

Taxonomy	Order/series	Family	Valid binomial	Outdated binomial	Bone type (skeletal bone)	Bone type (scales)	Notes	Reference(s)
<b>Actinopterygii</b>								
	<i>Incertae sedis</i>	<i>Incertae sedis</i>	† <i>Birgria stenioei</i>		cellular			this study
			† <i>Birgria groenlandica</i>		cellular			Ørvig (1978)
			† <i>Eazynotus crenatus</i>			cellular		Goodrich (1907); Schultze (2016)
			† <i>Mimipiscis toombsi</i>	† <i>Mimia toombsi</i>		cellular		Richter & Smith (1995)
			† <i>Moythomasia</i> sp.		cellular	cellular		Sire et al. (2009); Schultze (2016)
Cladistia	†Cheirolepidiformes	†Cheirolepididae	† <i>Cheirolepis canadensis</i>		cellular	cellular		Goodrich (1907); Sire et al. (2009); Zyllberg et al. (2016); Meunier et al. (2018c); this study
	Polypteriformes	Polypteridae	† <i>Bavritus</i> sp.			cellular		Meunier et al. (2016)
			† <i>Dagetella sudamericana</i>		cellular	cellular		Gayet & Meunier (1992)
			<i>Eripectoichthys calabaricus</i>	<i>Calamichthys</i> sp.	cellular			Moss (1961b); this study
			† <i>Pollia suarezi</i>		cellular	cellular		Meunier & Gayet (1996)
			<i>Polypterus biclar</i>		cellular	cellular		Kölliker (1859); Stéphan (1900); Goodrich (1907); Ørvig (1978)
			<i>Polypterus delhezi</i>		cellular			this study
			<i>Polypterus ornaitipennis</i>					Totland et al. (2011)
			<i>Polypterus senegalus</i>		cellular	cellular		Sire et al. (2009)
			<i>Polypterus</i> sp.					Moss (1961b)
			† <i>Saanilepis</i> sp.			cellular		Sire et al. (2009)
			† <i>Saanilepis dubia</i>		cellular	cellular		Ørvig (1978)
Chondrostei	†Saurichthyiformes	†Saurichthyidae	† <i>Saurichthys</i> sp.		cellular			Scheyer et al. (2014)
	†Chondrosteiformes	†Chondrosteidae	† <i>Chondrosteus acipenseroides</i>		cellular			this study
	Acipenseriformes	Acipenseridae	<i>Acipenser baeri</i>		cellular			Leprévost et al. (2017)
			<i>Acipenser guldenstaadti</i>		cellular			Currey et al. (2017); this study
			<i>Acipenser naccarii</i>		cellular			Kölliker (1859)
			<i>Acipenser ruber</i>		cellular			Stéphan (1900)
			<i>Acipenser stellatus</i>			cellular (dermal plate)		Stéphan (1900)
			<i>Acipenser sturio</i>		cellular			Buffrénil et al. (2016)
			<i>Scaphorhynchus platyrhynchus</i>	<i>S. rajinesquii</i>	cellular			Kölliker (1859)
		Polyodontidae	<i>Polyodon spatulata</i>	<i>Spatularia folium</i>	cellular			Kölliker (1859)
<b>Neopterygii</b>								
	†Pseudodontiformes	†Pseudodontidae	† <i>Gyrinus</i> sp.		cellular			personal observation (NHMUK)
			† <i>Priscinetes elegans</i>		cellular			this study
Holostei	<i>Incertae sedis</i>	<i>Incertae sedis</i>	† <i>Eozonathus megalpis</i>		cellular			this study
			† <i>Heterolepis dorsalis</i>		cellular			this study
			† <i>Haelitia americana</i>		cellular			this study
	†Dapediiformes	†Dapediidae	† <i>Dapedium</i> sp.		cellular			this study
