ministry of Science and Technology, Government of India, Takyelpat, Imphal	Manipur	India		F&E	
MUFM	See MUMF.	Manipur	India		F&E	
MUMF	Manipur University Museum of Fishes, Chanchipur. Also as: MUFM (obsolete for fishes), MUMF-Per 95 (W. Vishwanath personal collection)	Manipur	India		F&E	Darshan et al. 2011, Kottelat 2012:13
MZMLC	Museum of Zoology, Mayai Lambi College, Yumnam Huidrom	Manipur	India		F&E	
RCMMF	Research Centre Manipur Museum of Fishes, Imphal	Manipur	India			Geetakumari & Basudha 2012
ERS/ZSI	See ZSI-ERC.	Meghalaya	India		F&E	
V/A/ERS	See ZSI-ERC.	Meghalaya	India		F&E	
ZSI-ERC	Zoological Survey of India, Eastern Regional Centre [formerly Station], Shillong. Current as: ZSI-ERS (fishes and herps). Obsolete as: ERS/ZSI, V/A/ERS, ZSI/ERS.	Meghalaya	India			David et al. 2007, Kottelat 2012:13, Das et al. 2013
ZSI/ERS	See ZSI-ERC.	Meghalaya	India			
PUCMF	Pachhunga University College Museum of Fishes, Aizawl	Mizoram	India			Ng & Lalramliana 2012, Ng et al. 2013
KSC	Kohima Science College, Kohima	Nagaland	India			David et al. 2007
NMND	National Museum of Natural History, New Delhi; replacement for NMNH (sensu Leviton et al. 1985); destroyed by fire 26 April 2015	New Delhi	India		L&G	
NMNH	See NMND.	New Delhi	India	L85	L&G F&E	
BSRM	Marine Biological Station at Porto Novo, Reference Museum, Annamalai University, Chidambaram	Tamil Nadu	India		F&E	
FCRM	Fisheries College and Research Institute, Museum, Tamil Nadu Veterinary and Animal Sciences University [formerly Agricultural School; Madras Veterinary College], Thoothukudi [Tuticorin]	Tamil Nadu	India		F&E	
MAD	Madras Museum, Madras. Current as: MAD (herps)	Tamil Nadu	India	L85	L&G	Smith et al. 2008
MGM	Madras Government Museum, Egmore, Chennai	Tamil Nadu	India			Wallach et al. 2014
MKC	private collection of J. D. Marcus Knight [to be deposited at ZSI/SRC]; current for fishes	Tamil Nadu	India			Knight et al. 2013, Marcus Knight pers. comm. 2016
MSP	Madras Snake Park Trust, Mamallapuram	Tamil Nadu	India	L85	L&G	Wallach et al. 2014
MSUMNH	Sri Paramakalyani Centre for Environmental Sciences, Manonmaniam Sundaranar University Museum of Natural History, Alwarkurichi. current for fishes; also as SPKCES	Tamil Nadu	India		F&E	Arunachalam & Nandagopal 2014
SACON	Sálim Ali Centre for Ornithology and Natural History, Coimbatore	Tamil Nadu	India		F&E	Manimekalan & Das 1998
SPKCES	See MSUMNH	Tamil Nadu	India		F&E	
SRC-ZSI	See ZSI-SRC.	Tamil Nadu	India			Ali et al. 2014
SRS/ZSI	See ZSI-SRC.	Tamil Nadu	India		F&E	Ferraris 2007
WILD	Wildlife Information Liaison Development Society, Coimbatore [Kovai]. Current as: WILD (fishes). Note: cited as code, two-digit year of registration, abbreviation for Pisces and catalog number (e.g., WILD-15-PIS-123).	Tamil Nadu	India			Katwate et al. 2014, Katwate pers. comm. 2014
ZSI-SRC	Zoological Survey of India, Southern Regional Centre [formerly Station], Chennai. Current for fishes as ZSI/SRC F; Obsolete as: SRC-ZSI, SRS/ZSI, ZSI-SRS, ZSI/SRS, ZSIC.	Tamil Nadu	India		F&E	Pramod et al. 2010, Marcus Knight pers. comm. 2016
ZSI/SRS	See ZSI-SRC.	Tamil Nadu	India			Ferraris 2007, Arunachalam & Nandagopal 2014
ZSIC	See ZSI-SRC and ZSI.	Tamil Nadu	India			Wallach et al. 2014
CMFRI	See FMRI.	Uttar Pradesh	India		F&E	
DDUGU	Deen Dayal Upadhyay Gorakhpur University, Faculty of Science, Department of Zoology, Zoological Museum, Gorakhpur	Uttar Pradesh	India		F&E	
FM	Faizabad Museum, Faizabad	Uttar Pradesh	India			Wallach et al. 2014
FMRI	Central Marine Fisheries Research Institute, Regional Centre, Mandapam Camp. Also as: CMFRI	Uttar Pradesh	India	L85	L&G F&E	

LUGD	See LUVP.	Uttar Pradesh	India			Kroh 2010
LUVP	Vertebrate Paleontology Laboratory, Geology Department, Lucknow University, Lucknow. Also as: LUGD	Uttar Pradesh	India			Ferraris 2007
ULM	University of Lucknow Museums, Lucknow	Uttar Pradesh	India	L85		
ZM	Zoological Museum, Kanpur	Uttar Pradesh	India			Wallach et al. 2014
GU/RSR/VAS	Vastan Lignite Mine collection of R.S. Rana, Hemwati Nandan Bahuguna Garhwal University, Department of Geology, Srinagar. Obsolete as: VAS.	Uttarakhand	India			Wallach et al. 2014
IITR	Indian Institute of Technology [est. 2001, formerly University of Roorkee (RUSB)], Department of Earth Sciences, Vertebrate Paleontology Laboratory, Roorkee. Also as: RUSB	Uttarakhand	India			Wallach et al. 2014
NRS/ZSI	See ZSI-NRC.	Uttarakhand	India			F&E
RUSB	See IITR.	Uttarakhand	India			Bajpai & Thewissen 2000, Wallach et al. 2014
VAS	See GU/RSR/VAS.	Uttarakhand	India			Wallach et al. 2014
ZSI-NRC	Zoological Survey of India, Northern Regional Centre [formerly Station], Dehradun. Current as: ZSI-NRC. Obsolete as: NRS/ZSI, ZSI/NRS.	Uttarakhand	India			F&E
ZSI/NRS	See ZSI-NRC.	Uttarakhand	India			Thomson & Page 2006, Ferraris 2007
ASB	See ASK.	West Bengal	India			F&E Wallach et al. 2014
ASK	Museum of the Asiatic Society of Bengal (ASB, now The Asiatic Society), Kolkata [formerly Calcutta]. Also as: IMC (Indian Museum Calcutta); early collections transferred to ZSI (Kolkata) in 1800s	West Bengal	India			F&E Wallach et al. 2014
BNHMD	Bengal Natural History Society, Natural History Museum, Darjeeling	West Bengal	India	L85	L&G	
GSI	Geological Survey of India, Kolkata [Calcutta]. Also as GSI/PAL/CR, GSI/GC	West Bengal	India			Mohabey et al. 2011
GSI/GC	See GSI.	West Bengal	India			Wilson et al. 2010
GSI/PAL/CR	See GSI.	West Bengal	India			Mohabey et al. 2011
IMC	See ASK.	West Bengal	India			Wallach et al. 2014
MCMK	Medical College Kolkata, Museum [formerly Medical College Calcutta; Medical College Museum, Calcutta], Kolkata. Also as MCMC (occupied)	West Bengal	India			F&E
UCDZ	University of Calcutta, Faculty of Science, Department of Zoology, Fisheries Laboratory, Kolkata	West Bengal	India			F&E Kottelat 2013
ZSI	Zoological Survey of India collections at the Indian Museum [includes material transferred from the Asiatic Society of Bengal (ASK) in the 1800s], Kolkata [formerly Calcutta]; also as ZSI FF (fishes), ZSIC (herps)	West Bengal	India	L85	L&G F&E	Das & Dattagupta 1998, Tamang et al. 2008, Nguyen et al. 2009
CRDOA	Center for Research and Development of Oceanology, Indonesian Institute of Science, Ambon		Indonesia			Motomura et al. 2001
LBN	See MZB.		Indonesia			F&E
LON	Lembaga Oseanologie Nasional [alternatively National Oceanological Institute], Jakarta; also as LON NCIP		Indonesia			F&E
LON NCIP	See LON.		Indonesia			F&E
MZB	Bidang Zoologi, Pusat Penelitian Biologi, Lembaga Ilmu Pengetahuan Indonesia (LIPI) [formerly Museum Zoologicum Bogoriense, 1894–1997], Cibinong, Bogor Regency of West Java; also as LBN; current for fishes & herps		Indonesia	L85	F&E	Ferraris 2007, Böhme 2010, Kottelat 2013, Liao & Tan 2014, Wallach et al. 2014
NCIP	Pusat Penelitian dan Pengembangan Oseanologi, Lembaga Ilmu Pengetahuan Indonesia (LIPI), Jakarta, Java; current for fishes; also as Lembaga Oseanologi Nasional (Leviton et al. 1985); also as NCIV		Indonesia	L85	F&E	Randall & Allen 2010:282
NCIV	See NCIP.		Indonesia			F&E
CBSU	See ZM-CBSU.		Iran			Gholamifard & Esmaili 2009
FCKG	Fish Collection of Kiavash Golzarianpour, Gonbad Kavous University, Gonbad-e Kāvus [Gonbad], Golestān Province		Iran			Golzarianpour et al. 2013:42
GUIC	Ichthyological Museum, Department of Fisheries, Natural Resources Faculty, University of Guilan, Soumahe Sara		Iran			Kottelat 2012:12
MMTT	Muze-ye Melli-ye Tarikh-i Tabi'i, Tehran		Iran	L85	F&E	
RSI	Razi State Vaccine and Serum Institute, Tehran		Iran			Wallach et al. 2014
ZM-CBSU	Zoological Museum of Shiraz University, Collection of Biology Department, Shiraz, Fars Province; also as CBSU (herps)		Iran			Esmaili et al. 2014:258
IRAQ	Iraq Natural History Museum, Waziriya, Baghdad		Iraq	L85		
UBI	University of Basrah, Marine Science Center, Basrah		Iraq	L85		
NMI	National Museum of Ireland, Natural History Division, Dublin		Ireland	L85	F&E	

HUJ-PAL	See HUJ.	Israel		Wallach et al. 2014
SFRS	Sea Fisheries Research Station, Haifa	Israel	L85	F&E
TAU	Tel Aviv University, National Museum of Natural History, Tel Aviv; also as UTAI, TAUM	Israel	L85	F&E Kottelat 2012:13
TAUM	See TAU.	Israel		Šmíd et al. 2015
UTAI	See TAU.	Israel		F&E
HUJ	The Hebrew University of Jerusalem, Zoological Museum, Jerusalem; current for fishes (also as HUJF) & herps; also as HUJ-PAL (paleo)	Israel	L85	F&E Randall et al. 2013
CBD	Collezione Ittiologica Balma-Delmastro [G.A.C Balma & G. B. Delmastro Private Collection], Torino	Italy		F&E
CSI	Civica Stazione Idrobiologica, Milano	Italy	L85	
FAT	Count Francisci Annibalis Turriani private collection, Museo Illustrissimi Turriano (no longer extant)	Italy		Wallach et al. 2014
IAMC-CMR	Istituto per lo Studio degli Ambienti Marini Costieri di Taranto, Taranto	Italy		F&E
IGB	Museo di Zoologia [descended from Gabinetto di Storia Naturale], Università di Padova [Padua], Padova [Padua]; see also MPG	Italy		Wallach et al. 2014
IMRC	See MZUF.	Italy		Wallach et al. 2014
IRMC	See MZUF.	Italy		Wallach et al. 2014
ISMF	Istituto [Scuola] di Sanità Militare di Firenze, Firenze [Florence]	Italy		Wallach et al. 2014
IZA	Istituto di Zoologia, Università degli Studi dell'Aquila, Aquila; moved to Naples University, Department of Zoology (Fricke & Eschmeyer 2010)	Italy	L85	F&E Kottelat 2013
IZUCS	Collezioni Zoologiche [formerly Istituto di Zoologia], Università di Cagliari, Cagliari, Sardinia	Italy	L85	F&E Wallach et al. 2014
IZUG	Istituto di Zoologia [merged into Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV) ca. 2011], Università degli Studi di Genova [University of Genoa], Liguria	Italy		Jay Savage pers. comm. 2010, Böhme 2010
MCC	See MCCI.	Italy		Sindaco et al. 2009, Böhme 2010
MCCI	Museo Civico di Storia Naturale di Carmagnola, Torino [distinct from Museo Regionale di Scienze Naturali di Torino (MRSN)]; current for fishes & herps; also as MCC, MCSNC, MSNC (all obsolete)	Italy		Giovanni Boano pers. comm. 2013
MCG	See MSNG.	Italy		Jiménez-Pardo et al. 2015
MCSN	See MCSNB.	Italy		
MCSN	See MSNT.	Italy		Iwan et al. 2010
MCSN	See MSNG.	Italy		Notton 2004, Bezdek 2006
MCSNB	Museo Civico di Scienze Naturali "Enrico Caffi", Bergamo; also as MCSN	Italy		Schultze & Arratia 2013:189
MCSNC	See MCCI.	Italy		F&E Kottelat 2012:13
MCSNG	See MSNG.	Italy		Kottelat 2012:13
MCST	See MSNT.	Italy		Bezdek 2006
MCV	Museo Civico di Vicenza, Vicenza	Italy		Wallach et al. 2014
MCVR	Museo Civico di Storia Naturale, Verona [incorrectly associated with MGAB, Romania in Fricke & Eschmeyer 2010]	Italy		F&E
MCZR	Museo Civico di Zoologia [Civic Museum of Zoology], Comune di Roma [Rome], Roma; current for fishes; also as MZGZ	Italy		F&E Polgar et al. 2013
MDHC	Massimo Delfino's Herpetological Collection, housed at the Dipartimento di Scienze della Terra, Università di Torino [= Università degli Studi di Torino; University of Turin]	Italy		Bolet et al. 2014
MFSN	Museo Friulano di Storia naturale, Udine	Italy		http://www.asih.org/codons.pdf
MGPF	See MGUF.	Italy		Wallach et al. 2014
MGPUF	See MGUF.	Italy		Wallach et al. 2014
MGUF	Museo di Geologie e Paleontologie, Università di Firenze, Firenze [Florence]	Italy		Wallach et al. 2014
MPG	Museo di Geologia e Paleontologia, Università di Padova [Padua], Padova [Padua]; see also IGB	Italy		Lambert et al. 2014
MPI	See MSNPV.	Italy		Wallach et al. 2014
MRF	See MZUF.	Italy		Wallach et al. 2014

MRSN	Museo Regionale di Scienze Naturali di Torino [alternatively as Museum of Turin; listed incorrectly as Museo Civico di Storia Naturale, Torino, in Leviton et al. (1985); distinct from Museo Civico di Storia Naturale di Carmagnola (MCCI)], Torino Province; also houses zoological collections of Università degli Studi di Torino [University of Turin] cataloged separately as MZUT; current for herps; also as MRSNT (fishes, obsolete) & MSNTO (obsolete); see also MDHC	Italy			Jay Savage pers. comm. 2010, Böhme 2010, Lehtinen et al. 2012, Elena Gavetti pers. comm. 2013
MRSNT	See MRSN.	Italy		F&E	
MRST	Palazzo d'Aumale, Museo Regionale di Storia Naturale, Collezione Naturalistica [also known as Museum of Terrasini], Terrasini, Palermo	Italy			Boakes et al. 2010, Falautano et al. 2014
MSNC	See MCCI.	Italy		F&E	
MSNG	Museo Civico di Storia Naturale "Giacomo Doria" [Civic Museum of Natural History], Genova [Genoa]; current for fishes & herps; also as MCSN (insects), MCG, MCSNG	Italy	L85	F&E	Nguyen et al. 2009, Polgar et al. 2013, Bezdek 2006, Wallach et al. 2015
MSNGD	Collection of Marchese Giacomo Doria; now in MSNG	Italy			Jay Savage pers. comm. 2010
MSNM	Museo Civico di Storia Naturale di Milano [Milan], Milano Province; partially destroyed in 1943 during World War II, including Jan's (1853–1866) collection of 1000 species, types, and catalogues]	Italy	L85	F&E	Stefano Scali pers. comm. 2013 (via Edoardo Razzetti), Wallach et al. 2014
MSNPV	Museo di Storia Naturale dell'Università di Pavia, Pavia Province [questionably synonymous with Museo di Pavia, Lombardy (MPI)]; current for fishes, herps & fossils; also as MZUP (obsolete, preoccupied by Museo di Zoologia, Università di Palermo)	Italy			Sindaco et al. 2009, Edoardo Razzetti pers. comm 2013
MSNT	Museo Civico di Storia Naturale di Trieste, Trieste; also as MCSN, MCST (insects)	Italy	L85	F&E	
MSNTO	See MRSN.	Italy	L85		
MSNV	See MSNVE.	Italy	L85	F&E	Nicola Novarini pers. comm. 2012
MSNVE	Museo di Storia Naturale di Venezia [formerly Museo Civico di Storia Naturale di Venezia], Venezia; also as MSNV & MVEN (both obsolete), formally replaced by MSNVE in 2008	Italy			Nicola Novarini pers. comm. 2012
MSNVR	Museo Civico di Storia Naturale di Verona, Sezione di Zoologia, Verona	Italy	L85	F&E	
MTSN	Museo Tridentino di Scienze Naturali, Trento; current for herps	Italy			Menegon et al. 2011; P. Uetz pers. comm. 2015
MZUT	See MZUT.	Italy			Harvey 1999
MVEN	See MSNVE.	Italy			http://www.asih.org/codons.pdf
MZF	See MZUF.	Italy			Mayer & Tortonese 1977
MZGZ	Museo di Zoologia del Giardino Zoologico, Rome; See MCZR.	Italy	L85	F&E	
MZPA	Museo di Zoologia, Università di Palermo [Museo Zoologia Pietro Doderlein], Palermo; also as MZUP	Italy			http://www.asih.org/codons.pdf
MZUB	Museo di Zoologia dell'Università di Bologna, Bologna; also as IBI (obsolete)	Italy		F&E	Wallach et al. 2014
MZUF	Museo di Storia Naturale di Firenze, Sezione di Zoologia "La Specola" [formerly Imperiale e Reale Museo di Fisica e Storia Naturale (IMRC, IRMC, MRF)], Firenze [Florence]; includes new herpetological collection of Benedetto Lanza (NHCL); current for fishes & herps; also as MZF (fishes)	Italy	L85	F&E	Ferraris 2007, Böhme 2010, Sindaco et al. 2014, Wallach et al. 2014
MZUN	Museo di Zoologia [part of Centro Musei delle Scienze Naturali], Università degli Studi di Napoli Federico II, Naples, Campania; also as UNZM	Italy			Böhme 2010, Wallach et al. 2014
MZUP	Museo di Zoologia, Università di Palermo [Museo Zoologia Pietro Doderlein], Palermo; also as MZPA.	Italy	L85		
MZUP	See MSNPV.	Italy			Kottelat 2012:13
MZUT	Museo di Zoologia, Università di Torino [= Università degli Studi di Torino; University of Turin], Torino; zoological collections (including fishes & herps) stored at Museo Regionale di Scienze Naturali di Torino (MRSN), but cataloged separately; misspelled as MUZT in Harvey (1999:402); see also MDHC	Italy	L85	F&E	Edoardo Razzetti pers. comm. 2013, Wallach et al. 2014
NHCL	See MZUF.	Italy			Wallach et al. 2014
PUM	Università di Pisa, Pisa	Italy	L85		Jay Savage pers. comm. 2010
SZN	Stazione Zoologica Anton Dohrn, Napoli [Naples], Campania	Italy	L85		Wallach et al. 2014
UNZM	See MZUN.	Italy			Wallach et al. 2014
AKPM	Akita Prefectural Museum, Akita. Current as: AKPM (fishes).	Akita	Japan	F&E	FishNet 2
ACAP	Aquaculture Center of Aomori Prefecture [Aomoriken Suisan Zoshoku Senta], Higashitsugaru.	Aomori	Japan	L85	F&E
APM	Aomori Prefectural Museum, Aomori.	Aomori	Japan		F&E

CBM	Natural History Museum and Institute, Chiba. Current as: CBM-ZF (fishes). Obsolete as: CMNH (Coastal Branch of Natural History Museum and Institute).	Chiba	Japan		F&E	Tang et al. 2013
CMNH	See CBM.	Chiba	Japan			Imamura 2011
EUB	Ehime University, Laboratory of Biology, Faculty of Science, Matsuyama	Ehime	Japan			F&E
MGHSJ	Matuyama Girl's High School, Matuyama.	Ehime	Japan			F&E
FUE	Fukuoka University of Education, Munakata. Current as: FUE (amphibians).	Fukuoka	Japan		L&G	Kuramoto & Wang 1987
KMNH	Kitakyushu Museum of Natural History and Human History, Kitakyushu.	Fukuoka	Japan		L85	Watanabe & Uyeno 1999
LFBKU	Kyushu University, Laboratory of Fishery Biology, Fukuoka. Formerly: Kyushu Imperial University.	Fukuoka	Japan			F&E
IMCF	Iwaki Museum of Coal and Fossils, Iwaki. Current as: IMCF (paleo).	Fukushima	Japan			Sato et al. 2012
GPM	Gifu Prefectural Museum, Seki. Current as: GPM (paleo).	Gifu	Japan			Sato et al. 2012
GMNH	Gunma Museum of Natural History, Tomioka. Current as: GMNH PV (paleo).	Gunma	Japan			Smith & Ksepka 2015
IABHU	Institute for Amphibian Biology, Hiroshima University, Higashihiroshima. Current as: IABHU (amphibians). See also: ZIHU.	Hiroshima	Japan			Masayuki Sumida pers. comm. 2010
ZIHU	Hiroshima University, Faculty of Science, Department of Biological Sciences [formerly Zoological Institute], Hiroshima. See also: IABHU (amphibians)	Hiroshima	Japan		L85	F&E
BIHM	Bihoro Museum, Abashiri. Current as: BIHM (fishes).	Hokkaido	Japan			Miyazaki et al. 2013
HCM	Hakodate City Museum, Hakodate. Formerly: Hakodate Museum. Note: some historical specimens lost.	Hokkaido	Japan			Amaoka et al. 1986, Miyazaki et al. 2013
HMC	Hidaka Mountain Center, Hidaka. Current as: HMC (paleo).	Hokkaido	Japan			Sato et al. 2012
HMG	Hobetsu Museum, Mukawa. Current as: HMG (paleo).	Hokkaido	Japan			Sato et al. 2012
HMH	Historical Museum of Hokkaido, Sapporo. Current as: HMH (paleo).	Hokkaido	Japan			Sato et al. 2012
HUMZ	The Hokkaido University Museum, Sapporo, and Fisheries Science Center, Hakodate. Formerly: Hokkaido University, Marine Zoology Laboratory. Current as: HUMZ (fishes). See also: UHR (paleo).	Hokkaido	Japan		L85	F&E Shinohara et al. 2011, Sato et al. 2012, Kai 2015
MCM	Mikasa City Museum, Mikasa. Current as: MCM (paleo).	Hokkaido	Japan			Sato et al. 2012
NFL	Numata Fossils Laboratory, Numata. Current as: NFL (paleo).	Hokkaido	Japan			Sato et al. 2012
NM	Nakagawa Museum, Nakagawa. Current as: NM (paleo).	Hokkaido	Japan			Sato et al. 2012
OM	Obira Museum, Obira. Current as: OM (paleo).	Hokkaido	Japan			Sato et al. 2012
SMAC	Sapporo Museum Activity Center, Sapporo. Current as: SMAC (paleo).	Hokkaido	Japan			Sato et al. 2012
UHR	The Hokkaido University Museum, Sapporo. Current as: UHR (paleo). See also: HUMZ.	Hokkaido	Japan			Sato et al. 2012
TMBS	Tatsuo Tanaka Memorial Biological Laboratory, Ako, Miyake-jima, Izu Islands. Note: lab closed, collection transferred to NSMT.	Hyogo	Japan		L85	F&E
GSJ	Geological Survey of Japan, Geological Museum, Tsukuba.	Ibaraki	Japan			Watanabe & Uyeno 1999, Ferraris 2007, Sato et al. 2012
IBUT	Institute of Biological Sciences, University of Tsukuba.	Ibaraki	Japan		L&G	
FSKU	Kitasato University, School of Fisheries Sciences.	Iwate	Japan		L85	F&E
IPMM	Iwate Prefectural Museum, Morioka. Current as: IPMM (paleo).	Iwate	Japan			Sato et al. 2012
KAUM	Kagoshima University Museum, Korimoto. Current as: KAUM or KAUM-I (fishes), KAUM-II (fish images), KAUM-VE (vertebrates except fishes, including herps), KGU (paleo). Obsolete as: KMJ (herps)	Kagoshima	Japan			F&E H. Motomura pers. comm. 2010, Matsunuma et al. 2010, Seah et al. 2015
KGU	See KAUM.	Kagoshima	Japan			Sato et al. 2012
KMJ	See KAUM.	Kagoshima	Japan			Wallach et al. 2014
KPM	Kanagawa Prefectural Museum of Natural History, Odawara. Includes: fishes from Izu Oceanic Park (IOP, IOPM), Ito, Shizuoka. Current as: KPM-NI (fishes)	Kanagawa	Japan			F&E Imamura et al. 2010, Asai et al. 2011
YCM	Yokosuka City Museum, Yokosuka. Current as: YCM (fishes).	Kanagawa	Japan		L85	F&E FishNet2, Kottelat 2013
BSKU	Kochi University, Department of Natural Science, Faculty of Science, Kochi. Includes: material from Usa Marine Biological Laboratory and Kochi University, Faculty of Agriculture (FAKOU). Current as: BSKU (fishes), KCU (paleo). Obsolete as: FAKOU, ZIKU. See also: KSHS, KCU.	Kochi	Japan		L85	F&E Shinohara et al. 2011, Ho & Johnson 2013, Kai 2015
FAKOU	See BSKU.	Kochi	Japan			F&E

FAKU	Kyoto University Museum, Kyoto University, Yoshida (main campus), Sakyo. Formerly: Kyoto Imperial University (1897–1947). History: FAKU established in 1947 by Kiyomatsu Matsubara (1907–1968) in the Faculty of Agriculture, Department of Fisheries, Maizuru campus; expanded to Yoshida campus upon relocation of Department of Fisheries in 1972 and continued at Maizuru campus in newly established Fisheries Research Station; Yoshida campus collection moved to Kyoto University Museum (KUM) in 2001 (FAKU 60000-99999, 200000+ and FAKU P) which also houses specimens formerly at Kyoto University Seto Marine Biological Laboratory (SMBL) and Otsu Hydrobiological Station (OHS). Maizuru Fisheries Research Station, Aquatic Natural History Museum, houses other part of FAKU collection (FAKU 1000~59999 and 100000~199999 [ex FRSKU]) including some specimens formerly at MIKU. See also: MIKU, SMBL. Obsolete as: FRSKU. Current as: FAKU (fishes), ? (herps).	Kochi	Japan	L85	F&E	Kottelat 2013, Kai 2015, Yoshiaki Kai pers. comm. 2016
KCU	Kochi University, Kochi. Current as: KCU (paleo). See also: BSKU (Recent fishes).	Kochi	Japan			Sato et al. 2012
KSHS	Kochi Nishi Senior High School, Kamobe. Note: Yamakawa private collection assigned BSKU catalog numbers 50000-79999.	Kochi	Japan	L85	F&E	
ZIKU	See BSKU.	Kochi	Japan		F&E	
FRSKU	See FAKU.	Kyoto	Japan	L85	F&E	
KUHE	Kyoto University, Graduate School of Human and Environmental Studies; current for herps; see also FAKU, FRSKU (both fishes) and KUM (snakes)	Kyoto	Japan			Nguyen et al. 2009, Matsui 2013
KUM	Kyoto University Museum, Kyoto University [formerly Kyoto Imperial University], Kyoto	Kyoto	Japan			Wallach et al. 2014
KUZ	Kyoto University, Department of Zoology Museum, Kyoto	Kyoto	Japan			Nguyen et al. 2009
OHS	See FAKU.	Kyoto	Japan			Kai 2015, Yoshiaki Kai pers. comm. 2016
FRLM	Fish Collection of the Fisheries Research Laboratory, Mie University, Wagu, Shima. Current as: FRLM (fishes).	Mie	Japan	L85	L&G F&E	Ferraris 2007, Seishi Kimura pers. comm. 2010
TUM	Tohoku University Museum, Sendai. Current as: TUM (paleo).	Miyagi	Japan			Sato et al. 2012
FLMU	Fisheries Laboratory, Miyazaki University.	Miyazaki	Japan			Yoshino & Kishimoto 2008
MUDF	See MUFS.	Miyazaki	Japan			Akazaki & Iwatsuki 1987:324
MUFS	Division of Fisheries Science, Faculty of Agriculture, University of Miyazaki, Miyazaki; Obsolete as: MUDF. Current as: MUFS (fishes).	Miyazaki	Japan		F&E	Yukio Iwatsuki pers. comm. 2012, Kai 2015
FNU	Nagasaki University, Faculty of Fisheries, Nagasaki	Nagasaki	Japan	L85	F&E	
NUFES	Nagasaki University Fisheries Experimental Station, Nagasaki	Nagasaki	Japan	L85		
SNFR	Seikai National Fisheries Research Institute, Nagasaki	Nagasaki	Japan			Kawai 2011
FAK	See KUN.	Nara	Japan		F&E	
FKUN	See KUN.	Nara	Japan			Takeuchi et al. 2009
KUN	Faculty of Agriculture, Kinki University, Nakamachi, Nara. Obsolete as: FAK (in use 1964–2000) and FKUN (in use 2000–2008 for Department of Fisheries). Current as: KUN-P (fishes).	Nara	Japan			Takeuchi et al. 2009, Asai et al. 2011, Kawase & Hosoya 2010, Hosoya pers. comm. 2012, Kai 2015
NUSMBS	Niigata University, Faculty of Science, Sado Marine Biological Station, Niigata	Niigata	Japan	L85	F&E	
OPM	Okinawa Prefectural Museum & Art Museum, Naha	Okinawa	Japan	L85	F&E	
SMLVO	Tokai University Subtropical Marine Laboratory, Iriomoto Island	Okinawa	Japan	L85		
URB	See URM.	Okinawa	Japan	L85	F&E	Akazaki & Iwatsuki 1987:324
URJ	Agriculture and Home Economics Division, University of the Ryukyus, Nishihara, Ryukyu Islands	Okinawa	Japan			Wallach et al. 2014
URM	Animal Research Department, Okinawa Churashima Research Center, Okinawa Churashima Foundation, Okinawa. Includes: fishes formerly cataloged at the University of the Ryukyus (URJ), which includes those originally cataloged by Mr. Tetsuo Yoshino using URB, some types of which have not been recataloged and retain URB numbers. Obsolete as: URB. Current as: URM-P (fishes).	Okinawa	Japan	L85	F&E	Hiroyuki Motomura & Kei Miyamoto pers. comm. 2013, Kottelat 2013, Ishimori et al. 2015, Kai 2015
KSNHM	Natural History Museum, Kishiwada. Current as: KSNHM (paleo).	Osaka	Japan			Sato et al. 2012
MIKU	Misaki Marine Biological Institute, Misaki-Koen. History: founded in 1958, closed ca. 1970; collection included fishes from 1958 Amami (Kagoshima) Expedition by K. Matsubara; most specimens lost, some transferred to FAKU (Kyoto University Museum and Maizuru Fisheries Research Station). Note: distinct from Misaki Marine Biological Station of the University of Tokyo. See also: FAKU.	Osaka	Japan		F&E	Ferraris 2007, Kai 2015, Yoshiaki Kai pers. comm. 2016

OKU	Osaka Kyoiku University, Department of Arts and Sciences, Division of Natural Sciences	Osaka	Japan		F&E
OMNH	Osaka Museum of Natural History, Osaka. Current as: OHNH (fishes, herps, paleo).	Osaka	Japan	L85	F&E Nguyen et al. 2009, Kawase & Hosoya 2010, Böhme 2010, Sato et al. 2012, Wallach et al. 2014, GBIF 2016
LBM	Lake Biwa Museum, Oroshimo, Kusatsu	Shiga	Japan		Takahashi & Nakaya 2003, Kawase & Hosoya 2010
SAHIMEL	See SSOFM.	Shimane	Japan		F&E
SSOFM	Shimane Nature Museum of Mt. Sanbe [formerly Sanbe Shizenkan Open Field Museum], Shimane; also as SAHIMEL	Shimane	Japan		F&E
FSFL	See FSFRL.	Shizuoka	Japan	L85	F&E
FSFRL	National Research Institute of Far Seas Fisheries, Fisheries Research Agency [formerly Far Seas Fisheries Research Laboratory (FSFL)], Shimizu city (now Shizuoka city); also as FSFL; fishes transferred to NSMT ca. 2009	Shizuoka	Japan		F&E K. Matsuura pers. comm. in Ho & Shao 2010
HVMSh	Heda Shipbuilding Local Data/Bottom Feeder Museum, Heda [town merged with Numazu]	Shizuoka	Japan		F&E http://www.shizutou-cb.jp/english/town/numazu.html
IOP	See KPM.	Shizuoka	Japan		F&E Imamura et al. 2010
IOPM	See KPM.	Shizuoka	Japan	L85	F&E
IORD	Tokai University Institute of Oceanic Research and Development, Shimizu. Note: includes Okada Collection.	Shizuoka	Japan	L85	F&E
MSM	Marine Science Museum, Tokai University, Shimizu, Shizuoka. Current as: MSM. See also: TUMF	Shizuoka	Japan	L85	F&E Okamoto et al. 2011
TMFE	Elasmobranchii Collection, Department of Fisheries, School [=Faculty/College] of Marine Science and Technology, Tokai University, Shimizu City; see also TUMF.	Shizuoka	Japan		F&E
TUMF	Department of Fisheries, School of Marine Science and Technology, Tokai University, Shimizu City; see also TMFE, MSM	Shizuoka	Japan		Tominaga & Kubota 1972
TKPM	Tokushima Prefectural Museum, Tokushima. Current as: TKPM (fishes).	Tokushima	Japan		F&E FishNet2
UMUT	See ZUMT.	Tokushima	Japan		Sato et al. 2012
ABE	Tokiharu Abe Personal Collection. Note: some fish types were housed at Tokyo fish market; collection to be transferred to ZUMT.	Tokyo	Japan		F&E
BLIH	See BLIP.	Tokyo	Japan		F&E
BLIP	Biological Laboratory, Imperial Palace, Tokyo. Obsolete as: BLIH (Imperial Household), LIAIP (Laboratory of Ichthyology, Akasaka Imperial Palace), LICPP (Laboratory of Ichthyology, The Crown Prince's Palace). Current as: BLIP (fishes).	Tokyo	Japan		F&E Shibukawa & Murdy 2012
FUMT	See ZUMT.	Tokyo	Japan	L85	F&E Okamoto et al. 2011
IBRP	Institute for Breeding Research, Tokyo University of Agriculture, Tokyo	Tokyo	Japan		F&E
IFI	Imperial Fisheries Institute, Tokyo University of Fisheries, Tokyo [now Tokyo University of Marine Science and Technology (MTUF)]; collection now at MTUF	Tokyo	Japan		F&E
LTAIP	See BLIP.	Tokyo	Japan		F&E
LICPP	See BLIP.	Tokyo	Japan	L85	F&E
MTUF	Tokyo University of Marine Science and Technology, Museum of Fishery Sciences [formerly Museum of Tokyo University of Fisheries], Tokyo; also as IFI	Tokyo	Japan	L85	F&E
MUT	See ZUMT.	Tokyo	Japan		F&E
NIPR	National Institute of Polar Research, Tachikawa, Tokyo	Tokyo	Japan		L&G
NMNS	See NSMT.	Tokyo	Japan		Durand et al. 2012
NSMT	National Museum of Nature and Science, Ueno Park, Tokyo. Formerly: National Science Museum, Ueno Museum, Tokyo Museum, Tokyo Science Museum, Tokyo Zoological Museum (TZM). Includes: fishes from National Research Institute of Far Seas Fisheries (FSFL/FSFRL) and Tatsuo Tanaka Memorial Biological Laboratory (TMBS), Shinjuku-ku, Tokyo; Obsolete as: NMNS, NSMT-PL (typographic error), TZM. Current as: NSMT-P (fishes), NSM-PV (paleo).	Tokyo	Japan	L85	F&E Watanabe & Uyeno 1999, Gleadall 2003, Ho & Shao 2010, Kawase & Hosoya 2010, Durand et al. 2012, Sato et al. 2012, Ho & Johnson 2013, Wallach et al. 2014
ORIT	University of Tokyo, Ocean Research Institute, Tokyo. Note: most fish types now at ZUMT.	Tokyo	Japan	L85	F&E
THUg	Teikyo Heisei University, Tokyo. Obsolete as: TUTg (Teikyo University of Technology). Current as: THUg (paleo).	Tokyo	Japan		Sato et al. 2012
TIU	See ZUMT.	Tokyo	Japan	L85	Wallach et al. 2014

TUFIL	Tokyo University of Marine Sciences and Technology, Ichthyological Laboratory [formerly Imperial Fisheries Institute (IFI), Tokyo University of Fisheries], Tokyo	Tokyo	Japan	L85	F&E
TUTg	See THUg.	Tokyo	Japan		Sato et al. 2012
TZM	See NSMT.	Tokyo	Japan	L85	Gleadall 2003
WIRI	Watanabe Ichthyological Research Institute, Tokyo	Tokyo	Japan		Ho & Shao 2011
ZMUT	See ZUMT.	Tokyo	Japan		F&E Ferraris 2007
ZUMT	The University Museum, University of Tokyo [Tokyo Imperial University (TIU) from 1897–1947], Tokyo. Formerly: University Storage Center for Research Materials (FUMT) from 1966–1997. Includes: specimens formerly in the Fisheries Bureau of the Imperial Department of Agriculture and Commerce and most fish types from University of Tokyo Ocean Research Institute (ORIT). Obsolete as: FUMT (Department of Fisheries), MUT, TIU, UMUT, UMUTZ, ZIUT, ZMUT. Current as: ZUMT (Recent fishes and herps). Also as: UMUT (paleo).	Tokyo	Japan	L85	F&E Akazaki & Iwatsuki 1987:324, Gleadall 2003
KMPC	Kushimoto Marine Park Center, Kushimoto-chu, Nishimuro-gun, Kii Peninsula	Wakayama	Japan		F&E
SMBL	Kyoto University Seto Marine Biological Laboratory, Shirahama, Nishimuro District. History: Founded in 1922, integrated into Field Science Education and Research Center (FSERC) in 2003. Note: SMBL collection developed by Chuichi Araga; most specimens transferred to Kyoto University Museum and recataloged under FAKU. See also: FAKU.	Wakayama	Japan	L85	F&E Ferraris 2007, Kai 2015, Yoshiaki Kai pers. comm. 2016
SUF	Incorporated Administrative Agency National Fisheries University, Shimonoseki. Formerly: Shimonoseki University of Fisheries (1963-1994) among others.	Yamaguchi	Japan	L85	F&E
YFTC	Yamanashi Prefectural Fisheries Technology Center, Ushiku, Kai	Yamanashi	Japan		Muto et al. 2013
UJZM	University of Jordan, Zoological Museum, Amman		Jordan	L85	
BK	Bio-Ken Snake Farm, Watamu		Kenya		Wallach et al. 2014
NMK	National Museums of Kenya, Directorate of Research and Collections, Zoology Department, Nairobi. Current as: NMK FW (fishes) and NMK (herps).		Kenya	L85	F&E Böhme 2010, Wallach et al. 2014, Schmidt et al. 2015
DFV	See LARReC.		Laos		F&E Kottelat 1998
LARReC	Living Aquatic Resources Research Centre, National Agriculture and Forestry Research Institute (NAFRI), Ministry of Agriculture and Forestry, Vientiane. Obsolete as: DFV (Division of Fisheries), LARRI.		Laos		F&E
LARRI	See LARReC.		Laos		F&E Kottelat 2000, Ng & Lim 2008
NUOL	National University of Laos Zoological Collection, Vientiane. Current as: NUOL (herps). Also as: FES (mammals, Faculty of Environmental Sciences).		Laos		Nguyen et al. 2010, Böhme 2010, Sanamxay et al. 2013
MHNL	Musée National d'Histoire Naturelle, Collections zoologiques. Also as: MNHNLU.		Luxembourg		Ferraris 2007
MNHNLU	See MHNL.		Luxembourg		F&E
MMNHS	Macedonian Museum of Natural History, Skopje		Macedonia		F&E Kottelat 2012:13
CAD	Charles A. Domergue private collection (herps). Note: presumably in Madagascar.		Madagascar		Wallach et al. 2014
CNRO	Centre National de Recherches Oceanographiques, Nosy-Be [Nossi-bé].		Madagascar	L85	F&E
IRSM	Institut de Recherche Scientifique de Madagascar (1946-1957), Antananarivo [Tananarive or Tana]. Note: fishes mostly transferred to MNHN (Paris)		Madagascar		F&E Kottelat 2013
UA	See UADBA.		Madagascar		Wallach et al. 2014
UADBA	Université d'Antananarivo, Département de Biologie Animale, Antananarivo. Current as: UADBA (herps). Obsolete as: UA.		Madagascar		Böhme 2010, Lehtinen et al. 2012
MMF	Estação de Biologia Marinha do Funchal, Funchal Câmara Municipal, Funchal. Formerly: Museu Municipal do Funchal.		Madeira	L85	F&E
MFRU	Malawi Fisheries Research Unit, Ministry of Forestry, Fisheries and Environmental Affairs, Monkey Bay. Also as: MFU.		Malawi		F&E Eccles et al. 2011
MFU	See MFRU.		Malawi		F&E
UMBC	University of Malawi, Bunda College of Agriculture, Lilongwe		Malawi		F&E
BIRCUM	See UMKL.	Kuala Lumpur	Malaysia		F&E Ng & Kim 2008, Baharuddin et al. 2014
FMSM	See NMM.	Kuala Lumpur	Malaysia		Wallach et al. 2014
IMRKL	Institute of Medical Research, Kuala Lumpur.	Kuala Lumpur	Malaysia		Wallach et al. 2014
NMM	National Museum (Malaysia) [Muzium Negara], Kuala Lumpur. Formerly: Selangor State Museum (SM or SSMKL), member of Federated Malay States Museums (FMSM) and partially destroyed 10 Mar 1945 during WWII, although some Duncker specimens survived at BMNH.	Kuala Lumpur	Malaysia		Alfred 1963:165, Wallach et al. 2014
SM	See NMM.	Kuala Lumpur	Malaysia		Wallach et al. 2014
SSMKL	See NMM.	Kuala Lumpur	Malaysia		F&E Wallach et al. 2014

UMKL	University of Malaya, Institute of Biological Sciences, Museum of Zoology. Also as: BIRCUM.	Kuala Lumpur	Malaysia	L85	Ng & Kim 2008
FRIGL	Fisheries Research Institute, Glami Lemi, Jelebu. Current as: FRIGL (fishes).	Negeri Sembilan	Malaysia		Baharuddin et al. 2014
FRI	Fisheries Research Institute, Glugor [Gelugor].	Penang	Malaysia	L85	
BMRI	See IPMB.	Sabah	Malaysia		F&E
FRC	Forest Research Centre, Sabah Forestry Department, Sepilok	Sabah	Malaysia		Tachi & Rahman 2003
FRCL	Fisheries Research Centre [Pusat Penyelidikan Perikanan], Likas, Kota Kinabalu	Sabah	Malaysia		F&E Russell & Chin 1996, Kottelat 2012:12
IPMB	Institut Penyelidikan Marin Borneo, Aquarium & Marine Museum of University Malaysia Sabah [Universiti Malaysia Sabah], Kota Kinabalu. Alternatively: Borneo Marine Research Institute (BMRI). Current as: IPMB. Questionable as: UMSB. Obsolete as: BMRI. See also: ITBC.	Sabah	Malaysia		F&E Naruse et al. 2015, Last et al. 2016
ITBC	Institute for Tropical Biology and Conservation Zoological Collection [BORNEENSIS], Universiti Malaysia Sabah (UMS), Kota Kinabalu. Founded: 1995. Current as: ITBC. Questionable as: UMSB. See also: IPMB.	Sabah	Malaysia		Tachi & Rahman 2003
MUS	Muzium Sabah [Sabah Museum], Jalan Muzium, Kota Kinabalu. Founded: 1965 on Gaya Street. Formerly: North Borneo Museum, Sandakan. Current as: MUS (bony fishes and herps), SMEC (elasmobranchs). Obsolete as: SBM, SM, SSM. Note: registration no. for zoological specimens preceded by NH.	Sabah	Malaysia		Tachi & Rahman 2003, Tan 2006, Compagno 2010, Kottelat 2012:13, Kottelat 2013, Puan Su Chin Sidih pers. comm. 2016
SBM	See MUS.	Sabah	Malaysia		F&E Ng et al. 2000, Ferraris 2007, Ng & Lim 2008
SM	See MUS.	Sabah	Malaysia		F&E Tachi & Rahman 2003
SMEC	See MUS.	Sabah	Malaysia		F&E Compagno 2010
SP	Sabah Parks Natural History Museum [Kinabalu Park Museum], Kinabalu Conservation Center at at Kinabalu Park Headquarter. Current as: SP (fishes and herps). Obsolete as: SPM.	Sabah	Malaysia		Tachi & Rahman 2003, Wallach et al. 2014
SPM	See SP.	Sabah	Malaysia		Tachi & Rahman 2003
SSM	See MUS.	Sabah	Malaysia		Stuebing & Goh 1993
UMSB	See IPMB, ITBC.	Sabah	Malaysia		Kottelat 2012:13, Kottelat 2013
IPPS	Institut Penyelidikan Perikanan Sarawak [Fisheries Research Institute Sarawak (FRIS)], Kuching.	Sarawak	Malaysia		F&E Last & Lim 2010
SBC	Sarawak Biodiversity Center, Kuching. Founded: 1998.	Sarawak	Malaysia		Kottelat 2012:13
SM	See SMK.	Sarawak	Malaysia		F&E
SMK	Muzium Sejarah Semulajadi [Sarawak Natural History Museum], Kuching; also as SM.	Sarawak	Malaysia	L85	F&E Nguyen et al. 2009, Kottelat 2012:13, Wallach et al. 2014
UNIMAS	Universiti Malaysia Sarawak, Kuching. Current as: UNIMAS (fishes)	Sarawak	Malaysia		F&E Manica et al. 2002
UMT	South China Sea Biodiversity Museum at Institute of Oceanography, University Malaysia Terengganu, Kuala Terengganu. Current as: UMT (fishes)	Terengganu	Malaysia		Matsunuma et al. 2010, Seah et al. 2015
NHMI	Natural History Museum and Institute, Port Louis.		Mauritius		F&E
UAA	Universidad Autónoma de Aguascalientes, Museo de Zoología, Aguascalientes	Aguascalientes	Mexico		Flores-Villela & Hernández 1992 http://www.conabio.gob.mx/informacion/catalogo_autoridades/autorescolectorescolecciones/Instituciones_Colecciones.xls
CI-UABC	See UABC.	Baja California	Mexico		
UABC	Universidad Autónoma de Baja California, Ensenada. Also as CI-UABC (fishes)	Baja California	Mexico		Castro-Aguirre et al. 2002, García-Ramírez et al. 2007
CI	See CICIMAR.	Baja California Sur	Mexico		Castro-Aguirre et al. 2002
CIB	Centro de Investigaciones Biológicas del Noroeste, S.C. (CIBNOR), La Paz	Baja California Sur	Mexico		Castro-Aguirre et al. 2002
CIBM	See CIB.	Baja California Sur	Mexico		F&E
CICIMAR	Colección Ictiológica, Centro Interdisciplinario de Ciencias Marinas, Instituto Politécnico Nacional, La Paz. Also as: CI, CICIMAR-CI (for non-ichthyoplankton vs. CICIMAR for ichthyoplankton)	Baja California Sur	Mexico		F&E Ruiz-Campos & Castro-Aguirre 2002
MZUABCS	See UABCS.	Baja California Sur	Mexico		F&E
UABCS	Universidad Autónoma de Baja California Sur, La Paz. Also as: MZUABCS (fishes)	Baja California Sur	Mexico		Flores-Villela & Hernández 1992

ECO-SC	See ECOSC.	Chiapas	Mexico		Rodiles-Hernández et al. 2005
ECOSC	El Colegio de la Frontera Sur (ECOSUR), San Cristóbal de Las Casas. Includes: herp collection formerly at Instituto Nacional de Investigaciones En Recursos Bióticos (INIREB). Current as: ECO-SC-P (fishes), ECO-SC-H (herps).	Chiapas	Mexico		F&E Ferraris 2007, Oscar Flores-Villela & Rocío Rodiles-Hernández pers. comm. 2010
IHN	Instituto de Historia Natural de Chiapas, Tuxtla Gutiérrez. Formerly: Museo de Zoología de Tuxtla Gutiérrez (MZTG). Also as MZTG (obsolete)	Chiapas	Mexico		Flores-Villela & Hernández 1992, Nieto-Montes de Oca 2003
MZ-ICACH	Museo Zoológico de la Universidad de Ciencias y Artes del Estado de Chiapas (UNICACH), Tuxtla Gutiérrez	Chiapas	Mexico		Köhler et al. 2007
MZTG	See IHN.	Chiapas	Mexico	L85	
CIIDIR-DGO	Centro Interdisciplinario de Investigación para el Desarrollo Integral Regional (CIIDIR), Durango	Durango	Mexico		Flores-Villela & Hernández 1992
ADM	See MDUG.	Guanajuato	Mexico		Wallach et al. 2014
MADUG	See MDUG.	Guanajuato	Mexico		Flores-Villela & Hernández 1992
MDUG	Museo de Historia Natural "Alfredo Dugès", Universidad de Guanajuato, Guanajuato. Includes herp types of Alfredo Dugès. Also as: ADM, MADUG	Guanajuato	Mexico	L85	Flores-Villela et al. 2010, Oscar Flores-Villela pers. comm. 2010, Wallach et al. 2014
ITAH	Instituto Tecnológico Agropecuario de Hidalgo, Huejutla de Reyes	Hidalgo	Mexico		Daza et al. 2009
UAHMP	Museo de Paleontología, Universidad Autónoma del Estado de Hidalgo, Pachuca	Hidalgo	Mexico		González-Rodríguez et al. 2013
COHERP-UAG	See UAG.	Jalisco	Mexico		http://www.conabio.gob.mx/informacion/catalogo_autoridades/autorescolectorescoleccion/Instituciones_Colecciones.xls
IMECBIO	Universidad de Guadalajara, Instituto Manantlán de Ecología y Conservación de la Biodiversidad, Colección de Vertebrados. Formerly: Colección Zoológica del Laboratorio Natural Las Joyas de la Sierra de Manantlán. Also as: LNLJ.	Jalisco	Mexico		http://www.conabio.gob.mx/informacion/catalogo_autoridades/autorescolectorescoleccion/Instituciones_Colecciones.xls
LNLJ	See IMECBIO.	Jalisco	Mexico		Flores-Villela & Hernández 1992
UAG	Universidad Autónoma de Guadalajara, Colección Herpetológica, Guadalajara. Also as COHERP-UAG.	Jalisco	Mexico		Flores-Villela & Hernández 1992
CNAR	Colección Nacional de Anfibios y Reptiles, Instituto de Biología, Universidad Nacional Autónoma de México (UNAM), Mexico City. Includes: herps from Dirección General de Fauna Silvestre Secretaría de Desarrollo Urbano y Ecología, Coyoacán (DGFSSSEDUE), Escuela Nacional de Estudios Profesionales Iztacala, UNAM, Tlalnepantla de Baz (ENEPI) and Museo Nacional de Historia Natural, Chapultepec (MNHNM). Obsolete as: IBH, IBHUNAM, IBM. See also: MZFC.	Mexico City	Mexico		Oscar Flores-Villela pers. comm. 2010, Wallach et al. 2014
CNP-IBUNAM	See CNPE-IBUNAM.	Mexico City	Mexico		F&E Pérez-Rodríguez et al. 2009
CNPE-IBUNAM	Colección Nacional de Peces, Instituto de Biología, Universidad Nacional Autónoma de México (UNAM), Mexico City. Includes: fishes from Museo Nacional de Historia Natural, Chapultepec (MNHNM). Obsolete as: CNP-IBUNAM, IBUNAM-CNPE, IBUNAM-P, UNAM, UNAM-CNP, UNAM-CNPE. Current as: CNPE-IBUNAM (preferred for citation in publications although IBUNAM currently used to catalog fishes).	Mexico City	Mexico		Héctor Espinosa Pérez pers. comm. 2010
DGFSSSEDUE	See CNAR.	Mexico City	Mexico		Oscar Flores-Villela pers. comm. 2010
EBMP-INP	See INIBP.	Mexico City	Mexico		http://www.conabio.gob.mx/informacion/catalogo_autoridades/autorescolectorescoleccion/Instituciones_Colecciones.xls
ENCB	Escuela Nacional de Ciencias Biológicas, Instituto Politécnico Nacional, Mexico City. Obsolete as: IPN, IPN-ENCB. Current as: ENCB-IPN (fishes).	Mexico City	Mexico	L85	F&E Castro-Aguirre et al. 2002, Rodiles-Hernández et al. 2005
ENCB-IPN	See ENCB.	Mexico City	Mexico	L85	Castro-Aguirre et al. 2002, Rodiles-Hernández et al. 2005
ENEPI	See CNAR.	Mexico City	Mexico		Flores-Villela & Hernández 1992, Daza et al. 2009, Oscar Flores-Villela pers. comm. 2010
ENEPZ	Museo Zoológico de la Escuela Nacional de Estudios Profesionales, Zaragoza, Campus II, Mexico City	Mexico City	Mexico		Flores-Villela & Hernández 1992

GECEM	Geographical and Exploring Commission of the Republic of México collection of the World Exhibition in New Orleans, LA, 1879–1885. Note: original collection destroyed by fire 29 Aug 1884, second collection Oct 1884–Jan 1885.	Mexico City	Mexico			Wallach et al. 2014
IBH	See CNAR.	Mexico City	Mexico	L85	F&E	Flores-Villela & Hernández 1992
IBHUNAM	See CNAR.	Mexico City	Mexico			Wallach et al. 2014
IBM	See CNAR.	Mexico City	Mexico			Wallach et al. 2014
IBUNAM	See CNPE-IBUNAM.	Mexico City	Mexico		F&E	Castro-Aguirre et al. 2002
IBUNAM-CNPE	See CNPE-IBUNAM.	Mexico City	Mexico			Angulo & Gracian-Negrete 2013
IGM	Instituto de Geología, Universidad Autónoma de México, México City	Mexico City	Mexico			John Bruner pers. comm. 2015
INIBP	Instituto Nacional de la Pesca (INP), Santa Cruz Atoyac, Mexico City. Formerly: Instituto Nacional de Investigaciones Biológico Pesqueras (1962–1971). Also as: EBMP-INP, INP.	Mexico City	Mexico		F&E	Dawson 1969
INP	See INIBP.	Mexico City	Mexico		F&E	
IPN	Instituto Politécnico Nacional, Escuela Nacional de Ciencias Biológicas, Mexico City. Obsolete as: IPNM, IPN-ENCB (fishes). Also as: ENCB-IPN (fishes)	Mexico City	Mexico	L85	F&E	Flores-Villela & Hernández 1992
IPN-ENCB	See ENCB-IPN.	Mexico City	Mexico			Lyons & Mercado-Silva 2004
IPNM	See IPN.	Mexico City	Mexico		F&E	
LBT	Instituto Nacional de Investigaciones Biológico Pesqueras, Laboratorio Biológico, Mexico City	Mexico City	Mexico			Gilbert 1998
MCMC	See MNHNM.	Mexico City	Mexico			http://www.biodiversitycollectio nsindex.org/search/goto/page/0 /index/0/id/33771?search=mcm c
MNHNM	Museo Nacional de Historia Natural, Chapultepec, Mexico City. Alternatively: Museo de Historia Natural de la Ciudad de México. Currently: Museo de Historia Natural y Cultura Ambiental. Also as: MCMC (entomology). Note: various collections transferred to CNPE-IBUNAM (fishes) and CNAR (herps).	Mexico City	Mexico	L85	F&E	http://www.sma.df.gob.mx/mhn /index.php?op=07habiaunavez
MZFC	Museo de Zoología "Alfonso L. Herrera" de la Facultad de Ciencias de la Universidad Nacional Autónoma de México, Mexico City	Mexico City	Mexico			Flores-Villela & Hernández 1992, Meik et al. 2005, Daza et al. 2009, Wallach et al. 2014
UNAM	See CNPE-IBUNAM (fishes), CNAR (herps).	Mexico City	Mexico	L85	F&E	Ferraris 2007
UNAM-CNPE	See CNPE-IBUNAM.	Mexico City	Mexico			Lyons & Mercado-Silva 2004
CPUM	Colección de Peces de la Universidad Michoacana de San Nicolás de Hidalgo. Current as: CPUM (fishes). See also: INIRENA	Michoacán	Mexico		F&E	Domínguez-Domínguez et al. 2009, Pérez-Rodríguez 2009
INIRENA	Instituto de Investigaciones sobre los Recursos Naturales, Universidad Michoacana de San Nicolás de Hidalgo, Morelia. Current as: INIRENA (herps). Also as: UMSNH. See also: CPUM (fishes).	Michoacán	Mexico			Alvarado-Díaz, et al. 2007, Wallach et al. 2014
UMSNH	See CPUM (fishes) and INIRENA (herps)	Michoacán	Mexico			Flores-Villela & Hernández 1992
EBUM	Universidad Autónoma de Morelos, Escuela de Biología, Cuernavaca	Morelos	Mexico			Flores-Villela & Hernández 1992
UANL	Universidad Autónoma de Nuevo León, Facultad de Ciencias Biológicas, Departamento de Zoología de Vertebrados, San Nicolás de los Garza.	Nuevo León	Mexico	L85	F&E	Flores-Villela & Hernández 1992, Gilbert 1998, Wallach et al. 2014
EBUAP	Escuela de Biología, Benemérita Universidad Autónoma de Puebla, Puebla. Current as: EBUAP (herps).	Puebla	Mexico			Flores-Villela & Hernández 1992, Daza et al. 2009, Wallach et al. 2014
ECO-CH	See ECOCH.	Quintana Roo	Mexico		F&E	
ECOCH	El Colegio de la Frontera Sur (ECOSUR), Chetumal. Also as: ECO-CH-H (herps)	Quintana Roo	Mexico		F&E	Rocío Rodiles-Hernández pers. comm. 2010
CES	See CIAD.	Sonora	Mexico			Flores-Villela & Hernández 1992
CIAD	Centro de Investigación en Alimentación y Desarrollo, A.C., Hermosillo. Current as: CIAD (fishes). Also as: CES (herps).	Sonora	Mexico		F&E	van der Heiden & Plascencia González 2005
ITT	Instituto Tecnológico de Ciudad Victoria, Ciudad Victoria	Tamaulipas	Mexico			Wallach et al. 2014
EBMTV	Estación de Biología Marina, Instituto Tecnológico de Veracruz (ITV).	Veracruz	Mexico		F&E	
INIREB	Instituto Nacional de Investigaciones En Recursos Bióticos, Xalapa [Jalapa]. Note: herp collection transferred to ECOSC.	Veracruz	Mexico			Flores-Villela & Hernández 1992, Oscar Flores-Villela & Rocío Rodiles-Hernández pers. comm. 2010

MZUV	Museo de Zoología, Facultad de Biología, Universidad Veracruzana, Xalapa. Also as UVEBT (fishes).	Veracruz	Mexico		Flores-Villela & Hernández 1992
UVEBT	See MZUV.	Veracruz	Mexico		http://www.conabio.gob.mx/informacion/catalogo_autoridades/autoroscolectorescoleccion/Instituciones_Colecciones.xls
CIDOAX	Centro Interdisciplinario de Investigación para el Desarrollo Integral Regional Unidad Oaxaca, Santa Cruz Xoxocotlán.	Oaxaca	México		R. Rodiles-Hernández 2012, pers. comm.
MM	See ZSM.		Monaco		Wallach et al. 2014
MOM	Musée Oceanographique de Monaco		Monaco	L85	F&E
BIUB	Mongolian Academy of Sciences, Biological Institute, Ulan Bator [Ulaanbaatar]. Current as: BIUB (herps).		Mongolia	L85	Böhme 2010
BIP	Biological Institute, Faculty of Natural Sciences and Mathematics, University of Montenegro [Univerzitet Crne Gore], Podgorica; also as BZF, BZT		Montenegro		F&E
ISCM	Institut scientifique de Rabat [formerly Institut Scientifique Chérifien], Rabat		Morocco		Wallach et al. 2014
LMM	See MHNMM.		Mozambique		F&E
MHNMM	Museu de Historia Natural Maputo [formerly Lourenço Marques Museum; Museu Álvaro de Castro], Maputo; also as LMM		Mozambique		F&E
UEMM	Universidade Eduardo Mondlane, Museu de História Natural, Maputo		Mozambique	L85	
ZMYU	Zoological Museum, Faculty of Arts and Sciences, Yangon University [formerly University of Rangoon], Kamayut Township, Yangon		Myanmar		F&E
NMN	See NMNW.		Namibia		F&E
NMNW	National Museum of Namibia [formerly Staatsmuseum Windhoek], Windhoek; current for herps; also as NMN (obsolete), SMWN (obsolete)		Namibia		Bauer & Lamb 2003, Böhme 2010
SMS	Swakopmund Museum, Swakopmund		Namibia	L85	
SMWN	See NMNW.		Namibia	L85	Wallach et al. 2014
NHM	Natural History Museum (1975-), Institute of Science and Technology, Tribhuvan University, Swayambhu, Kathmandu; used in herpetology, see also TUK (fishes) & ZICT (ichthyology, possibly obsolete)		Nepal		Kuch et al. 2005, TU_today_2008.pdf
TUK	Tribhuvan University, Department of Zoology, Kathmandu; see also NHM & ZICT		Nepal		Kottelat 2012:13
ZICT	Zoological Institution Committee, Institute of Agriculture and Animal Science, Tribhuvan University, Kathmandu; possibly obsolete, see also NHM & TUK		Nepal		F&E Shrestha 1980
AG	Academie Groningen, Rijksuniversiteit Groningen, Groningen; destroyed by fire in 1906		Netherlands		Wallach et al. 2014
MG	Museo Laurentii Theodori Gronovii [also as Museum Gronovianum], Lugdunum Batavorum [Leiden]; no longer extant; some fishes to BMNH		Netherlands		Wallach et al. 2014
MHNPB	See RMNH.		Netherlands		Wallach et al. 2014
MLB	Museo Lugdunensi Batavorum, Leiden; no longer extant		Netherlands		Wallach et al. 2014
MPB	See RMNH.		Netherlands		Wallach et al. 2014
NMR	Natuurhistorisch Museum Rotterdam		Netherlands		VertNet 2016
RMNH	Naturalis Biodiversity Center [est. 2013, replaces temporary title: Netherlands Centre for Biodiversity Naturalis]; merger of Naturalis-Nationaal Natuurhistorisch Museum [formerly Rijksmuseum van Natuurlijke Historie, preceded by Museum d'Histoire Naturelle Pays-Bas (MHNPB, MPB)], Zoological Museum Amsterdam (ZMA), and branches of National Herbarium of the Netherlands, Leiden; all ZMA collections relocated from Amsterdam to Leiden in 2012; original ZMA & RMNH catalog numbers retained (e.g., ZMA.PISC & RMNH.PISC for fishes)		Netherlands	L85	F&E Köhler & Güsten 2007, Nguyen et al. 2009, Jan Mol pers. comm. 2010, Ronald de Ruiter pers. comm. 2010, 2013
TSMHN	Teylers Strichtina Museum, Haarlem		Netherlands	L85	
UU	Universiteitsmuseum Utrecht, Universiteit Utrecht, Utrecht		Netherlands		Wallach et al. 2014
ZMA	Zoölogisch Museum, Universiteit van Amsterdam [alternatively Zoological Museum Amsterdam], Amsterdam; ZMA collections officially part of Naturalis Biodiversity Center and relocated to RMNH, Leiden in 2012 (see RMNH).		Netherlands	L85	F&E Jay Savage pers. comm. 2010, Jan Mol pers. comm. 2010
AIM	Auckland War Memorial Museum [formerly Auckland Institute and Museum, name formally changed to Auckland War Memorial Museum in 1996], Auckland; includes herpetological collection of Joan Robb, University of Auckland; AIM retained for consistency		New Zealand	L85	F&E Tom Trnski and Brian Gill pers. comm. 2010, Matt Rayner pers. comm. 2014
CMC	Canterbury Museum, Christchurch		New Zealand	L85	F&E
KA	Edward Percival Field Station, Department of Zoology, University of Canterbury, Kaikoura		New Zealand		Anderson Jr. et al. 2015

NIWA	National Institute of Water and Atmospheric Research, Christchurch	New Zealand		F&E
NMNZ	Museum of New Zealand Te Papa Tongarewa [formerly Colonial Museum, Dominion Museum, National Museum of New Zealand], Wellington; also as NMNZ P. (fishes)	New Zealand	L85	F&E
NZOI	New Zealand Oceanographic Institute [currently National Institute of Water & Atmospheric Research (NIWA)], Wellington; fishes possibly sent to NMNZ	New Zealand		F&E
OM	Otago Museum, Dunedin	New Zealand	L85	F&E
SMAG	Southland Museum and Art Gallery, Invercargill, Southland	New Zealand		F&E
VUW	Victoria University, Wellington; deleted in Leviton & Gibbs 1988 (no cataloged collections, reference material deposited in NMNZ, National Museum of New Zealand)	New Zealand	L85 L&G	F&E
MHUL	Museo Herpetológico de la Universidad Nacional Autónoma de Nicaragua-León, León	Nicaragua		Sunyer et al. 2010, David B. Wake pers. comm. 2010
UI	University of Ibadan [alternatively Nigerias Premier University], Faculty of Science, Zoological Institute, Ibadan; also as ZM/UI	Nigeria	L85	F&E
ZM/UI	See UI	Nigeria		F&E
CMIZASDPK	Custody Museum, Institute of Zoology, Academy of Sciences, Pyongyang	North Korea		F&E
MIZASP	See CMIZASDPK.	North Korea		Kottelat 2012:13
BELUM	The Ulster Museum, Department of Natural Sciences, Belfast	Northern Ireland, UK		F&E
HIFIRE	Havforskningsinstituttet [Institute of Marine Research], Bergen, Hordaland; current for fishes	Norway		Uiblein Franz pers. comm. 2015
NHMO	See ZMUO.	Norway		VertNet 2016
TMU	Tromsø Museum, Universitetsmuseet, Universitetet i Tromsø - Norges arktiske universitet, Tromsø; TMU current for fishes; also as ZMUT (obsolete)	Norway		Uiblein Franz pers. comm. 2015
VM	Vitenskapsmuseet [Museum of Natural History and Archaeology, formerly Det Kongelige Norske Videnskabers Selskab (DKNVS), Museet from 1926-1984], Norges teknisk-naturvitenskapelige universitet i Trondheim (NTNU) [Norwegian University of Science and Technology, formerly University of Trondheim until 1996]; current for fishes; also as VSM (obsolete)	Norway		Bakken 1999
VSM	See VM.	Norway	L85	F&E
ZMBN	See ZMUB.	Norway		http://www.asih.org/codons.pdf
ZMK	See ZMUO.	Norway		Wallach et al. 2014
ZMUB	Universitetsmuseet i Bergen [The University Museum of Bergen, founded in 1825 as Bergens Museum], Universitetet i Bergen, Bergen, Hordaland; ZMUB current for fishes and herps (ZMBN current for invertebrates)	Norway	L85	F&E Bakken 1999
ZMUO	Zoologisk Museum [part of Naturhistorisk museum; formerly Zoologiske Museum, Kristiania (ZMK)], Universitetet i Oslo, Oslo; also as NHMO	Norway	L85	F&E Bakken 1999, Ferraris 2007
ZMUT	See TMU.	Norway		Bakken 1999
CEMBP	Center of Excellence in Marine Biology, University of Karachi, Karachi	Pakistan	L85	F&E
GCM	Government College University, Department of Zoology, Lahore. Also as: GCMNH.	Pakistan	L85	F&E Kottelat 2013
GCMNH	See GCM.	Pakistan		Kottelat 2012:12
H-GSP	Harvard-Geological Survey of Pakistan Project; material to be deposited in PMNH	Pakistan		Wallach et al. 2014
MSK	Muhammed Sharif Khan private collection, Rabwah	Pakistan		Wallach et al. 2014
PMNH	Pakistan Museum of Natural History, Islamabad; current for herps	Pakistan		Baig 1989, Böhme 2010
QMP	Quetta Museum, Quetta, Baluchistan; no longer extant	Pakistan		Wallach et al. 2014
UPL	University of the Punjab, Faculty of Science, College of Earth and Environmental Sciences, Department of Zoology, Lahore	Pakistan		F&E
ZSP	Zoological Museum, Zoological Survey Department, Government of Pakistan [alternatively as Zoological Survey of Pakistan], Karachi	Pakistan	L85	F&E
CHP	Circulo Herpetologico de Panama; specimens housed and maintained at Smithsonian Tropical Research Institute (STRI)	Panama		Savage et al. 2013, Jay Savage pers. comm. 2013
CoZEM	Colección Zoológica Dr. Eustorgio Méndez [formerly Colección de Referencia del Laboratorio Conmemorativo Gorgas, founded in 1957], Instituto Conmemorativo Gorgas de Estudios de la Salud (ICGES), Panama City; current for fishes and herps	Panama		Ángel Sosa pers. comm. 2012
MHCH	Museo Herpetologica de Chiriquí, David, Chiriquí	Panama		Köhler et al. 2007
MVUP	Museo de Vertebrados, Universidad de Panamá, Panama City; also as UP (presumably obsolete or never adopted)	Panama		Köhler et al. 2007

STRI	Smithsonian Tropical Research Institute, Balboa, Ancón; also houses and maintains herp collection of Circulo Herpetologico de Panama (CHP)	Panama	L85	F&E	Jay Savage pers. comm. 2013
UP	See MVUP.	Panama	L85		
KFRS	Kanudi Fisheries Research Station, National Fisheries Authority, Konedobu [abandoned, salvage at UPNG]; previously known as Department of Fishery & Marine Resources; also as KFRI	Papua New Guinea	L85	L&G	F&E
PNGM	National Museum and Art Gallery, Port Moresby	Papua New Guinea	L85	L&G	F&E
UPNG	University of Papua and New Guinea, Port Moresby; includes material salvaged from KFRS, Kanudi Fisheries Research Station (G. Allen pers. comm. 2008 in Fricke & Eschmeyer 2010)	Papua New Guinea	L85	L&G	Wallach et al. 2014
CZCEN	Colección Zoológica de la Facultad de Ciencias Exactas y Naturales, Universidad Nacional de Asunción, Asunción; CZCEN current for fishes; also as CZFCEN (in error)	Paraguay		F&E	Calegari et al. 2011, Andrea Weiler pers. comm. 2015
CZFCEN	See CZCEN.	Paraguay			Ota et al. 2015:220
IIBP	Instituto de Investigación Biológica del Paraguay, Asunción; includes herps from Colección Biológica Arnoldo de Winkelried Bertoni	Paraguay			Kolenc et al. 2011:514
MHNIB	Colección de Referencia, Itaipú Binacional, Ciudad del Este, Alto Paraná; current for fishes	Paraguay			Kullander & Lucena 2013
MHNP	See MNHNP.	Paraguay			Bornschein et al. 2015
MNHNP	Museo Nacional de Historia Natural del Paraguay, San Lorenzo [near Asunción]. Also as: MHNP (herps).	Paraguay	L85	F&E	Ferraris 2007, Kullander & Lucena 2013, Wallach et al. 2014
CORBIDI	Centro de Ornitología y Biodiversidad, Lima; current for herps	Peru			Venegas et al. 2013, Peter Uetz pers. comm. 2014
IIAP	Instituto de Investigaciones de la Amazonía Peruana, Iquitos; current for fishes	Peru			García-Dávila et al. 2013
IMARPE	Instituto del Mar del Perú, Lima	Peru	L85	F&E	
MHNCP	Museo de Historia Natural, Universidad Nacional de San Antonio Abad del Cusco, Cusco	Peru			Böhme 2010
MHNJP	See MUSM.	Peru	L85	F&E	Wallach et al. 2014
MHNSM	See MUSM.	Peru			Böhme 2010, Wallach et al. 2014
MUSA	Museo de Historia Natural, Universidad Nacional de San Agustín de Arequipa, Arequipa; includes collection of Dr. Alfredo Corzo Masías from University of Arequipa Department of Zoology (UADZ); current for herps; also as UADZ, U.A. (both obsolete)	Peru			Santa-Cruz et al. 2016, R. Santa-Cruz pers. comm. 2016
MUSM	Museo de Historia Natural, Universidad Nacional Mayor de San Marcos, Lima; also as MHNJP (Museo de Historia Natural "Javier Prado", obsolete), MHNSM (amphibians), UNMSM.	Peru		F&E	Böhme 2010
MZUNAP	See UNAP.	Peru			Poe et al. 2015
U.A.	See MUSA.	Peru			Schmidt & Walker 1943
UADZ	See MUSA.	Peru			Wallach et al. 2014
UNAP	Universidad Nacional de la Amazonía Peruana, Iquitos; also as MZUNAP (herps)	Peru			Sousa & Rapp Py-Daniel 2005
UNMSM	See MUSM.	Peru			
URP	Museo de Historia Natural "Vera Alleman H.", Universidad Ricardo Palma, Lima; current for amphibians	Peru			Böhme 2010
AQDM	Aquaculture Department Museum, Southeast Asian Fisheries Development Center, Tigbauan, Iloilo City, Panay	Philippines		L&G	
BSM	See BSMP.	Philippines			Nguyen et al. 2009, Wallach et al. 2014
BSMP	Bureau of Science (BSM), Manila, Luzon. Note: completely destroyed Jan 1945 during World War II	Philippines		F&E	Ferraris 2007, Wallach et al. 2014
PNM	National Museum of the Philippines [formerly Philippine National Museum], Manila, Luzon; also as PNMI; PNM current for fishes & herps	Philippines	L85	F&E	Rösler et al. 2006, Last et al. 2014, Siler et al. 2016
STUM	Santo Tomas University, Museum of the Arts and Sciences, Manila	Philippines	L85		
SUML	Silliman University Marine Laboratories, Dumaguete, Negros Oriental. Current as: SUML (fishes). Also as: SUP (herps)	Philippines			Last et al. 2014
SUP	Silliman University, Dumaguete, Negros Oriental. Also as: SUML (fishes)	Philippines			Wallach et al. 2014

UPLB	University of the Philippines Los Baños, Animal Biology Division, Institute of Biological Sciences, Los Baños, Laguna Province; current for fishes	Philippines			Randall & Allen 2010:282, Gerry Allen pers. comm. 2014
UPMSI	Marine Science Institute, University of the Philippines Diliman, Quezon City	Philippines			F&E
WPU-PPC	Western Philippines University, Puerto Princesa City Campus, Biological Collection, Puerto Princesa City	Philippines			F&E
HEL	See HML.	Poland			http://www.asih.org/codons.pdf
HML	Hel Marine Station [formerly Laboratory], University of Gdańsk [Stacja Morska Instytutu Oceanografii Uniwersytetu Gdańskiego], Hel; also as HEL	Poland			F&E
IZPAN	Muzeum I Instytut Zoologii [formerly Zoologiczny], Polskiej Akademii Nauk [Polish Academy of Sciences], Warsaw; also as ZPPAN (obsolete)	Poland			F&E Kottelat 2013, Wallach et al. 2014
KM	See ZZSD.	Poland	L85		
MEPAN	Museum of Evolution [Muzeum Ewolucji], Paleobiological Institute, Polish Academy of Sciences, Warszawa	Poland			F&E
MPUW	Muzeum Przyrodnicze, Uniwersytet Wrocławski [University of Wrocław, formerly University of Breslau], Wrocław, Lower Silesia; also as NMHW (perhaps current for fishes), UWZM (obsolete, occupied by University of Wisconsin Zoological Museum); see also MLH, ZPW, ZPWM	Poland			Jay Savage pers. comm. 2010
NMHW	See MPUW.	Poland			Kottelat 2012:13
UWZM	See MPUW.	Poland			F&E
ZPPAN	See IZPAN.	Poland			Wallach et al. 2014
ZPW	Zakład Paleozoologii, Instytut Zoologiczny, Uniwersytet Wrocławski [University of Wrocław, formerly University of Breslau], Wrocław, Lower Silesia; see also MPUW, ZPWM	Poland			Wallach et al. 2014
ZPWM	Zakład Mineralogii, Instytut Geologicznych, Uniwersytet Wrocławski [University of Wrocław, formerly University of Breslau], Wrocław, Lower Silesia; see also MPUW, ZPW	Poland			Wallach et al. 2014
ZSS	Zoologische Sammlung zu Stettin, Szczecin	Poland			Wallach et al. 2014
ZZS	See ZZSD.	Poland			Wallach et al. 2014
ZZSD	Muzeum Przyrodnicze Instytutu Systematyki i Ewolucji Zwierząt [Institute of Systematics and Evolution of Animals (since 1989); formerly Institute of Systematic and Experimental Zoology; also as Kraków Natural History Museum], Polish Academy of Sciences, Kraków [Cracow]; KM proposed by Leviton et al. 1985, but apparently not adopted; also as ZZS	Poland			Wallach et al. 2014
AVG	Aquário Vasco da Gama, Lisboa	Portugal	L85		
BML	See MB.	Portugal			Wallach et al. 2014
CZ-IICT	Centro de Zoologia, Instituto de Investigação Científica Tropical [since 1982, formerly Junta de Investigações Científicas do Ultramar (JICU) ca. 1973-79], Lisboa [Lisbon]; also as CZL (obsolete)	Portugal			Gans 1976, P. Uetz pers. comm. 2014
CZL	See CZ-IICT.	Portugal			Gans 1976, P. Uetz pers. comm. 2014
INIP	Instituto Nacional de Investigação das Pescas e do Mar, Algés, Lisboa; also as IPIMAR	Portugal	L85		F&E
MB	Museu Bocage [alternatively Museu Nacional de História Natural], Universidade de Lisboa, Lisboa [Lisbon]; original collection destroyed by fire 18 Mar 1978; also as MBL (current for herps) & BML	Portugal	L85		F&E Wallach et al. 2014
MBL	See MB.	Portugal			González-Fernández et al. 2009
MCM	Museu Carlos Machado, Ponta Delgada, Azores	Portugal	L85		F&E
MZC	Museu Zoológico da Universidade de Coimbra, Coimbra	Portugal	L85		
MZP	Museu e Laboratório Zoológico, Instituto de Zoologia e Estação de Zoologia Marítima do Dr. Augusto Nobre [Museu de Zoologia Augusto Nobre, Museu de História Natural], Universidade de Porto, Porto	Portugal	L85		
MZUPRRP	Museo Zoológico, University of Puerto Rico at Rio Piedras [collections separate from University of Puerto Rico at Mayagüez (UPR)]; current for institution and specimen labels, MZ plus catalog number used for collection database; also as UPRRP, UPR-RP (both obsolete).	Puerto Rico			Mahmoud Aboukheir, pers. comm. 2013
UPR	University of Puerto Rico at Mayagüez [collections separate from Museo Zoológico, University of Puerto Rico at Rio Piedras (MZUPRRP)]; also as UPRM	Puerto Rico			F&E Wallach et al. 2014
UPRM	See UPR.	Puerto Rico	L85		Poss & Collette 1995:69
UPRRP	See MZUPRRP.	Puerto Rico	L85		