	Amiiformes	Amiidae	<i>Amia calva</i>		cellular	cellular		Kölliker (1859); Stéphan (1900); Moss (1961b); Sire & Meunier (1994); Sire et al. (2009); this study
			† <i>Amia robusta</i>		cellular	cellular		Meunier & Poplin (1995)
		†Caturidae	† <i>Caturus furcatus</i>		cellular			this study
	Lepisosteiformes	<i>Incertae sedis</i>	† <i>Adrianachthys pankowskii</i>			cellular		Meunier et al. (2016)
		Lepisosteidae	<i>Atractosteus tristoechus</i>			cellular		Meunier & Herbin (2014)
			<i>Atractosteus tropicus</i>		cellular			this study
			<i>Lepisosteus oculatus</i>		cellular	cellular		Sire & Meunier (1994); Sire et al. (2009); this study
			<i>Lepisosteus osseus</i>		cellular	cellular		Stéphan (1900); Goodrich (1907); Moss (1961b)
			<i>Lepisosteus platostomus</i>		cellular	cellular		Meunier et al. (1978); Sire & Meunier (1994); Sire et al. (2009)
			<i>Lepisosteus platyrhincus</i>		cellular	cellular		Kölliker (1859)
			† <i>Nannalepisosteus meciannus</i>			cellular		Brito et al. (2017)
		†Obaichthyidae	† <i>Obaichthys africanus</i>			cellular		Meunier et al. (2016)
			†cf. <i>Obaichthys laevis</i>			cellular		Brito et al. (2000)
			† <i>Obaichthys decoratus</i>			cellular		Brito et al. (2000)
	†Semionotiformes	†Semionotidae	† <i>Lepidotyle enigmatica</i>			cellular		Meunier & Gayet (1992)
			† <i>Semionotus elegans</i>		cellular			this study
<b>Stem-group Teleostei</b>								
	†Aspidorhynchiformes	†Aspidorhynchidae	† <i>Aspidorhynchus acutimuris</i>		cellular	cellular		Brito & Meunier (2000); Meunier & Brito (2004)
			† <i>Aspidorhynchus cf. eodus</i>		cellular			Brito & Meunier (2000); this study
			† <i>Belonostomus tenuimuris</i>		cellular	cellular		Brito & Meunier (2000); Meunier & Brito (2004)
			† <i>Vimifler comploni</i>		cellular	cellular		Brito & Meunier (2000); Meunier & Brito (2004); this study
	†Pachycormiiformes	†Pachycormiidae	† <i>Enthymonius invogatus</i>		cellular			this study
			† <i>Hypocormus</i> sp.		cellular			this study
			† <i>Lecodichthys problematicus</i>		cellular	cellular		Liston et al. (2013); this study
			† <i>Pachycormus macropterus</i>		cellular	cellular		Meunier & Brito (2004); this study
	†Pholidophoriformes	<i>Incertae sedis</i>	† <i>Pholidophoroidea crenulata</i>		cellular			this study
			† <i>Pholidophoropsis caudalis</i>		cellular			this study
			†cf. <i>Pholidophorus</i> sp.			cellular		Meunier & Brito (2004)
	†Dorsetichthyiformes	†Dorsetichthyidae	† <i>Dorsetichthys bedei</i>		cellular			this study
	<i>Incertae sedis</i>		† <i>Sinemichthys macrocephalus</i>			cellular		Meunier & Brito (2004)
	†Ankylophoridae							
	†Leptolepidiformes	†Ascalabodae	† <i>Ascalabodus roibii</i>		cellular			this study
			† <i>Tharsis dabius</i>		cellular			this study
		†Leptolepididae	† <i>Leptolepis macrophthalmus</i>		cellular			this study
	†Chthyodectiformes	<i>Incertae sedis</i>	† <i>Allothrisops regleyi</i>		cellular			this study