CARE	Private collection of Alberto R. Estrada (herps)	Puerto Rico?			Díaz et al. 2005
IBTS	See ISBB.	Romania	L85	F&E	Holčík & Hensel 1974
INCDS	See INCDSB.	Romania			Wallach et al. 2014
INCDSB	Institutul National de Cercetare-Dezvoltare pentru Stiinte Biologice, Bucuresti [Bucharest]	Romania			http://www.dbiuro.eu/
ISBB	Institutul de Stiinte Biologice, Bucuresti [formerly Institutul de Biologie "Traian Săvulescu" (IBTS), now Institutul de Biologie Bucuresti al Academiei Române], Bucuresti Bucharest]; also as IBTS	Romania	L85	F&E	Kottelat 2013
ISER	Institutul Speologie "Emil G. Racovita", Bucuresti [Bucharest]; fishes presumably transferred to ISBB.	Romania			F&E
MGAB	Muzeul de Istorie Naturala "Grigore Antipa", Bucuresti [Bucharest]. Obsolete as: MHNGA, MINB. Current as: MGAB.	Romania	L85	F&E	Kottelat 2012:13, Kottelat 2013
MINB	See MGAB.	Romania			F&E
NHMB	See MGAB.	Romania			F&E
AHCCCP	Acad. F.N. Chernyshev Central Scientific Geological and Prospecting Museum [also as F.N. Chernyshev Central Museum of Geological Research], St. Petersburg [formerly Leningrad]; also as CNIGR	Russia			Wallach et al. 2014
AIS	See ZIN.	Russia			Wallach et al. 2014
CNIGR	See AHCCCP.	Russia			Wallach et al. 2014
CSBR	See CSNBR.	Russia			Wallach et al. 2014
CSNBR	Caucasian State Nature Biosphere Reserve Collection, Sochi; also as CSBR & SD (Scientific Department) CSNBR	Russia			Wallach et al. 2014
FESU	See ZMFESU	Russia			
IOAN	See IORAS.	Russia	L85		Wallach et al. 2014
IOM	See IORAS.	Russia			F&E
IORAN	See IORAS.	Russia			F&E Kotlyar 2009
IORAS	P.P. Shirshov Institute of Oceanology, Russian Academy of Sciences, Moscow; also as IOAN, IOM, IORAN, PPSIO (all apparently obsolete for fishes)	Russia			Borodulina 2008, Shakhovskoy & Parin 2013
MIMB	Museum of A.V. Zhirmunsky Institute of Marine Biology, Far East Branch of the Russian Academy of Sciences, Vladivostok [=Vladyvostok]; current for fishes & herps	Russia			F&E Vladimir E. Kharin pers. comm. 2010
MLSU	St. Petersburg [formerly Leningrad] State University, Zoological Museum, St. Petersburg	Russia	L85		
MMSU	See ZMMU	Russia	L85	L&G	F&E
MT	See TINRO.	Russia			F&E
PIAN	Paleontogichesky Institut [Paleontological Institute], Akademia Nauk, Moscow	Russia			Wallach et al. 2014
PINRO	[Knipovich] Polar Research Institute for Sea Fisheries and Oceanography, Murmansk	Russia		L&G	
PPSIO	See IORAS.	Russia			F&E
SD CSNBR	See CSNBR.	Russia			Wallach et al. 2014
SIPT	State Institute of Pedagogy, Tiraspol	Russia			Wallach et al. 2014
TINRO	Marine Museum of Pacific Fisheries Research Center [previously as Pacific Ocean Research Institute for Sea Fisheries and Oceanography], Vladivostok [=Vladyvostok]; current for fishes & herps; for fishes also as TINRO-tsentr P (current) and MT (obsolete).	Russia		L&G	F&E Cheblukov et al. 2007, Ivankova 2007, Vladimir E. Kharin pers. comm. 2010
VNIROA	Kaspiiskogo basseinovogo filiala, VNIRO, Astrakhan	Russia			F&E
ZIAS	See ZIN.	Russia			F&E
ZIL	See ZIN.	Russia	L85	L&G	Böhme 2010
ZIN	Zoological Institute, Russian Academy of Sciences, St. Petersburg [formerly Leningrad]; replacement for ZIL (obsolete); also as AIS (Académie Impériale des Sciences, obsolete), ZIAS, ZISP	Russia		L&G	F&E Ferraris 2007, Wallach et al. 2014
ZISP	See ZIN.	Russia			F&E Ferraris 2007, David et al. 2007, Nguyen et al. 2009
ZMFESU	Zoological Museum of Far Eastern State University, Vladivostok [=Vladyvostok]; current for fishes & herps	Russia			Cheblukov et al. 2007, Kharin 2005, Vladimir E. Kharin pers. comm. 2010
ZMISU	Zoological Museum, The Faculty of Biology and Soil Science, Irkutsk State University, Irkutsk	Russia			F&E Knizhin & Weiss 2009
ZMMGU	See ZMMU.	Russia		L&G	F&E

ZMMSU	See ZMMU.	Russia		http://www.asih.org/codons.pdf
ZMMU	Zoological Museum of Mikhail V. Lomonosov, Moscow State University [formerly Natural History Cabinet of Moscow Imperial University (1791-1930)]; current for fishes & herps; also as MMSU, ZMMGU, ZMMGY, ZMMSU (all obsolete)	Russia		F&E Ferraris 2007, Kotlyar 2008, Nguyen et al. 2009, Böhme 2010
ZMTU	Zoologičeskogo Muzei (Museum of Zoology), Tomsk State University, Tomsk	Russia		F&E
KAUMM	King Abdulaziz University Marine Museum, Jeddah, Saudi Arabia (temporarily housed at SMF); current for fishes	Saudi Arabia		Craig et al. 2015
SNMNH	National Museum [alternatively as Saudi Arabian National Museum], Department of Natural History, Riyadh	Saudi Arabia		F&E
GLAHM	The Hunterian Museum and Art Gallery, University of Glasgow, Glasgow; also GMNGZ (obsolete), HMG (obsolete).	Scotland, UK		Fischer et al. 2012
GMNGZ	See GLAHM.	Scotland, UK	L85	F&E
HMG	See GLAHM.	Scotland, UK		Wallach et al. 2014
NMSZ	National Museums of Scotland, Edinburgh. Formerly: Royal Scottish Museum until 1985.	Scotland, UK		F&E Ferraris 2007, Anderson & Heemstra 2012:3, Wallach et al. 2014
RCSE	The Royal College of Surgeons of Edinburgh, Surgeon's Hall Museums, Edinburgh	Scotland, UK		F&E
RSM	Royal Scottish Museum, Edinburgh	Scotland, UK	L85	Wallach et al. 2014
IFAN	Institut Fondamental d'Afrique Noire [formerly Institut Français d'Afrique Noire (-1960)], Dakar; current for herps	Senegal	L85	F&E Köhler & Güsten 2007, Böhme 2010, Wallach et al. 2014
IRD	Institut de Recherche pour le Développement (ORSTOM), Dakar	Senegal		Wallach et al. 2014
BIK	See BIKU.	Serbia		F&E
BIKU	Institute of Biology and Ecology [formerly Biological Institute Kragujevac], Faculty of Mathematics and Natural Sciences, University of Kragujevac, Kragujevac; also as BIK	Serbia		Kottelat 2012:12
NMS	See ZRC.	Singapore	L85	F&E
NUS	See ZRC.	Singapore		Wallach et al. 2014
RM	See ZRC.	Singapore		Wallach et al. 2014
RMBR	See ZRC.	Singapore		F&E Wallach et al. 2014
USDZ	See ZRC.	Singapore	L85	
ZRC	Lee Kong Chian Natural History Museum [LKCNHM, .est. 2015; formerly Raffles Museum of Biodiversity Research (RMBR) est. 1998 which housed the Zoological Reference Collection (ZRC) of the National Museum of Singapore (NMS or SNM), est. 1965, preceded by the original Raffles Museum, est. 1878]; includes collections of the former National University of Singapore (NUS or USDZ) and Nanyang University; ZRC current for fishes and herps; also as NMS, NUS, RM, RMBR, USDZ, ZRCS	Singapore		F&E Ng & Kim 2008, Böhme 2010, Bohlen et al. 2016
ZRCS	See ZRC.	Singapore		F&E
BM	See SNMB.	Slovakia		Wallach et al. 2014
CU-RY	Comenius University, Ichthyological collection of the Faculty of Sciences, Bratislava	Slovakia		Holčík & Hensel 1974
LFRH	Laboratory of Fishery Research and Hydrobiology, Slovak Academy of Agricultural Sciences, Bratislava	Slovakia		Holčík & Hensel 1974
SNM	See SNMB.	Slovakia		F&E Kottelat 2012:13
SNMB	Slovak National Museum [Slovenské národné múzeum], Natural Science Museum, Bratislava; also as SNHM, SNM (SNM-RY for fishes); questionably synonymous with Bratislava Museum [BM, partially destroyed 9 Sep 1944]	Slovakia	L85	F&E Ferraris 2007, Holčík & Hensel 1974
ML	Prirodoslovni muzej Slovenije (Slovenian Museum of Natural History), Ljubljana; also as MLSU	Slovenia	L85	Ursenbacher et al. 2006
A.M.	See AMG.	South Africa		Fitzsimons 1941
AMG	Albany Museum, Grahamstown; also as AM (herps) & AMSA/P	South Africa	L85	F&E Fitzsimons 1941, Wallach et al. 2014
AMSA/P	See AMG.	South Africa		Eccles et al. 2011
DM	Durban Museum and Art Gallery, Durban	South Africa	L85	
DSP	Fitzsimons' Snake Park, Durban	South Africa	L85	
EKZNW	Ezemvelo KZN Wildlife [formerly Natal Parks Board], Cascades, KwaZulu-Natal; also as NMP/NPB	South Africa		F&E
K.M.	See MMK.	South Africa		Fitzsimons 1941
KMK	Amathole Museum [formerly Kaffrarian Museum], King William's Town	South Africa	L85	

KNP	Kruger National Park, Skukuza, Transvaal	South Africa	L85	
MMK	McGregor Museum [formerly Alexander McGregor Memorial Museum], Kimberley, Cape Province; also as K.M. (herps, obsolete)	South Africa	L85	
NMBO	National Museum, Bloemfontein, Orange Free State	South Africa	L85	
NMP	Natal Museum (alternative name available in isiZulu language), Pietermaritzburg, Natal; also as NMSA	South Africa	L85	F&E
NMP/NPB	See EKZNW.	South Africa		F&E
NMSA	See NMP.	South Africa		F&E
ORI	Oceanographic Research Institute, Durban	South Africa	L85	F&E
PEM	Port Elizabeth Museum, Bayworld, Port Elizabeth; current for herps	South Africa	L85	F&E Böhme 2010, Wallach et al. 2014
RUSI	Rhodes University and the Council for Scientific and Industrial Research, J.L.B. Smith Institute of Ichthyology, Grahamstown; obsolete, renamed South African Institute for Aquatic Biodiversity (SAIAB)	South Africa	L85	F&E
SAIAB	South African Institute for Aquatic Biodiversity [formerly Rhodes University, J.L.B. Smith Institute of Ichthyology (RUSI)], Grahamstown; current for fishes	South Africa		F&E
SAM	South African Museum, Cape Town; current for fishes & herps	South Africa	L85	F&E Anderson Jr. et al. 2015, Wallach et al. 2014
SUM	Stellenbosch University, John R. Ellerman Museum of Zoology [Resource Centre], Cape Town	South Africa	L85	
TM	See TMP (Transvaal Museum).	South Africa		Fitzsimons 1941, Böhlke 1984:127, Ferraris 2007, Böhme 2010
TMP	Ditsong National Museum of Natural History [formerly Transvaal Museum, Northern Flagship Institution], Pretoria, Gauteng Province; fish types at AMG; also as TM (fishes & herps, obsolete) & TMSA (herps).	South Africa	L85	F&E Wallach et al. 2014
TMSA	See TMP.	South Africa		Salvidio et al. 2004, P. Uetz pers. comm. 2015
UND	University of Natal, Durban	South Africa	L85	
WUM	University of the Witwatersrand, Johannesburg, Cape Province	South Africa	L85	
BCU	See BCUE.	South Korea		F&E
BCUE	Department of Biology, The Graduate School of Higher Education, Cheongju University, Jeonju, [Chonju]; also as BCU	South Korea		F&E Ferraris 2007
BEKU	Department of Biology, Teacher's College, Kyungpook National University, Daegu	South Korea		F&E
BKNU	Kunsan National University, Department of Biology, Gunsan, Jeollabuk-do	South Korea		F&E
CNU	Chonbuk National University, Division of Biological Science, College of Natural Science, Jeonju, [Chonju]; also as CNUC, CUBK, CNUCK	South Korea		F&E
CNUC	See CNU.	South Korea		F&E Kottelat 2012:12
CNUCK	See CNU	South Korea		F&E
CUBK	See CNU.	South Korea		F&E
EWNHM	Ewha Womens University, Ewha Natural History Museum, Seoul; see also SMU.	South Korea		F&E
FSIU	Laboratory of Fisheries, Department of Oceanography, College of Natural Science, Inha University	South Korea		F&E
KIFB	Korean Institute of Freshwater Biology, Seoul; Some specimens moved to SMU.	South Korea		F&E
KIU	Seoul National University [formerly Keijo Imperial University; Kyōngsōng University], Preparatory Department, Seoul; Historical collections destroyed in Korean War, 1950-1953	South Korea		F&E
SMU	Sang-myung University [formerly Sang-myung Women's University, SMWU], College of Natural Sciences, Life Science, Seoul; also as SMWU (obsolete), EWNHM.	South Korea		F&E Kawase & Hosoya 2010
SMWU	See SMU.	South Korea		F&E
SNU	Seoul National University, Korea Bio-MAX Institute, Seoul; also as KIU	South Korea		F&E
SUBC	Seowon University, Department of Biology, Cheongju	South Korea		Kottelat 2012:13
SUC	Collection of the Department of Life Science and Biotechnology, Soonchunhyang University, Asan, South Chungcheong province	South Korea		Song & Bang 2015
CCML	Colección Ictiológica, Departamento de Ciencias Marinas, Universidad de La Laguna, La Laguna, Tenerife (Canary Islands); herps (amphibians) at same university cited as DZUL, ZLU	Spain		F&E Böhme 2010
CEP	Centro de Experimentación Pesquera Fish Collection, Gijón, Asturias	Spain		Arronte & López 2008

CET	Centro de Estudios Tropicales, Sevilla; current for herps (amphibians)	Spain		Böhme 2010
DZUL	Departamento de Zoología, Universidad de La Laguna, La Laguna, Tenerife (Canary Islands); fishes at same university cited as CCML; also as ZLU (amphibians)	Spain		Böhme 2010
DZV	Departament de Biologia Animal, Facultat de Biologia, Universitat de Barcelona, Barcelona; DZV current for herps (amphibians) but IBAB current for fishes	Spain		Serra-Cobo 1993, González-Fernández et al. 2009
EBD	Estación Biológica de Doñana (CSIC), Sevilla; current for herps (amphibians) and fishes	Spain		González-Fernández et al. 2009, Böhme 2010, Stephen D. Busack pers. comm. 2015
IBAB	Institut de Biologia Aplicada [presumably now Departament de Biologia Animal], Facultat de Biologia, Universitat de Barcelona, Barcelona; also as UBMZ (obsolete); IBAB current for fishes, but DZV current for herps (amphibians)	Spain		Devaere et al. 2007, http://www.ub.edu/bioani/presentacio.htm
ICM	See IIPB.	Spain		F&E
ICP	See IPS.	Spain		Bolet et al. 2014
IEOST	Instituto Español de Oceanografía, Santander	Spain		Bañón et al. 2014
IEOV	Instituto Español de Oceanografía, Vigo, Pontevedra; current for fishes	Spain		F&E Randall & Yamakawa 2006
IIPB	Institut de Ciències del Mar de Barcelona [formerly Instituto de Investigaciones Pesqueras of CSIC], Departament de Biologia Marina i Oceanografia, Barcelona; current for fishes; also as ICM	Spain	L&G	F&E Anderson & Heemstra 2012:3
IPE	Instituto Pirenaico de Ecología (CSIC), Jaca, Zaragoza. Current as: IPE (herps)	Spain		Serra-Cobo 1993, González-Fernández et al. 2009
IPS	Institut Català de Paleontologia "Miquel Crusafont" [formerly Institut de Paleontologia de Sabadell], Universitat Autònoma de Barcelona, Cerdanyola del Vallès; current for paleo	Spain		Bolet et al. 2014, Wallach et al. 2014
LV	"Laboratorio de Vigo", presumably the coastal laboratory originally associated with Instituto de Investigaciones Pesqueras de Barcelona (1951-78), then independent as Instituto de Investigaciones Pesqueras de Vigo (1978-1986) and renamed Instituto de Investigaciones Mariñas (IIM) in 1986; current status of collection unknown	Spain	L85	Maul 1969
MCLSBB	See MCSBCN.	Spain		F&E
MCNA	Museo de Ciències Naturals de Alava, Vitoria	Spain		Wallach et al. 2014
MCNB	Museu de Ciències Naturals de Barcelona [formerly Museu de Zoologia & Museu de Geologia, combined under new name in 2000]; also as MZBE (amphibians), MZB (herps)	Spain		VerNet 2016
MCNSC	See TFMC.	Spain		Böhme 2010
MCSBCN	Museo del Colegio La Salle Bonanova de Ciencias Naturales, Barcelona; current for fishes; also as MCLSBB (obsolete)	Spain		F&E Wildekamp & Malumbres 2004
MMC	Museu de les Mines de Cerçs, Sant Corneli, Barcelona; current for fossil herps	Spain		Blanco et al. 2014
MNCN	Museo Nacional de Ciencias Naturales (CSIC), Madrid. Current as: MNCN.	Spain	L85	F&E González-Fernández et al. 2009, Böhme 2010, Kottelat 2012:13, Wallach et al. 2014
MZB	See MZBE.	Spain		Serra-Cobo 1993
MZBE	See MCNB.	Spain		F&E Serra-Cobo 1993, González-Fernández et al. 2009
MZNA	Museo de Ciencias Naturales de la Universidad de Navarra [Museum of Zoology of the University of Navarra], Pamplona; current for fishes & herps	Spain		Salinas & Ariño 2000, Rafael Miranda pers. comm. 2010
TFMC	Museo de la Naturaleza y del Hombre, Museo de Ciencias Naturales, Santa Cruz de Tenerife (Canary Islands); also as MCNSC (amphibians)	Spain		F&E Böhme 2010
UAB	Universidad Autónoma de Barcelona, Facultat de Biociències, Departament de Biologia, Zoologia, Bellaterra, Barcelona	Spain	L85	F&E
UBMZ	See IBAB.	Spain		F&E
UZA	Unidad de Zoología Aplicada, Departamento de Ecología, Consejería de Agricultura y Ganadería, Comunidad Autónoma de Madrid, Madrid	Spain		F&E
VBCM	Universidad Complutense de Madrid, Catedra de Vertebrados, Departamento de Zoología y Antropología, Facultad de Ciencias Biológicas, Madrid	Spain	L85	F&E
ZLU	See DZUL.	Spain		Böhme 2010
CMS	See NMSL.	Sri Lanka	L85	F&E Wallach et al. 2014
NARA	National Aquatic Resources Research and Development Agency, Colombo	Sri Lanka		F&E

NMSL	The National Museum of Sri Lanka, Colombo; current for herps; also as NMSL WHT (for fishes & herps formerly deposited at Wildlife Heritage Trust of Sri Lanka; also as CMS (obsolete)	Sri Lanka			F&E	Ferraris 2007, Batuwita & Pethiyagoda 2012, Pethiyagoda et al. 2012
WCSG	Wildlife Conservation Society of Galle, Galle	Sri Lanka				Batuwita et al. 2013:122
WHT	Wildlife Heritage Trust of Sri Lanka, Colombo; fishes & herps now deposited in National Museum of Sri Lanka, Colombo, and cited as NMSL WHT	Sri Lanka			F&E	Batuwita & Pethiyagoda 2012, Pethiyagoda et al. 2012, Wallach et al. 2014
SNHMK	Sudan Natural History Museum, Khartoum	Sudan			F&E	
UKS	University of Khartoum, Natural History Museum, Khartoum	Sudan	L85			
NZCS	National Zoological Collection of Suriname, Anton de Kom University of Suriname, Paramaribo; includes collections formerly at SMP (obsolete)	Suriname				http://nzcs.uvs.edu/About2.htm
SMP	Surinaams Museum, Paramaribo; obsolete, transferred to NZCS.	Suriname	L85			
EM	See UUZM.	Sweden				VertNet 2016
GNHM	See GNM.	Sweden			F&E	Köhler & Güsten 2007, Böhme 2010
GNM	Göteborgs Naturhistoriska Museum, Göteborg [Gothenburg]. Obsolete as: GNHM, NHMG, NMG. Current as: GNM.	Sweden		L&G	F&E	Böhme 2010, Wallach et al. 2014
JA	Jonae Alströmer collection; donated to Carl Linnaeus and eventually to NRM and UUZM	Sweden				Rhodin & Carr 2009, Wallach et al. 2014
MAFR	Museum Adolphi Friderici Regis; shorthand for both collections maintained by King of Sweden, Adolf Fredrik (1710-1771), and publications by Carl Linnaeus describing those collections (also as MDR); most specimens transferred to collections of Royal Swedish Academy of Sciences in 1801 which became the Swedish Museum of Natural History (NRM) in 1828	Sweden				Wallach et al. 2014, http://linnaeus.nrm.se/zool/madfrid.html.en
MDR	See MAFR.	Sweden				Wallach et al. 2014
MP	Museum principis [also as Museum Adolpho-Fridericianum], private collection of Crown-Prince Adolf Fredrik, donated to UUZM in 1745.	Sweden				Wallin 2001, Wallach et al. 2014
MZLU	Zoologiska museet, Lunds universitet [Museum of Zoology, Lund University], Lund; also as ZML, MZUL, ZMUL	Sweden				VerNet 2016
MZUL	See ZMUL.	Sweden			F&E	
NHMG	See GNM.	Sweden	L85	L&G	F&E	Böhme 2010, Wallach et al. 2014
NHR	See NRM.	Sweden				Wallach et al. 2014
NHRM	See NRM.	Sweden	L85	L&G	F&E	Nguyen et al. 2009, Sven Kullander pers. comm. 2010
NHRS	See NRM.	Sweden				
NMG	See GNM.	Sweden				
NRM	Naturhistoriska riksmuseet [Swedish Museum of Natural History], Department of Vertebrate Zoology, Stockholm; current for Recent fishes & herps (NHRM sensu Leviton et al. 1985 not adopted, NRMS obsolete); alternative abbreviations used for entomology (NHRS) and invertebrates (SMNH); also as NHR (obsolete); see also NRM-PZ (paleo fishes & herps)	Sweden		L&G	F&E	Köhler & Güsten 2007, Sven Kullander pers. comm. 2010
NRM-PZ	Naturhistoriska riksmuseet [Swedish Museum of Natural History], Department of Palaeozoology, Stockholm; collection codes include NRM-PZ C. (Cyclostomata), NRM-PZ P. (Pisces), NRM-PZ B. (Batrachia), NRM-PZ R. (Reptilia); also as SMS (Arratia & Schultze 2013); see also NRM (Recent fishes & herps)	Sweden				Sven Kullander pers. comm. 2010, Arratia & Schultze 2013:88
NRMS	See NRM.	Sweden			F&E	
PMU	Uppsala Universitet, Evolutionsmuseet, Paleontologi [Uppsala University, Museum of Evolution, Palaeontology, formerly Paleontological Museum of Uppsala University]. Current as: PMU (paleo). See also: UUZM (Recent fishes and herps).	Sweden				Poropat & Kear 2013
SMNH	See NRM.	Sweden			F&E	
SMS	See NRM.	Sweden				Arratia & Schultze 2013:88
UUZM	Uppsala Universitet, Evolutionsmuseet [Uppsala University, Museum of Evolution, Zoology section], Uppsala. Current as: UUZM (Recent fishes and herps). Obsolete as: EM, ZIU, ZIUU, ZMU, ZMUU. See also: PMU (paleo)	Sweden			F&E	Wallin 1996, Wallin 2001, Kottelat 2013
ZIU	See UUZM.	Sweden				Kottelat 2013
ZIUS	Zoologiska Institutionen, Stockholms Universitet, Stockholm	Sweden	L85			Wallach et al. 2014
ZIUU	See UUZM.	Sweden				Jay Savage pers. comm. 2010

ZML	See ZMUL.	Sweden			F&E
ZMU	See UUZM.	Sweden			F&E
ZMUL	See MZLU.	Sweden	L85		F&E Ferraris 2007
ZMUU	See UUZM.	Sweden	L85		F&E Ferraris 2007, Kottelat 2013, Wallach et al. 2014
CMK	Maurice Kottelat Personal Collection, Cornol; See also ZSM/CMK.	Switzerland			F&E
EAWAG	Eidgenössische Anstalt für Wasserversorgung, Abwasserreinigung und Gewässerschutz [Swiss Federal Institute of Aquatic Science and Technology], Kastanienbaum	Switzerland	L85	L&G	F&E Kottelat 2012:12
MCSN	See MCSNL.	Switzerland			López-Arbarello et al. 2016
MCSNL	Museo Cantonale di Storia Naturale [Musée Cantonal de Zoologie], Lugano [Lausanne]. Formerly: Musée de Zoologie. Current as: MCSNL (paleo). Also as: MCSN (paleo), MCZL (Recent fishes).	Switzerland			Lombardo 2013
MCZL	See MCSNL.	Switzerland			Kottelat 2013
MHNB	See NMBA.	Switzerland	L85	L&G	
MHNC	Musée d'histoire naturelle, La Chaux-de-Fonds; also as MHNLCDF (possibly obsolete)	Switzerland	L85		
MHNF	Musée d'Histoire Naturelle, Université de Fribourg, Fribourg	Switzerland			Jay Savage pers. comm. 2010
MHNG	Muséum d'histoire naturelle, Genève [Geneva]; also as MNG (obsolete)	Switzerland	L85		F&E Wallach et al. 2014
MHNLCDF	Musée d'histoire naturelle, La Chaux-de-Fonds; also as MHNC (presumably more current)	Switzerland			http://www.asih.org/codons.pdf
MHNN	Museum d'Histoire Naturelle de Neuchâtel, Neuchâtel [includes Musée Zoologique de Neuchâtel (MZN); MHNN may have been alternatively applied to Muséum de Historia Naturelle de Nantes by Kottelat et al. 1993]; MHNN current for herps	Switzerland	L85	L&G	F&E Wallach et al. 2014
MZN	See MHNN.	Switzerland			Wallach et al. 2014
NHM	See NMBE.	Switzerland			Jay Savage pers. comm. 2010
NHMB	See NMBA.	Switzerland			Wallach et al. 2014
NMB	See NMBA.	Switzerland			NMBA online type catalog accessed 2016-8-8
NMBA	Naturhistorisches Museum Basel [Musée d'Histoire Naturelle de Bâle]. Current as: NMBA. Obsolete as: MHNB, NHMB, NMB.	Switzerland	L85		F&E Ferraris 2007, Nguyen et al. 2009, Böhme 2010
NMBE	Naturhistorisches Museum der Burgergemeinde Bern, Bern. Current as: NMBE.	Switzerland	L85		F&E Böhme 2010, Kottelat 2013, Wallach et al. 2014
PIMUZ	Paläontologisches Institut und Museum der Universität Zürich, Zürich. Current as: PIMUZ (paleo).	Switzerland			Wallach et al. 2014, López-Arbarello et al. 2016
ZMUZ	See ZMZ.	Switzerland	L85	L&G	
ZMZ	Zoologisches Museum der Universität Zürich, Zürich. Current as: ZMZ. Obsolete as: ZMUZ.	Switzerland		L&G	Jay Savage pers. comm. 2010, Wallach et al. 2014
ASIZ	Academia Sinica [Chinese Academy of Sciences], Biodiversity Research Museum, Taipei. Current as: ASIZP (fishes), ASIZAM (amphibians) ASIZR (reptiles). Obsolete as: ASIZT (Institute of Zoology), ISFM, ISM (Institute of Science Museum).	Taiwan			F&E Leon Yun-Chih Liao pers. comm. 2013, Kottelat 2013, Wallach et al. 2014
ASIZAM	See ASIZ.	Taiwan			http://museum.biodiv.tw/eng/code.php
ASIZP	See ASIZ.	Taiwan			Kottelat 2013
ASIZR	See ASIZ.	Taiwan			http://museum.biodiv.tw/eng/code.php
ASIZT	See ASIZ.	Taiwan	L85		F&E Leon Yun-Chih Liao pers. comm. 2013
CUP	Catholic University Peking, New Taipei City; fossil herps incorporated into FMNH PR, Fossil Amphibians and Reptiles	Taiwan			Bruner 1991
FRIP	Taiwan Fisheries Research Institute [descended in part from Freshwater Aquaculture Experiment Station, Hsiaoli and Marine Aquaculture Experiment Station, Taiwan], Keelung [=Jilong or Chilung]; current for fishes; Obsolete as: TFRI (occupied in entomology by Taiwan Forestry Research Institute, Taipei)	Taiwan			Liao & Shao 2008, Leon Yun-Chih Liao pers. comm. 2013
ISFM	See ASIZ.	Taiwan			Wallach et al. 2014
ISM	See ASIZ.	Taiwan			Wallach et al. 2014
MISGF	Museum of the Institute of Science of the Government of Formosa, Taipei (no longer extant)	Taiwan			Wallach et al. 2014

MTP	Fish Collection, Matsu [Mazu] Islands, Lienchiang [Lianjiang] County, Fujian Province	Taiwan			Leon Yun-Chih Liao pers. comm. 2013
NMMB	National Museum of Marine Biology & Aquarium (NMMBA), Checheng, Pingtung; currently houses fishes transferred from Tonghai [Tunghai] University (THUP); current as NMMBP, NMMB P or NMMB-P (fishes); also as NMMBA, NMMBAP	Taiwan		F&E	Durand et al. 2012, Kaga & Ho 2012, Ho & Johnson 2013
NMMB-P	See NMMB.	Taiwan			Kaga & Ho 2012
NMMBA	See NMMB.	Taiwan			Leon Yun-Chih Liao pers. comm. 2013, Seah et al. 2015
NMMBAP	See NMMB.	Taiwan			Leon Yun-Chih Liao pers. comm. 2013
NMMBP	See NMMB.	Taiwan		F&E	Durand et al. 2012
NMMST	National Museum of Marine Science and Technology, Keelung; current as NMMSTP (fishes); also as NMSMP	Taiwan		F&E	Jang-Liaw et al. 2012, Leon Yun-Chih Liao pers. comm. 2013
NMMSTP	See NMMST.	Taiwan			Leon Yun-Chih Liao pers. comm. 2013
NMNS	National Museum of Natural Science, Taichung; also as NMNSF (fishes)	Taiwan			Nguyen et al. 2009
NMNSF	See NMNS.	Taiwan			Wu et al. 2013:76
NMSMP	See NMMST.	Taiwan			Ho & Shao 2011
NSYSU	National Sun Yat-sen University, Institute of Marine Biology, Kaohsiung; current for fishes; also as NSYU	Taiwan		L&G F&E	Kuo & Mok 1994, Mok & Kuo 2001
NSYU	See NSYSU.	Taiwan		F&E	Ho & Shao 2011
NTHUB	National Tsing Hua University, Department of Life Science, Hsinchu	Taiwan			Leon Yun-Chih Liao pers. comm. 2013
NTM	National Taiwan Museum, Taipei; current as NTMP (fishes); also as TMF	Taiwan			Ho & Shao 2011, Leon Yun-Chih Liao pers. comm. 2013
NTNUB	National Taiwan Normal University [formerly The Taiwan Provincial Normal College formed from Taipei High School (pre-1946) & later as Taiwan Provincial Normal University in 1955], Department of Life Science [formerly Department of Biology until 2003], College of Science, Taipei	Taiwan	L85		Leon Yun-Chih Liao pers. comm. 2013
NTOU	National Taiwan Ocean University, College of Life Sciences, Institute of Marine Biology, Keelung [=Jilong or Chilung]; Current as: NTOU P (fishes); maintained separately from TOU-AE collection at same institution	Taiwan		F&E	Ho & Johnson 2013, Hong-Ming Chen pers. comm. 2013
NTOUP	See NTOU.	Taiwan			Jang-Liaw et al. 2012
NTUM	National Taiwan University [formerly Taihoku (Taipei) Imperial University (pre-1945)], Institute of Zoology, Taipei; current for fishes; also as NTUMA (amphibians)	Taiwan	L85	F&E	Matsunuma et al. 2010, Ho & Johnson 2013
NTUMA	See NTUM.	Taiwan			
TFRI	See FRIP.	Taiwan	L85	F&E	Ho & Johnson 2013, Kottelat 2013
TFRI-TT	Taiwan Fisheries Research Institute, Taitung Branch museum.	Taiwan			Chen et al. 1996
THUP	Tonghai [Tunghai] University, Science College, Department of Life Science, Systematics and Evolutionary Biology Laboratory [formerly Department of Zoology], Taichung; fishes transferred to National Museum of Marine Biology & Aquarium (NMMBA) in 2004	Taiwan	L85	F&E	Ho & Shao 2011, Leon Yun-Chih Liao pers. comm. 2013, Ho & Johnson 2013
TMF	See NTM.	Taiwan		F&E	Ho & Shao 2011
TOU-AE	National Taiwan Ocean University, Laboratory of Aquatic Ecology, Department of Aquaculture, Keelung [=Jilong or Chilung]; current for fishes; maintained separately from NTOU collection at same institution	Taiwan		F&E	Loh et al. 2011, Hong-Ming Chen pers. comm. 2013
EAMFRO	East African Marine Fisheries Research Organization [1953–1977; Zanzibar laboratories became Institute of Marine Sciences, University of Dar es Salaam, in 1978; Mombasa laboratories became Kenya Marine and Fisheries Research Institute (KMFRI) in 1979]	Tanzania		F&E	Morcos 2002
NMT	National Museum of Tanzania [developed from National Museum of Dar es Salaam], Dar es Salaam	Tanzania			Nesbitt et al. 2010, Wallach et al. 2014
OGM	Olduvai Gorge Museum, Olduvai Gorge, Ngorongoro Conservation Area	Tanzania			Wallach et al. 2014
SRI	Serengeti Research Institute, Seronera	Tanzania	L85		
TAFIRI	Tanzania Fisheries Research Institute, Mwanza Center [formerly station of East African Freshwater Fisheries Research Organization (EAFIRO)], Mwanza	Tanzania		F&E	

UDSM	University of Dar es Salaam, Dar es Salaam	Tanzania	L85	
ZMZ	Zanzibar Museum [Nyumba ya Kumbukumbu], Zanzibar	Tanzania		F&E
MARNM	Maejo Aquatic Resources Natural Museum, Maejo University, Nong Han. Current as: MARNM (fishes).	Chiang Mai	Thailand	Suvarnaraksha 2012, 2013
CTNRC	See THNHM.		Thailand	Chuaynkern et al. 2013
CUB	See CUMZ.		Thailand	L85 F&E Nguyen et al. 2009
CUB MZ	See CUMZ.		Thailand	David et al. 2007
CUMZ	Chulalongkorn University, Museum of Zoology, Bangkok. Current as: CUMZ (fishes and herps). Obsolete as: CUB, CUB MZ, CUMZA (amphibians), CUZM.		Thailand	F&E Kottelat 2013
CUMZA	See CUMZ.		Thailand	McLeod 2010
CUZM	See CUMZ.		Thailand	Nguyen et al. 2009
KUMF	Kasetsart University, Faculty of Agriculture, Museum of Fisheries, Bangkok; separate from RLIKU		Thailand	L85 F&E Kottelat 2012:12
MFLB	Marine Fisheries Laboratory, Department of Fisheries, Bangkok. Formerly: Siam Department of Fisheries, Thailand Bureau of Fisheries.		Thailand	F&E Kottelat 2013
NHMT	National Science Museum of Thailand, Bangkok		Thailand	Matsui et al. 1999, Nguyen et al. 2009
NICA	National Institute of Coastal Aquaculture, Songkhla		Thailand	Imamura 2011
NIFI	National Inland Fisheries Institute, Fish Taxonomy Division, Bangkok; current for fishes		Thailand	L85 F&E Ferraris 2007, Suvarnaraksha 2013
NRCT	National Research Council of Thailand, Bangkok		Thailand	David et al. 2007
NSM	See THNHM.		Thailand	Wallach et al. 2014
PMBC	Phuket Marine Biological Centre, Phuket		Thailand	F&E Motomura et al. 2001
QSMI	Queen Saovabha Memorial Institute, Thai Red Cross Society, Bangkok; current for herps		Thailand	David et al. 2007, Böhme 2010, Wallach et al. 2014
RFI	Robert F. Inger personal collection; herps deposited at NHMT		Thailand	Nguyen et al. 2009
RLIKU	Research Laboratory of Ichthyology, Kasetsart University, Bangkok; curated by Prachya Musikasinthorn; separate from KUMF		Thailand	F&E Havird & Page 2010
THNHM	Thailand Natural History Museum, National Science Museum (NSM), Technopolis; includes specimens formerly vouchered as CTNRC or TNRC (Thai National Reference Collection)		Thailand	Chuaynkern et al. 2013, Kottelat 2013, Wallach et al. 2014
TISTR	Thailand Institute for Scientific and Technological Research, Ministry of Science and Technology, Bangkok		Thailand	F&E Kottelat 2013
TNRC	See THNHM.		Thailand	David & Vogel 1998, Wallach et al. 2014
UNMF	Ubon Rajathanee [=Ubonrajathanee, Ubonratchathani] University Natural History Museum, Department of Fisheries, Warinchamrap, Ubon Ratchathani		Thailand	Chaiwut Grudpan pers. comm. 2010, Kottelat 2013
WURC	Walailak University, Faculty of Science, Tha Sala District, Nakhon Si Thammarat Province		Thailand	F&E Kottelat 2013
UBL	Université du Bénin, Lome		Togo	L85
IMA	Institute of Marine Affairs, Chaguaramas, Trinidad		Trinidad & Tobago	L85
TRS	See WBTRS.		Trinidad & Tobago	Eigenmann 1925
UWIZM	University of the West Indies, Zoology Museum, Department of Life Sciences; current for fishes		Trinidad & Tobago	Vanegas-Ríos & Phillip 2013
WBTRS	William Beebe Tropical Research Station [also known as "Simla", formerly the New York Zoological Society's Tropical Research Station], Trinidad; also as T.R.S. (e.g., Eigenmann 1925)		Trinidad & Tobago	
CGE	personal collection of F. Güler Ekmekçi		Turkey	
DUM	Dicle University [Dicle Üniversitesi], Zoological Museum, Zoology Branch, Department of Biology, Faculty of Science and Letters, Diyarbakir		Turkey	F&E
ESFM	Ege Üniversitesi Su Ürünleri Fakültesi [alternatively as Inland-water Fish Collections of the Faculty of Fisheries, Ege University (ESFM-PISI)], Bornova, İzmir [Izmir]; current for fishes; also as ZDEU (herps, current), SZE (herps)		Turkey	F&E Turan et al. 2006:422, Küçük 2007
FFR	Zoology Museum of the Faculty of Fisheries, Recep Tayyip Erdoğan University [formerly Rize University, separated from Karadeniz Teknik Üniversitesi (Black Sea Technical University) in 2006], Rize; current for fishes		Turkey	Turan et al. 2006, Kovačić & Engin 2008:74, Turan et al. 2014:276

HUIC	Hacettepe Üniversitesi [University], Faculty of Science, Department of Biology, Ichthyological Collection, Ankara	Turkey		F&E Kottelat 2012:12
IFC-ESUF	Inland Fishes Collection, Eğirdir Fisheries Faculty, Süleyman Demirel Üniversitesi, Isparta; current for fishes	Turkey		Ekmekçi et al. 2015
IUSHM	See ZMUI.	Turkey		F&E Ekmekçi et al. 2015
PRM	Piri Reis Museum, Onsekiz Mart University, Çanakkale; current for fishes	Turkey		Smith et al. 2012
SCFK-SDU	Personal collection of F. Küçük, Eirdir Su Ürünleri Fakültesi, T.C. Süleyman Demirel Üniversitesi, Isparta	Turkey		F&E
SZE	See ZDEU.	Turkey		Böhme 2010, Wallach et al. 2014
ZDEU	Zoology Department [also as Sistematik Zooloji Bölümü/Enstitüsü/Kürsüsü], Ege Üniversitesi, Bornova, İzmir [Izmir]; current for reptiles, fishes at same university cited as ESFM, also as SZE (herps)	Turkey	L85	Avci et al. 2009:177
ZMHRU	Zoology Museum of Harran University, Osmanbey Campus, Harran Üniversitesi, Sanliurfa	Turkey		Yildiz 2011, Šmíd et al. 2015
ZMUI	İstanbul Üniversitesi Zooloji Müzesi [Zoology Museum of Istanbul University]; current for fishes as ZMUI IUSHM [Hydrobiology Museum]	Turkey		F&E Özuluğ et al. 2013
KSU	See ZDKU.	Ukraine		Wallach et al. 2014
MNKNU	Museum of Nature, V.N. Karazin Kharkiv National University, Kharkiv [=Kharkov]	Ukraine		Wallach et al. 2014
NMNH	National Museum of Natural History, National Academy of Sciences of Ukraine, Kyiv [= Kiev]	Ukraine		Doronin 2012, P. Uetz pers. comm. 2014
ONUZM	Odessa National University, Zoological Museum, Odessa	Ukraine		F&E
SEKPB	Sevastopol Experimental Design Bureau for Underwater Investigation, Sevastopol	Ukraine	L&G	
USNH	See ZIK.	Ukraine		Naseka 1996:151
YUGNIRO	Southern Scientific Research Institute of Marine Fisheries and Oceanography, Kerch	Ukraine		F&E
ZDKU	Museum of Natural History, University of Kharkiv [questionably synonymous with Kharkov State University Museum of Natural History (KSU)], Kharkiv [=Kharkov]	Ukraine	L85	Wallach et al. 2014
ZIK	I.I. Schmalhausen Institute of Zoology, National Academy of Sciences of Ukraine, Kyiv [= Kiev]; also as IZANU, USNH (fishes), ZMUAS; ZIK current for amphibians	Ukraine	L85	F&E Naseka 1996:151, Böhme 2010, Wallach et al. 2014
ZIKP	Department of Paleozoology, Institute of Zoology, National Academy of Sciences of Ukraine, Kyiv [= Kiev]; current for herps	Ukraine		Wallach et al. 2014
ZMUAS	See ZIK.	Ukraine		F&E Kottelat 2013
CG	Chapman Grant private collection (herps)	Unknown		Wallach et al. 2014
CLB	Carlo L. Bonaparte private collection (herps)	Unknown		Wallach et al. 2014
EK	Eugen Kramer private collection	Unknown		Wallach et al. 2014
HvM	Hermann von Meyer personal collection	Unknown		Wallach et al. 2014
JD	John Dwyer private collection (herps)	Unknown		Wallach et al. 2014
JWM	Johann W. von Müller private collection	Unknown		Wallach et al. 2014
CECN	Centro de Estudios de Ciencias Naturales; herp collection housed at MNHN, Montevideo, since ca. 1996 (specimens re-numbered, but retain original CECN numbers too); also as CECN-A (amphibians) & CECN-R (reptiles)	Uruguay		Raúl Maneyro pers. comm. 2012
CEDO	Centro Educativo Don Orione, Departamento de Biología, Montevideo; collection apparently closed, disposition of specimens unknown	Uruguay	L85	Gudynas et al. 1988:7, Raúl Maneyro & Francisco Kolenc pers. comm. 2012
DHE	Diversidad de los Humedales del Este [collection originating with Programa para la Conservación de la Biodiversidad y Desarrollo Sustentable de los Bañados del Este (PROBIDES) & United Nations Development Programme]; amphibians currently housed at ZVC (specimens re-numbered, but retain original DHE numbers too); also as DHE-A (amphibians) & DHE-R (reptiles)	Uruguay		Raúl Maneyro pers. comm. 2012
DZVU	Departamento Zoología Vertebrados, Universidad de la República [listed as Universidad de Uruguay in Leviton et al. 1985:805], Montevideo; considered obsolete, replaced by ZVC.	Uruguay	L85	F&E Cabrera & Colantonio 2001:115, Raúl Maneyro & Francisco Kolenc pers. comm. 2012
MHNM	Museo Nacional de Historia Natural [formerly Museo de Historia Natural de Montevideo], Montevideo; MNHN also in use, but MHNM suggested as replacement to distinguish Uruguay museum from Muséum national d'Histoire naturelle, Paris; also as MNHMU, MNHNM, MNHNU (all obsolete)	Uruguay	L85	F&E Cabrera & Colantonio 2001:115, Ferraris 2007, Wallach et al. 2015
MNHMU	See MHNM.	Uruguay		Wallach et al. 2014

MNHN	See MHNM.		Uruguay		F&E	Kolenc et al. 2011, Borteiro et al. 2013
MNHNM	See MHNM.		Uruguay			Wallach et al. 2014
MNHNNU	See MHNM.		Uruguay			Wallach et al. 2014
ZVC	Colección de Zoología Vertebrados de la Facultad de Ciencias, Universidad de la República [not Universidad de Montevideo], Montevideo; also as ZVC-P (fishes), ZVC-B (amphibians) & ZVC-R (reptiles); replaces DZVU (obsolete)		Uruguay		F&E	Raúl Maneyro & Francisco Kolenc pers. comm. 2012, Borteiro et al. 2013
ZVC-R	See ZVC.		Uruguay			Borteiro et al. 2013
ZVCB	See ZVC.		Uruguay			Maneyro et al. 2008:189, Raúl Maneyro pers. comm. 2012
ZVCP	See ZVC.		Uruguay			Raúl Maneyro pers. comm. 2012
ZVCR	See ZVC.		Uruguay			Raúl Maneyro pers. comm. 2012
AL	See ALMNH.	Alabama	USA		F&E	
ALA	See ALMNH.	Alabama	USA	L85	L&G F&E	
ALMNH	Alabama Museum of Natural History, Tuscaloosa; formerly University of Alabama Museum of Natural History (UAMNH); current as ALMNH (paleo), UAIC (Recent fishes), UAHC (Recent herps); obsolete as AL, ALA, UAMNH, UNAL	Alabama	USA			Leslie Rissler pers. comm. 2010, Ehret & Ebersole 2014, Dana Ehret pers. comm. 2015, John Friel pers. comm. 2015
AMRL	Alabama Marine Resources Laboratory, Dauphin Island	Alabama	USA	L85		
API	See AUM.	Alabama	USA			J. Armbruster pers. comm. 2010
AU	See AUM.	Alabama	USA			J. Armbruster pers. comm. 2010
AUM	Auburn University Natural History Museum, Auburn; formerly Alabama Polytechnic Institute; obsolete as API, AU, AUNHMLC.	Alabama	USA	L85	L&G F&E	Gilbert 1998, J. Armbruster pers. comm. 2010
AUNHMLC	See AUM.	Alabama	USA			Taggart et al. 2006
GSA	Geological Survey of Alabama, Tuscaloosa, Alabama	Alabama	USA			Gilbert 1998
SHCIC	Spring Hill College Ichthyological Collection, Mobile	Alabama	USA			Poss & Collette 1995:64
UAHC	See ALMNH.	Alabama	USA			Leslie Rissler pers. comm. 2010
UAIC	See ALMNH.	Alabama	USA		L&G F&E	
UAMNH	See ALMNH.	Alabama	USA		F&E	
UNAL	See ALMNH.	Alabama	USA		F&E	
UNOAL	University of Northern Alabama, College of Arts and Sciences, Department of Biology, Florence	Alabama	USA		F&E	Michael Doosey, pers. comm. 2010
USA	University of South Alabama, College of Arts and Sciences, Department of Biological Sciences, Mobile	Alabama	USA	L85	F&E	
ABL	Auke Bay Laboratory, Alaska Fisheries Science Center (AFSC), National Marine Fisheries Service (NMFS), Division of National Oceanic and Atmospheric Administration (NOAA); formerly Northwest and Alaska Fisheries Center (NWAFC), itself descended from Northwest Fisheries Center (NWFC); also as ABML	Alaska	USA			Poss & Collette 1995:64
ABML	See ABL.	Alaska	USA		L&G	
NWAFC	Northwest and Alaska Fisheries Science Center, Seattle, Washington; split in 1990 into Northwest Fisheries Science Center (NWFC) and Alaska Fisheries Science Center (AFSC)	Alaska	USA			Arratia & Schultze 1990
UAJ	University of Alaska, Juneau	Alaska	USA		L&G	
UAM	University of Alaska Museum of the North, Fairbanks	Alaska	USA	L85	F&E	Vernet 2016
ASU	Arizona State University, School of Life Sciences, Tempe	Arizona	USA	L85	F&E	
MNA	Museum of Northern Arizona, Flagstaff	Arizona	USA			Gilbert 1998, Wallach et al. 2014
UA	See UAZ.	Arizona	USA			
UAZ	University of Arizona, Museum of Natural History, Tucson; obsolete as UA	Arizona	USA	L85	F&E	Vernet 2016
ARK	See UAFMC.	Arkansas	USA	L85		
ASUMZ	Arkansas State University, Museum of Zoology, State University	Arkansas	USA			Poss & Collette 1995:64, Stan Trauth pers. comm. 2012
ATFC	Arkansas Tech University Fish Collection, Department of Biological Science, Russellville	Arkansas	USA			Poss & Collette 1995:64
SAU	Southern Arkansas University, Department of Biology, Magnolia; formerly Southern State College	Arkansas	USA		F&E	Poss & Collette 1995:64
UAFMC	University of Arkansas Collections Facility, Fayetteville	Arkansas	USA			VertNet 2016
WCC	Westark Community College Fish Collection, Fort Smith	Arkansas	USA			Poss & Collette 1995:64

AHF	Allan Hancock Foundation, University of Southern California, California; Fish types incorporated into LACM, Non-type collection still at AHF	California	USA		F&E
BNHM	See MVZ & UCMP.	California	USA		Carol Spencer pers. comm. 2010
CAS	California Academy of Sciences, San Francisco; includes fishes (teaching collection) from Department of Zoology, University of California, Berkeley (UCB); also as CAS-GVF (specimens transferred from George Vanderbilt Foundation), CAS-IU (Indiana University, Bloomington), CAS-SU (Stanford University), CAS-SUR (reptiles transferred from Stanford University), CAS-SUA (amphibians transferred from Stanford University), SU (fishes transferred from Stanford University); note for computerization at CAS, 100000 added to each SU catalog number, e.g., SU 12345 databased as CAS 112345, but may remain SU 12345 or CAS-SU 12345 for citation purposes.	California	USA	L85	F&E Carol Spencer pers. comm. 2010, Jens Vindum pers. comm. 2014, Dave Catania pers. comm. 2014
CAS-GVF	See CAS.	California	USA	L85	F&E
CAS-IU	See CAS.	California	USA	L85	F&E
CAS-SU	See CAS.	California	USA	L85	F&E
CAS-SUA	See CAS.	California	USA		
CAS-SUR	See CAS.	California	USA		Bhullar & Bell 2008
CCBER	University of California, Santa Barbara (UCSB), Cheadle Center for Biodiversity and Ecological Restoration; obsolete as UCSB	California	USA		Vernet 2016, S.Sweet pers. comm. 2016
CIT	See LACM.	California	USA		Wallach et al. 2014
CRE	See LACM.	California	USA		Savage et al. 2013, Jay Savage pers. comm. 2013, Wallach et al. 2014
CSF	California State University, Fullerton; note historical specimens largely transferred to LACM in 1986	California	USA	L85	Camm C. Swift and Rick Feeney pers. comm. 2012
CSLB	California State University, Long Beach, California; also as CSULB; note historical specimens largely transferred to LACM in 1980s	California	USA	L85	Camm C. Swift pers. comm. 2012
CSPU	California State Polytechnic University, Pomona	California	USA	L85	
CSUC	California State University, Chico Vertebrate Museum	California	USA		VertNet 2016
CSULB	See CSLB	California	USA		F&E
CSUN	California State University, Northridge; current as CSUM (fishes, herps) and herp collections; also as REE-CSUN (Robert E. Espinoza herp collection)	California	USA		Robert Espinoza pers. comm. 2012, Lobo et al. 2012
CSUS	See SSU.	California	USA		Poss & Collette 1995:64
GVF	See CAS.	California	USA		F&E
HSU	Humboldt State University, Arcata, California; current as HSU (fishes), HSUVM (herps)	California	USA	L85	John Reiss pers. comm. 2010
HSUVM	See HSU.	California	USA		John Reiss pers. comm. 2010
LACM	Natural History Museum of Los Angeles County, Los Angeles; includes fishes formerly at California State University, Fullerton (CSF), California State University, Long Beach (CSLB) and University of California at Los Angeles (UCLA), herps from Costa Rica Expeditions of Jay Savage (CRE), and fossils from California Institute of Technology, Los Angeles (CIT); obsolete as LACMNH; note fish collection formally named The Robert J. Lavenberg Fish Collection in 1998	California	USA	L85	F&E Camm C. Swift, Christine Thacker & Rick Feeney pers. comm. 2012, Wallach et al. 2014
LACMNH	See LACM.	California	USA		F&E
LLU	Loma Linda University, Department of Earth and Biological Sciences [formerly Natural Sciences], Loma Linda; current as LLU (fossil herps)	California	USA		Bell et al. 1995
LMK	See SDNHM.	California	USA		Wallach et al. 2014
LSUHC	La Sierra University, Riverside	California	USA		David et al. 2007
MLML	Moss Landing Marine Laboratories, Moss Landing	California	USA		Poss & Collette 1995:65
MLZ	Occidental College, Moore Laboratory of Zoology, Los Angeles; also as OC	California	USA		Hu et al. 2000
MVP	See UCMP.	California	USA		Wallach et al. 2014
MVZ	University of California, Museum of Vertebrate Zoology, Berkeley; part of Berkeley Natural History Museums consortium (BNHM); separate from UCMP (paleo); current as MVZ (fishes, herps); note fish collection consists only of 64 specimens donated from Milton Hildebrand, University of California, Davis (UCD)	California	USA	L85	F&E Nguyen et al. 2009, Carol Spencer pers. comm 2010
MWFB	University of California, Davis, Museum of Wildlife and Fish Biology; obsolete as UCD.	California	USA		Poss & Collette 1995:65

NMFSLJ	National Marine Fisheries Service La Jolla Laboratory, Ichthyoplankton Collection, La Jolla; current as NMFSLJ (fishes) and SWFSC (bar coded fish lots)	California	USA		Poss & Collette 1995:65, William Watson pers. comm. 2015
OC	See MLZ.	California	USA	L85	Poss & Collette 1995:64
REE-CSUN	See CSUN.	California	USA		Lobo et al. 2012
REE-SDSU	See SDSU.	California	USA		Lobo et al. 2012
SBCM	San Bernardino County Museum, Earth Science Division, Redlands; current as SBCM (fossil & Recent herps)	California	USA		Bell et al. 1995
SBMNH	Santa Barbara Museum of Natural History, Santa Barbara	California	USA	L85	
SDNHM	San Diego Natural History Museum, Balboa Park, San Diego; formerly San Diego Society of Natural History (SDSNH); includes Laurence M. Klauber private collection (LMK).	California	USA		VerNet 2016
SDSNH	See SDNHM.	California	USA	L85	Wallach et al. 2014
SDSU	San Diego State University Museum of Biodiversity, San Diego; also as REE-SDSU (Richard E. Etheridge herp skeletal collection)	California	USA	L85	F&E Lobo et al. 2012
SFSU	San Francisco State University, Vertebrate Museum, San Francisco	California	USA	L85	Poss & Collette 1995:65
SIO	Scripps Institution of Oceanography, Marine Vertebrate Collection, University of California, San Diego, La Jolla; in error as STO; note catalog number includes 2 digit prefix for year of accession, e.g., SIO 07-169.	California	USA	L85	F&E Poss & Collette 1995:65, H.J. Walker pers. comm. 2015
SJSU	San Jose State University, Museum of Vertebrate Zoology, San Jose, California	California	USA	L85	Poss & Collette 1995:65
SSU	California State University, Sacramento, Museum of Natural History; formerly Sacramento State College; obsolete as CSUS	California	USA	L85	http://www.csus.edu/bios/#Vertebratemuseum
STO	See SIO.	California	USA		Boguski et al. 2012
SU	Stanford University, Palo Alto; note fishes & herps transferred to CAS	California	USA		F&E D. Catania pers. comm. 2014
SWFSC	See NMFSLJ.	California	USA		William Watson pers. comm. 2015
UCB	See CAS.	California	USA	L85	Carol Spencer pers. comm. 2010
UCD	See MWFB.	California	USA		F&E
UCLA	University of California at Los Angeles, Los Angeles; note much of fish collection transferred to LACM	California	USA	L85	F&E
UCMP	University of California Museum of Paleontology, Berkeley; part of Berkeley Natural History Museums consortium (BNHM); obsolete as MVP (separate collections).	California	USA		Carol Spencer pers. comm 2010
UCSB	See CCBER.	California	USA		Poss & Collette 1995:65
VC	Ventura College Fish Collection, Department of Biology, Ventura	California	USA		Poss & Collette 1995:65
BS/FC	See MSB.	Colorado	USA		Alexandra M. Snyder pers. comm. 2013
BSFC	National Ecology Research Center, Biology Survey, Fort Collins	Colorado	USA		Poss & Collette 1995:65
CSTC	Colorado State Teachers College, Greeley	Colorado	USA	L85	
CSU	Colorado State University, Colorado Cooperative Fish and Wildlife Research Unit, Fort Collins; note fishes distributed to various regional museums in 1980s-90s (e.g., LFL)	Colorado	USA	L85	F&E Darrel E. Snyder pers. comm. 2010
DMNH	Denver Museum of Natural History, Denver; current as DMNH (fossil fishes)	Colorado	USA		Schultze & Arratia 2013:189
LFL	Larval Fish Laboratory Collection, Department of Fish, Wildlife and Conservation Biology, Warner College of Natural Resources, Colorado State University, Fort Collins	Colorado	USA		Darrel E. Snyder pers. comm. 2010
MSB	Museum of Southwestern Biology, Department of Biology, University of New Mexico, Albuquerque; includes fishes from US Geological Survey (USGS), Fort Collins, Colorado, historically cited as BS/FC and now recataloged with MSB numbers; current as MSB (fishes and herps); obsolete as UNM (but still in use for herp specimen tags).	Colorado	USA	L85	Gilbert 1998, Alexandra M. Snyder pers. comm. 2010, 2013
UCM	University of Colorado Museum of Natural History, Boulder, Colorado	Colorado	USA	L85	VertNet 2016
UNM	See MSB.	Colorado	USA		Alexandra M. Snyder pers. comm. 2010
BOC	See YPM.	Connecticut	USA		F&E
PMNH	See YPM.	Connecticut	USA		Wallach et al. 2014
UCONN	University of Connecticut, Biodiversity Research Collections, Storrs, Connecticut	Connecticut	USA		VertNet 2016
UCS	See UCONN.	Connecticut	USA	L85	Poss & Collette 1995:65

WUM	Wesleyan University, Museum, Middletown, Connecticut	Connecticut	USA		F&E
YPM	Yale University, Peabody Museum of Natural History, New Haven. Includes: Bingham Oceanographic Collection (BOC) added in 1959. Current as: YMP ICH (fishes), YPM HERA (amphibians), YPM HERR (reptiles), YPM VP (paleo). Obsolete as: PMNH.	Connecticut	USA	L85	F&E Gregory Watkins-Colwell pers. comm. 2016
NMFS	See USFC.	District of Columbia	USA		Anderson & Heemstra 2012:3
NMNH	See USNM.	District of Columbia	USA		Avila et al. 2010, Avila et al. 2013
SIM	See USNM.	District of Columbia	USA		Wallach et al. 2014
USFC	United States Bureau of Fisheries [formerly United States Fish Commission], predecessor of National Marine Fisheries Service (NMFS); original collection using this abbreviation mostly now at USNM	District of Columbia	USA		F&E Gilbert 1998
USNM	National Museum of Natural History, Smithsonian Institution [formerly United States National Museum or Smithsonian Institution Museum (SIM)], Department of Vertebrate Zoology, Washington D.C.; also as NMNH (herps), SIM	District of Columbia	USA	L85	F&E Avila et al. 2010
UU	See UNMH.	District of Columbia	USA	L85	
UUZM	See UNMH.	District of Columbia	USA		Wallach et al. 2014
FAU	Florida Atlantic University, Department of Biological Sciences, Boca Raton, Florida	Florida	USA	L85	Poss & Collette 1995:65
FDNR	See FSBC.	Florida	USA	L85	F&E
FLMNH	Florida Museum of Natural History, University of Florida, Gainesville, Florida; seen for locality references in invertebrate paleontology (as FLMNH IP); replaced by UF for fishes & herps	Florida	USA		Taggart et al. 2006, Portell et al. 2008 (locality reference)
FNHM	See UF.	Florida	USA		Durand et al. 2012
FSBC	Florida Fish & Wildlife Conservation Commission, Fish & Wildlife Research Institute [formerly Florida State Board of Conservation Marine Laboratory, among others], St. Petersburg, Florida; fishes currently cataloged as FSBC F; also as FDNR (Florida Department of Natural Resources; obsolete); see also SEAMAP (presumably separate)	Florida	USA		F&E Anderson & Heemstra 2012:3
FSM	See UF.	Florida	USA		F&E
FSU	Florida State University; Transferred to University of Florida, Florida Museum of Natural History, Gainesville; also as UF-FSU.	Florida	USA		F&E Gilbert 1998
FTU	Florida Technological University, Orlando, Florida	Florida	USA	L85	
GBERL	Gulf Breeze Environmental Research Laboratory, Gulf Breeze, Florida	Florida	USA	L85	
HBOM	Harbor Branch Oceanographic Museum, Fort Pierce, Florida; current for fishes	Florida	USA		F&E Anderson & Heemstra 2012:3
IRCZM	Indian River Coastal Zone Museum, Harbor Branch Foundation, Fort Pierce, Florida; fishes transferred to UF	Florida	USA	L85	Poss & Collette 1995:66
JU	Jacksonville University, Fish Collection, Jacksonville, Florida	Florida	USA		Poss & Collette 1995:65
SAC	SEAMAP Ichthyoplankton Archiving Center, Florida Marine Research Institute, St. Petersburg, Florida	Florida	USA		Poss & Collette 1995:65
SEAMAP	Southeast Area Monitoring and Assessment Program Ichthyoplankton Archiving Center, Fish and Wildlife Research Institute, St. Petersburg, Florida; current for fishes; see also FSBC (presumably separate)	Florida	USA		Britz & Johnson 2012
SEFC	Southeast Fisheries Center [formerly TABL (larval fishes only)], Miami, Florida; nonpermanent fish collection	Florida	USA		Poss & Collette 1995:65
TABL	Tropical Atlantic Biological Laboratory, National Marine Fisheries Service, Virginia Key, Miami, Florida; fishes transferred to UF, some to USNM, ANSP; see also SEFC	Florida	USA		F&E
UCF	University of Central Florida, Fish Collection, Orlando, Florida	Florida	USA		Poss & Collette 1995:66
UF	University of Florida, Florida Museum of Natural History [formerly Florida State Museum (FSM)], Gainesville, Florida; also as FLMNH (obsolete for fishes & herps) and FNHM (fishes, Durand et al. 2012); includes fishes from FSU (Florida State University, Tallahassee), IRCZM, NMFSPC (National Marine Fisheries Service, Gulf Coastal Fisheries Center, Panama City), TABL (nonlarval) and UMML	Florida	USA	L85	F&E Poss & Collette 1995:66
UF-FSU	See FSU.	Florida	USA	L85	F&E

UMIM	Univeristy of Miami, College of Arts and Sciences, Division of Biology, Ichthyological Museum, Coral Gables, Florida; no longer exists, specimens mostly to USNM and UF (the latter including UMIM lots previously cataloged at UMML)	Florida	USA		F&E	Rob Robins, pers. comm. 2014
UMML	University of Miami, Rosenstiel School of Marine and Atmospheric Science [formerly Marine Laboratory], Miami, Florida; most of fish collection transferred to UF in 1995 (UF catalog no. = 200,000 + original UMML catalog no.), a small portion deposited and recataloged at ANSP.	Florida	USA	L85	F&E	Rob Robins, pers. comm. 2014
UMRC	University of Miami Reference Collection, Biology Department, Coral Gables, Florida	Florida	USA	L85		
USF	University of South Florida, Department of Marine Science, St. Petersburg, Florida	Florida	USA	L85		
USF	University of South Florida, Zoology Collections, Fishes, Tampa, Florida	Florida	USA			Poss & Collette 1995:66
UWF	University of West Florida, Pensacola, Florida	Florida	USA	L85		Poss & Collette 1995:66
GMNH	Georgia Museum of Natural History, University of Georgia, Athens, Georgia; current for fishes (D.S. Scott Ichthyology Collection) and separately for herps; also as UG (obsolete) and UGAMNH	Georgia	USA		F&E	Williams et al. 2007, Byron J. Freeman pers. comm. 2013
GSU	Georgia Southern University, Savannah Science Museum (SSM) Herpetology Collection [SSM collection transferred to GSU in 1999]	Georgia	USA			Vernet 2016
SSM	See GSU.	Georgia	USA	L85		
UG	See GMNH.	Georgia	USA			Byron J. Freeman pers. comm. 2013
UGAMNH	See GMNH.	Georgia	USA	L85	F&E	Gilbert 1998:5, Taggart et al. 2006, de Santana & Vari 2013:592, Poss & Collette 1995:66
BCFH	See NMFSH.	Hawaii	USA		F&E	
BPBM	The Bernice Pauahi Bishop Museum, Department of Zoology, Honolulu, Hawaii; fish collection includes NMFS Hawaii (in part)	Hawaii	USA	L85	L&G F&E	Poss & Collette 1995:66
NMFSH	NOAA [National Marine] Fisheries Service, Pacific Islands Fisheries Science Center [formerly Bureau of Commercial Fisheries, Honolulu (BCFH)], Honolulu, Hawaii; much of BCFH collection transferred to BPBM	Hawaii	USA	L85	L&G F&E	http://www.onefish.org
UH	University of Hawaii, Honolulu, Hawaii; fish types transferred to BPBM and some to USNM	Hawaii	USA		F&E	
IMNH	Idaho Museum of Natural History, Idaho State University, Pocatello, Idaho	Idaho	USA			Poss & Collette 1995:66
UIM	University of Idaho, Museum of Natural History, Moscow, Idaho	Idaho	USA	L85		
CA	See CHAS.	Illinois	USA	L85		Wallach et al. 2014
CHAS	Chicago Academy of Sciences, Chicago, Illinois [partially destroyed by fire Oct 1871]; also as CA (obsolete)	Illinois	USA			Taggart et al. 2006
CNHM	Chicago Natural History Museum; obsolete, replaced by FMNH	Illinois	USA			John Clay Bruner pers. comm. 2010, Böhme 2010
FMNH	Field Museum of Natural History, Geology Department (slide collection), Chicago, Illinois	Illinois	USA			Bruner 1992
FMNH	Field Museum of Natural History, Zoology Department, Chicago, Illinois [obsolete as CNHM, Chicago Natural History Museum]; includes fishes from Univ. Indiana (IU), paleo collections from Walker Museum, Univ. Chicago (UC).	Illinois	USA	L85	F&E	John Clay Bruner pers. comm. 2010
FMNH P	See FMNH PF (fossil fishes) and FMNH PR (fossil amphibians and reptiles).	Illinois	USA			Gottfried & Krause 1998, Gilbert 1998, Bruner 1991
FMNH PF	Field Museum of Natural History, Geology Department, Paleontology Collections (fossil fishes), Chicago, Illinois; also as FMNH P (obsolete)	Illinois	USA			Bruner 1992
FMNH PR	Field Museum of Natural History, Geology Department, Paleontology Collections (fossil amphibian and reptiles), Chicago, Illinois; also as FMNH P (obsolete); includes fossil herps formerly at CUP.	Illinois	USA			Bruner 1991
FMNH UC	University of Chicago, Walker Museum, Paleontology Collection; Walker Museum incorporated into FMNH	Illinois	USA			Bruner 1991
FMNH UF	University of Chicago, Walker Museum, Fossil Fishes Collection; Walker Museum incorporated into FMNH	Illinois	USA			Bruner 1992
FMNH UR	University of Chicago, Walker Museum, Fossil Amphibian and Reptile Collection; Walker Museum incorporated into FMNH	Illinois	USA			Bruner 1991
FMNHG	See FMNH PF (fossil fishes) and FMNH PR (fossil amphibians and reptiles).	Illinois	USA			Wallach et al. 2014

INHS	Illinois Natural History Survey [descended in part from Illinois State Laboratory of Natural History], University of Illinois, Champaign, Illinois	Illinois	USA	L85	F&E
ISLNH	Illinois State Laboratory of Natural History [preceded Illinois Natural History Survey]; extant material recataloged at INHS with ISLNH accession numbers cited in Sabaj et al. 1997	Illinois	USA		Sabaj et al. 1997, Gilbert 1998
ISM	Illinois State Museum, Springfield, Illinois	Illinois	USA		Meredith Mahoney pers. comm. 2011
ISU	See ISUC.	Illinois	USA		Capparella pers. comm. 2011
ISUC	Illinois State University, Normal, Illinois; current for herps and fishes; also as ISU (birds & mammals)	Illinois	USA		Capparella pers. comm. 2011
LUC	Department of Biology, Loyola University Chicago, Chicago, Illinois; current for teaching and research collection	Illinois	USA		Borden et al. 2013:451
NIU	Northern Illinois University, Dekalb, Illinois	Illinois	USA	L85	
NWU	Northwestern University, natural history collection, Evanston, Illinois; transferred to Chicago Academy of Sciences (CHAS) in ca. 1920-1925	Illinois	USA		Pisani 1972, Wallach et al. 2014
SIU	See SIUC	Illinois	USA		F&E
SIUC	Southern Illinois University, Department of Zoology, Carbondale, Illinois	Illinois	USA	L85	L&G F&E
SIUE	Southern Illinois University, Edwardsville, Illinois; obsolete for fishes, specimens transferred to INHS and SIUC	Illinois	USA	L85	Brooks Burr pers. comm. 2010
UC	University of Chicago, Walker Museum; obsolete, Walker Museum incorporated into FMNH; see FMNH UC (paleo collections), FMNH UF (fossil fishes), FMNH UR (fossil herps).	Illinois	USA		John Clay Bruner pers. comm. 2010
UIMNH	University of Illinois Museum of Natural History, Urbana, Illinois; many collections (e.g., herpetology, ichthyology) curated at INHS	Illinois	USA	L85	Böhme 2010
BU	Butler University, Indianapolis, Indiana; as BUI in Fricke & Eschmeyer 2010; historical fish collection transferred to UF	Indiana	USA		F&E Gilbert 2009
INSM	Indiana State Museum, Indianapolis; current for herps and paleo	Indiana	USA		Michael S. Finkler pers. comm. 2011
ISU	Indiana State University, Terre Haute, Indiana; see also ISUVC.	Indiana	USA	L85	F&E
ISUVC	Indiana State University Vertebrates Collection, Terre Haute, Indiana; previously used for mammals (Hafner et al. 1997), but ISU assigned for fishes and herps by Leviton et al. (1985)	Indiana	USA		Capparella pers. comm. 2011
IU	Indiana University, Bloomington, Indiana; early/old fish collection now primarily at CAS-IU, UMMZ and USNM; later fish collection of Shelby Gerking and others from state surveys in 1940s transferred to Ohio State University (OSUM) by Ted Cavender; also as I.U.M. (e.g., Eigenmann 1925) & MUI	Indiana	USA		Eigenmann 1925, Ferraris 2007, F&E Camm C. Swift pers. comm. 2012
IUM	See IU.	Indiana	USA		Eigenmann 1925
MUI	See IU.	Indiana	USA		F&E
PUL	Purdue University, Lafayette, Indiana; no longer extant	Indiana	USA		Wallach et al. 2014
GC	Grinnell College Biology Department, Fish Collection, Grinnell, Iowa	Iowa	USA		Poss & Collette 1995:66
ISC	See ISUA.	Iowa	USA		F&E Cindy Opitz pers. comm. 2016
ISUA	Iowa State University [formerly Iowa State College], Ames, Iowa; also as ISC (current for herbarium)	Iowa	USA	L85	Gilbert 1998, Cindy Opitz pers. comm. 2016
MSUI	See SUI.	Iowa	USA		F&E
NMRMA	National Mississippi River Museum and Aquarium, Dubuque, Iowa	Iowa	USA		Brown et al. 2012
SUI	University of Iowa Museum of Natural History [formerly State University of Iowa], Iowa City; current as SUI (paleo), SUI.VERT (fishes and herps); much of Charles C. Nutting material transferred to USNM; also as MSUI (obsolete).	Iowa	USA		Cindy Opitz pers. comm. 2016, VertNet 2016
BC	Bethel College, Newton, Kansas (herps)	Kansas	USA		Taggart et a. 2006
FHSC	See FHSM.	Kansas	USA		Wallach et al. 2014
FHSM	Sternberg Museum of Natural History [formerly Museum of the High Plains], Fort Hays State University, Hays, Kansas; FHSM current for fishes & herps; also as MHP, SMNH (both obsolete), FHSC (paleo)	Kansas	USA		Taggart et al. 2006, Brown et al. 2012, FishNet2, Travis W. Taggart pers. comm. 2016, Pyron et al. 2016

KU	University of Kansas Biodiversity Institute [formerly as Museum of Natural History, that name now reserved for public unit of institute], Lawrence, Kansas; current for Recent fishes & Recent herps, although those collections are registered with GRBio under codes KUI & KUH, respectively, with KUIT registered separately for Ichthyology Tissue Collection; KUVF current for paleo collection. Obsolete as: KUNHM (fishes) & KUMNH (herps).	Kansas	USA	L85	F&E	Andy Bentley pers. comm. 2010, Davis et al. 2013:328
KUH	See KU.	Kansas	USA			Andy Bentley pers. comm. 2014
KUI	See KU.	Kansas	USA			Andy Bentley pers. comm. 2014
KUIT	See KU.	Kansas	USA			Andy Bentley pers. comm. 2014
KUMNH	See KU.	Kansas	USA			Taylor 1956
KUNHM	See KU.	Kansas	USA			Davis et al. 2013:328
KUVF	See KU.	Kansas	USA			Arratia & Schultze 1990, Gilbert 1998
MHP	See FHSM.	Kansas	USA			Travis W. Taggart pers. comm. 2016
SMNH	See MHP.	Kansas	USA			Brown et al. 2012
WSU	Wichita State University Fish Collection, Wichita, Kansas	Kansas	USA			Poss & Collette 1995:66
EKU	Eastern Kentucky University, Department of Biological Sciences, Branley A. Branson Museum of Zoology, Richmond, Kentucky; current; also as EUK (not adopted, obsolete)	Kentucky	USA		F&E	Guenther A. Schuster pers. comm. 2010
EUK	See EKU.	Kentucky	USA	L85		Poss & Collette 1995:66
KFW	Kentucky Department of Fish & Wildlife Resources, Frankfort, Kentucky	Kentucky	USA	L85		
MOSU	Morehead State University, College of Science and Technology, Department of Biological & Environmental Sciences, Morehead Research Fish Collection, Morehead, Kentucky	Kentucky	USA		F&E	
MSUKY	Murray State University, Murray, Kentucky	Kentucky	USA			Poss & Collette 1995:66
UKEN	University of Kentucky, Lexington, Kentucky	Kentucky	USA	L85		
UL	University of Louisville, Louisville, Kentucky; obsolete, fishes transferred to STUC, herps also transferred to other institution	Kentucky	USA	L85		Brooks Burr pers. comm. 2010
LSUMZ	Louisiana Museum of Natural History [formerly Louisiana State University, Museum of Zoology (-1999)], Baton Rouge, Louisiana; current for fishes and herps, also as LSUZM (amphibians, obsolete)	Louisiana	USA	L85	F&E	Taggart et al. 2006, McMahan et al. 2014
LSUS	Louisiana State University in Shreveport, Museum of Life Sciences, Shreveport, Louisiana	Louisiana	USA	L85		Laurence M. Hardy pers. comm. 2010
LSUZM	See LUSMZ.	Louisiana	USA			Böhme 2010
LTU	Louisiana Tech University Museum of Vertebrate Zoology, Ruston	Louisiana	USA	L85		Poss & Collette 1995:67
LWF	Louisiana Wildlife and Fisheries, Marine Biological Laboratory Museum, Grand Isle, Louisiana	Louisiana	USA			Poss & Collette 1995:67
NLU	University of Louisiana at Monroe [formerly Northeast Louisiana University], Museum of Natural History [formerly Zoology], Monroe, Louisiana; also as NLM	Louisiana	USA	L85	F&E	
NOAS	New Orleans Academy of Science, New Orleans, Louisiana	Louisiana	USA	L85		
SLU	Southeastern Louisiana University, Museum of Biology, Hammond, Louisiana	Louisiana	USA	L85		
TU	Tulane University Museum of Natural History [formerly F. Edward Hebert Riverside Research Laboratories (fishes)], Belle Chasse, Louisiana; repository for tissue samples (cited as IRES) resulting from Kenya project administered by Tulane University with funding from US National Science Foundation (International Research Experience for Students)	Louisiana	USA	L85	L&G F&E	Schmidt et al. 2015
ULL	University of Louisiana at Lafayette [formerly University of Southwestern Louisiana], Louisiana; previously as USL (obsolete)	Louisiana	USA			James Albert pers. comm. 2010
UNO	See UNOVC.	Louisiana	USA			F&E Gilbert 1998
UNOVC	University of New Orleans vertebrate collection, Department of Biological Sciences, New Orleans, Louisiana; also as UNO (obsolete)	Louisiana	USA			F&E Gilbert 1998
USL	See ULL.	Louisiana	USA	L85		Michael Doosey, pers. comm. 2010
BCB	Bowdoin College, Fish Collection, Brunswick, Maine	Maine	USA			Poss & Collette 1995:67
UMO	University of Maine, Department of Zoology, Orono, Maine; fishes includes Ira C. Darling Center Ichthyological Collection	Maine	USA	L85		Poss & Collette 1995:67
UNE	University of New England [formerly Saint Francis College], Teaching and Research Fish Collection, Biddeford, Maine	Maine	USA			Poss & Collette 1995:67

CBL	Chesapeake Biological Laboratory, University of Maryland, Solomons, Maryland; obsolete for fishes, specimens transferred to VIMS	Maryland	USA			Eric Hilton & Chip Cotton pers. comm. 2010
BSNH	Boston Society of Natural History [now Boston Museum of Science]; extant specimens now at MCZ.	Massachusetts	USA			F&E
BU	Boston University Collection, Boston, Massachusetts; fishes partly at GMWH	Massachusetts	USA			Poss & Collette 1995:67
EIS	Musée de Salem (Essex Institution), Salem, Massachusetts; herps now at MCZ.	Massachusetts	USA			Jay Savage pers. comm. 2010, Wallach et al. 2014
GMWH	Gray Museum, Marine Biological Laboratory Fish Collection, Woods Hole, Massachusetts; includes BU (Boston University Collection) in part	Massachusetts	USA			Poss & Collette 1995:67
MCZ	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts; includes collections of the Boston Museum which had been given to the Boston Society of Natural History (BSNH) in 1893 and 1899; current for fishes and herps; also as MCZ-VP (paleo, current), MCZH (obsolete)	Massachusetts	USA	L85	F&E	James Hanken pers. comm. 2013
MCZ-VP	See MCZ.	Massachusetts	USA			Wallach et al. 2014
MCZH	See MCZ.	Massachusetts	USA			F&E
MNHC	Massachusetts Natural History Collections [transferred from Massachusetts Board of Agriculture, Boston, in 1866], University of Massachusetts, Amherst	Massachusetts	USA			Cristina Cox Fernandes pers. comm. 2012
UMA	University of Massachusetts, Amherst, Massachusetts	Massachusetts	USA			Kammerer et al. 2005
UMD	University of Massachusetts Dartmouth [formerly Southeastern Massachusetts University (SMU)], Fish Collection, North Dartmouth, Massachusetts; formerly SMU	Massachusetts	USA			Poss & Collette 1995:67
USBCF	United States Bureau of Commercial Fisheries [also as USBF; functions transferred to NOAA], Biological Laboratory, Woods Hole, Massachusetts; original collection with this abbreviation mostly now at USNM.	Massachusetts	USA			F&E
USBF	See USBCF.	Massachusetts	USA			F&E Gilbert 1998
WHOI	Woods Hole Oceanographic Institution, Woods Hole, Massachusetts; Collection transferred to MCZ.	Massachusetts	USA	L85	F&E	
GRPM	Grand Rapids Public Museum, Grand Rapids, Michigan	Michigan	USA			John Bruner pers. comm. 2015
MSUF	See MSUM.	Michigan	USA			Poss & Collette 1995:67
MSUM	Michigan State University Museum, East Lansing, Michigan; also as MSU, MSUF (both obsolete); see also MSUVP (current for vert paleo)	Michigan	USA	L85	F&E	Taggart et al. 2006, Ferraris 2007
MSUVP	See MSUM.	Michigan	USA			Wallach et al. 2014
MZUM	See UMMZ.	Michigan	USA			Siegel et al. 2014
UM	See UMMZ.	Michigan	USA			Mohabey et al. 2011
UMMP	University of Michigan Museum of Paleontology, Ann Arbor, Michigan (paleo); also as UM	Michigan	USA			Gilbert 1998, Ferraris 2007
UMMZ	University of Michigan Museum of Zoology, Ann Arbor, Michigan; also as MZUM (obsolete)	Michigan	USA	L85	F&E	
JFBM	[James Ford] Bell Museum of Natural History, University of Minnesota, Minneapolis, Minnesota	Minnesota	USA	L85	F&E	Schultze & Arratia 2013:189
SMMP	Science Museum of Minnesota, St. Paul, Minnesota (paleo)	Minnesota	USA			Gilbert 1998
UMVP	University of Minnesota, Department of Geology and Geophysics, Minneapolis, Minnesota (paleo)	Minnesota	USA			Gilbert 1998
GCRL	Gulf Coast Research Laboratory, The University of Southern Mississippi, Ocean Springs, Mississippi; also as GCRLM; Some specimens moved to USM	Mississippi	USA	L85	F&E	
GCRLM	See GCRL.	Mississippi	USA			F&E
MMNS	Mississippi Museum of Natural Science [formerly Fannye A. Cook Memorial Museum], Jackson, Mississippi; some Cook fish specimens at FMNH, USNM, AMNH	Mississippi	USA	L85	F&E	http://mshistory.k12.ms.us/articles/313/fannye-cook-pioneer-conservationist
MSU	Mississippi State University, Mississippi State, Mississippi	Mississippi	USA	L85		Poss & Collette 1995:67
UMS	University of Mississippi, University, Mississippi	Mississippi	USA	L85		
USM	University of Southern Mississippi, Museum of Ichthyology, Department of Biological Sciences, Hattiesburg, Mississippi; also as USMS and USMI (fishes, Durand et al. 2012)	Mississippi	USA		L&G	Poss & Collette 1995:67
USMI	See USM.	Mississippi	USA			Durand et al. 2012
ASSL	Academy of Science of St. Louis, St. Louis, Missouri	Missouri	USA	L85		
JH	Julius Hurter private collection, St. Louis, Missouri	Missouri	USA			Wallach et al. 2014
MDC	Missouri Department of Conservation, Columbia, Missouri	Missouri	USA			Poss & Collette 1995:67