			† <i>Pachythrisops laevis</i>		cellular			this study
			† <i>Thrisops formosus</i>		cellular			this study
		†Chthyodectidae	† <i>Ichthyodectes cf. aenodon</i>		cellular			this study
			† <i>Xiphactinus cf. andax</i>		cellular			this study
<b>Teleostei</b>								
	<i>Incertae sedis</i>	<i>Incertae sedis</i>	† <i>Sorbinichanax verrucosi</i>		cellular			Mayrinck et al. (2017)
	†Crossognathiformes	†Crossognathidae	† <i>Rhacolepis bucaulis</i>		cellular			this study
			† <i>Rhacolepis</i> sp.			cellular		personal observation (NHMUK); this study

Elopomorpha	††Selfatiiformes	†Plethodidae	† <i>Plethodus expansus</i>		cellular		personal observation (NHMUK)
	<i>Incertae sedis</i>	<i>Incertae sedis</i>	† <i>Ozmeroides</i> sp.		cellular	cellular	personal observation (NHMUK); this study
	Albuliformes	Albulidae	<i>Albula vulpes</i>	<i>Butirus macrocephalus</i>	mixed		Moss (1961b)
			<i>Albula vulpes</i>		cellular		Kölliker (1859); this study
			<i>Albula</i> sp.			cellular	personal observation (NHMUK)
			† <i>Labeonichthys gracilis</i>		cellular		this study
			† <i>Isiurus grandis</i>		cellular		this study
	Elopiiformes	<i>Incertae sedis</i>	† <i>Helthyemidion vidali</i>		cellular		this study
		Elopiidae	† <i>Anaethalion angustus</i>		cellular		this study
			† <i>Darichthys garlineri</i>		cellular		this study
			<i>Elops saurus</i>		cellular		Kölliker (1859); this study
			<i>Elops</i> sp.			cellular	personal observation (NHMUK)
		Megalopidae	† <i>Pindarichthys denmaedi</i>		cellular		this study
			<i>Megalops atlanticus</i>			cellular	Meunier & Brito (2004); personal observation (NHMUK)
			<i>Megalops cyprinoides</i>		cellular		Kölliker (1859); Meunier (1987); this study
	Anguilliformes	<i>Incertae sedis</i>	† <i>Enchelurus</i> sp.			cellular	personal observation (NHMUK)
		Anguillidae	† <i>Urenchelys germanus</i>		cellular		this study
			<i>Anguilla anguilla</i>	<i>A. vulgaris</i>	cellular		Kölliker (1859); Stéphan (1900); Lopez (1970); Meunier (1984a); Meunier et al. (2008a); Rolvien et al. (2016); this study
			<i>Anguilla rostrata</i>		cellular		Moss (1965)
		Congridae	<i>Ariosoma</i> sp. (larva)	<i>Helminthichthys punctatus</i>	acellular		1 Kölliker (1859)
			<i>Conger conger</i>		cellular		this study
			? <i>Conger conger</i> (larva)	<i>Lepidoccephalus pellicidus</i>	acellular		1 Kölliker (1859)
		Muraenesocidae	<i>Muraenesox cinereus</i>		cellular		this study
		Muraenidae	<i>Gymnothorax moringa</i>		acellular		Moss (1961b)
			<i>Gymnothorax moringa</i>		cellular		this study
			<i>Muraena helena</i>		cellular		this study
		Nemichthyidae	? <i>Nemichthyidae</i> sp. (larva)	<i>Ocystomus hyalinus</i>	acellular		1 Kölliker (1859)
		Nettastomatidae	<i>Nettastoma melanurum</i> (larva)	<i>Hyoprorus messanensis</i>	acellular		1 Kölliker (1859)
			<i>Nettastoma melanurum</i>		cellular		Kölliker (1859)