NEMS	Northeastern Missouri State University, Department of Zoology, Kirksville, Missouri	Missouri	USA	L85	Poss & Collette 1995:67
STL	St. Louis University, St. Louis, Missouri; current for fishes	Missouri	USA		Williams et al. 2007, Tang et al. 2013, White 2014
UMKC	University of Missouri, Kansas City, Missouri	Missouri	USA	L85	
UMOC	University of Missouri, Museum of Zoology, Columbia, Missouri; also as UMoMZ (obsolete)	Missouri	USA	L85	F&E Gilbert 1998
MSUB	Montana State University, Biology Department, Bozeman, Montana	Montana	USA	L85	Poss & Collette 1995:67
UMM	University of Montana, Zoology Department [also known as The Philip L. Wright Zoological Museum], Missoula, Montana; fish collection in storage	Montana	USA	L85	Poss & Collette 1995:68
UMZM	See UMM.	Montana	USA		
SNR-UNL	School of Natural Resources, University of Nebraska, Lincoln; current for teaching and research collection; see also UNSM.	Nebraska	USA		Borden et al. 2013:451
UN	University of Nebraska, Nebraska State Museum, Lincoln; obsolete, replaced by UNSM (Leviton & Gibbs 1988)	Nebraska	USA	L85	L&G
UNO	University of Nebraska at Omaha, Omaha, Nebraska	Nebraska	USA	L85	Poss & Collette 1995:68
UNSM	University of Nebraska State Museum, Lincoln; current for fishes, replaces UN (sensu Leviton et al. 1985); see also SNR-UNL	Nebraska	USA		L&G Poss & Collette 1995:68, FishNet2
BSN	Biological Survey of Nevada	Nevada	USA		Gilbert 1998
LVT	University of Nevada, Las Vegas (UNLV) Tissue Collection, Paradise, Nevada	Nevada	USA		Houston et al. 2010
UNMB	See UNR.	Nevada	USA		Gilbert 1998:5, ?Lugaski 1972
UNR	University of Nevada, Reno, Museum of Natural History, Reno, Nevada; limited number of fishes transferred to CAS; fishes also as UNRB, UNMB (both obsolete); UNR current for fishes & herps	Nevada	USA	L85	F&E Gilbert 1998, Chris Feldman pers. comm. 2014, VertNet 2016
UNRB	See UNR.	Nevada	USA		Eschmeyer's on-line Catalog of Fishes 2014
DCM	Dartmouth College Museum, Fish Collection, Hanover, New Hampshire	New Hampshire	USA		Poss & Collette 1995:68
GSNJ	Geological Survey of New Jersey [now New Jersey Geological and Water Survey], Trenton, New Jersey	New Jersey	USA		Wallach et al. 2014
NMFC	Newark Museum, Fish Collection, Newark, New Jersey	New Jersey	USA		Poss & Collette 1995:68
PU	Princeton University, Princeton, New Jersey	New Jersey	USA	L85	F&E Wallach et al. 2014
SHML	Sandy Hook Marine Laboratory [destroyed by fire in 1985; rebuilt as James J. Howard Marine Sciences Laboratory], National Marine Fisheries Service, Highlands, New Jersey	New Jersey	USA	L85	http://sh.nefsc.noaa.gov/labhist.htm
ENMU	Eastern New Mexico University, Portales, New Mexico	New Mexico	USA		Gilbert 1998
NMSU	New Mexico State University, University Park, New Mexico	New Mexico	USA	L85	
WNMU	Western New Mexico University, Silver City, New Mexico	New Mexico	USA		VertNet 2016
AMNH	American Museum of Natural History, New York; see also F:AM (paleo)	New York	USA	L85	F&E
CAD-SBU	Cheikh Anta Diop-Stony Brook University Collection, Department of Anatomical Sciences, Stony Brook University, Stony Brook, New York (paleo)	New York	USA		O'Leary et al. 2012
CU	See CUMV.	New York	USA	L85	F&E
CUMV	Cornell University Museum of Vertebrates, Ithaca, New York; previously as CU (retained on labels)	New York	USA		Williams et al. 2007, Moyer & Bemis 2016
F:AM	Frick Collection, American Museum of Natural History, New York, New York (paleo)	New York	USA		Gilbert 1998
LNHNY	New York Academy of Sciences [formerly Lyceum of Natural History], New York, New York; historical collections apparently lost (possibly burned in dock fire during the Civil War).	New York	USA		F&E Robert A. Daniels pers. comm. 2010
NYSM	New York State Museum [formerly New York State Geological and Natural History Survey (1836-1870)]; also as "State Collection" in early references to specimens collected during 1836-1840 surveys and now lost], Albany, New York	New York	USA	L85	F&E Robert A. Daniels pers. comm. 2010
NYZS	New York Zoological Society [renamed Wildlife Conservation Society in 1993; based at the Bronx Zoo], New York, New York; some fishes from historical collection now at AMNH, CAS and USNM.	New York	USA		F&E Robert A. Daniels pers. comm. 2010
VMM	Suffolk County Vanderbilt Museum [formerly Vanderbilt Marine Museum], Centerport, New York; most type specimens now at AMNH	New York	USA	L85	F&E Poss & Collette 1995:68
DPC	Duke Lemur Center, Duke University, Durham. Current as: DPC (paleo herps)	North Carolina	USA		McCartney & Seiffert 2016
DU	Duke University, Vertebrate Collection, Durham, North Carolina; also as DUF or DU F- (fishes); fishes transferred to ANSP and NCSM.	North Carolina	USA	L85	F&E

NCSM	North Carolina Museum of Natural Sciences [formerly North Carolina State Museum], Raleigh, North Carolina; includes fishes formerly at Duke University (DU) and University of North Carolina at Chapel Hill, Institute of Marine Sciences (UNC/UNC-IMS)	North Carolina	USA	L85	F&E	Gabriella Hogue pers. comm. 2013
SNCBSH	State of North Carolina Biological Station, Highlands, North Carolina	North Carolina	USA	L85		
UNC	University of North Carolina at Chapel Hill, Institute of Marine Sciences, Morehead City, North Carolina; also as UNC-IMS; fishes transferred to North Carolina Museum of Natural Sciences (NCSM) in 1996	North Carolina	USA	L85		Gabriella Hogue pers. comm. 2013
UNC-IMS	See UNC.	North Carolina	USA			Gabriella Hogue pers. comm. 2013
UNCC	University of North Carolina, Zoological Museum, UNCC Station, Charlotte, North Carolina	North Carolina	USA	L85		Poss & Collette 1995:68
UNCW	University of North Carolina at Willmington, Department of Biological Sciences, Willmington, North Carolina	North Carolina	USA	L85		
CMNH	Cleveland Museum of Natural History, Vertebrate Zoology, Cleveland, Ohio	Ohio	USA			F&E
DATM	Dayton Museum of Natural History, Dayton, Ohio	Ohio	USA	L85		Poss & Collette 1995:68
MCSNH	See MNHSC.	Ohio	USA			F&E
MNHSC	Museum of Natural History and Science, Cincinnati Museum Center at Union Terminal [formerly Museum, Cincinnati Society of Natural History], Cincinnati, Ohio; also as MCSNH	Ohio	USA			F&E
OCM	Oberlin College, Faculty of Arts and Sciences, Department of Biology, Museum, Oberlin, Ohio	Ohio	USA			F&E
OSM	Ohio State University, Museum of Biological Diversity, Museum of Zoology, Columbus, Ohio; also as OSUM (current for fishes)	Ohio	USA	L85		Gilbert 1998, Camm C. Swift & Brian Zimmerman pers. comm. 2012
OSUM	Ohio State University, Museum of Biological Diversity, Museum of Zoology, Fish Division, Columbus, Ohio; current for vouchered fishes; OSUMU used for unvouchered fish records from Ohio EPA, Ohio River Shipping and Sanitary Commission, and field collections of Brian J. Zimmerman; includes fish collection of Shelby Gerking and others from Indiana state surveys in 1940s transferred from Indiana University (IU); also as OSM (obsolete for fishes)	Ohio	USA			F&E Brian Zimmerman pers. com. 2012
OSUMU	See OSUM.	Ohio	USA			
OUVVC	Ohio University, Vertebrate Collection, Athens, Ohio	Ohio	USA	L85		
OWU	Ohio Wesleyan University, Delaware, Ohio	Ohio	USA	L85		
UCC	University of Cincinnati, Cincinnati, Ohio	Ohio	USA	L85		
OAM	See OSUS.	Oklahoma	USA			
OKMNH	See OMNH.	Oklahoma	USA		L&G	Poss & Collette 1995:68
OMNH	University of Oklahoma, Sam Noble Oklahoma Museum of Natural History [formerly Stovall Museum], Norman, Oklahoma; currently used for cataloging fishes & herps (also as OMNH-N); previously proposed abbreviation UOMZ (Leviton et al. 1985) not adopted; alternative abbreviation OKMNH proposed by Leviton & Gibbs (1988) cited in publications for fishes; also as UOMNH (obsolete)	Oklahoma	USA			Janalee P. Caldwell & E. Marsh-Matthews pers. comm. 2010, Cashner et al. 2010
OSUMZ	See OSUS.	Oklahoma	USA			
OSUS	Oklahoma State University, Department of Zoology, Stillwater, Oklahoma; current for fishes; also as OAM, OSUMZ (both obsolete)	Oklahoma	USA	L85	F&E	Gilbert 1998, Echelle et al. 2013
UCO	University of Central Oklahoma, Edmond, Oklahoma; current for herps	Oklahoma	USA			Lynda Loucks pers. comm. 2013
UOMNH	See OMNH.	Oklahoma	USA			Wallach et al. 2014
UOMZ	See OMNH.	Oklahoma	USA	L85	L&G F&E	
UTT	University of Tulsa, Fish Collection, Tulsa, Oklahoma; also as UTU (presumably obsolete)	Oklahoma	USA			Poss & Collette 1995:68
OS	Oregon State University, Department of Fisheries and Wildlife, Corvallis, Oregon; current for fishes, includes all specimens formerly at OSUO; also as OSU (obsolete); see OSUMNH for herps.	Oregon	USA	L85	F&E	Brian Sidlauskas pers. comm. 2010
OSCMNH	See OSUMNH.	Oregon	USA			Stevan J. Arnold pers. comm. 2010
OSU	See OS (fishes) & OSUMNH (herps).	Oregon	USA			F&E
OSUMNH	Oregon State University, Corvallis, Oregon; current for herps; also as OSU & OSCMNH (both obsolete); see OS for fishes	Oregon	USA			Stevan J. Arnold pers. comm. 2010

OSUO	Oregon State University, School of Oceanography, Corvallis, Oregon; obsolete, all fishes transferred to OS main collection.	Oregon	USA	L85	F&E	Brian Sidlauskas pers. comm. 2010
UO	University of Oregon, Eugene, Oregon (paleo)	Oregon	USA			Gilbert 1998
UOMNH	University of Oregon, Museum of Natural History, Eugene, Oregon	Oregon	USA	L85		
ANSP	The Academy of Natural Sciences [also known as Academy of Natural Sciences of Drexel University for marketing purposes (DBA name)], Philadelphia, Pennsylvania; current for fishes, herps and vertebrate paleontology as three separately cataloged collections; includes fishes formerly at Commercial Museum of Philadelphia (CMP, mostly from Philippines), Duke University (DU).	Pennsylvania	USA	L85	F&E	Ned Gilmore pers. comm. 2010
CM	Carnegie Museum of Natural History, Pittsburgh, Pennsylvania; current for herps and fossils, fishes transferred mostly to FMNH, CAS & CU (circa 1952); also as CMNH (obsolete, though used as recently as 2009 for amphibians & 2013 for fossil fishes)	Pennsylvania	USA	L85	F&E	González-Fernández et al. 2009, Stephen P. Rogers & Amy Henrici pers. comm. 2010, Schultze & Arratia 2013:189
CMNH	See CM.	Pennsylvania	USA			Taggart et al. 2006, González-Fernández et al. 2009, Brown et al. 2012
EUP	Edinboro University of Pennsylvania, Department of Biology and Health Services (herps)	Pennsylvania	USA			Peter Lindeman pers. comm. 2011
LU	Lehigh University, Bethlehem, Pennsylvania (herps); most alcoholic and skeletal specimens of amphibians and non-avian reptiles transferred to AMNH in 2013	Pennsylvania	USA			David L. Cundall pers. comm. 2010, 2013
PCM	Philadelphia Commercial Museum [renamed Philadelphia Civic Center Museum in 1952, completely closed in 1994], Philadelphia, Pennsylvania; fishes (mostly from Philippines) transferred to ANSP in 1917	Pennsylvania	USA			Wallach et al. 2014
PM	Charles Willson Peale's Philadelphia Museum; closed in 1846 with half of collection sold to the Boston Museum in 1850 and later transferred to the Museum of Comparative Anatomy (MCZ) in 1914	Pennsylvania	USA			Faxon 1915, Wallach et al. 2014
PSU	Pennsylvania State University, University Park, Pennsylvania	Pennsylvania	USA	L85	F&E	Poss & Collette 1995:69
PSUA	Pennsylvania State University at Altoona, Altoona, Pennsylvania; also as PSUaa	Pennsylvania	USA			Nguyen et al. 2009
PSUaa	See PSUA.	Pennsylvania	USA			David et al. 2007
WIAP	Wistar Institute [formerly Wistar Institute of Anatomy], Philadelphia, Pennsylvania; Borneo fishes extant at ANSP	Pennsylvania	USA		F&E	Kottelat 2013
YC	York College Fish Collection, York, Pennsylvania	Pennsylvania	USA			Poss & Collette 1995:69
NMFSN	National Marine Fisheries Service, Northeast Fisheries Center Fish Collection, Narragansett, Rhode Island	Rhode Island	USA			Poss & Collette 1995:69
URIZ	University of Rhode Island, Department of Zoology, Kingston, Rhode Island	Rhode Island	USA	L85		
ChM	Charleston Museum, Charleston, South Carolina; previously as CHM, but ChM preferred; incorrectly as CMR in Wallach et al. 2014:xvii	South Carolina	USA	L85		Albert E. Sanders pers. comm. 2010
CMR	See ChM.	South Carolina	USA			Wallach et al. 2014
CUSC	Clemson University, Department of Biological Sciences, Vertebrate Collections, Clemson, South Carolina	South Carolina	USA	L85	L&G	
GMBL	Grice Marine Biological Laboratory [also as Grice Marine Laboratory], Charleston, South Carolina	South Carolina	USA	L85	F&E	William D. Anderson, Jr. pers. comm. 2010
SCMRI	See SCMRRI.	South Carolina	USA	L85	L&G	
SCMRRI	South Carolina Marine Resources Research Institute, Charleston, South Carolina; replacement for SCMRI (sensu Leviton et al. 1985)	South Carolina	USA		L&G	Poss & Collette 1995:69
USC	University of South Carolina, Baruch Coastal Research Institute, Columbia, South Carolina	South Carolina	USA	L85		
NHFC	Natural Heritage Fish Collection, Department of Natural Resource Management, South Dakota State University, Brookings; current for fishes	South Dakota	USA			Matthew D. Wagner pers. comm. 2013
SDSM	South Dakota School of Mines, Museum of Geology, Rapid City, South Dakota	South Dakota	USA			Wallach et al. 2014
USDOM	University of South Dakota, W.H. Over Museum, Vermillion, South Dakota	South Dakota	USA			Poss & Collette 1995:69
APSU	Austin Peay State University, Museum, Clarksville, Tennessee; current for fishes	Tennessee	USA	L85		FishNet 2
ETVP	East Tennessee Vertebrate Paleontology, Department of Geosciences, East Tennessee State University, Johnson City, Tennessee; includes skeletons of Recent herps (no fluid material)	Tennessee	USA			Jim I. Mead pers. comm. 2010
IRES	See TU.	Tennessee	USA			Schmidt et al. 2015
MSUMZ	University of Memphis [formerly Memphis State University], Museum of Zoology, Memphis, Tennessee	Tennessee	USA	L85		Poss & Collette 1995:69

UT	University of Tennessee, Department of Zoology, Knoxville, Tennessee; current for fishes & herps; fish collection formally renamed the David A. Etnier Ichthyological Collection	Tennessee	USA	L85	F&E	Bruce Bauer & Sandy Echternacht pers. comm. 2010
UTMCV	University of Tennessee at Martin, Fish Collection, Martin, Tennessee	Tennessee	USA			Poss & Collette 1995:69
FWM	Fort Worth Museum of Science and History, Fort Worth, Texas	Tex	USA	L85		
ASNHC	Angelo State Natural History Collection, Angelo State University, San Angelo, Texas; current for herps	Texas	USA			Strickland et al. 2014
BRTC	See TCWC.	Texas	USA			Siegel et al. 2014
BU	Baylor University, Biology Department, Waco, Texas; obsolete, replaced by SMBU	Texas	USA		F&E	Echelle & Echelle 1978
DMNH	Dallas Museum of Natural History, Dallas, Texas	Texas	USA	L85		
MALB	See UTEP.	Texas	USA			
MBI	Marine Biomedical Institute, University of Texas, Galveston, Texas	Texas	USA	L85		
MUVP	Midwestern University Vertebrate Paleontology Collection, Snyder, Texas	Texas	USA			Wallach et al. 2014
MWSU	Midwestern State University, Department of Biology Collection, Wichita Falls, Texas	Texas	USA		L&G	
NNTRC	National Natural Toxins Research Center, Texas A&M University Kingsville, Texas	Texas	USA			Strickland et al. 2014
NSRL	Natural Science Research Laboratory, Museum of Texas Tech University, Lubbock, Texas; tissue collection only; TTU used for specimen collections	Texas	USA			Salcedo et al. 2011:508
PMNS	Perot Museum of Nature and Science, Dallas, Texas	Texas	USA			VertNet 2016
SMBU	Strecker Museum [moved to Mayborn Museum Complex], Baylor University, Waco, Texas; replacement for BU (Baylor University)	Texas	USA	L85		Gilbert 1998
SMP	See SMPSMU.	Texas	USA			Wallach et al. 2014
SMPSMU	Shuler Museum of Paleontology, Southern Methodist University, Dallas, Texas; also as SMP	Texas	USA			Holman 2006, Wallach et al. 2014
SRSU	Sul Ross State University, Alpine, Texas	Texas	USA	L85		
TAIC	Texas A&M University-Kingsville [formerly Texas A&I University (1967–89), John E. Conner Museum, Kingsville, Texas	Texas	USA	L85		Poss & Collette 1995:69
TCWC	Biodiversity Research and Teaching Collections [formerly Texas Cooperative Wildlife Collection], Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, Texas; includes TAMU/DO (Texas A&M University Systematic Collection of Marine Organisms, Department of Oceanography) sensu Poss & Collette (1995:69); current for fishes & herps; also as BRTC (herps, obsolete)	Texas	USA	L85	F&E	Poss & Collette 1995:69, Heather L. Prestridge pers. comms. 2013 & 2015
TNHC	Texas Natural History Collections, Texas Natural Science Center, Texas Memorial Museum (TMM), University of Texas at Austin, Austin, Texas; University of Texas at Austin sometimes incorrectly associated with abbreviation UTA, University of Texas at Arlington (e.g., Schleip & O'Shea 2010); includes UTMSI (University of Texas Marine Science Institute, Port Aransas) sensu Poss & Collette (1995:69); TNHC current for fishes & herps	Texas	USA	L85	F&E	Schleip & O'Shea 2010, Strickland et al. 2014, FishNet2
TNHM	University of Texas, Austin, Texas; deleted in Leviton & Gibbs 1988 (non-existent collection, refer to TNHC)	Texas	USA	L85	L&G	
TTU	Museum of Texas Tech University, Lubbock, Texas; herps now at TNHC; see also NSRL (tissue collection only)	Texas	USA	L85		Poss & Collette 1995:69, Taggart et al. 2006
UTA	University of Texas at Arlington, Department of Biology. Current as: UTA (amphibians). Note: UTA incorrectly associated with University of Texas at Austin in Schleip & O'Shea (2010); Leviton et al. (1985) indicated "Merriam Museum", subsequent references not found.	Texas	USA	L85		Poss & Collette 1995:69, Schleip & O'Shea 2010, Böhme 2010, Wallach et al. 2014, VertNet 2016
UTA	See TNHC.	Texas	USA			Schleip & O'Shea 2010
UTEP	University of Texas at El Paso, Biodiversity Collections [formerly Laboratory for Environmental Biology; currently associated with Centennial Museum; founded as Museum of Arid Land Biology (MALB), Department of Biological Sciences, Texas Western College], El Paso, Texas	Texas	USA	L85	F&E	Art Harris pers. comm. 2010, Eli Greenbaum pers. comm. 2014, Wallach et al. 2014
UTU	See UTT.	Texas	USA		F&E	
WMSA	Witte Museum, San Antonio, Texas	Texas	USA		F&E	
BYU	Brigham Young University, Monte L. Bean Life Science Museum, Provo, Utah; current for herps; also as MLBM (fishes)	Utah	USA	L85	F&E	Houston et al. 2010, VertNet 2016
MLBM	See BYU.	Utah	USA			Houston et al. 2010
UMNH	Utah Museum of Natural History, University of Utah, Salt Lake City, Utah; replaces UU (sensu Leviton et al. 1985)	Utah	USA		L&G	

UNMH	University of Utah, Salt Lake City, Utah; current as UNMH VP (paleo); also as UU (obsolete), UUZM (obsolete)	Utah	USA		L&G	Sampson et al. 2010
GMU	George Mason University, Vertebrate Collection, Fairfax	Virginia	USA		L&G	
ODU	Old Dominion University, Department of Biology, Norfolk, Virginia	Virginia	USA	L85		Poss & Collette 1995:69
RC	Roanoke College, Salem, Virginia	Virginia	USA	L85		Poss & Collette 1995:69
UR	University of Richmond, Department of Biology, Richmond, Virginia; obsolete for fishes, specimens transferred to VIMS in 1993 & NCSM	Virginia	USA	L85		Eric Hilton & Chip Cotton pers. comm. 2010
VIMS	Virginia Institute of Marine Science, Gloucester Point, Virginia; includes fishes formerly cataloged at CBL, UR and Virginia Commonwealth University, all of which were assigned new VIMS catalog numbers.	Virginia	USA	L85	F&E	Eric Hilton & Chip Cotton pers. comm. 2010, Sarah Huber 2014
VIMS-CBL	VIMS fish specimens received from Chesapeake Biological Laboratory (CBL)	Virginia	USA			Eric Hilton & Chip Cotton pers. comm. 2010
VIMS-UR	VIMS fish specimens received from University of Richmond, Virginia (UR) in 1993	Virginia	USA			Eric Hilton & Chip Cotton pers. comm. 2010
VISR	Virginia Institute for Scientific Research, Allen T. Gwathney Laboratory on University of Richmond campus, Richmond, Virginia; fish collection closed, some specimens to ANSP.	Virginia	USA			
AFSC	Alaska Fisheries Sciences Center, National Marine Fisheries Service, Seattle, Washington	Washington	USA			Poss & Collette 1995:70
BMUW	See UWBM.	Washington	USA			Wallach et al. 2014
CPS	See PSM.	Washington	USA	L85		
CRCM	Charles R. Conner Museum, Washington State University, Pullman, Washington	Washington	USA	L85		Poss & Collette 1995:70
CWS	Central Washington State College, Department of Biology, Ellensburg, Washington	Washington	USA	L85		
MNHW	See UW.	Washington	USA		F&E	
PSM	Slater Museum of Natural History, University of Puget Sound, Tacoma, Washington; also as CPS (obsolete)	Washington	USA			VertNet 2016
UW	University of Washington, Burke Museum of Natural History and Culture, Seattle, Washington; also as MNHW, UWF, UWFC	Washington	USA	L85	F&E	Ferraris 2007
UWBM	University of Washington, Burke Museum of Natural History and Culture, Seattle, Washington; also as BMUW (reptiles), UWFC (fishes)	Washington	USA			Adam D. Leaché pers. comm. 2010, VertNet 2016
UWF	See UW.	Washington	USA		F&E	
UWFC	See UW.	Washington	USA			VertNet 2016
WVBS	West Virginia Biological Survey, Huntington, West Virginia	West Virginia	USA	L85		
MPM	Milwaukee Public Museum, Vertebrate Zoology, Milwaukee, Wisconsin	Wisconsin	USA	L85		
UWGB	Richter Museum of Natural History, University of Wisconsin, Green Bay, Wisconsin	Wisconsin	USA			D.J. Meinhardt, pers. comm. 2006
UWM	University of Wisconsin, Zoology Department, Milwaukee, Wisconsin	Wisconsin	USA	L85		Poss & Collette 1995:70
UWSP	University of Wisconsin-Stevens Point, Museum of Natural History, Stevens Point, Wisconsin	Wisconsin	USA	L85		Poss & Collette 1995:70
UWZM	University of Wisconsin Zoological Museum, Madison, Wisconsin	Wisconsin	USA	L85		Poss & Collette 1995:70
WGNHS	Wisconsin Geological and Natural History Survey, Madison, Wisconsin	Wisconsin	USA			
UW	University of Wyoming Geological Museum, Laramie, Wyoming; see also UWYMV (recent fishes & herps)	Wyoming	USA			Grande et al. 1982
UWL	See UWYMV.	Wyoming	USA	L85		Poss & Collette 1995:70, Gilbert 1998
UWYMV	University of Wyoming, Museum of Vertebrates, Laramie, Wyoming; also as UWL (obsolete); see also UW (paleo)	Wyoming	USA			VertNet 2016
EHT	Edward H. Taylor private collection; specimens deposited primarily at CAS, CM, FMNH, KU & UIMNH		USA			Wallach et al. 2014
HM	HerpMapper Project (launched Sep 2013, global in scope); unique HM numbers catalog observations submitted by citizen scientists to online database (www.herpmapper.org) and have been cited in publications (e.g., Herpetological Review)		USA			Christopher Smith pers. comm. 2016, HerpMapper.org

NPS	National Park Service, US Department of the Interior; specimens collected on lands administered by the US National Park Service are the property of NPS, but may be deposited <i>on loan</i> at a non-NPS repository that meets federal requirements. The non-NPS repository may assign its own catalog numbers and should cross reference them to NPS catalog numbers; NPS catalogs specimen lots using a unique combination of 4-letter abbreviation (specific to NPS Unit where specimens were collected) and and up to a 6 digit number beginning with "1" (e.g., UPDE 123456 refers to a specimen lot from the Upper Delaware Scenic and Recreational River). Such lots should be cited using both the NPS and non-NPS repository catalog numbers (e.g., ANSP 187723 [NPS UPDE 2153]).		USA		Lauren Finn Hauptman pers. comm. 2016
MAC-PAY	Ministerio de Agricultura y Cría, Instituto Nacional de Investigaciones Agrícolas (INIA), Estación Experimental Amazonas, Puerto Ayacucho. Current as: MAC-PAY.	Amazonas	Venezuela		F&E Netto-Ferreira et al. 2011
MAC-APU	Ministerio de Agricultura y Cría, Instituto Nacional de Investigaciones Agrícolas (INIA), Estación Experimental Apure, San Fernando de Apure.	Apure	Venezuela		F&E
DISCA	See EBRG.	Aragua	Venezuela		F&E
EBRG	Museo de la Estación Biología de Rancho Grande, Maracay. Also as: DISCA.	Aragua	Venezuela	L85	Wallach et al. 2014
MMK	Museo de la Misión de Kavanayen, Kavanayen	Bolívar	Venezuela		Wallach et al. 2014
FCLR	Fundación Científica Los Roques, Caracas	Districto Federal	Venezuela		F&E
IVO	Serpentario del Instituto Venezolano de Ofidiología, Caracas	Districto Federal	Venezuela		Wallach et al. 2014
MACLPI	Ministerio de Agricultura y Cría, Sección de Pesca Interior y Piscicultura, Caracas	Districto Federal	Venezuela		F&E
MBUCV	Museo de Biología de la Universidad Central de Venezuela, Caracas. Current as: MBUCV-V (fishes)	Districto Federal	Venezuela	L85	F&E
MCN-USB	Museo de Ciencias Naturales, Universidad Simón Bolívar, Caracas	Districto Federal	Venezuela		Lundberg & Aguilera 2003
MCNC	Museo de Ciencias Naturales, Los Caobos (Plaza Morelos), Caracas	Districto Federal	Venezuela	L85	Wallach et al. 2014
MHNSL	Museo de Historia Natural La Salle, Fundación La Salle de Ciencias Naturales, Caracas. Formerly: Museo de Ciencias Naturales. Current as: MHNSL. Obsolete as: SCN, MNHLS.	Districto Federal	Venezuela		F&E Ferraris 2007, Wallach et al. 2014
MNHLS	See MHNSL.	Districto Federal	Venezuela		F&E
SCN	See MHNSL.	Districto Federal	Venezuela	L85	F&E
UNEFM	Universidad Nacional Experimental Francisco de Miranda, Coro. Current as: UNEFM PR (fossils).	Falcón	Venezuela		F&E Aguilera & Marceniuk 2012
CPUCLA	Colección Regional de Peces, Universidad Centroccidental Lisandro Alvarado (UCLA), Barquisimeto	Lara	Venezuela		Donald Taphorn & Douglas Rodríguez Olarte pers. comm. 2010
CVULA	Universidad de los Andes, Colección de Vertebrados, Mérida. Note: separate from ULABG at same institution. Current as: CVULA. Obsolete as: ULAM.	Mérida	Venezuela		Wallach et al. 2014, Carlos Donascimento pers. comm. 2015
ULABG	Universidad de Los Andes, Laboratorio de Biogeografía, Collection of Amphibians and Reptiles, Mérida. Note: separate from CVULA at same institution. Current as: ULABG (herps). Obsolete as: ULAM.	Mérida	Venezuela		La Marca 2008, Böhme 2010, Wallach et al. 2014, Carlos Donascimento pers. comm. 2015
ULAM	See CVULA and ULABG.	Mérida	Venezuela	L85	
EIMM	See MOBR.	Nueva Esparta	Venezuela		Glynn 1970
FLSM	See MOBR.	Nueva Esparta	Venezuela	L85	
MMM	Museo Marino de Margarita, Boca del Rio, Isla Margarita. Founded: 1994.	Nueva Esparta	Venezuela		F&E Hernández-Ávila & Campos 2007
MOBR	Museo Oceanológico Hermano Benigno Román, Estación de Investigaciones Marinas de Margarita (EDIMAR or EIMM), Fundación La Salle de Ciencias Naturales, Isla de Margarita. Current as: MOBR. Obsolete as: FLSM, EIMM, MOBR-EDIMAR.	Nueva Esparta	Venezuela		Solé 2009, Lasso-Alcalá et al. 2011
UDONECI	Universidad de Oriente, Núcleo de Nueva Esparta, Centro de Investigaciones Científicas, Porlamar, Isla Margarita. Also as: UDOV.	Nueva Esparta	Venezuela	L85	F&E
UDOV	See UDONECI.	Nueva Esparta	Venezuela		Durand et al. 2012
MCNG	Museo de Ciencias Naturales de UNELLEZ, Guanare	Portuguesa	Venezuela	L85	F&E Wallach et al. 2014
MMUDO	Museo del Mar [Museo Marino de Cumaná], Universidad de Oriente, Cumaná. Current as: MMUDO. Obsolete as: UDO, UOIO.	Sucre	Venezuela		Díaz-Díaz et al. 2014
UDO	See MMUDO.	Sucre	Venezuela	L85	
UOIO	See MMUDO.	Sucre	Venezuela	L85	

BLUZ	See MBLUZ.	Zulia	Venezuela	F&E
MBLUZ	Museo de Biología de la Universidad del Zulia, Maracaibo. Current as: MBLUZ. Obsolete as: BLUZ.	Zulia	Venezuela	Pérez & Vilorio 1994, Wallach et al. 2014
AFY	Agustín Fernández-Yépez Personal Collection. Note: extant fishes at FMNH, MBUCV, MHNLS		Venezuela	F&E
ARI	See RIA1.	Bac Ninh	Vietnam	F&E
NCNTTSI	See RIA1.	Bac Ninh	Vietnam	Kottelat 2012:13, Kottelat 2013
RIA1	Research Institute for Aquaculture no. 1 [Vien Nghien curu Nuoi trong Thuy san 1], Dinh Bang, Tu Son. Formerly: Dinh Bang Research Station. Includes: fish types of Nguyen & Doan 1969. Obsolete as: ARI, NCNTTSI, RIAH (Research Institute for Aquaculture at Hanoi, code used by Roberts & Catania 2008 but not maintained by RIA 1 staff).	Bac Ninh	Vietnam	Endrueit 2014
RIAH	See RIA1.	Bac Ninh	Vietnam	F&E
CRES	See VNUH.	Hanoi	Vietnam	Nguyen et al. 2009, Wallach et al. 2014
DVZUT	See VNUH.	Hanoi	Vietnam	F&E Watanabe et al. 2002, Ferraris 2007, Truong Nguyen pers. comm. 2010, Kottelat 2013, Endrueit 2014
HNUE	Hanoi National University of Education [Hanoi University of Pedagogy], Hanoi. Alternatively: Truong Dai hoc Su pham or University of Su Pham. Also as: HUE. Note: small fish and herp collection separate from VNUH; includes fishes described by Nguyen Huu Duc.	Hanoi	Vietnam	Kottelat 2013, Endrueit 2014
HNUV	See VNUH.	Hanoi	Vietnam	Nguyen et al. 2009
HUE	See HNUE.	Hanoi	Vietnam	Nguyen et al. 2009, Truong Nguyen pers. comm. 2010
IEBR	Institute of Ecology and Biological Resources, Vietnam Academy of Science and Technology (VAST), Hanoi. Formerly: National Center for Natural Science and Technology (NCST) of Vietnam.	Hanoi	Vietnam	Kuch et al. 2005, Bain et al. 2009, Nguyen et al. 2009, Böhme 2010, Rösler et al. 2010, Wallach et al. 2014, Endrueit 2014
NUH	See VNUH.	Hanoi	Vietnam	Nguyen et al. 2009
VNMN	Vietnam National Museum of Nature, Hoang Quoc Viet, Cau Giay, Hanoi. Current as: VNMN (fishes and herps). Note: Established in 2012.	Hanoi	Vietnam	Nguyen et al. 2009, Böhme 2010, Nguyen et al. 2013, Wallach et al. 2014
VNUH	Vietnam National University, Hanoi. Includes: Department of Vertebrate Zoology, University of Tông-Hop (DVZUT), also known as Zoology Museum, University of Hanoi (ZMUH), merged into VNUH in 1993. Current as: VNUH (fishes and herps). Obsolete as: CRES (Center for Natural Resources and Environmental Studies), HNUV, NUH, VUNH, DVZUT, ZMVNU.	Hanoi	Vietnam	David et al. 2007, Böhme 2010, Truong Nguyen pers. comm. 2010
VUNH	See VNUH.	Hanoi	Vietnam	Nguyen et al. 2009
ZMUH	See VNUH.	Hanoi	Vietnam	Akihito & Meguro 1976
ZMVNU	See VNUH.	Hanoi	Vietnam	Thinh et al. 2010
ITBCZ	Institute of Tropical Biology Collection of Zoology, Vietnam Academy of Science and Technology (VAST), Ho Chi Minh City [Saigon]. Current as: ITBCZ (herps). Obsolete as: ITBMZ.	Ho Chi Minh City	Vietnam	Nguyen et al. 2013, Tri et al. 2014; Peter Uetz pers. comm. 2014
ITBMZ	See ITBCZ.	Ho Chi Minh City	Vietnam	Nguyen et al. 2009
RIA2	Research Institute for Aquaculture no. 2 [Vien Nghien curu Nuoi trong Thuy san 2], Ho Chi Minh City.	Ho Chi Minh City	Vietnam	Endrueit 2014
TDHSP	Truong Dai Hoc Su Pham [Ho Chi Minh City Pedagogical University], Zoological Collection, Ho Chi Minh City [Saigon]	Ho Chi Minh City	Vietnam	F&E
UNS	University of Natural Sciences, Vietnam National University, Ho Chi Minh City [Saigon]. Current as: UNS (herps).	Ho Chi Minh City	Vietnam	Nguyen et al. 2009, Böhme 2010, Nguyen et al. 2013
ION	National Oceanographic Museum of Vietnam, Institute of Oceanography [Vien Hai Duong Hoc], Nha Trang.	Khánh Hòa	Vietnam	Bruce 2013, Kottelat 2013
OIM	See ION.	Khánh Hòa	Vietnam	F&E
RIA3	Research Institute for Aquaculture no. 3 [Vien Nghien curu Nuoi trong Thuy san 3], Nha Trang.	Khánh Hòa	Vietnam	Endrueit 2014
VUP	Pedagogical University of Vinh [Vinh University], Vinh	Nghệ An	Vietnam	Kottelat 2012:13, Kottelat 2013

PNKB	Science Research Centre collection, Phong Nha-Ke Bang National Park, Bo Trach. Current as: PNKB (herps).	Quang Binh	Vietnam			David et al. 2007, Nguyen et al. 2013
NMWZ	National Museum of Wales, Department of Zoology, Cardiff		Wales, UK	L85		
NHCY	Natural History Collection, Sana'a. Current as: NHCY (amphibians).		Yemen			Böhme 2010
NMZL	National Museum of Zambia, Livingstone		Zambia	L85		
UNZA	University of Zambia, Lusaka. Current as: UNZA (fishes).		Zambia			Van Steenberge et al. 2014:332
NHMZ	See NMZB.		Zimbabwe			
NM/M	See NMZB.		Zimbabwe			
NMBZ	See NMZB.		Zimbabwe		F&E	
NMSR	See NMZB.		Zimbabwe			Böhme 2010, Wallach et al. 2014
NMZB	Natural History Museum of Zimbabwe, Bulawayo. Formerly: Rhodesia Museum (R.M., 1902–1935) and National Museum of [Southern] Rhodesia (1936–1980). Includes: collections from Umtali Museum (NM/M, UM, UMZ) and Queen Victoria Memorial Museum (QVMS), Harare [Salisbury]. Obsolete as: NHMZ, NMBZ, NMSR.		Zimbabwe	L85 L&G		Eccles et al. 2011, Wallach et al. 2014
QVMS	See NMZB.		Zimbabwe	L85 L&G F&E		
R.M.	See NMZB.		Zimbabwe			Fitzsimons 1941
UM	See NMZB.		Zimbabwe			
UMZ	See NMZB.		Zimbabwe	L85 L&G		

Abbreviation sources cited in list

Abdala, C.S., D. Baldo, R.A. Juárez & R.E. Espinoza	2016	The first parthenogenetic pleurodont iguanian: a new all-female <i>Liolaemus</i> (Squamata: Liolaemidae) from western Argentina. <i>Copeia</i> 104(2): 487–497.
Acero P., Arturo, & R. Franke	1993	Una nueva especie de <i>Opistognathus</i> (Pisces: Perciformes) para la Isla de Gorgona (Pacífico Colombiano). <i>Caldasia</i> 17(2):291-293.
Agudelo-Zamora, H., P. Pelayo-Villamil, L.E. Ochoa-Orrego & L.F. Jiménez-Segura	2009	Fish, Gymnotiformes, Apterodontidae, <i>Apterodontus magdalenensis</i> (Miles, 1945): Distribution extension of an endangered endemic knifefish, in northern
Aguilera, O., & A.P. Marceniuk	2012	<i>Aspistor verumquadriscutis</i> , a new fossil species of sea catfishes (Siluriformes; Ariidae) from the upper Miocene of Venezuela. <i>Swiss J. Palaeontology</i> 2012,
Aguilera, O., W. Schwarzahans, L. Moraes-Santos & A. Nepomuceno	2014	Before the flood: Miocene otoliths from eastern Amazon Pirabas Formation reveal a Caribbean-type fish fauna. <i>Journal of South American Earth Sciences</i>
Aguirre W.E., V.R. Shervette, R. Navarrete, P. Calle & S. Agorastos	2013	Morphological and genetic divergence of <i>Hoplías microlepis</i> (Characiformes: Erythrinidae) in rivers and artificial impoundments of western Ecuador. <i>Copeia</i>
Akazaki, M., & Y. Iwatsuki	1987	Classification of the lutjanid fish genus <i>Pristipomoides</i> (Percoidei). <i>Japanese</i>
Akihito & K. Meguro	1976	<i>Glossogobius sparsipapillus</i> , a new species of goby from Vietnam. <i>Japanese</i>
Albert, J.S., F.M.C. Fernandes-Matioli & L.F. Almeida-Toledo	1999	New species of <i>Gymnotus</i> (Gymnotiformes, Teleostei) from Southeastern Brazil: toward the deconstruction of <i>Gymnotus carapo</i> . <i>Copeia</i> 1999: 410–421.
Ali, A., U. Katwate, S. Philip, K.V. Dhaneesh, A. Bijukumar, R. Raghavan & N. Dahanukar	2014	<i>Horabagrus melanosoma</i> : a junior synonym of <i>Horabagrus brachysoma</i> (Teleostei: Horabagridae). <i>Zootaxa</i> 3881(4): 373-384.
Alvarado-Díaz, J. A. Estrada-Virgen & I. Suazo-Ortuno	2007	Natural history notes on <i>Crotalus tancitarensis</i> (Serpentes: Viperidae). <i>Herpetological Review</i> 38(2): 155–157.
Amaoka, K., K. Nakaya & M. Yabe	1986	Fish collections of the Hakodate City Museum; p. 16–24 In: Hakodate City Museum (ed.). <i>Collection catalogue of Hakodate City Museum 5: Animal I.</i>
Amaral, C.R.L., P.M. Brito, D.A. Silva & E.F. Carvalho	2013	A new cryptic species of South American freshwater pufferfish of the genus <i>Colomesus</i> (Tetraodontidae), based on both morphology and DNA data. <i>PLoS</i>
Anderson Jr., W.D., G.D. Johnson & C.C. Baldwin	2015	Review of the splendid perches, Callanthias (Percoidei: Callanthiidae). <i>American Philosophical Society, Philadelphia</i> 105(3):1–126.
Anderson, Jr., W.D., & P.C. Heemstra	2012	Review of Atlantic and Eastern Pacific Anthiine fishes (Teleostei: Perciformes: Serranidae), with descriptions of two new genera. <i>Transactions of the American</i>
Andrade, B.N., & F. Langeani	2014	A new species of <i>Neoplecostomus</i> Eigenmann & Eigenmann, 1888 (Siluriformes: Loricariidae: Neoplecostominae) from the upper rio Paraná basin.
Andrade, M.C., M. Jégu & T. Giarrizzo	2016	<i>Tometes kranponhah</i> and <i>Tometes ancylorhynchus</i> (Characiformes: Serrasalminidae), two new phytophagous serrasalminids, and the first <i>Tometes</i>
Angulo, A., & J.M. Gracian-Negrete	2013	A new species of <i>Brycon</i> (Characiformes: Characidae) from Nicaragua and Costa Rica, with a key to the lower Mesoamerican species of the genus.
Arratia, G., & H.-P. Schultze	1990	The urohyal: development and homology within Osteichthyans. <i>Journal of</i>