		Ophichthidae	<i>Dalophis imberbis</i>	<i>Sphagebranchius imberbis</i>	cellular		Kölliker (1859)
			? <i>Echelus myrus</i>	<i>Conger myrus</i>	cellular		Kölliker (1859)
			<i>Ophichthys</i> sp.		cellular		Moss (1961b)
			<i>Ophichthus serpens</i>		cellular		Kölliker (1859)
		Synbranchiidae	<i>Simenchelys parasitica</i>	<i>Simenchelys</i> sp.	cellular		Stéphan (1900)
			<i>Synbranchichthys</i> sp.		cellular		Stéphan (1900)
Osteoglossomorpha	Hiodontiformes	Hiodontidae	† <i>Eubiodon fulvatus</i>		cellular		this study
			<i>Hiodon alosoides</i>		acellular		Moss (1965)
			<i>Hiodon alosoides</i>	<i>Hyodon claudulus</i>	cellular		Kölliker (1859); this study
			<i>Hiodon tergisus</i>		acellular		Moss (1965)
			<i>Hiodon tergisus</i>		cellular		this study
	Osteoglossiformes	<i>Incertae sedis</i>	† <i>Palaemonopterus greenwoodi</i>		cellular		Meunier et al. (2013b)
		Arapaimidae	<i>Arapaima gigas</i>	<i>Sudis gigas</i>	cellular	cellular	Kölliker (1859); Moss (1961b); Meunier (1987); Meunier & Brito (2004); Meunier et al. (2013a); Buffrénil et al. (2016); this study
			<i>Heterotis niloticus</i>		cellular		Kölliker (1859)
		Notopteridae	<i>Chitala chitala</i>		cellular		this study
			<i>Notopterus notopterus</i>	<i>N. pallasi</i>	cellular		Kölliker (1859); Moss (1965)
		Mormyridae	<i>Hyperpius bebe</i>		cellular		Meunier et al. (2018a)
			<i>Marcusenius cyprinoides</i>	<i>Mormyrus cyprinoides</i>	cellular		Kölliker (1859)
			<i>Mormyrops anguilloides</i>		cellular		Kölliker (1859)
			<i>Mormyrus caschire</i>	<i>M. longipinnis</i>	cellular		Kölliker (1859)
			<i>Mormyrus kannume</i>	<i>M. oscyrynchus</i>	cellular		Kölliker (1859)
			<i>Mormyrus</i> sp.		cellular		Kölliker (1859)
			<i>Petrocphalus bane</i>	<i>Mormyrus bane</i>	cellular		Kölliker (1859)
		Osteoglossidae	† <i>Brychactis muelleri</i>		cellular		this study
			† <i>Laellichthys ancestralis</i>			cellular	Meunier & Brito (2004); Meunier et al. (2013b); Buffrénil et al. (2016)
			<i>Osteoglossum bicirrhosum</i>	<i>O. randellii</i>	cellular	cellular	Kölliker (1859); Meunier (1987); Meunier & Brito (2004); this study
			† <i>Pharodus encastus</i>		cellular		this study
			<i>Scleropyges formosus</i>	<i>Osteoglossum formosum</i>	cellular		Kölliker (1859)
			† <i>Armigatus namoensis</i>		cellular		this study
			† <i>Ellimmichthys longicaudatus</i>		cellular		this study
			† <i>Kribia</i> sp.		cellular		this study
		Chirocentridae	<i>Chirocentrus dorab</i>		cellular		Kölliker (1859); this study
		Clupeidae	<i>Alosa agone</i>	<i>A. finta</i>	cellular		Stéphan (1900)
			<i>Alosa alosa</i>	<i>A. vulgaris</i>	cellular		Kölliker (1859)
			<i>Alosa caspia</i>		cellular		Moss (1965)
			<i>Alosa chrysochloris</i>		cellular		Moss (1965)
			<i>Alosa pseudoharengus</i>		cellular		Moss (1965); this study
			<i>Alosa sapidissima</i>		acellular		2 Moss (1961b)