Arratia, G., & H.-P. Schultze	2013	Outstanding features of a new Late Jurassic pachycormiform fish from the Kimmeridgian of Brunn, Germany and comments on current understanding of pachycormiforms. p. 87–120 in Mesozoic Fishes 5–Global Diversity and
Arronte, J.C., & R. López	2014	Occurrence of <i>Neocyttus helgae</i> (Zeiformes, Oreosomatidae) in the Cantabrian
Arunachalam, M., & S. Nandagopal	2014	A new species of the Genus <i>Garra</i> Hamilton, (Cypriniformes: Cyprinidae) from Nethravathi River, Western Ghats, India. <i>Species</i> 10(24): 43–57
Asai, T., H. Senou & K. Hosoya	2011	<i>Oryzias sakaizumii</i> , a new ricefish from northern Japan (Teleostei: Adrianichthyidae). <i>Ichthyological Exploration of Freshwaters</i> 22(4):289–299.
Avcı, A., N. Üzümlü, Ç. Ilgaz & K. Olgun	2009	A new finding of <i>Rhynchocalamus barani</i> , Baran's black-headed dwarf snake (Reptilia, Colubridae), in the Mediterranean region of Turkey widens its
Avila, L.J., L.E. Martinez & M. Morando	2010	Lista de las lagartijas y anfibios de Argentina: una actualización [en línea]. Ver.1.0. 1 Diciembre 2010. Centro Nacional Patagónico CENPAT-CONICET.
Avila, L.J., L.E. Martinez & M. Morando	2013	Checklist of lizards and amphisbaenians of Argentina: an update. <i>Zootaxa</i>
Azpelicueta, M.M. & A. Rubilar	1998	A Miocene Nematogenys (Teleostei: Siluriformes: Nematogenyidae) from south-central Chile. <i>Journal of Vertebrate Paleontology</i> 18:475-483
Azpelicueta, M.M. & A.L. Cione	2011	Redescription of the Eocene catfish <i>Bachmannia chubutensis</i> (Teleostei: Bachmanniidae) of Southern South America. <i>J. Vert. Paleontology</i>
Azpelicueta, M.M. & A.L. Cione	2016	A southern species of the tropical catfish genus <i>Phractocephalus</i> (Teleostei: Siluriformes) in the Miocene of South America. <i>Journal of South American Earth</i>
Baharuddin, H., M. Rizman-Idid, S. Muniandy & M. Zakaria-Ismail	2014	The occurrence of <i>Pangasius polyuranodon</i> Bleeker, 1852 (Teleostei: Pangasiidae) in peninsular Malaysia with remarks on the comparative
Baig, K.J.	1989	A new species of <i>Agama</i> (Sauria: Agamidae) from Northern Pakistan. <i>Bulletin</i>
Bain, R.H., B.L. Stuart, T.Q. Nguyen, J. Che & D.-Q. Rao	2009	A new <i>Odorrana</i> (Amphibia: Ranidae) from Vietnam and China. <i>Copeia</i> 2009(2):348-362.
Bajpai, S., & J.G.M. Thewissen	2000	A new, diminutive Eocene whale from Kachchh (Gujarat, India) and its implications for locomotor evolution of cetaceans. <i>Current Science</i> 79(10):
Bakken, T.	1999	A catalogue of the type specimens of protozoans, invertebrates and fish in the Museum of Natural History and Archaeology, NTNU. <i>Gunneria</i> 74: 1–38.
Ballen, G.A.	2012	A new species of <i>Chaetostoma</i> Tschundi (Siluriformes: Loricariidae) from Colombia with a definition of the <i>C. anale</i> species group. <i>Papéis Avulsos de</i>
Bañón, R., J.C. Arronte, W. Isbert, G. Coscelli & F. Sánchez	2014	Melanic hyper-pigmentation in the genus <i>Lepidion</i> (Gadiformes: Moridae). <i>Cybium</i> 2014 38(3): 231–234.
Batuwita, S., & R. Pethiyagoda	2012	Rediscovery of the Sri Lankan 'house gecko' <i>Hemidactylus pieresii</i> Kelaart (Reptilia: Gekkonidae) with a redescription of <i>Hemidactylus depressus</i> Gray.
Batuwita, S., M. de Silva & U. Edirisinghe	2013	A review of the danionine genera <i>Rasboroides</i> and <i>Horadandia</i> (Pisces: Cyprinidae), with description of a new species from Sri Lanka. <i>Ichthyological</i>
Beamish, R.J.	2010	The use of gill pore papillae in the taxonomy of lampreys. <i>Copeia</i> 2010(4):

Bell, C.J., J.I. Mead & L.P. Fay	1995	Neogene history of <i>Anniella</i> Gray, 1852 (Squamata, Anniellidae) with comments on postcranial osteology. <i>Copeia</i> 1995(3):719–726.
Benine, R.C., T.C. Mariguela & C. Oliveira	2009	New species of <i>Moenkhausia</i> Eigenmann, 1903 (Characiformes: Characidae) with comments on the <i>Moenkhausia oligolepis</i> species complex. <i>Neotropical</i>
Bezdek, J.	2006	Revisional study on African <i>Apophyllia</i> . Part 5 (Coleoptera: Chrysomelidae: Osteoderms of the California legless lizard <i>Anniella</i> (Squamata: Anguidae) and their relevance for considerations of miniaturization. <i>Copeia</i> 2008(4):785–793.
Bhullar, B.-A.S., & C.J. Bell	2014	<i>Allodaposuchus palustris</i> sp. nov. from the Upper Cretaceous of Fumanya (South-Eastern Pyrenees, Iberian Peninsula): Systematics, Palaeoecology and Palaeobiogeography of the Enigmatic Allodaposuchian Crocodylians. <i>PLoS ONE</i>
Blanco, A., E. Puértolas-Pascual, J. Marmi, B. Vila & A.G. Sellés	2014	Distorted views of biodiversity: spatial and temporal bias in species occurrence data. <i>PLoS Biol.</i> Jun 2010; 8(6): e1000385
Boakes, E.H., P.J.K. McGowan, R.A. Fuller, D. Chang-qing, N.E. Clark, K. O'Connor & G.M. Mace	2010	Primer registro fósil de la familia Trichomycteridae (Teleostei: Siluriformes; Plioceno) en la Formación Monte Hermoso, Argentina. <i>Rev. Mus. Argentino</i>
Bogan, S., & F.L. Agnolin	2009	Peces de la zona hidrogeográfica de la Amazonia, Colombia. <i>Biota Colombiana</i> 7(1):55–94.
Bogotá-Gregory, J.D., & J.A. Maldonado-Ocampo	2006	Genetic diversity, endemism and phylogeny of lampreys within the genus <i>Lampetra</i> sensu stricto (Petromyzontiformes: Petromyzontidae) in western
Boguski, D.A., S.B. Reid, D.H. Goodman & M.F. Docker	2012	An Annotated Check-list of the Birds of Illinois. Illinois State Museum Popular
Bohlen, H.D.	1978	A new genus and two new species of loaches (Teleostei: Nemacheilidae) from Myanmar. <i>Ichthyological Exploration of Freshwaters</i> 22(1):1-10.
Bohlen, J. & V. Šlechtová	2011	<i>Schistura kampuchensis</i> , a new species of loach from Cambodia (Teleostei: Nemacheilidae). <i>Ichthyological Exploration of Freshwaters</i> 26(4): 353–362.
Bohlen, J., M. Petrtyl, P. Chaloupková & C. Borin	2016	Catalog of type specimens in the ichthyological collection of The Academy of Natural Sciences of Philadelphia. <i>Academy of Natural Sciences Special</i>
Böhlke, E.B.	1984	A list of the herpetological type specimens in the Zoologisches Forschungsmuseum Alexander Koenig, Bonn. <i>Bonn zoological Bulletin</i> 59:
Böhme, W.	2010	An amphisbaenian Skull from the European Miocene and the Evolution of Mediterranean Worm Lizards. <i>PLoS ONE</i> 9(6): e98082.
Bolet, A., M. Delfino, J. Fortuny, S. Almécija, J.M. Robles & D.M. Alba	2014	Comparative osteology and myology of the caudal fin in the Paracanthopterygii (Teleostei: Acanthomorpha). p. 419–455 in <i>Mesozoic Fishes 5–Global Diversity and Evolution</i> , G. Arratia, H.-P. Schultze & M.V.H. Wilson (eds.). Verlag Dr.
Borden, W.C., T. Grande & W.L. Smith	2013	Three new species of phytotelm-breeding <i>Melanophryniscus</i> from the Atlantic Rainforest of Southern Brazil (Anura: Bufonidae). <i>PLoS ONE</i> 10(12): e0142791. doi:10.1371/journal.pone.0142791
Bornschein, M.R., C.R. Firkowski, D. Baldo, L.F. Ribeiro, R. Belmonte-Lopes, L. Corrêa, S.A.A. Morato & M.R. Pie	2015	External structure of postorbital organ of certain representatives of family astronesthidae (Stomiiformes). <i>Journal of Ichthyology</i> 48(6):422-425.
Borodulina, O.D.	2008	

Borteiro, C., F. Kolenc, C. Prigioni, M.L. Lyra & D. Baldo	2013	A lost species or the loss of stripes? The case of <i>Contomastix</i> lizards from Cabo Polonio, Uruguay, with observations on <i>C. lacertoides</i> (Duméril & Bibron) and
Brancolini, F., P. Minotti, L. Protogino, H. López, D. Colautti & C. Baigún	2014	Fish fauna from Río Pilcomayo National Park and Ramsar site and its surroundings, Formosa, Argentina. Check List 10(6): 1387–1400
Brito M., J., D. Batallas R. & D. Velalcázar	2014	Nueva especie de Rana terrestre del género <i>Pristimantis</i> (Amphibia: Craugastoridae), meseta de la Cordillera del Cóndor. Papéis Avulsos de
Britto, M.R., & R.M.C. Castro	2002	New corydoradine catfish (Siluriformes: Callichthyidae) from the Upper Paraná and São Francisco: The sister group of <i>Brochis</i> and most of <i>Corydoras</i> species.
Britz, R., & G.D. Johnson	2012	Ontogeny and homology of the skeletal elements that form the sucking disc of remoras (Teleostei, Echeneoidei, Echeneidae). Journal of Morphology
Britz, R., A. Ali, & R. Raghavan	2012	<i>Pangio ammophila</i> , a new species of eel-loach from Karnataka, southern India (Teleostei: Cypriniformes: Cobitidae). Ichthyological Exploration of Freshwaters
Bruce, A.J.	2013	Identification aid for the Indo-West Pacific species of <i>Periclimenaeus</i> Borradaile, 1915 (Crustacea: Decapoda: Caridea: Pontoniinae) using ambulatory dactyli.
Bruner, J.C.	1991	A catalogue of type specimens of fossil vertebrates in the Field Museum of Natural History. Classes Amphibia, Reptilia, Aves, and Ichnites. Fielding
Bruner, J.C.	1992	A catalogue of type specimens of fossil fishes in the Field Museum of Natural History. Fielding Geology New Series No. 23. Publication 1431. 54 pp.
Cabrera, M.R., & S.E. Colantonio	2001	Ontogenetic variation of plastral spotting pattern in <i>Phrynops hilarii</i> (Testudines, Chelidae). Iheringia, Sér. Zool., Porto Alegre 91:115–122.
Caldas A., J.P., D.A. Didier, A. Santos-Martínex & A. Acero P.	2009	New record of <i>Chimaera cubana</i> Howell-Rivero (Chondrichthyes: Holocephali: Chimaeridae) from the western Caribbean Sea. Pan-American Journal of Aquatic
Caldwell, M.W., R.L. Nydam, A. Palci & S. Apesteguía	2015	The oldest known snakes from the Middle Jurassic-Lower Cretaceous provide insights on snake evolution. Nature Communications 6:5996 doi:
Calegari, B.B., P. Lehmann A. & R.E. Reis	2011	A new species of <i>Otothyropsis</i> (Siluriformes: Loricariidae) from the rio Paraguay basin, Paraguay. Neotropical Ichthyology 9(2): 253–260.
Cardoso, Y.P., F. Brancolini, A. Paracampo, M. Lizarralde, R. Covain & J.I. Montoya-Burgos	2016	<i>Hypostomus formosae</i> , a new catfish species from the Paraguay River Basin with redescription of <i>H. boulengeri</i> (Siluriformes: Loricariidae). Ichthyological Exploration of Freshwaters 27(1): 9–23.
Carvalho-Filho, A., G. Marcovaldi, C.L.S. Sampaio, M. Isabel, G. Paiva & L.A.G. Duarte.	2010	First report of <i>Aulopus</i> (Teleostei: Aulopidae) from Southwestern Atlantic, with a review of records and a key to Western Atlantic Aulopoidei species. Zootaxa 2628:27-42. 27–42
Carvalho, F.R., & A.C. Santos	2015	Taxonomic status of <i>Tetragonopterus anomalus</i> Steindachner, 1891, an <i>inquirenda</i> species in Characidae (Teleostei: Characiformes). Zootaxa
Cashner, R.C., W.J. Matthews, E. Marsh-Matthews, P.J. Unmack & F.M. Cashner	2010	Recognition and redescription of a distinctive stoneroller from the Southern Interior Highlands. Copeia 2010(2):300-311.
Castellanos-Morales, C. A.	2008	<i>Trichomycterus uisae</i> : a new species of hypogean catfish (Siluriformes: Trichomycteridae) from the northeastern Andean Cordillera of Colombia.

Castro-Aguirre, J.L., G. Ruiz-Campos & E.F. Balart	2002	A new species of the genus <i>Lile</i> (Clupeiformes: Clupeidae) of the eastern tropical Pacific. <i>Bulletin of the Southern California Academy of Sciences</i> v. 101
Cei, J.M., J.A. Scolaro & F. Videla	2003	A taxonomic revision of recognized Argentine species of the leiosaurid genus <i>Diplolaemus</i> (Reptilia, Squamata, Leiosauridae). <i>Facena</i> 19:137–155.
Céspedes, J.A.	2003	Una nueva especie de <i>Melanophryniscus</i> Gallardo, 1961 de las provincias de Córdoba y San Luis, Argentina (Amphibia: Anura: Bufonidae). Universidad Nacional del Nordeste
Chamizo Lara, A.R., L.V. Moreno García & L. Rodríguez Schettino	2005	Holotypes of reptiles in the herpetological collection of the Institute of Ecology and Systematics, Cuba. <i>Smithsonian Herpetological Information Service</i> No.
Chamon, C.C.	2016	Redescription of <i>Acanthicus hystrix</i> Agassiz, 1829 (Siluriformes: Loricariidae), with comments on the systematics and distribution of the genus. <i>Zootaxa</i>
Cheblukov, V.P., M.G. Kazykhanova & P.G. Milovankin	2007	Catalogue of the marine reptiles of Indo-West Pacifica collection in Zoological Museum of Far-Eastern University and Marine Museum of Pacific Fisheries
Chen, G., F. Fang & M.-M. Chang	2005	A new cyprinid closely related to cultrins+Xenocyprinins from the mid-Tertiary of South China. <i>Journal of Vertebrate Paleontology</i> 25(3):492–501.
Chen, H.-M., K.-T. Shao & C.-T. Chen	1996	A new moray eel, <i>Gymnothorax niphostigmus</i> , (Anguilliformes: Muraenidae) from Northern and Eastern Taiwan. <i>Zoological Studies</i> 35(1):20–24.
Chen, Y.-Q., C.-L. Peng & E. Zhang.	2016	<i>Sinocyclocheilus guanyangensis</i> , a new species of cavefish from the Li-Jiang basin of Guangxi, China (Teleostei: Cyprinidae). <i>Ichthyological Exploration of</i>
Chuaynkern, Y., P. Duengkae, C. Chuaynkern, A. Tanomtong & I. Patawang	2013	Reptilia, Squamata, Scincidae, <i>Lygosoma haroldyoungi</i> (Taylor, 1962): New distribution records. <i>Check List</i> 9(1):118–120.
Cioné, A.L., W.M. Dahdul, J.G. Lundberg & A. Machado-Allison	2009	<i>Megapiranha paranensis</i> , a new genus and species of Serrasalminae (Characiformes: Teleostei) from the Upper Miocene of Argentina. <i>Journal of</i>
Coloma, L.A., S. Carvajal-Endara, J.F. Dueñas, A. Paredes-Recalde, M. Morales-Mite, D. Almeida-Reinoso, E.E. Tapia, C.R. Hutter, E. Toral & J.M. Guayasamin	2013	Molecular phylogenetics of stream treefrogs of the <i>Hyloscirtus larinyopygion</i> group (Anura: Hylidae), and description of two new species from Ecuador. <i>Zootaxa</i> 3364:1–78.
Compagno, L.J.V., W.T. White & R.D. Cavanagh	2010	<i>Glyphis fowlerae</i> sp. nov., a new species of river shark (Carcharhiniformes; Carcharhinidae) from northeastern Borneo, p. 29–44. In: P.R. Last, W.T. White, J.J. Pogonoski (eds), <i>Descriptions of new sharks and rays from Borneo</i> .
Correa, C., G. Lobos, L. Pastenes & M.A. Méndez	2008	Invasive <i>Pleurodema thaul</i> from Robinson Crusoe Island: molecular identification of its geographic origin and comments on the phylogeographic
COSEWIC	2010	COSEWIC assessment and status report on the Chestnut Lamprey <i>Ichthyomyzon castaneus</i> (Great Lakes - Upper St. Lawrence populations and Saskatchewan - Nelson River populations) in Canada. <i>Committee on the Status</i>
Craig, M.T., S.V. Bogorodsky, J.E. Randall & A.O. Mal	2015	<i>Lepadichthys bilineatus</i> , a new species of clingfish from Oman (Teleostei: Gobiesocidae), with a redescription of <i>Lepadichthys erythraeus</i> Briggs and Link
Daeschler, E.B.	2015	<i>Tiktaalik roseae</i> at the Academy of Natural Sciences of Philadelphia. <i>Proceedings of the Academy of Natural Sciences of Philadelphia</i> 164: 1.

Darshan, A., N. Anganthoibi, & W. Vishwanath	2011	<i>Batasio convexirostrum</i> , a new species of catfish (Teleostei: Bagridae) from Koladyne basin, India. <i>Zootaxa</i> 2901:52–58.
Darshan, A., W. Vishwanath, P.C. Mahanta, & A. Barat	2011	<i>Mystus ngasep</i> , a new catfish species (Teleostei: Bagridae) from the headwaters of Chindwin drainage in Manipur, India. <i>Journal of Threatened Taxa</i>
Das, A., M. Chetia, S. Kumar Dutta & S. Sengupta	2013	A new species of <i>Duttaphrynus</i> (Anura: Bufonidae) from Northeast India. <i>Zootaxa</i> 3646(4): 336–348.
Das, I., & B. Dattagupta	1998	Rediscovery of the holotype of <i>Leiurus berdmorei</i> Blyth, 1853 (Sauria: Gekkonidae). <i>Journal of South Asian Natural History</i> 3(1): 51–52.
David, P., & G. Vogel	1998	Redescription of <i>Trimeresurus huttoni</i> Smith, 1949 (Serpentes, Crotalinae), with a discussion of its relationships. <i>Hamadryad</i> 22(2):73–87.
David, P., R.H. Bain, N.Q. Truong, N.L. Orlov, G. Vogel, V.N. Thanh & T. Ziegler	2007	A new species of the natricine snake genus <i>Amphiesma</i> from the Indochinese Region (Squamata: Colubridae: Natricinae). <i>Zootaxa</i> 1462:41–60.
Davie, P.J.F.	2002	Zoological Catalogue of Australia. Vol. 19.3B. Crustacea: Malacostraca (Part 2). The first fossil shell and its implications for the evolution and divergence of the Kneriidae (Teleostei: Gonorynchiformes). p. 325–362 in <i>Mesozoic Fishes 5–Global Diversity and Evolution</i> , G. Arratia, H.-P. Schultze & M.V.H. Wilson
Davis, M.P., G. Arratia & T.M. Kaiser	2013	
Dawson, C.E.	1969	A new Eastern Pacific sand stargazer, <i>Dactyloscopus byersi</i> (Pisces:
Daza, J.M., E.N. Smith, V.P. Páez & C.L. Parkinson.	2009	Complex evolution in the Neotropics: The origin and diversification of the widespread genus <i>Leptodeira</i> (Serpentes: Colubridae). <i>Molecular Phylogenetics</i>
de Santana, C.D., & C. Cox Fernandes	2012	A new species of sexually dimorphic electric knifefish from the Amazon Basin, Brazil (Gymnotiformes: Apterontidae). <i>Copeia</i> 2012(2):283–292.
de Santana, C.D., & J.A. Maldonado-Ocampo	2005	<i>Apterontus milesi</i> , new species of ghost knifefish (Gymnotiformes: Apterontidae) from the Cauca River, with a key to apterontids from the
de Santana, C.D., & R.P. Vari	2010	Electric fishes of the genus <i>Sternarchorhynchus</i> (Teleostei, Ostariophysi, Gymnotiformes); phylogenetic and revisionary studies. <i>Zoological Journal of the</i>
de Santana, C.D., & R.P. Vari	2013	Brown ghost electric fishes of the <i>Apterontus leptorhynchus</i> species-group (Ostariophysi, Gymnotiformes); monophyly, major clades, and revision.
Deli Antoni, M.Y., S.M. Delpiani, A.L. Stewart, M. González-Castro & J.M. Díaz de Astarloa	2015	<i>Merluccius tasmanicus</i> Matallanas & Lloris 2006 is a junior synonym of <i>M. australis</i> (Hutton 1872) (Gadiformes: Merlucciidae) based on morphological and molecular data. <i>Zootaxa</i> 3956(1): 29–55.
Devaere, S., D. Adriaens & W. Verraes	2007	Survey of the anguilliform Clariidae (Teleostei, Siluriformes) of Gabon and Republic of Congo, with description of two new species and key to the African
Díaz de Astarloa, J.M.	1996	Editorial Notes and News: Fish Collection. <i>Copeia</i> 1996(4):1073
Díaz-Díaz, O., A. Cárdenas-Oliva & I. Liñero-Arana	2014	<i>Caulleriella petersenae</i> n. sp. and two new records of Cirratulidae (Annelida: Polychaeta) from Venezuela. <i>Boletín de Investigaciones Marinas y Costeras-</i>
Díaz, L.M., A. Cádiz & N. Navarro	2005	A new ground-dwelling frog of the genus <i>Eleutherodactylus</i> (Anura: Leptodactylidae) from eastern Cuba, and a reconsideration of the <i>E. dimidiatus</i>

Domínguez-Domínguez, O., R. Pérez-Rodríguez, L.H. Escalera-Vázquez & I. Doadrio	2009	Two new species of the genus <i>Notropis</i> Rafinesque (Actinopterygii, Cyprinidae) from the Lerma River Basin in central Mexico. <i>Hidrobiológica</i> v. 19 (no. 2): 159-172.
Doronin, I.V.	2012	Review of the type specimens of Rock Lizards of <i>Darevskia (saxicola)</i> complex (Sauria: Lacertidae). [in Russian] <i>Proceedings of the Zoological Institute of the</i>
Dourado, A.C.M., L. Oliveira & A.L.C. Prunte	2013	Pseudoautotomy in <i>Dendrophidion dendrophis</i> and <i>Mastigodryas bifossatus</i> (Serpentes: Colubridae): tail morphology and breakage frequency. <i>Copeia</i>
Dulčić, J., & B. Dragičević	2014	Occurrence of Lessepsian migrant <i>Lagocephalus sceleratus</i> (Tetraodontidae) in
Dunz, A.R., E. Vreven & U.K. Schliewen	2012	<i>Congolapia</i> , a new cichlid genus from the central Congo basin (Perciformes: Cichlidae). <i>Ichthyological Exploration of Freshwaters</i> 23(2):155-179.
Durand, J.-D., K.-N. Shen, W.-J. Chen, B.W. Jamandre, H. Blel, K. Diop, M. Nirchio, F.J. Garcia de León, A.K. Whitfield, C.-W. Chang & P. Borsa	2012	Systematics of the grey mullets (Teleostei: Mugiliformes: Mugilidae): Molecular phylogenetic evidence challenges two centuries of morphology-based taxonomy. <i>Molecular Phylogenetics and Evolution</i> 64(2012):73-92.
Eccles, D.H., D. Tweddle & P.H. Skelton	2014	Eight new species in the dwarf catfish genus <i>Zaireichthys</i> (Siluriformes: Amphiliidae). <i>Smithiana, Publications in Aquatic Biodiversity, Bulletin No.</i>
Echelle, A.A., & A.F. Echelle.	1978	The Pecos River pupfish, <i>Cyprinodon pecosensis</i> n. sp. (Cyprinodontidae), with comments on its evolutionary origin. <i>Copeia</i> 1978(4):569-582.
Echelle, A.A., M. Lourdes Lozano Vilano, S. Baker, W.D. Wilson, A.F. Echelle, G.P. Garrett & R.J. Edwards	2013	Conservation genetics of <i>Gambusia krumholzi</i> (Teleostei: Poeciliidae) with assessment of the species status of <i>G. clarkhubbsi</i> and hybridization with <i>G. speciosa</i> . <i>Copeia</i> 2013(1):72-79.
Ehret, D.J., & J. Ebersole	2014	Occurrence of the megatoothed sharks (Lamniformes: Otodontidae) in
Eigenmann, C.H.	1925	A review of the Doradidae, a family of South American Nematognathi, or catfishes. <i>Transactions of the American Philosophical Society (New Series)</i> v. 22
Ekmekçi, F.G., M.A. Atalay, B. Yoğurtçuoğlu, D. Turan & F. Küçük	2015	A new species of <i>Pseudophoxinus</i> (Teleostei: Cyprinidae) from Southwestern Anatolia, Turkey. <i>Zootaxa</i> 4033 (1): 117-128.
Endruweit, M.	2014	Taxonomical notes on selected freshwater fish species described from northern and central Vietnam (Cypriniformes: Balitoridae, Cobitidae, Cyprinidae, Nemacheilidae; Perciformes: Channidae, Osphronemidae; Synbranchiformes:
Esmaeili, H.R., G. Sayyadzadeh, M. Özulug, M. Geiger & J. Freyhof	2014	Three new species of <i>Turcinoemacheilus</i> from Iran and Turkey (Teleostei: Nemacheilidae). <i>Ichthyological Exploration of Freshwaters</i> 24(3):257-273.
Falautano, M., L. Castriota, P. Battaglia, T. Romeo & F. Andaloro	2014	First record of the Lessepsian species <i>Hemiramphus far</i> (Hemiramphidae) in Italian waters. <i>Cybio</i> 38(3): 235-237.
Faxon, W.	1915	Relics of Peale's Museum. <i>Bulletin of the Museum of Comparative Zoology,</i>
Fernández, L. & J.Andreoli Bize	2015	<i>Hatcheria macraei</i> (Girard, 1855) (Siluriformes, Trichomycteridae): new record from northwestern Argentina. <i>Check List</i> 11(4):1-3.
Fernández, L., & R. Quispe Chuquihamani	2007	A new species of <i>Trichomycterus</i> (Siluriformes: Trichomycteridae) from the Andean Cordillera of Perú, with comments on relationships within the genus.

Fernández, L., & R.P. Vari	2009	New species of <i>Trichomycterus</i> from the Andean Cordillera of Argentina (Siluriformes: Trichomycteridae). <i>Copeia</i> 2009(1):195-202.
Fernández, L., & R.P. Vari	2012	New species of <i>Trichomycterus</i> (Teleostei: Siluriformes) from the Andean Cordillera of Argentina and the second record of the genus in thermal waters.
Ferraris, C.J., Jr.	2007	Checklist of catfishes, recent and fossil (Osteichthyes: Siluriformes), and catalogue of siluriform primary types. <i>Zootaxa</i> No. 1418: 1-628.
Ferraro, D.P., & J.D. Williams	2006	Material tipo de la colección de herpetología del Museo de la Plata, Buenos
Ferreira, R.B., T. Silva-Soares, J.F.R. Tonini & R. de Barros Dantas	2010	New records and distribution of a species vulnerable to extinction: <i>Euparkerella tridactyla</i> (Anura, Strabomantidae). <i>Herpetology Notes</i> 3:57-60.
Figueiredo, F.J.	2009	A new clupeiform fish from the Lower Cretaceous (Barremian) of Sergipe-Alagoas Basin, northeastern Brazil. <i>Journal of Vertebrate Paleontology</i>
Fischer, V., M.W. Maisch, D. Naish, R. Kosma, J. Liston, U. Joger, F.J. Krüger, J.P. Pérez, J. Tainsh & R.M. Appleby	2012	New Ophthalmosaurid Ichthyosaurs from the European Lower Cretaceous Demonstrate Extensive Ichthyosaur Survival across the Jurassic-Cretaceous Boundary. <i>PLoS ONE</i> 7(1): e29234. doi:10.1371/journal.pone.0029234
FishNet2	2015	Collaborative Georeferencing Project: Repatriation Phase at
Fitzsimons, V.	1941	Descriptions of some new lizards from South Africa and a frog from southern Rhodesia. <i>Annals of the Transvaal Museum</i> 20(3): 273-281.
Flores-Villela, O. & J.A. Hernández.	1992	Las colecciones herpetológicas mexicanas. <i>Publicaciones Especiales del Museo</i>
Flores-Villela, O., V. Hugo Reynoso & G. Magaña-Cota	2010	More notes on Alfredo Dugès' names for Mexican reptilian taxa. <i>Zootaxa</i> 2600:66-68.
Fong G., A., & L.F. de Armas	2011	The easternmost record for <i>Tropidophis spiritus</i> Hedges and Garrido, 1999 (Serpentes: Tropidophiidae) in Cuba. <i>Herpetology Notes</i> 4: 111-112.
Gans, C.	1976	Three new spade-snouted amphisbaenians from Angola (<i>Amphisbaenia</i> ,
García-Dávila, C., F. Duponchelle, D. Castro-Ruiz, J. Villacota, S. Quérouil, W. Chota-Macuyama, J. Núñez, U. Römer, F. Carvajal-Vallejos & J.-F. Renno	2013	Molecular identification of a cryptic species in the Amazonian predatory catfish genus <i>Pseudoplatystoma</i> (Bleeker, 1962) from Peru. <i>Genetica</i> 141(7-9):347-358.
García-Machado, E., D. Hernández, A. García-Debrás, P. Chevalier-Monteaudo, C. Metclafe, L. Bernatchez & D. Casane	2011	Molecular phylogeny and phylogeography of the Cuban cave-fishes of the genus <i>Lucifuga</i> : evidence for cryptic allopatric diversity. <i>Molecular Phylogenetics and Evolution</i> 61(2011): 470-483.
García-Ramírez, M. E., S. Contreras-Balderas, & M. de L. Lozano-Vilano	2007	<i>Fundulus philpisteri</i> sp. nv. (Teleostei: Fundulidae) from the Río San Fernando basin, Nuevo León, México. Pp. 13-19 in: Lozano-Vilano & Contreras-Balderas (eds.). <i>Studies on North American desert fishes in honor of E.P. (Phil) Pister</i> ,
Garcia, D.A.Z., A.C. Marioto, O.A. Shibatta & M.L. Orsi	2010	Elaboração de Coleções Ictiológicas Complementares do Museu de Zoologia da Universidade Estadual de Londrina, PR. <i>Boletim Sociedade Brasileira de</i>
Garrido, O.H., & S.B. Hedges	2000	Elevation of <i>Anolis vanidicus rejectus</i> Garrido and Schwartz (Sauria: Iguanidae) to species status and designation of <i>Anolis mimus</i> Schwartz and Thomas as a
Garrido, O.H., E. Gutiérrez & C. Varela	2008	El sapito <i>Malacoctenus delalandei</i> (Pisces: Labrisomidae) no pertenece a la

Garrone-Neto, D., O.B.F. Gadig, J. Zuanon & L.N. Carvalho	2014	Cleaning interactions between shrimps (Palaemonidae) and freshwater stingrays (Potamotrygonidae) in the Paraná River, Southeastern Brazil.
Geetakumari, K., & C. Basudha	2012	<i>Parambassis waikhomi</i> , a new species of glassfish (Teleostei: Ambassidae) from Loktak Lake, northeastern India. <i>Journal of Threatened Taxa</i> 4(14):
Gholamifard, A., & H.R. Esmaeili	2009	First record and range extension of Field's horned viper, <i>Pseudocerastes fieldi</i> Schmidt, 1930 (Squamata: Viperidae), from Fars province, southern Iran.
Gilbert, C.A.	1998	Type catalog of Recent and fossil North American Freshwater fishes: families Cyprinidae, Catostomidae, Ictaluridae, Centrarchidae and Elasmobranchidae.
Gilbert, C.A.	2009	The "lost" Jordan and Hay fish collection at Butler University. <i>Proceedings of the Indiana Academy of Sciences</i> v. 118 (no. 2): 143-186.
Gill, A.C., S.V. Bogorodsky & A.O. Mal	2013	<i>Acanthoplesiops cappuccino</i> , a new species of acanthoclinine fish from the Red Sea (Teleostei: Plesiopidae). <i>Zootaxa</i> 3750(3): 216-222.
Gleadall, I.G.	2003	A note on the Cephalopoda type specimens in the zoology department of Tokyo University Museum. <i>Journal Molluscan Studies</i> 69:375-380.
Glynn, P.W.	1970	A systematic study of the Sphaeromatidae (Crustacea: Isopoda) of Isla Margarita, Venezuela, with descriptions of three new species. <i>Memoria de la</i>
Godoy, M.P.	1980	<i>Poluição – peixes e pesca; reconhecimento preliminar com descrição de duas espécies novas de peixes, Rios Uruguia, Pelotas e Apuae, aproveitamentos de Itá e de Machadinho, o impacto da ação do homem sobre a natureza.</i> ELETROSUL,
Golzarianpour, K., A. Abdoli, R. Patimar & J. Freyhof	2013	<i>Turcinoemacheilus hafezi</i> , a new loach from the Zagros Mountains, Iran (Teleostei; Nemacheilidae). <i>Ichthyological Exploration of Freshwaters</i>
González-Fernández, J.E., T. García-Díez & L. San Segundo	2009	The amphibian type specimens preserved in the Museo Nacional e Ciencias Naturales (CSIC) of Madrid, Spain. <i>Spixiana</i> 32(2): 265-283.
González-Rodríguez, K.A., H.-P. Schultze & G. Arratia	2013	Miniature armored acanthomorph teleosts from the Albian/Cenomanian (Cretaceous) of Mexico. p. 457-487 in <i>Mesozoic Fishes 5-Global Diversity and</i>
Gopi, K.C.	2001	<i>Garra periyarensis</i> , a new cyprinid fish from Periyar Tiger Reserve, Kerala, India. <i>Journal, Bombay Natural History Society</i> 98(1): 80-83.
Gottfried, M.D., & D.W. Krause	1998	First record of gars (Lepisosteidae, Actinopterygii) on Madagascar: Late Cretaceous remains from the Mahajanga basin. <i>Journal of Vertebrate</i>
Gower, D.J., V. Giri, V.R. Torsekar, K. Gaikwad & M. Wilkinson	2013	On the taxonomic status of <i>Gegeneophis nadkarnii</i> Bhatta & Prashanth, 2004 (Amphibia: Gymnophiona: Indotyphlidae). <i>Zootaxa</i> 3609(2): 204-212.
Grande, L., J.T. Eastman & T.M. Cavender	1982	<i>Amyzon gosiutensis</i> , a new catostomid fish from the Green River Formation.
Gudynas, E., J.D. Williams & M.M. Azpelicueta	1988	Morphology, ecology and biogeography of the South American caecilian <i>Chthonerpeton indistinctum</i> (Amphibia: Gymnophiona: Typhlonectidae).
Guo, P., F. Zhu, Q. Liu, L. Zhang, J.X. Li, Y.Y. Huang & R.A. Pyron	2014	A taxonomic revision of the Asian keelback snakes, genus <i>Amphiesma</i> (Serpentes: Colubridae: Natricinae), with description of a new species. <i>Zootaxa</i>

Gururaja, K.V., K.P. Dinesh, Muhamed Jafer Palot, C. Radhakrishnan & T.V. Ramachandra	2007	A new species of <i>Philautus</i> Gistel (Amphibia: Anura: Rhacophoridae) from southern Western Ghats, India. <i>Zootaxa</i> 1621:1-16
Hafner, M.S., W.L. Gannon, J. Salazar-Bravo, & S.T. Alvarez-Castaneda	1997	Mammal Collections in the Western Hemisphere: A Survey and Directory of Existing Collections. American Society of Mammalogists.
Harvey, M.B.	1994	A new species of montane pitviper (Serpentes: Viperidae: <i>Bothrops</i>) from Cochabamba, Bolivia. <i>Proceedings of the Biological Society of Washington</i>
Harvey, M.B.	1999	Revision of Bolivian <i>Apostolepis</i> (Squamata: Colubridae). <i>Copeia</i>
Havird, J.C., & L.M. Page	2010	A revision of <i>Lepidocephalichthys</i> (Teleostei: Cobitidae) with descriptions of two new species from Thailand, Laos, Vietnam, and Myanmar. <i>Copeia</i> 2010 (no. 1):
Hermann, J.	1804	Observationes zoologicae, quibus novae complures, aliaeque animalium species describuntur et illustrantur. Opus posthumum edidit Fridericus Ludovicus
Hernández-Ávila, I., & E. Campos	2007	<i>Parapinnixa bolagnosi</i> , a new species of pinnotherid crab from Cubagua Island and Los Frailes Archipelago, Venezuela (Crustacea: Brachyura: Pinnotheridae).
Ho, H.-C., & K.-T. Shao	2010	A new species of <i>Chaunax</i> (Lophiiformes: Chaunacidae) from the western South Pacific, with comment on <i>C. latipunctatus</i> . <i>Zootaxa</i> 2445:53–61.
Ho, H.-C., & K.-T. Shao	2011	Annotated checklist and type catalog of fish genera and species described from
Ho, H.-C., J.E. McCosker & D.G. Smith	2013	Revision of the worm eel genus <i>Neenchelys</i> (Ophichthidae: Myrophinae), with descriptions of three new species from the western Pacific Ocean. <i>Zoological</i>
Ho, H.-C., R.K. Meleppura & K.K. Bineesh	2016	<i>Chaunax multilepis</i> sp. nov., a new species of <i>Chaunax</i> (Lophiiformes: Chaunacidae) from the northern Indian Ocean. <i>Zootaxa</i> 4103(2): 130–136.
Hoffmeister, D.F.	1989	Mammals of Illinois. University of Illinois Press, Urbana.
Holčík, J. & K. Hensel	1974	A new species of <i>Gymnocephalus</i> (Pisces: Percidae) from the Danube, with
Holman, J.A.	2006	Fossil salamanders of North America. Indiana University Press, Bloomington.
Houston, D.D., D.K. Shiozawa & B.R. Riddle	2010	Phylogenetic relationships of the western North American cyprinid genus <i>Richardsonius</i> , with an overview of phylogeographic structure. <i>Molecular</i>
Hu, D.-S., L. Joseph & D. Agro	2000	Distribution, variation, and taxonomy of <i>Topaza</i> hummingbirds (Aves:
Imamura, H.	2011	<i>Onigocia sibogae</i> , a replacement name for a distinct species of flathead fish, <i>Platycephalus grandisquamis</i> Weber, 1913 (Teleostei: Platycephalidae).
Imamura, H., M. Aizawa & G. Shinohara	2010	<i>Cocotropus izuensis</i> , a new species of velvetfish (Teleostei: Aploactinidae) from Japan. <i>Bulletin National Museum Natural Science, Series A, Supplement 4: 1–7.</i>
Ishimori, H.O., K. Hidaka, T. Yamamuro & T. Yoshino	2015	<i>Spratelloides atrofasciatus</i> Schultz, 1943, a valid species of round herring (Clupeiformes: Clupeidae). <i>Zootaxa</i> 4028 (4): 527–538
Ivankova, Z.G.	2007	The first capture of roughscale sole <i>Clidoderma asperrimum</i> in the Northwestern part of the Sea of Japan. <i>Journal of Ichthyology</i> 2007, vol.
Ivanov, M.	2002	The oldest known Miocene snake fauna from Central Europe: Merkur-North locality, Czech Republic. <i>Acta Palaeontologica Polonica</i> 47(3): 513–534.

Iwan, D., J. Ferrer & M. Ras	2010	Catalogue of the world <i>Gonocephalum</i> Solier, 1834 (Coleoptera, Tenebrionidae, Opatrini). Part 1. List of the species and subspecies. <i>Annales Zoologici</i>
Jäger, P., & C.-M. Yin	2001	Sparassidae in China. 1. Revised list of known species with new transfers, new synonymies and type designations (Arachnida: Araneae). <i>Acta Arachnologica</i>
Jang-Liaw, N.-H., Y.-H. Gong & I-Shiung Chen	2012	A new marine gobiid species of the genus <i>Clariger</i> Jordan & Snyder (Gobiidae, Teleostei) from Taiwan. <i>ZooKeys</i> 199:13–21.
Jaramillo-Villa, U., J.A. Maldonado-Ocampo & J.D. Bogotá-Gregory	2008	Peces del Oriente de Antioquia, Colombia. <i>Biota Colombiana</i> 9(2):279-293.
Jiménez-Prado, P., W. Aguirre, E. Laaz-Moncayo, R. Navarrete-Amaya, F. Nugra-Salazar, E. Rebolledo-Monsalve, E. Zárate-Hugo, A. Torres-Noboa & J. Valdiviezo-Rivera	2015	Guía de peces para aguas continentales en la vertiente occidental del Ecuador. Pontificia Universidad Católica del Ecuador Sede Esmeraldas (PUCESE); Universidad del Azuay (UDA) y Museo Ecuatoriano de Ciencias Naturales (MECN) del Instituto Nacional de Biodiversidad. Esmeraldas, Ecuador. 416 pp.
Joger	1993	On two collections of reptiles and amphibians from the Cape Verde Islands, with descriptions of three new taxa. <i>Courier Forschungsinstitut Senckenberg</i> 159:
Kaga, T., & H.-C. Ho	2012	Redescription of <i>Sillago (Parasillago) indica</i> McKay, Dutt & Sujatha, 1985 (Perciformes: Sillaginidae), with a reassignment to the subgenus <i>Sillago</i> .
Kai, Y.	2015	Fish Collection and Ichthyology at Kyoto University. <i>Kyoto University Research</i>
Kammerer, C.F., L. Grande & M.W. Westneat	2005	Comparative and developmental functional morphology of the jaws of living and fossil gars (Actinopterygii: Lepisosteidae). <i>Journal of Morphology</i> 267(9):1017-
Katwate, U., C. Katwate, R. Raghavan, M.S. Paingankar & N. Dahanukar	2014	<i>Pethia lutea</i> , a new species of barb (Teleostei: Cyprinidae) and new records of <i>P. punctata</i> from northern Western Ghats of India. <i>Journal of Threatened Taxa</i>
Kawai, T.	2011	<i>Peristedium indicum</i> Brauer 1906, a junior synonym of <i>Paraheminodus murrayi</i> (Günther 1880) (Teleostei: Peristediidae). <i>Ichthyological Research</i> 58(1): 67–71.
Kawase, S., & K. Hosoya	2010	<i>Biwia yodoensis</i> , a new species from the Lake Biwa/Yodo River Basin, Japan (Teleostei: Cyprinidae). <i>Ichthyological Exploration of Freshwaters</i>
Kharin, V.E.	2005	On new findings of a rare sea snake <i>Leioselasma czeblukovi</i> Kharin, 1984, with remarks on species composition and taxonomical position of the Genus <i>Leioselasma</i> Lacépède, 1804, (Serpentes: Hydrophiidae). <i>Russian Journal of</i>
Knight, J.D.M., A. Rai & R.K.P. d'Souza	2013	On the identities of <i>Barbus mussullah</i> Sykes and <i>Cyprinus curmuca</i> Hamilton with notes on the status of <i>Gobio canarensis</i> Jerdon (Teleostei: Cyprinidae).
Knizhin, I.B., & S.J. Weiss	2009	A new species of grayling <i>Thymallus svetovidovi</i> sp. nova (Thymallidae) from the Yenisei Basin and its position in the genus <i>Thymallus</i> . <i>Journal of</i>
Köhler, G., M. Ponce, J. Sunyer & A. Batista	2007	Four new species of anoles (Genus <i>Anolis</i>) from the Serranía de Tabasará, West-central Panama (Squamata: Polychrotidae). <i>Herpetologica</i> 63(3):375-391
Köhler, J.	2009	The identity of <i>Hylambates rufus aubryioides</i> Andersson, 1907 (Anura:
Köhler, J. & R. Güsten	2007	Herpetological type specimens in the natural history collections of the museums in Darmstadt and Wiesbaden, Germany. <i>Spixiana</i> 30/2:275-288

Konstantinidis, P., Z. Jaafar, P. Warth, M. Stoll & U. Hossfeld	2016	Rediscovery of oxudercine type specimens (Teleostei: Gobiidae) assumed destroyed during World War II. <i>Ichthyological Research</i> . DOI 10.1007/s10228-
Kotlyar, A.N.	2009	Revision of the genus <i>Poromitra</i> (Melamphaidae). Part 4. Species of <i>P. cristiceps</i> Group: <i>P. atlantica</i> , <i>P. oscitans</i> , and <i>P. agofonovae</i> Kotlyar, species
Kottelat, M.	1990	Synopsis of the endangered buntingi (Osteichthyes: Adrianichthyidae and Oryziidae) of Lake Poso, Central Sulawesi, Indonesia, with a new reproductive
Kottelat, M.	1998	Fishes of the Nam Theun and Xe Bangfai basins, Laos, with diagnoses of twenty-two new species (Teleostei: Cyprinidae, Balitoridae, Cobitidae, Coiidae and
Kottelat, M.	2012	Conspectus Cobitidum: an inventory of the loaches of the world (Teleostei: Cypriniformes: Cobitoidei). <i>The Raffles Bulletin of Zoology 2012 Supplement</i>
Kottelat, M.	2013	The fishes of the inland waters of Southeast Asia: a catalogue and core bibliography of the fishes known to occur in freshwaters, mangroves and
Kovačić, M., & S. Engín	2008	Two new species of <i>Neogobius</i> (Gobiidae) from northeastern Turkey. <i>Cybium</i>
Kovačić, M., & S.V. Bogorodsky	2013	Two new species of <i>Cabillus</i> (Perciformes: Gobiidae) and the first record of <i>Cabillus macrophthalmus</i> from the Western Indian Ocean. <i>Zootaxa</i>
Kroh, A.	2010	Index of living and fossil echinoids 1971-2008. <i>Ann. Naturhist. Mus. Wien, Serie</i>
Kuch, U., D. Kizirian, N. Quang Truong, R. Lawson, M.A. Donnelly & D. Mebs	2005	A New Species of Krait (Squamata: Elapidae) from the Red River System of Northern Vietnam. <i>Copeia</i> 2005(4):818-833.
Küçük, F.	2007	<i>Pseudophoxinus alii</i> (Teleostei: Cyprinidae), a new fish species from the Antalya Region, Turkey. <i>Turkish Journal of Zoology</i> v. 31: 1-8.
Kullander, S.O., & C.A.S. de Lucena	2013	<i>Crenicichla gillmorlisi</i> , a new species of cichlid fish (Teleostei: Cichlidae) from the Paraná river drainage in Paraguay. <i>Zootaxa</i> 3641(2):149-164.
Kullander, S.O., MD. M. Rahman, M. Norén & A.R. Mollah	2015	<i>Danio annulosus</i> , a new species of chain <i>Danio</i> from the Shuvolong Falls in Bangladesh (Teleostei: Cyprinidae: Danioninae). <i>Zootaxa</i> 3994(1): 53-68.
Kuo, C.-H. & H.-K. Mok	1994	<i>Eptatretus chinensis</i> : a new species of hagfish (Myxinidae; Myxiniformes) from the South China Sea. <i>Zoological Studies</i> 33(4):246-250.
Kuramoto, M., & C.-S. Wang	1987	A new rhacophorid treefrog from Taiwan, with comparisons to <i>Chirixalus eiffingeri</i> (Anura, Rhacophoridae). <i>Copeia</i> (1987)4:931-942.
Kvaček, Z., M. Böhme, Z. Dvořák, M. Konzalová, K. Mach, J. Prokop & M. Rajchl	2004	Early Miocene freshwater and swamp ecosystems of the Most Basin (northern Bohemia) with particular reference to the Bílina Mine section <i>Journal of the</i>
La Marca, E.	2008	A frog survivor (amphibia: anura: aromobatidae: Mannophryne) of the traditional coffee belt in the Venezuelan andes/Una rana (amphibia: anura: aromobatidae: Mannophryne) sobreviviente del cinturón tradicional del café en
Lambert, O., G. Bianucci & M. Urbina	2014	<i>Huaridelphis raimondii</i> , a new early Miocene Squalodelphinidae (Cetacea, Odontoceti) from the Chilcatay Formation, Peru. <i>Journal of Vertebrate</i>
Larson, H.K., R.S. Williams & M.P. Hammer	2013	An annotated checklist of the fishes of the Northern Territory, Australia.

Lasso-Alcalá, O., J.L.S. Nunes, C. Lasso, J. Posada, R. Robertson, N.M. Piorski, J. Van Tassell, T. Giarrizzo & G. Gondolo	2011	Invasion of the Indo-Pacific blenny <i>Omobranchus punctatus</i> (Perciformes: Blenniidae) on the Atlantic Coast of Central and South America. <i>Neotropical Ichthyology</i> 9(3): 571-578.
Last, P.R., & A.P.K. Lim	2010	A new species of skate <i>Okamejei jensenae</i> sp. nov. (Rajoidei: Rajidae) from the seas off Borneo, with a redescription of the Kwangtung skate, <i>Dipturus kwangtungensis</i> (Chu), p. 101-114. In: P.R. Last, W.T. White, J.J. Pogonoski
Last, P.R., B. Séret & G.J.P. Naylor	2016	A new species of guitarfish, <i>Rhinobatos borneensis</i> sp. nov. with a redefinition of the family-level classification in the order Rhinopristiformes (Chondrichthyes:
Last, P.R., J.J. Pogonoski, D.C. Gledhill, W.T. White & C.J. Walker	2014	The deepwater demersal ichthyofauna of the western Coral Sea. <i>Zootaxa</i> 3887(2): 191-224
Last, P.R., S. Corrigan & G. Naylor	2014	<i>Rhinobatos whitei</i> , a new shovelnose ray (Batoidea: Rhinobatidae) from the
Lavenberg, R.J., & A.L.A. Yañez	1972	A new species of <i>Cirrhitus</i> from Easter Island (Pisces, Cirrhitidae). <i>Gayana</i> ,
Lavilla, E.O., J.A. Langone, J.M. Padial & R.O. de Sá	2010	The identity of the crackling, luminescent frog of Suriname (<i>Rana typhonia</i> Linnaeus, 1758) (Amphibia, Anura). <i>Zootaxa</i> 2671: 17-30.
Lehmann A., P., B. Koech Braun, E.H.L. Pereira & R.E. Reis	2013	A new species of the Hypoptopomatinae catfish <i>Parotocinclus</i> (Siluriformes: Loricariidae), from the headwaters of the rio Jequitinhonha, Brazil. <i>Copeia</i>
Lehtinen, R.M., F. Glaw, F. Andreone, M. Pabijan & M. Vences	2012	A new species of putatively pond breeding frog of the genus <i>Guibemantis</i> from southeastern Madagascar. <i>Copeia</i> 2012(4):648-662.
Lezama, A.Q., M.L. Triques & P.S. Santos	2012	<i>Trichomycterus argos</i> (Teleostei: Siluriformes: Trichomycteridae), a new species from the Doce River Basin, Eastern Brazil. <i>Zootaxa</i> 3352:60-68.
Li, J., X. Li & R.L. Mayden	2014	<i>Sinocyclocheilus brevifinus</i> (Teleostei: Cyprinidae), a new species of cavefish
Liao, T.-Y., & H.H. Tan	2014	<i>Brevibora exilis</i> , a new rasborin fish from Borneo (Teleostei: Cyprinidae). <i>Ichthyological Exploration of Freshwaters</i> 24(3):209-215.
Liao, Y.-C., & K.-T. Shao	2008	Redescription of hachetfish, <i>Thorophos nexilis</i> , (Myers, 1932) (Pisces: Stormiiformes: Sternoptychidae: Maurolicinae) from Philippines with a key to
Lobo, F., R.E. Espinoza, E.A. Sanabria & L.B. Quiroga	2012	A new <i>Phymaturus</i> (Iguania: Liolaemidae) from the southern extreme of the Argentine Puna. <i>Copeia</i> 2012(1):12-22.
Loeb, M.V., & J.L. Figueiredo	2015	Redescription of the freshwater anchovy <i>Anchoviella vaillanti</i> (Steindachner, 1908) (Clupeiformes: Engraulidae) with notes on the distribution of estuarine
Loh, K.-H., K.-T. Shao & H.-M. Chen	2011	<i>Gymnothorax melanosomatus</i> , a new moray eel (Teleostei: Anguilliformes: Muraenidae) from southeastern Taiwan. <i>Zootaxa</i> 3134:43-52.
Lombardo, C.	2013	A new basal actinopterygian fish from the Late Ladinian of Monte San Giorgio (Canton Ticino, Switzerland). <i>Swiss Journal of Geosciences</i> 106(2): 219-230.
Londoño-Burbano, A., C. Román-Valencia & D.C. Taphorn	2011	Taxonomic review of Colombian <i>Parodon</i> (Characiformes: Parodontidae), with descriptions of three new species. <i>Neotropical Ichthyology</i> 9(4):709-730.
López-Arbarello, A., T. Bürgin, H. Furrer & R. Stockar	2016	New holostean fishes (Actinopterygii: Neopterygii) from the Middle Triassic of the Monte San Giorgio (Canton Ticino, Switzerland). <i>PeerJ</i> , DOI

Lundberg, J.G. & O. Aguilera	2003	The late Miocene <i>Phractocephalus</i> catfish (Siluriformes: Pimelodidae) from Urumaco, Venezuela: additional specimens and reinterpretation as a distinct
Lundberg, J.G., K.R. Luckenbill, K.K.S. Babu & H.H. Ng	2014	A tomographic osteology of the taxonomically puzzling catfish <i>Kryptoglanis shajii</i> (Siluriformes, Siluroidei, incertae sedis): description and a first
Lundberg, J.G., M.H. Sabaj Pérez, W.M. Dahdul & O.A. Aguilera S.	2009	The Amazonian Neogene fish fauna. p. 281–301 In: Hoorn, C., and F.P. Wesselingh, eds. Amazonia—landscape and species evolution: a look into the
Lyons, J. & N. Mercado-Silva	2004	<i>Notropis calabazas</i> (Teleostei; Cyprinidae): new species from the Río Pánuco basin of central Mexico. <i>Copeia</i> 2004 (no. 4): 868-875.
Malabarba, M.C., & J.G. Lundberg	2007	A fossil loricariid catfish (Siluriformes: Loricarioidea) from the Taubaté Basin, eastern Brazil. <i>Neotropical Ichthyology</i> 5(3): 263–270.
Maneyro, R., D.E. Naya & D. Baldo	2008	A new species of <i>Melanophryniscus</i> (Anura, Bufonidae) from Uruguay.
Manica, A., N. Pilcher & S. Oakley	2002	A new <i>Chrysiptera</i> species (Teleostei: Pomacentridae) from the Spratley
Manimekalan, A., & H.S. Das	1998	<i>Glyptothorax davissinghi</i> (Pisces: Sisoridae) a new cat fish from Nilambur in the Nilgiri Biosphere Reserve, South India. <i>Journal of the Bombay Natural History</i>
Marceniuk, A.P., R. Betancur-R., A. Acero P. & J. Muriel-Cunha	2012	Review of the genus <i>Cathorops</i> (Siluriformes: Ariidae) from the Caribbean and Atlantic South America, with description of a new species. <i>Copeia</i> 2012(1):77-
Martins, F.O., B.N. Andrade, A.C. Rosa & F. Langeani	2014	<i>Chauliocheilos saxatilis</i> , a new genus and species of Hypoptopomatinae from rio Jequitinhonha basin, with a unique labial appendix (Teleostei: Loricariidae).
Martins, F.O., M.M.F. Marinho, F. Langeani & J.P. Serra	2012	A new species of <i>Hypostomus</i> (Siluriformes: Loricariidae) from the Upper Rio Paraguay Basin, Brazil. <i>Copeia</i> 2012(3):494–500.
Matsui, M.	2013	A new <i>Leptobrachium</i> (Vibrissaphora) from Laos (Anura: Megophryidae).
Matsui, M., J. Nabhitabhata & S. Panha	1999	On <i>Leptobrachium</i> from Thailand with a description of a new species (Anura: Pelobatidae). <i>Japanese Journal of Herpetology</i> 18(1):19–29.
Matsunuma, M., S. Tafzilmeriam S.A.K., Y. Yusuf & H. Motomura	2012	First Records of Two Labrid Fishes, <i>Iniistius trivittatus</i> and <i>Leptojulius lambdastigma</i> (Teleostei: Perciformes), from Thailand and Malaysia. <i>Mem. Fac.</i>
Maul, G.E.	1969	A new subspecies of <i>Lampadena urophaos</i> Paxton 1963 from the Atlantic Ocean. <i>Bocagiana. Museu Municipal do Funchal (História Natural)</i> 22: 1–8.
Mayer, G.F. & E. Tortonese	1977	<i>Epigonus trewavasae</i> Poll, a junior synonym of <i>Epigonus constanciae</i> (Giglioli) (Perciformes, Apogonidae). <i>Breviora</i> No. 443: 1-13.
McCartney, J.A., & E.R. Seiffert	2016	A Late Eocene snake fauna from the Fayum Depression, Egypt. <i>Journal of</i>
McLeod, D.S.	2010	Of Least Concern? Systematics of a cryptic species complex: <i>Limnonectes kuhlii</i> (Amphibia: Anura: Dicroglossidae). <i>Molecular Phylogenetics and</i>
McMahan, C.D., W.A. Matamoros, E. Barraza, J. Kutz & P. Chakrabarty	2014	Taxonomic status of the Lago oatepeque endemic convict cichlid <i>Amatitlania coatepeque</i> (Teleostei: Cichlidae). <i>Copeia</i> 2014(4): 633-638.
Meik, J.M., L. Canseco-Márquez, E.N. Smith & J.A. Campbell	2005	A new species of <i>Hyla</i> (Anura: Hylidae) from Cerro Las Flores, Oaxaca, Mexico. <i>Zootaxa</i> 1046: 17–27.
Menegon, M., T.R.B. Davenport & K.M. Howell	2011	Description of a new and critically endangered species of <i>Atheris</i> (Serpentes: Viperidae) from the Southern Highlands of Tanzania, with an overview of the

Miquelarena, A.M., & D.O. Nadalin	2014	Catálogo de ejemplares tipo de la colección ictiológica del Museo de la Plata.
Miyazaki, Y., A. Terui, H. Senou & I. Washitani	2013	Illustrated checklist of fishes from the Shubuto River System, southwestern Hokkaido, Japan. Check List 9(1): 63–72.
Mlíkovský J., P. Benda, J. Moravec & R. Šanda	2011	Type specimens of recent vertebrates in the collections of the National Museum, Prague, Czech Republic. Journal of the National Museum (Prague), Natural
Mohabey, D.M., J.J. Head & J.A. Wilson	2011	A new species of the snake <i>Madtsoia</i> from the Upper Cretaceous of India and its paleobiogeographic implications. Journal of Vertebrate Vertebrate
Mok, H.-K., & C.-H. Kuo	2001	<i>Myxine formosana</i> , a new species of hagfish (Myxiniformes: Myxinidae) from the southwestern waters of Taiwan. Ichthyological Research 48:295–297.
Mok, H.-K., L.M. Saaverdra-Diaz & A. Acero P.	2001	Two New Species of <i>Eptatretus</i> and <i>Quadratus</i> (Myxinidae, Myxiniformes) from the Caribbean Coast of Colombia. Copeia 2001(4):1026–1033
Møller, P.R.	2001	Redescription of the <i>Lycodes pallidus</i> species complex (Pisces, Zoarcidae), with a new species from the Arctic/North Atlantic Ocean. Copeia 2001(4):972–996.
Møller, P.R., T.K. Feld, I.H. Poulsen, P.F. Thomsen & J.G. Thormar	2005	<i>Myxine jespersenae</i> , a new species of hagfish (Myxiniformes: Myxinidae) from the North Atlantic Ocean. Copeia 2005(2):374–385.
Montanucci, R.R.	2015	A taxonomic revision of the <i>Phrynosoma douglasii</i> species complex (Squamata:
Montero, R., I. Fernández Sáfadez & L. Gonzales Álvarez	1997	A new species of <i>Amphisbaena</i> from Bolivia. Journal of Herpetology 31(2): 218–220.
Morcos, S.	2002	The educational mission of marine sciences: a case study of East Africa, the early initiatives, 1930–80, p. 215–223 In: K.R. Benson & P.F. Rehbock (eds).
Motomura, H., Y. Iwatsuki & S. Kimura	2001	Redescription of <i>Polydactylus sexfilis</i> (Valenciennes in Cuvier and Valenciennes, 1831), a senior synonym of <i>P. kuru</i> (Bleeker, 1853) with designation of a
Moyer, J.K., & W.E. Bemis	2016	Tooth microstructure and replacement in the gulper shark, <i>Centrophorus granulosus</i> (Squaliformes: Centrophoridae). Copeia 104(2): 529–538.
Muñoz-Saravia, A., L.R. Rivas-Torrico, L. Gonzales & J. Quispe	2009	Reptilia, Serpentes, Elapidae, <i>Micrurus serranus</i> : distribution extension. Check List 5(3): 510–512.
Muto, N., K. Nakayama & T. Nakabo	2013	Distinct genetic isolation between “Kunimasu” (<i>Oncorhynchus kawamurae</i>) and “Himemasu” (<i>O. nerka</i>) in Lake Saiko, Yamanashi Prefecture, Japan, inferred
Naruse, T., A.Y.C. Chung & J. Tangah	2015	Description of a new genus and a new species of the family Camptandriidae Stimpson, 1858 (Crustacea: Decapoda: Brachyura) from Lower Kinabatangan-
Naseka, A.M.	1996	Comparative study on vertebral column in the Gobioninae (Cyprinidae, Pisces) with special reference to its systematics. Publicaciones Especiales Instituto
Nebeshwar, K., & W. Vishwanath.	2013	Three new species of <i>Garra</i> (Pisces: Cyprinidae) from north-eastern India and redescription of <i>G. gotyla</i> . Ichthyological Exploration of Freshwaters 24(2):97-
Nesbitt, S.J., C.A. Sidor, R.B. Irmis, K.D. Angielczyk, R.M.H. Smith & L.A. Tsuji	2010	Ecologically distinct dinosaurian sister group shows early diversification of Ornithodira. Nature 464: 95–98. doi:10.1038/nature08718
Netto-Ferreira, A.L., O.T. Oyakawa, J. Zuanon & J.C. Nolasco	2011	<i>Lebiasina yepezi</i> , a new Lebiasininae (Characiformes: Lebiasinidae) from the Serra Parima-Tapirapecó mountains. Neotropical Ichthyology 9(4):767–775.

Neumann, D.	2011	Type Catalogue of the Ichthyological Collection of the Zoologische Staatssammlung München. Part II: Fish types inventoried after 25 April 1944.
Newby, J., T. Darden & A.M. Shedlock	2014	Population genetic structure of spotted eagle rays, <i>Aetobatus narinari</i> , off Sarasota, Florida and the southeastern United States. <i>Copeia</i> 2014(3):
Ng, H.H., & K.K.P. Kim	2008	Catalogue of the siluriform (Teleostei: Ostariophysi) types in the Raffles Museum of Biodiversity Research, National University of Singapore. Raffles
Ng, H.H., & Lalramliana	2012	<i>Glyptothorax maceriatius</i> , a new species of sisorid catfish, (Actinopterygii:
Ng, H.H., K.M. Martin-Smith & P.K.L. Ng	2000	<i>Hemibagrus furcatus</i> , a new species of bagrid catfish (Teleostei: Siluriformes) from Sabah, east Malaysia. <i>Raffles Bull. Zool.</i> 48(1):65-69.
Ng, H.H., Lalramliana, S. Lalronunga & Lalnuntluanga	2013	<i>Pseudolaguvia nubila</i> , a new sisorid catfish (Teleostei: Sisoridae) from northeastern India. <i>Zootaxa</i> 3647(4):518-526.
Nguyen, S.N., T.-N.T. Le, T.A.D. Tran, N.L. Orlov, A. Lathrop, R.D. Macculloch, T.-D.T. Le, J.-Q. Jin, L.T. Nguyen, T.T. Nguyen, D.D. Hoang, J. Che, R.W. Murphy & Y.-P. Zhang	2013	Phylogeny of the <i>Cyrtodactylus irregularis</i> species complex (Squamata: Gekkonidae) from Vietnam with the description of two new species. <i>Zootaxa</i> 3737(4):399-414.
Nguyen, T.Q., P. Kingsada, H. Rösler, M. Auer & T. Ziegler	2010	A new species of <i>Cyrtodactylus</i> (Squamata: Gekkonidae) from northern Laos. <i>Zootaxa</i> 2652:1-16
Nguyen, T.Q., T.M. Phung, M.D. Le, T. Ziegler & W. Böhme	2013	First record of the genus <i>Oreolalax</i> (Anura: Megophryidae) from Vietnam with description of a new species. <i>Copeia</i> 2013(2):213-222.
Nguyen, V.S., T.C. Ho & Q.T. Nguyen	2009	Herpetofauna of Vietnam. Edition Chimaira, Frankfurt am Main. 768 p.
Nielsen, D.T.B.	2013	<i>Spectrolebias brousseaui</i> (Cyprinodontiformes: Rivulidae: Cynolebiatinae), a new annual fish from the upper río Mamoré basin, Bolivia. <i>Neotropical</i>
Nieto-Montes de Oca, A.	2003	A new species of the <i>Geophis dubius</i> group (Squamata: Colubridae) from the Sierra de Juárez of Oaxaca, Mexico. <i>Herpetologica</i> 59(4):572-585.
Noonan, B.P., & R.M. Bonett	2003	A new species of <i>Hyalinobatrachium</i> (Anura: Centrolenidae) from the highlands of Guyana. <i>Journal of Herpetology</i> Vol. 37(1):91-97.
Notton, D.G.	2004	A catalogue of types of Diapriinae (Hymenoptera, Diapriidae) at the National Museum of Natural History, Paris, with notes on the classification of Diapriinae
Nunes, I., A. Kwet & J.P. Pombal, Jr.	2012	Taxonomic revision of the <i>Scinax alter</i> species complex (Anura: Hylidae).
Nunes, J.L.S., & N.M. Piorski	2009	A dorsal fold in <i>Gymnura micrura</i> (Bloch and Schneider [sic], 1801) (Chondrichthys: Gymnuridae). <i>Brazilian Archives of Biology and Technology</i> vo.
O'Leary, M.A., R. Sarr, R. Malou, E.H. Sow, C. Lepre & R.V. Hill	2012	A new fossil amiid from the Eocene of Senegal and the persistence of extinct marine amiids after the Cretaceous-Paleogene boundary. <i>Copeia</i>
Ortega-Lara, A., N. Milani, C. DoNascimento, F. Villa-Navarro & J.A. Maldonado-Ocampo	2011	Two new trans-Andean species of <i>Imparfinis</i> Eigenmann & Norris, 1900 (Siluriformes: Heptapteridae) from Colombia. <i>Neotropical Ichthyology</i> 9(4):777-793.

Ota, R.P., F.C.T. Lima & C.S. Pavanelli	2015	A new species of <i>Hemigrammus</i> Gill, 1858 (Characiformes: Characidae) from the central and western Amazon and rio Paraná-Paraguai basins. <i>Zootaxa</i>
Özuluğ, O., N. Dökümcü & N. Kaya	2013	İstanbul Üniversitesi zooloji müzesi'nin ülkemiz zooloji tarihindeki önemi [The importance of zoology museum of Istanbul University in Turkish Zoological
Pálfy, J.	2009	Review of invertebrate and vertebrate paleontological types in the collection of the Hungarian Natural History Museum. <i>Annales Historico-Naturales Musei</i>
Pérez-Rodríguez, R., G. Pérez-Ponce de León, O. Domínguez-Domínguez & I. Doadrio	2009	A new species of <i>Algansea</i> (Actinopterygii: Cyprinidae) from the Ameca River basin, in central Mexico. <i>Revista mexicana de biodiversidad</i> 80(2): online.
Pérez, A., & A. Vilorio	1994	<i>Ancistrus galani</i> n. sp. (Siluriformes: Loricariidae), with comments on biospeleological explorations in western Venezuela. <i>Mémoires de Biospéologie</i> v.
Pethiyagoda, R., M. Meegaskumbura, & K. Maduwage	2012	A synopsis of the South Asian fishes referred to <i>Puntius</i> (Pisces: Cyprinidae). <i>Ichthyological Exploration of Freshwaters</i> 23(1):69–95.
Pinto, F.N.M.	2010	Coleção de Paleontologia do Museu de Ciências da Terra/DNPM-RJ: Patrimônio da Paleontologia Brasileira. <i>Museologia e Patrimônio</i> 3(1): 92.
Pinto, R.R., & R. Fernandes	2012	A new blind snake of the Genus <i>Tricheilostoma</i> from Espinhaço Range, Brazil and taxonomic status of <i>Rena dimidiata</i> (Jan, 1861) (Serpentes: Epictinae:
Pinto, S.Y.	1972	Um novo Clupeidae da Bacia do Parnaíba, Piauí, Brasil (Actinopterygii, Clupeiformes). <i>Boletim do Museu de Historia Natural U.F.M.G. (Universidade</i>
Pisani, G.R.	1972	Remarks on the holotype of <i>Virginia valeriae elegans</i> (Kennicott). <i>Herpetologica</i>
Plamoottil, M.	2014	<i>Puntius nelsoni</i> , <i>Systemus chryseus</i> and <i>S. rufus</i> (Cypriniformes: Cyprinidae), three new fish species from Kerala, India. <i>International Journal of Fauna and</i>
Poe, S., I. Latella, F. Ayala-Varela, C. Yañez-Miranda & O. Torres-Carvajal	2015	A new species of phenacosaur <i>Anolis</i> (Squamata; Iguanidae) from Peru and a comprehensive phylogeny of <i>Dactyloa</i> -clade <i>Anolis</i> based on new DNA
Polanco Fernandez & Fernholm	2014	A new species of hagfish (Myxinidae: <i>Eptatretus</i>) from the Colombian
Polgar, G., Z. Jaafar & P. Konstantinidis	2013	A new species of mudskipper, <i>Boleophthalmus poti</i> (Teleostei: Gobiidae: Oxudercinae) from the Gulf of Papua, Papua New Guinea, and a key to the
Poropat, S.F., & B.P. Kear	2013	Photographic atlas and three-dimensional reconstruction of the holotype skull of <i>Euhelopus zdanskyi</i> with description of additional cranial elements. <i>PLoS ONE</i>
Portell, R.W., G. Hubbell, S.K. Donovan, J.L. Green, D.A.T. Harper & R. Pickerill	2008	Miocene sharks in the Kendeace and Grand Bay formations of Carriacou, The Grenadines, Lesser Antilles. <i>Caribbean Journal of Science</i> 44(3):279-286.
Poss, S.G., & B.B. Collette	1995	Second survey of fish collections in the United States and Canada. <i>Copeia</i>
Pramod, P.K., Fang Fang, K. Rema Devi, Te-Yu Liao, T.J. Indra, K.S. Jameela Beevi & S.O. Kullander	2010	<i>Betadevario ramachandrani</i> , a new danionine genus and species from the Western Ghats of India (Teleostei: Cyprinidae: Danioninae). <i>Zootaxa</i> 2519:31-47.
Provete, D.B., M.V. Garey, L.F. Toledo, J. Nascimento, L.B. Lourenço, D. de C. Rossa-Feres & C.F.B. Haddad	2012	Redescription of <i>Physalaemus barrioi</i> (Anura: Leiuperidae). <i>Copeia</i> 2012(3):507–518.

Pyron, R.A., F.W. Hsieh, A.R. Lemmon, E.M. Lemmon & C.R. Hendry	2016	Integrating phylogenomic and morphological data to assess candidate species-delimitation models in brown and red-bellied snakes (<i>Storeria</i>). <i>Zoological</i>
Radhakrishnan, C., K.C. Gopi & Muhamed Jafer Palot	2007	Extension of range of distribution of <i>Nasikabatrachus sahyadrensis</i> Biju & Bossuyt (Amphibia: Anura: Nasikabatrachidae) along Western Ghats, with some
Raghavan, R., J. Tharian, A. Ali, S. Jadhav & N. Dahanukar	2013	<i>Balitora jalpalli</i> , a new species of stone loach (Teleostei: Cypriniformes: Balitoridae) from Silent Valley, southern Western Ghats, India. <i>Journal of</i>
Randall, J.E., & G.R. Allen	2010	Two new labrid fishes of the genus <i>Halichoeres</i> from the East Indies. <i>The Raffles</i>
Randall, J.E., & R. Meléndez C.	1987	A new sole of the genus <i>Aseraggodes</i> from Easter Island and Lord Howe Island, with comments on the validity of <i>A. ramsai</i> . <i>Occasional Papers of the Bernice</i>
Randall, J.E., & T. Yamakawa	2006	<i>Parapercis phenax</i> from Japan and <i>P. banoni</i> from the southeast Atlantic, new species of pinguipedid fishes previously identified as <i>P. roseoviridis</i> . <i>Zoological</i>
Randall, J.E., S.V. Bogorodsky, F. Krupp, J.M. Rose & R. Fricke	2013	<i>Epinephelus geoffroyi</i> (Klunzinger, 1870) (Pisces: Serranidae), a valid species of grouper endemic to the Red Sea and Gulf of Aden. <i>Zootaxa</i>
Rankin, P.R., & M.W. Gillam	1979	A new lizard in the genus <i>Ctenotus</i> (Lacertilia: Scincidae) from the Northern Territory with notes on its biology. <i>Records of the Australian Museum</i> 32(15):
Reid, S.B., D.A. Boguski, D.H. Goodman & M.F. Docker	2011	Validity of <i>Lampetra pacifica</i> (Petromyzontiformes: Petromyzontidae), a brook lamprey described from the lower Columbia River Basin. <i>Zootaxa</i> 3091: 42–50.
Rhodin, A.G.J., & J.L. Carr	2009	A quarter millenium of uses and misuses of the turtle name <i>Testudo scabra</i> : Identification of the type specimens of <i>T. scabra</i> Linnaeus 1758 (= <i>Rhinoclemmys punctularia</i>) and <i>T. scripta</i> Thunberg in Schoepff 1792 (=
Ribeiro, A.C., & P. Lehmann A.	2016	A new <i>Otocinclus</i> (Siluriformes: Loricariidae: Hypoptopomatinae) from the Rio Juruena Basin, central Brazil. <i>Zootaxa</i> 4147(3): 240-246.
Ribeiro, J.W., A.P. Lima & W.E. Magnusson	2012	The effect of riparian zones on species diversity of frogs in Amazonian forests.
Ringuelet, R.A., R.H. Arámburu, & A. Alonso de Arámburu	1967	Los peces argentines de agua dulce. Provincia de Buenos Aires, Comisión de Investigación Científica, La Plata, Buenos Aires. 602 p.
Roa-Fuentes, C.A., J.C. Alonso, A. Alfonso, & M. Sabaj Pérez	2010	Pisces, Siluriformes, Doradidae, <i>Astrodoras</i> Bleeker, 1862: First record in the Colombian Amazon. <i>Check List, Journal of Species Lists and Distribution</i>
Roberts T.R., & D. Catania	2008	Designation of lectotypes and neotypes, systematic status, and biological remarks on Red River Cyprinidae described by Nguyen and Doan, 1969. <i>Natural</i>
Roček, Z.	1996	The salamander <i>Brachycormus noachicus</i> from the Oligocene of Europe, and the role of neoteny in the evolution of salamanders. <i>Palaeontology</i> 39(2):
Rodiles-Hernández, R., D.A. Hendrickson, J.G. Lundberg & J. M. Humphries	2005	<i>Lacantunia enigmatica</i> (Teleostei: Siluriformes) a new and phylogenetically puzzling freshwater fish from Mesoamerica. <i>Zootaxa</i> No. 1000: 1-24.
Rodriguez, M.S., M.R. Cavallaro & M.R. Thomas	2012	A new diminutive species of <i>Loricaria</i> (Siluriformes: Loricariidae) from the Rio Paraguay System, Mato Grosso do Sul, Brazil. <i>Copeia</i> 2012(1):49–56.
Rösler, H. T.Q. Nguyen, K. Van Doan, C.T. Ho, T.T. Nguyen & T. Ziegler	2010	A new species of the genus <i>Gekko</i> Laurenti (Squamata: Sauria: Gekkonidae) from Vietnam with remarks on <i>G. japonicus</i> (Schlegel). <i>Zootaxa</i> 2329:56-68

Rösler, H., C.D. Siler, R.M. Brown, A.D. Demegillo & M. Gaulke	2006	<i>Gekko ernstkelleri</i> sp. n. – a new gekkonid lizard from Panay Island, Philippines. <i>Salamandra</i> 42(4):197-211.
Roxo, F.F., G.S.C. Silva, C. Oliveira & C.H. Zawadzki	2013	<i>Hisonotus bocaiuva</i> , a new species from the rio São Francisco basin, Brazil (Teleostei: Loricariidae). <i>Ichthyological Exploration of Freshwaters</i>
Ruiz-Campos, G., & J.L. Castro-Aguirre	2002	First specimens of the fangjaw eel <i>Echiophis brunneus</i> (Pisces: Ophichthidae) from the Gulf of California, Mexico. <i>Bulletin, Southern California Academy of</i>
Russell, B.C., & P.K. Chin	1996	<i>Parascolopsis melanophrys</i> , a new species dwarf monocle bream (Teleostei: Nemipteridae) from the Indo-Malayan Archipelago. <i>The Raffles Bulletin of</i>
Sabaj, M.H., K.S. Cummings & L.M. Page	1997	Annotated catalog of type specimens in the Illinois Natural History Survey fish collection. <i>Illinois Natural History Survey Bulletin</i> v. 35 (art. 5): 249-300.
Sadlier, R.A.	1984	A new Australian scincid lizard, <i>Menetia concinna</i> , from the Alligator Rivers Region, Northern Territory. <i>Records of the Australian Museum</i> 36(2):45-49.
Salcedo, N.J., D. Rodriguez, R.E. Strauss & R.J. Baker	2011	The Fitzcarrald Arch: a vicariant event for Chaetostoma (Siluriformes: Loricariidae) speciation? <i>Copeia</i> 2011(4):503-512.
Salinas, J.A. & A.H. Ariño	2000	The collections of the natural sciences museum of the University of Navarra. I. Vertebrates. <i>Publicaciones de Biología de la Universidad de Navarra, Serie</i>
Salvidio, S., M. Menegon, R. Sindaco & D. Moyer	2004	A new species of elongate seps from Udzungwa grasslands, southern Tanzania (Reptilia, Gerrhosauridae, <i>Tetradactylus</i> Merrem, 1820). <i>Amphibia-Reptilia</i>
Sampson, S.D., M.A. Loewen, A.A. Farke, E.M. Roberts, C.A. Forster, J.A. Smith & A.L. Titus	2010	New Horned dinosaurs from Utah provide evidence for intracontinental dinosaur endemism. <i>PLoS ONE</i> 5(9): e12292. doi:10.1371/journal.pone.0012292
Sanamxay, D., B. Douangboubpha, S. Bumrungsri, S. Xayavong, V. Xayaphet, C. Satasook & P.J.J. Bates	2013	Rediscovery of <i>Biswamoyopterus</i> (Mammalia: Rodentia: Sciuridae: Pteromyini) in Asia, with the description of a new species from Lao PDR. <i>Zootaxa</i> 3686(4): 471-481.
Santa-Cruz, R., J. Amanda Delgado C., C.Y. Salas & R. von May	2016	New distributional records of the Amazon River frog <i>Lithobates palmipes</i> (Spix, 1824) in Peru. <i>Amphibian & Reptile Conservation</i>
Santos, C.M.H., & O.B.F. Gadig	2014	Abnormal embryos of sharpnose sharks, <i>Rhizoprionodon porosus</i> and <i>Rhizoprionodon lalandii</i> (Elasmobranchii: Carcharhinidae), from Brazilian coast,
Sato, T., T. Konishi, R. Hirayama & M.W. Caldwell	2012	A review of the Upper Cretaceous marine reptiles from Japan. <i>Cretaceous Research</i> 37: 319-340.
Savage, J.M., C.A. Ugarte & M.A. Donnelly	2013	A new species of earless toad (Bufonidae: <i>Incilius</i>) from western Panama.
Schleip, W.D., & M. O'Shea	2010	Annotated checklist of the recent and extinct (Serpentes, Pythonidae), with notes on nomenclature, taxonomy, and distribution. <i>ZooKeys</i> 66:29-79
Schmidt, K.P., & W.F. Walker, Jr.	1943	Peruvian snakes from the University of Arequipa. <i>Zoological Series of Field</i>
Schmidt, R.C., H.L. Bart, Jr. & W.D. Nyingi	2015	Two new species of African suckermouth catfishes, genus <i>Chiloglanis</i> (Siluriformes: Mochokidae), from Kenya with remarks on other taxa from the
Schneider, S., B. Niebuhr, M. Wilmsen & R. Vodrázka	2011	Between the Alb and the Alps – The fauna of the Upper Cretaceous Sandbach Formation (Passau region, southeast Germany). <i>Bulletin of Geosciences</i>

Schultze, H.-P., & G. Arratia	2013	The caudal skeleton of basal teleosts, its conventions, and some of its major evolutionary novelties in a temporal dimension. p. 187–246 in <i>Mesozoic Fishes 5–Global Diversity and Evolution</i> , G. Arratia, H.-P. Schultze & M.V.H. Wilson
Seah, Y.G., N. Hanafi, A.G. Mazlan & N.L. Chao	2015	A new species of <i>Larimichthys</i> from Terengganu, east coast of Peninsular Malaysia (Perciformes: Sciaenidae). <i>Zootaxa</i> 3956(2): 271–280.
Serra-Cobo, J.	1993	Descripción de una nueva especie europea de <i>Rana parda</i> (Amphibia, Anura,
Shakhovskoy, I.B., & N.V. Parin	2013	A review of flying fishes of the subgenus <i>Hirundichthys</i> (genus <i>Hirundichthys</i> , Exocoetidae). 1. Oceanic species: <i>H. speculiger</i> , <i>H. indicus</i> sp. nova. <i>Journal of</i>
Sheil, C.A., & T. Grant	2001	A new species of colubrid snake (<i>Synopsis</i>) from Western Colombia. <i>Journal of</i>
Shibukawa, K., & E.O. Murdy	2012	A redescription of the eel goby <i>Trypauchenopsis</i> (Gobiidae: Amblyopinae) with comments on relationships. <i>Copeia</i> 2012(3):527–534.
Shinohara, G., S.M. Shirai, M.V. Nazarkin & M. Yabe	2011	Preliminary list of the deep-sea fishes in the Sea of Japan. <i>Bulletin National Museum Natural Sciences, Series A</i> , 37(1): 35–62.
Shrestha, J.	1980	Fishes of Nepal. Curriculum Development Centre, Tribhuvan Univ., Kathmandu.
Siegel, D.S., A.E. Nicholson, B. Rabe, B. Beran & S.E. Trauth	2014	The evolution of the sperm transport complex in male plethodontid salamanders (Amphibia, Urodela, Plethodontidae). <i>Copeia</i> 2014(3): 489–502.
Siler, C.D., D.R. Davis, E.S. Freitas, N.A. Huron, A.D. Geheber, J.L. Watters, M.L. Penrod, M. Papes, A. Amrein A. Anwar, D. Cooper, T. Hein, A. Manning, N. Patel, L. Pinaroc, A.C. Diesmos, M.L. Diesmos, C.H. Oliveros & R.M. Brown	2016	Additions to the Philippine slender skinks of the <i>Brachymeles bonitae</i> complex (Reptilia: Squamata: Scincidae) II: a new species from the northern Philippines. <i>Zootaxa</i> 4312(1): 15–29.
Silva-Oliveira, C., A.L.C. Canto & F.R.V. Ribeiro	2015	<i>Bryconops munduruku</i> (Characiformes: Characidae), a new species of fish from the lower Tapajós River basin, Brazil. <i>Zootaxa</i> 3994(1): 133–141
Sindaco, R., R. Nincheri & B. Lanza	2014	Catalogue of Arabian reptiles in the collections of the "La Specola" Museum, Florence. <i>Scripta Herpetologica. Studies on Amphibians and Reptiles in honour</i>
Sindaco, R., U. Ziliani, E. Razzetti, C. Carugati, C. Grieco, F. Pupin, B. Awadh Al-Aseily, F. Pella & M. Fasola	2009	A misunderstood new gecko of the genus <i>Hemidactylus</i> from Socotra Island, Yemen (Reptilia: Squamata: Gekkonidae). <i>Acta Herpetologica</i> 4(1):3–98.
Šmíd, J., G. Martínez, J. Gebhart, J. Aznar, J. Gállego, B. Göçmen, P. de Pous, K. Tamar & S. Carranza	2015	Phylogeny of the genus <i>Rhynchocalamus</i> (Reptilia; Colubridae) with a first record from the Sultanate of Oman. <i>Zootaxa</i> 4033(3): 380–392.
Smith-Vaniz, W.F.	1976	The saber-toothed blennies, tribe Nemophini (Pisces: Blenniidae). <i>Monographs of the Academy of Natural Sciences of Philadelphia</i> No. 19: i–vii + 1–196, 18
Smith-Vaniz, W.F.	1980	Revision of Western Atlantic species of the blennioid fish genus <i>Hypsoblennius</i> . <i>Proceedings of the Academy of Natural Sciences of Philadelphia</i> 132:285–305
Smith, D.G., E. Irmak & Ö. Özen	2012	A redescription of the eel <i>Panturichthys fowleri</i> (Anguilliformes: Heterenchelyidae), with a synopsis of the Heterenchelyidae. <i>Copeia</i>

Smith, E.N., K. Manamendra-Arachchi & R. Somaweera	2008	A new species of coralsnake of the genus <i>Calliophis</i> (Squamata: Elapidae) from the Central Province of Sri Lanka. <i>Zootaxa</i> 1847: 19–33.
Smith, J.B., M.C. Lamanna, H. Mayr & K.J. Lacovara	2006	New information regarding the holotype of <i>Spinosaurus aegyptiacus</i> Stromer, 1915. <i>Journal of Paleontology</i> 80(2):400–406.
Smith, N.D., & D.T. Ksepka	2015	Five well-supported fossil calibrations within the "Waterbird" assemblage (Tetrapoda, Aves). <i>Palaeontologia Electronica</i> 18.1.7FC; 1-21; palaeo-
Soares, K.D.A., O.F.B. Gadig & U.L. Gomes	2015	<i>Scylliorhinus ugoi</i> , a new species of catshark from Brazil (Chondrichthyes: Carcharhiniformes: Scylliorhinidae). <i>Zootaxa</i> 3937(2):347–361.
Sobbe, I.H., G.J. Price & R.A. Knezour	2013	A ziphodont crocodile from the late Pleistocene King Creek catchment, Darling Downs, Queensland. <i>Memoirs of the Queensland Museum</i> 56(2): 601–606.
Solé, M.A.	2009	Colección de tipos de algas marinas del herbario del museo oceanológico Hermano Benigno Román (MOBR). <i>Acta Botánica Venezolana</i> 32(1): 225–236.
Song, H.-Y., & I.-C. Bang	2015	<i>Coreoleuciscus aeruginos</i> (Teleostei: Cypriniformes: Cyprinidae), a new species from the Seomjin and Nakdong rivers, Korea. <i>Zootaxa</i> 3931(1): 140–150.
Sousa, L.M., & L.H. Rapp Py-Daniel	2005	Description of two new species of <i>Physopyxis</i> and redescription of <i>P. lyra</i> (Siluriformes: Doradidae). <i>Neotropical Ichthyology</i> v. 3 (no. 4): 625–636.
Stewart, D.J.	2013	Re-description of <i>Arapaima agassizii</i> (Valenciennes), a rare fish from Brazil (Osteoglossomorpha: Osteoglossidae). <i>Copeia</i> 2013(1):38–51.
Storr, G.M.	1984	A new <i>Ramphotyphlops</i> (Serpentes: Typhlopidae) from Central Australia. <i>Records of the Western Australian Museum</i> 11: 313–314.
Storr, G.M.	1986	A new species of <i>Lerista</i> (Lacertilia: Scincidae) with two subspecies from central Australia. <i>Records of the Western Australian Museum</i> 13: 145–149.
Strickland, J.L., C.L. Parkinson, J. Kelly McCoy & L.K. Ammerman	2014	Phylogeography of <i>Agkistrodon piscivorus</i> with emphasis on the western limit of its range. <i>Copeia</i> 2014(4): 639–649.
Stuebing, R.B., & R. Goh	1993	A new record of Leonard's pipe snake, <i>Anomochilus leonardi</i> Smith (Serpentes: Uropeltidae: Cylindrophinae) from Sabah, Northwestern Borneo. <i>Raffles Bulletin</i>
Sunyer, J., D.B. Wake, J.H. Townsend, S.L. Travers, S.M. Rovito, T.J. Papenfuss, L.A. Obando & G. Köhler	2010	A new species of worm salamander (Caudata: Plethodontidae: <i>Oedipina</i>) in the subgenus <i>Oeditriton</i> from the highlands of northern Nicaragua. <i>Zootaxa</i> 2613: 29–39.
Suvarnaraksha, A.	2012	<i>Schistura maejotigrina</i> , a new stream loach (Pisces: Nemacheilidae) from
Suvarnaraksha, A.	2013	A new species of <i>Physoschistura</i> (Pisces: Nemacheilidae) from northern
Tablado, A.	2002	Las colecciones del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia". <i>Revista del Museo Argentino de Ciencias Naturales</i> , n.s. 4(2):
Tachi, T., & H. Rahman	2003	Biological Collection Management in Sabah, Malaysia - How do we share data?. Research & Education Component of the BBEC Programme, c/o Institute for Tropical Biology and Conservation (ITBC), Universiti Malaysia Sabah, Kota
Taggart, T.W., J.T. Collins & C.J. Schmidt	2006	Herpetological collections and collecting in Kansas. <i>Journal of Kansas</i>
Takahashi, T., & K. Nakaya	2003	New Species of <i>Cyphotilapia</i> (Perciformes: Cichlidae) from Lake Tanganyika,

Takeuchi, H., T. Fujita, Y. Kubo & K. Hosoya	2009	Fish specimen collections of the Faculty of Agriculture, Kinki University. <i>Memoirs of the Faculty of Agriculture of Kinki University</i> , 42: 105- 109
Tamang, L., & B. Sinha	2014	Two new species of the South Asian catfish genus <i>Pseudolaguvia</i> from northeastern India (Teleostei: Sisoridae). <i>Zootaxa</i> 3887(1): 37-54
Tamang, L., S. Chaudhry & D. Choudhury	2008	<i>Erethistoides senkhiensis</i> , a new catfish (Teleostei: Erethistidae) from India. <i>Ichthyological Exploration of Freshwaters</i> 19(2):185-191.
Tan, H.H.	2006	The Borneo Suckers. Revision of the torrent loaches of Borneo (Baitoridae: <i>Gastromyzon</i> , <i>Neogastromyzon</i>). Natural History Publications (Borneo). Kota Kinabalu, Sabah, Malaysia, Natural History Publications (Borneo) in association
Tan, M., & J.W. Armbruster	2012	<i>Cordylancistrus santarosensis</i> (Siluriformes: Loricariidae), a new species with unique snout deplation from the Río Santa rosa, Ecuador. <i>Zootaxa</i> 3243:
Tang, K.L., D.N. Lumbantobing & R.L. Mayden	2013	The phylogenetic placement of <i>Oxygaster</i> van Hasselt, 1823 (Teleostei: Cypriniformes: Cyprinidae) and the taxonomic status of the Family-group name
Taphorn, D.C., J.W. Armbruster, F. Villa-Navarro & C.K. Ray	2013	Trans-Andean <i>Ancistrus</i> (Siluriformes: Loricariidae). <i>Zootaxa</i> 3641(4):343-370.
Taylor, E.H.	1956	A review of the lizards of Costa Rica. <i>University of Kansas Science Bulletin</i>
Thinh, V.N., A.R. Mootnick, V.N. Thanh, T. Nadler & C. Roos	2010	A new species of crested gibbon, from the central Annamite mountain range. <i>Vietnamese Journal of Primatology</i> 4: 1-12.
Thomson, A.W., & L.M. Page	2006	Genera of the Asian catfish families Sisoridae and Erethistidae (Teleostei:
Tominaga, Y., & T. Kubota	1972	Records of the redmouth whalefish, <i>Rondeletia loricata</i> , from Sagami Bay and Suruga Bay, Japan, with notes on the holotype. <i>Japan. J. Ichthyology</i>
Torres-Mejia, M., E. Hernández & V. Senechal	2012	A new species of <i>Astyanacinus</i> (Characiformes: Characidae) from the Río Magdalena System, Colombia. <i>Copeia</i> 2012(3):501-506.
Tri, N.V., L.L. Grismer, P.H. Thai & P.L. Wood, Jr.	2014	A new species of <i>Hemiphyllodactylus</i> Bleeker, 1860 (Squamata: Gekkonidae) from Ba Na-Nui Chua Nature Reserve, Central Vietnam. <i>Zootaxa</i>
Turan, D., M. Kottelat & S. Engin	2014	Two new species of trouts from the Euphrates drainage, Turkey (Teleostei: Salmonidae). <i>Ichthyological Exploration of Freshwaters</i> 24(3):275-287.
Turan, D., M. Kottelat, F.G. Ekmekçi & H.O. Imamoglu	2006	A review of <i>Capoeta tinca</i> , with descriptions of two new species from Turkey (Teleostei: Cyprinidae). <i>Revue suisse de Zoologie</i> 113(2):421-436.
Ursenbacher, S., M. Carlsson, V. Helfer, H. Tegelström & L. Fumagalli	2006	Phylogeography and Pleistocene refugia of the adder (<i>Vipera berus</i>) as inferred from mitochondrial DNA sequence data. <i>Molecular Ecology</i> 15(11): 3425-3437.
Valdecantos, M.S., F. Arias & R.E. Espinoza	2012	Herbivory in <i>Liolaemus poecilochromus</i> , a small, cold-climate lizard from the
Valdesalici, S. & J.R. García Gil	2015	<i>Laimosemion mabura</i> , a new killifish from the Essequibo River drainage, Guyana (Cyprinodontiformes: Rivulidae). <i>aqua, International Journal of</i>
Valdesalici, S., & S. van der Voort	2015	<i>Badis laspiophilus</i> , a new miniature addition to the ichthyofauna of West Bengal, north-eastern India, with observations on its ecology and preliminary
van der Heiden, A.M. & H.G. Plascencia González	2005	<i>Etropus ciadi</i> , a new endemic flatfish from the Gulf of California, Mexico (Pleuronectiformes: Paralichthyidae). <i>Copeia</i> 2005 (no. 3): 470-478.

Van Steenberge, M., E. Vreven & J. Snoeks	2014	The fishes of the Upper Luapula area (Congo basin): a fauna of mixed origin. <i>Ichthyological Exploration of Freshwaters</i> 24(4):329–345.
Vanegas-Ríos, J.A., & D.A.T. Phillip	2013	First record of <i>Gephyrocharax valencia</i> (Characiformes: Characidae: Stevardiinae) from the island of Trinidad, West Indies. <i>Revista Mexicana de</i>
Vanegas-Ríos, J.A., M.M. Azpelicueta, & H. Ortega	2011	<i>Chrysobrycon eliasi</i> , new species of stevardiine fish (Characiformes: Characidae) from the río Madre de Dios and upper río Manuripe basins, Peru.
Vanegas-Ríos, J.A., M.M. Azpelicueta, J.M. Mirande & M.D. García Gonzales	2013	<i>Gephyrocharax torresi</i> (Characiformes: Characidae: Stevardiinae), a new species from the río Cascajales basin, río Magdalena system, Colombia.
Venegas, P.J., O. Torres-Carvajal, V. Duran & K. de Queiroz	2013	Two sympatric new species of woodlizards (Hoplocercinae, <i>Enyalioides</i>) from Cordillera Azul National Park in northeastern Peru. <i>ZooKeys</i> 277:69–90.
Villa-Navarro, F.A., P.T. Zúñiga-Upegui, D.Castro-Roa, J.E. García-Melo, L.J. García-Melo & M.E. Herrada-Yara	2006	Peces del alto Magdalena, cuenca del río magdalena, Colombia. <i>Biota Colombiana</i> 7(1):3-22.
Vincent, M. & J. Thomas	2011	<i>Kryptoglanis shajii</i> , an enigmatic subterranean-spring catfish (Siluriformes, <i>Incertae sedis</i>) from Kerala, India. <i>Ichthyol. Res.</i> (2011) 58:161–165.
Wake, M.H., & M.A. Donnelly	2010	A new lungless caecilian (Amphibia: Gymnophiona) from Guyana. <i>Proceedings</i>
Wallach, V., K.L. Williams & J. Boundy	2014	<i>Snakes of the World: A Catalogue of Living and Extinct Species</i> . Taylor and
Wallin, L.	1996	Catalog of type specimens. 2. General zoology. Uppsala University, Museum of
Wallin, L.	2001	Catalogue of type specimens. 4. Linnaean specimens. Uppsala University, Museum of Evolution, Zoology section. 128 p. [revised v. 6]
Wang, Y., Y. Shen, C. Feng, K. Zhao, Z. Song, Y. Zhang, L. Yang & S. He	2016	Mitogenomic perspectives on the origin of Tibetan loaches and their adaptation to high altitude. <i>Scientific Reports</i> 6:29690. DOI:10.1038/srep29690.
Watanabe, K., & T. Uyeno	1999	Fossil bagrid catfishes from Japan and their zoogeography, with description of a new species, <i>Pseudobagrus ikiensis</i> . <i>Ichthyological Research</i> , 46, 397–412.
Watanabe, K., & T. Uyeno	1999	Fossil bagrid catfishes from Japan and their zoogeography, with description of a new species, <i>Pseudobagrus ikiensis</i> . <i>Ichthyological Research</i> 46: 397–412.
Watanabe, K., C.-G. Zhang & Y.-H. Zhao	2002	Redescription of the east Asian bagrid catfish, <i>Pseudobagrus kyphus</i> Mai, 1978, and a new record from China. <i>Ichthyological Research</i> (2002)49:384-388.
White, M.M.	2014	Intraspecific phylogeography of the American brook lamprey, <i>Lethenteron</i>
White, W.T., & P.R. Last	2013	Notes on shark and ray types at the South China Sea Fisheries Research Institute, (SCSFRI) in Guangzhou, China. <i>Zootaxa</i> 3752(1): 228–248.
Wildekamp, R.H., & F.J. Malumbres	2004	Identification of <i>Micropanchax scheeli</i> (Cyprinodontiformes: Poeciliidae: Aplocheilichthyinae) with the description of a new species of the genus
Williams, J.D., D.A. Neely, S.J. Walsh & N.M. Burkhead	2007	Three new percid fishes (Percidae: Percina) from the Mobile Basin drainage of Alabama, Georgia, and Tennessee. <i>Zootaxa</i> 1549:1-28.
Wilson, J.A., D.M. Mohabey, S.E. Peters & J.J. Head	2010	Predation upon hatchling dinosaurs by a new snake from the Late Cretaceous of India. <i>PLoS Biol</i> 8(3): e1000322. doi:10.1371/journal.pbio.1000322

Wu, Y.-A., E. Zhang, Z.-W. Sun & S.-J. Ren	2013	Identity of the catfish <i>Liobagrus styani</i> (Teleostei: Amblycipitidae) from Hubei Province, China. <i>Ichthyological Exploration of Freshwaters</i> 24(1):73–84.
Xiu, L.-H., J. Yang & H.F. Zheng	2014	An extraordinary new blind catfish, <i>Xiurenbagrus dorsalis</i> (Teleostei: Siluriformes: Amblycipitidae), from Guangxi, China. <i>Zootaxa</i> 3835(3):376-380.
Yoshino, T., & H. Kishimoto	2008	<i>Plotosus japonicus</i> , a new eeltail catfish (Siluriformes: Plotosidae) from Japan. <i>Bulletin National Museum Natural Science, Series A, Supplement 2</i> : 1–11.
Young, B., R.L. Dunstone, T.J. Senden & G.C. Young	2013	A gigantic sarcopterygian (tetrapodomorph lobe-finned fish) from the Upper Devonian of Gondwana (Eden, New South Wales, Australia). <i>PLoS ONE</i> 8(3):
Zachariah, A., K.P. Dinesh, E. Kunhikrishnan, S. Das, D.V. Raju, C. Radhakrishnan, M.J. Palot & S. Kalesh	2011	Nine new species of frogs of the genus <i>Raorchestes</i> (Amphibia: Anura: Rhacophoridae) from southern Western Ghats, India. <i>Biosystematica</i> 5: 25–48.
Zanata, A.M., B. Sardeiro & C.H. Zawadzki	2013	A new dark-spotted species of <i>Hypostomus</i> Lacépède (Siluriformes: Loricariidae) from rio Praguaçu, Bahia State, Brazil. <i>Neotropical Ichthyology</i>
Zhang, C.-G., P. Musikasinthorn, & K. Watanabe	2002	<i>Channa nox</i> , a new channid fish lacking a pelvic fin from Guangxi, China. <i>Ichthyological Research</i> v. 49 (no. 2): 140-146.
Zhu, G.-X., Y.-Y. Wang, H. Takeuchi & E.-M. Zhao	2014	A new species of the genus <i>Rhabdophis</i> Fitzinger, 1843 (Squamata: Colubridae) from Guangdong Province, southern China. <i>Zootaxa</i> 3765(5):

Personal Correspondences	1st Day/Month	Year	Email Address	Pers. Comm.	Last Name
D.J. Meinhardt		2006			Meinhardt
Edith C. Marsh-Matthews	13-Sep	2010	emarsh@ou.edu		Marsh-Matthews
Hiroyuki Motomura	18-Sep	2010	motomura@kaum.kagoshima-u.ac.jp		Motomura
William Eschmeyer	22-Sep	2010	BEschmeyer@calacademy.org		Eschmeyer
Alfredo Carvalho-Filho	28-Sep	2010	alfie@telnet.com.br		Carvalho-Filho v.1
William D. Anderson, Jr.	12-Oct	2010	AndersonWD@cofc.edu		Anderson, Jr. v.2
Jonathan Armbruster	12-Oct	2010	armbrjw@auburn.edu		Armbruster
Raoul Bain	12-Oct	2010	bain@amnh.org		Bain
John Clay Bruner	12-Oct	2010	jbruner@ualberta.ca		Bruner
Brooks Burr	12-Oct	2010	burr@zoology.siu.edu		Burr
Janalee P. Caldwell	12-Oct	2010	caldwell@ou.edu		Caldwell
Marcel Rodrigo Cavallaro	12-Oct	2010	mrcavallaro@gmail.com		Cavallaro
Chip Cotton	12-Oct	2010	chip@vims.edu		Cotton
David L. Cundall	12-Oct	2010	dlc0@Lehigh.EDU		Cundall
Michael Doosey	12-Oct	2010	doosey@ku.edu		Doosey
Gavin Hanke	12-Oct	2010	ghanke@royalbcmuseum.bc.ca		Hanke
Michael Newbrey	12-Oct	2010	mike.newbrey@gov.ab.ca		Newbrey
Leslie Rissler	12-Oct	2010	rissler@as.ua.edu		Rissler
Donald Taphorn	12-Oct	2010	taphorn@gmail.com		Taphorn
Henry Agudelo-Zamora	13-Oct	2010	hdagudelo@gmail.com		Agudelo-Zamora
Oscar Flores-Villela	13-Oct	2010	sapofv@gmail.com		Flores-Villela
Eric Hilton	13-Oct	2010	ehilton@vims.edu		Hilton
Mark-Oliver Rödel	13-Oct	2010	Mo.Roedel@mfn-berlin.de		Rödel
Mark McGrouther	14-Oct	2010	Mark.McGrouther@austmus.gov.au		McGrouther
Wolfgang Böhme	15-Oct	2010	w.boehme.zfmk@uni-bonn.de		Böhme
Ursula Bott	15-Oct	2010	u.bott.zfmk@uni-bonn.de		Bott
Frank J. Schwartz	15-Oct	2010	typed letter!		Schwartz
Edith C. Marsh-Matthews	17-Oct	2010	emarsh@ou.edu		Marsh-Matthews
Joseph T. Collins	18-Oct	2010	jcollins@ku.edu		Collins
Travis W. Taggart	18-Oct	2010	TTaggart@fhhsu.edu		Taggart
Luiz R. Malabarba	19-Oct	2010	malabarba@ufrgs.br		Malabarba
Truong Nguyen	19-Oct	2010	nqt2@yahoo.com		Nguyen
Jay M. Savage	19-Oct	2010	savy1@cox.net		Savage
Harold Dundee	20-Oct	2010	h.dundee@cox.net		Dundee
Ned Gilmore	20-Oct	2010	egilmore@acnatsci.org		Gilmore
Seishi Kimura	20-Oct	2010	kimura-s@bio.mie-u.ac.jp		Kimura
Guenter A. Schuster	20-Oct	2010	Guenter.Schuster@EKU.EDU		Schuster
Brian Sidlauskas	20-Oct	2010	brian.sidlauskas@oregonstate.edu		Sidlauskas
Darrel E. Snyder	20-Oct	2010	desnyder@warnercnr.colostate.edu		Snyder
Brian Gill	21-Oct	2010	bgill@aucklandmuseum.com		Gill
Tom Trnski	21-Oct	2010	ttrnski@aucklandmuseum.com		Trnski
Ivan Ineich	22-Oct	2010	ineich@mnhn.fr		Ineich
Albert E. Sanders	22-Oct	2010	asanders@charlestonmuseum.org		Sanders
Vladimir E. Kharin	24-Oct	2010	vkharin@imb.dvo.ru		Kharin
Amy Henrici	25-Oct	2010	HenriciA@carnegiemnh.org		Henrici
Stephen P. Rogers	25-Oct	2010	RogersS@CarnegieMNH.Org		Rogers
Andrew Bentley	26-Oct	2010	abentley@ku.edu		Bentley

Balazs Farkas	26-Oct	2010	farkasbalazs@yahoo.com	Farkas	
Art Harris	26-Oct	2010	aharris@utep.edu	Harris	
Rafael Miranda	26-Oct	2010	rmiranda@unav.es	Miranda	
Luiz J. de Queiroz	27-Oct	2010	luizjq@yahoo.com.br	de Queiroz	
Stevan J. Arnold	29-Oct	2010	arnolds@science.oregonstate.edu	Arnold	
Chaiwut Krudpan	31-Oct	2010	k_chaiwut@hotmail.com	Krudpan	
Jan Mol	6-Nov	2010	fisheco@celos.sr.org	Mol	
Rocío Rodiles-Hernández	7-Nov	2010	rrodiles@ecosur.mx	Rodiles-Hernández	v.2
James Albert	10-Nov	2010	jalbert@louisiana.edu	Albert	v.3
Bruce Bauer	10-Nov	2010	bbauer@bheenvironmental.com	Bauer	
John Clay Bruner	10-Nov	2010	jbruner@ualberta.ca	Bruner	
Marcel Rodrigo Cavallaro	10-Nov	2010	mrcavallaro@gmail.com	Cavallaro	
Christy Classi	10-Nov	2010	cclassi@allenpress.com	Classi	
Robert A. Daniels	10-Nov	2010	RDANIELS@MAIL.NYSED.GOV	Daniels	
Sandy Echternacht	10-Nov	2010		Echternacht	
Héctor Espinosa Pérez	10-Nov	2010	hector@servidor.unam.mx	Espinosa Pérez	
Laurence M. Hardy	10-Nov	2010	Laurence.Hardy@lsus.edu	Hardy	
Adam D. Leaché	10-Nov	2010	leache@uw.edu	Leaché	
Jim I. Mead	10-Nov	2010	MEAD@mail.etsu.edu	Mead	
Alexandra M. Snyder	10-Nov	2010	amsnyder@unm.edu	Snyder	
Carol Spencer	10-Nov	2010	atrox@berkeley.edu	Spencer	
Mark Steinhilber	10-Nov	2010	Mark.Steinhilber@gov.ab.ca	Steinhilber	
Dean A. Hendrickson	11-Nov	2010	deanhend@mail.utexas.edu	Hendrickson	
Sven Kullander	11-Nov	2010	Sven.Kullander@nrm.se	Kullander	
Douglas Rodríguez Olarte	11-Nov	2010	douglasrodriguez@ucla.edu.ve	Rodríguez Olarte	
Masayuki Sumida	11-Nov	2010	msumida500@gmail.com	Sumida	
David B. Wake	11-Nov	2010	davidbwake@gmail.com	Wake	
Travis J. LaDuc	12-Nov	2010	travieso@mail.utexas.edu	LaDuc	
Guarino Rinaldi Colli	12-Nov	2010	grcolli@unb.br	Rinaldi Colli	
John Reiss	15-Nov	2010	John.Reiss@humboldt.edu	Reiss	
Salvador Bailon	22-Nov	2010	salvador.bailon@mnhn.fr	Bailon	
Ronald de Ruiten	30-Nov	2010	Ronald.deRuiten@ncbnaturalis.nl	de Ruiten	
Gento Shinohara	30-Nov	2010	s-gento@kahaku.go.jp	Shinohara	
Andy Bentley	7-Dec	2010	abentley@ku.edu	Bentley	
Gabriela Hogue	14-Jan	2011	gabriela.hogue@ncdenr.gov	Hogue	
Karsten Edward Hartel	18-Jan	2011	hartel@oeb.harvard.edu	Hartel	
Richard King	24-Mar	2011	rbking@niu.edu	King	
David M. Green	30-Mar	2011	david.m.green@mcgill.ca	Green	
Richard King	31-Mar	2011	rbking@niu.edu	King	
Meredith Mahoney	31-Mar	2011	mjmahoney@museum.state.il.us	Mahoney	
Peter Lindeman	9-May	2011	PLINDEMAN@edinboro.edu	Lindeman	
Michael S. Finkler	10-Aug	2011	mfinkler@iuk.edu	Finkler	
Hans Viborg Kristensen	7-Sep	2011	hans@nathist.dk	Kristensen	
Marcel Rodrigo Cavallaro	16-Sep	2011	mrcavallaro@gmail.com	Cavallaro	
Angelo Capparella	27-Oct	2011	apcappar@ilstu.edu	Capparella	
Nicola Novarini	11-Jan	2012	nicola.novarini@fmcvenezia.it	Novarini	
Francisco Kolenc	17-Jan	2012	fkolenc@gmail.com	Kolenc	
Raúl Maneyro	17-Jan	2012	rmaneyro@fcien.edu.uy	Maneyro	

Diego Baldo	2-Feb	2012	diegobaldo@gmail.com	Baldo	v.3
Paulo A. Buckup	19-Mar	2012	buckup@acd.ufrj.br	Buckup	v.4
Juan M. Díaz de Astarloa	19-Mar	2012	astarloa@mdp.edu.ar	Díaz de Astarloa	
Robert E. Espinoza	19-Mar	2012	robert.e.espinoza@csun.edu	Espinoza	
Cristina Cox Fernandes	20-Mar	2012	cristina@bio.umass.edu	Cox Fernandes	
Yukio Iwatsuki	20-Mar	2012	yuk@cc.miyazaki-u.ac.jp	Iwatsuki	
Fernando Lobo	20-Mar	2012	flobo@unsa.edu.ar	Lobo	
Stan Trauth	20-Mar	2012	STRAUTH@astate.edu	Trauth	
Camm C. Swift	22-Mar	2012	camswift@pacbell.net	Swift	
Christine Thacker	22-Mar	2012	thacker@nhm.org	Thacker	
Rick Feeney	23-Mar	2012	rfeeney@nhm.org	Feeney	
Brian Zimmerman	23-Mar	2012	zimmerman.205@osu.edu	Zimmerman	
Hans Viborg Kristensen	28-Mar	2012	hans@nathist.dk	Kristensen	
Kazumi Hosoya	20-Apr	2012	hosoya@nara.kindai.ac.jp	Hosoya	
Hiroaki Takeuchi	20-Apr	2012	lakeweed_chub@yahoo.co.jp	Takeuchi	
Marcel Rodrigo Cavallaro	16-May	2012	mrcavallaro@gmail.com	Cavallaro	
Rocío Rodiles-Hernández	2-Aug	2012	rrodiles@ecosur.mx	Rodiles-Hernández	
Paulo H.F. Lucinda	24-Sep	2012	lucinda@mail.uft.edu.br	Lucinda	
G. David Johnson	27-Sep	2012	JOHNSOND@si.edu	Johnson	
Andrew J. Crawford	27-Oct	2012	crawfordaj@gmail.com	Crawford	
Ángel Sosa	9-Oct	2012	angelsosa1983@yahoo.com	Sosa	
Larry M. Page	2-Jan	2013	lpage@flmnh.ufl.edu	Page	
Leandro Villa-Verde	4-Jan	2013	elffobr@yahoo.com.br	Villa-Verde	
Lynda Loucks	16-Jan	2013	LLoucks@uco.edu	Loucks	
Ronald de Ruiter	11-Feb	2013	Ronald.deRuiter@ncbnaturalis.nl	de Ruiter	
Andrea Polanco	28-Mar	2013	andrea.polanco@gmail.com	Polanco	
Mahmoud Aboukheir	8-Apr	2013	museozoologiauprrp@gmail.com	Aboukheir	
Edoardo Razzetti	9-Apr	2013	edoardo.razzetti@unipv.it	Razzetti	
Giovanni Boano	10-Apr	2013	g.boano@gmail.com	Boano	
Elena Gavetti	10-Apr	2013	elena.gavetti@regione.piemonte.it	Gavetti	
Franco Andreone	10-Apr	2013	franco.andreone@regione.piemonte.it	Andreone	
Maria Dimaki	10-Apr	2013	mdim@gnhm.gr	Dimaki	
Stefano Scali (via Edoardo Razzetti)	11-Apr	2013		Scali	
Leon Yun-Chih Liao	24-Apr	2013	fish1715@yahoo.com.tw	Liao	
Hong-Ming Chen	26-Apr	2013	hmchen@mail.ntou.edu.tw	Chen	
Jay M. Savage	2-May	2013	savy1@cox.net	Savage	
José L. O. Birindelli	7-May	2013	josebirindelli@yahoo.com	Birindelli	
Luis Coloma	10-May	2013	coloma.l@gmail.com	Coloma	
Heok Hee Ng	16-May	2013	heokhee.ng@gmail.com	Ng	
Ana Almendariz	30-May	2013	ana.almendariz@epn.edu.ec	Almendariz	
Mrinal Das	3-Jun	2013	DasM@macewan.ca	Das	
Gabriela Hogue	20-Jun	2013	gabriela.hogue@ncdenr.gov	Hogue	v.4
Luciana Barreto Nascimento	3-Jul	2013	luna@pucminas.br	Nascimento	v.5
Byron J. Freeman	23-Jul	2013	bud@hemip.nhm.uga.edu	Freeman	
Gloria Arratia	27-Jul	2013	garratia@ku.edu	Arratia	
Heather L. Prestridge	29-Jul	2013	hlprestridge@neo.tamu.edu	Prestridge	
Lou Van Guelpen	29-Jul	2013	ARC@mar.dfo-mpo.gc.ca	Van Guelpen	
James Hanken	30-Jul	2013	hanken@oeb.harvard.edu	Hanken	

Mariana Morando	31-Jul	2013	morando@cenpat.edu.ar	Morando	
Hiroyuki Motomura	1-Aug	2013	motomura@kaum.kagoshima-u.ac.jp	Motomura	
Kei Miyamoto	1-Aug	2013	k-miyamoto@okichura.jp	Miyamoto	
Matthew D. Wagner	1-Aug	2013	matthew.wagner@sdsstate.edu	Wagner	
James Anyelo Vanegas-Rios	6-Aug	2013	anyelovr@gmail.com	Vanegas-Rios	
Leandro Sousa	7-Aug	2013	leandro.m.sousa@gmail.com	Sousa	
William D. Anderson, Jr.	9-Aug	2013	AndersonWD@cofc.edu	Anderson, Jr.	
Alexandra M. Snyder	14-Aug	2013	amsnyder210@gmail.com	Snyder	
David Cundall	28-Aug	2013	dlc0@Lehigh.EDU	Cundall	
Hipócrates Chalkidis	14-Mar	2014	chalkidis@hotmail.com	Chalkidis	
Rob Robins	26-Mar	2014	rrobins@flmnh.ufl.edu	Robins	
Eli Greenbaum	16-May	2014	egreenbaum2@utep.edu	Greenbaum	
Sarah Huber	19-May	2014	skhuber@vims.edu	Huber	
Victor Springer	12-Sep	2014	SPRINGER@si.edu	Springer	v.5
Gerry Allen	26-Sep	2014	gerry.tropicalreef@gmail.com	Allen	v.6
Peter Uetz	27-Sep	2014	peter@uetz.us	Uetz	
Matt Rayner	6-Oct	2014	mrayner@aucklandmuseum.com	Rayner	
Chris R. Feldman	12-Oct	2014	ophis@unr.edu	Feldman	
Christopher J. Bell	16-Oct	2014	cjbelle@jsg.utexas.edu	Bell	
Andrew Bentley	15-Oct	2014	abentley@ku.edu	Bentley	
Jens Vindum	17-Oct	2014	JVindum@calacademy.org	Vindum	
Dave Catania	20-Oct	2014	DCatania@calacademy.org	Catania	
Peter Uetz	26-Oct	2014	peter@uetz.us	Uetz	
Unmesh Katwate	27-Oct	2014	theunmesh@gmail.com	Katwate	
Peter Uetz	2-Jan	2015	peter@uetz.us	Uetz	
Andrew Shedlock	16-Jan	2015	shedlockam@cofc.edu	Shedlock	
Randall Mooi	16-Jan	2015	rmooi@manitobamuseum.ca	Mooi	
Heather L. Prestridge	20-Jan	2015	hlprestridge@tamu.edu	Prestridge	
Margaret F. Docker	20-Jan	2015	dockerm@cc.umanitoba.ca	Docker	
H.J. Walker	22-Jan	2015	hjwalker@ucsd.edu	Walker	
William Watson	23-Jan	2015	william.watson@noaa.gov	Watson	
Gustavo Graciolli	4-Feb	2015	ggraciolli@yahoo.com.br	Graciolli	
Uiblein Franz	22-Feb	2015	franz.uiblein@imr.no	Franz	
Dana Ehret	8-Apr	2015	djehret@as.ua.edu	Ehret	
John Friel	13-Apr	2015	jpgriel@ua.edu	Friel	
Gustavo Chiaramonte	22-Apr	2015	gchiararam@retina.ar	Chiaramonte	
Andrea Weiler	24-Apr	2015	andreaweiler1@gmail.com	Weiler	
John Clay Bruner	14-Aug	2015	jbruner@ualberta.ca	Bruner	
Stephen D. Busack	21-Aug	2015	sbusack348@aol.com	Busack	
Luiz Fernandez	2-Sep	2014	luis1813@yahoo.com	Fernandez	
John Clay Bruner	30-Sep	2015	jbruner@ualberta.ca	Bruner	
Luciano Javier Avila	14-Sep	2015	avilacnp@gmail.com	Avila	
Carl Ferraris, Jr.	9-Sep	2015	carlferraris@comcast.net	Ferraris	
Victor Tagliacollo	9-Oct	2015	victor_tagliacollo@yahoo.com.br	Tagliacollo	
James Albert	9-Oct	2015	jxa4003@louisiana.edu	Albert	
Carl Ferraris, Jr.	10-Nov	2015	carlferraris@comcast.net	Ferraris	
Carlos Donascimiento	10-Nov	2015	cdonascimiento@humboldt.org.co	Carlos	
Ingo Schindler	25-Nov	2015	intyo@aol.com	Schindler	

Mercedes Azpelicueta	12-Jan	2016	azpelicueta@gmail.com	Azpelicueta	
Christopher E. Smith	25-Feb	2016	christopher.smith@herpmapper.org	Smith	
Lauren Finn Hauptman	29-Mar	2016	lauren_hauptman@nps.gov	Hauptman	
Marcus Knight	3-May	2016	jdmarcusknight@yahoo.co.in	Knight	
Sergio Bogan	1-May	2016	sergiobogan@yahoo.com.ar	Bogan	
Travis W. Taggart	20-Jun	2016	twtaggart@fhsu.edu	Taggart	
Gregory Watkins-Colwell	12-Jul	2016	gregory.watkins-colwell@yale.edu	Watkins-Colwell	
Cindy Opitz	14-Jul	2016	cindy-opitz@uiowa.edu	Opitz	
Roy Santa Cruz Farfán	1-Aug	2016	chara53@hotmail.com	Santa-Cruz	
Sam Sweet	8-Aug	2016	sweet@lifesci.ucsb.edu	Sweet	
Gavin Dally	9-Aug	2016	Gavin.Dally@nt.gov.au	Dally	
Puan Su Chin Sidih	11-Aug	2016	Suchin.Sidih@sabah.gov.my	Suchin	
Georg Heumann	12-Aug	2016	g.heumann@uni-bonn.de	Heumann	
Yoshiaki Kai	14-Aug	2016	mebaru@kais.kyoto-u.ac.jp	Kai	v.6

v.7