			<i>Alosa sapidissima</i>		cellular		Moss (1965)
			<i>Brevoortia</i> sp.		cellular		Moss (1961b)
			<i>Clupea harengus</i>		cellular	acellular	Kölliker (1859); Moss (1965); Meunier & Brito (2004)
			<i>Dorsosoma cepedianum</i>	<i>Chatoessus cepedianus</i>	cellular		Kölliker (1859); Moss (1965)
			<i>Dorsosoma petenense</i>		cellular		Moss (1965)
			<i>Jenkinia lampretania</i>		cellular		Moss (1961b)
			<i>Konisisira punctatus</i>	<i>Chatoessus punctatus</i>	cellular		Kölliker (1859)
			<i>Opisbonema oglinum</i>	<i>Melitta thryssa</i>	cellular		Kölliker (1859)
			? <i>Sardinella crassa</i>		cellular		Gaudant & Meunier (1996)
			? <i>Sardinella melanura</i>	<i>Alosa melanura</i>	cellular		Kölliker (1859)
			<i>Sardinops sagax</i>		cellular		this study
		Engraulidae	? <i>Anchoa hepsetus</i>	<i>Engraulis brawleyi</i>	cellular		Kölliker (1859)

			<i>Anchoviella</i> sp.		acellular	Moss (1961b)
			<i>Coilia grayii</i>		cellular	Kölliker (1859)
			<i>Coilia</i> sp.		acellular	personal observation (NHMUK)
			<i>Eggenidis encrasiolus</i>		cellular	Kölliker (1859)
		Pristigasteridae	<i>Odontogastus mucronatus</i>	<i>Gnathobolus mucronatus</i>	cellular	Kölliker (1859)
			<i>Pellina</i> sp.		acellular	personal observation (NHMUK)
			<i>Pristigaster</i> sp.		cellular	Kölliker (1859)
Ostariophysi	Alepocephaliformes	Alepocephalidae	<i>Alepocephalus rostratus</i>		cellular	Kölliker (1859)
	Gonorhynchiformes	Chanidae	<i>Chanis chanis</i>	<i>Latodaira chanis</i>	cellular	Kölliker (1859)
			† <i>Tharrhis araripes</i>		cellular	this study
		Gonorhynchidae	<i>Gonorhynchus</i> sp.		acellular	personal observation (NHMUK)
	Cypriniformes	Acheilognathidae	<i>Rhodeus amarus</i>		cellular	Kölliker (1859)
		Catostomidae	<i>Catostomus catostomus</i>		cellular	Moss (1965)
			<i>Catostomus columbianus</i>		cellular	Moss (1965)
			<i>Catostomus commersonii</i>		cellular	Moss (1965); this study
			<i>Catostomus platyrhynchus</i>	<i>Pantosteus delphinus</i>	cellular	Moss (1965)
			<i>Catostomus plebeius</i>	<i>Pantosteus plebeius</i>	cellular	Moss (1965)
			<i>Catostomus</i> sp.		cellular	Kölliker (1859)
			<i>Cyprinus elongatus</i>		cellular	Moss (1965)
			<i>Erimyzon oblongus</i>		cellular	Moss (1965)
			<i>Erimyzon sucetta</i>	<i>E. sinetta kennerti</i>	cellular	Moss (1965)
			<i>Hypentelium nigricans</i>		cellular	Moss (1965)
			<i>Latesus cyprinellus</i>	? <i>Megartomatobus cyprinella</i>	cellular	Moss (1965)
			<i>Latesus niger</i>		cellular	Moss (1965)
			<i>Moxostoma erythrorum</i>		cellular	Moss (1965)
			<i>Moxostoma macrocephalum</i>	<i>M. aureolum</i>	cellular	Moss (1965)
		Cobitidae	<i>Chromobotia macracanthus</i>	<i>Botia macracantha</i>	cellular	Moss (1965)
			<i>Misgurnus anguillicaudatus</i>		cellular	Moss (1961b)
			<i>Synbranchis hymenophysa</i>	<i>Botia hymenophysa</i>	cellular	Moss (1965)
		Cyprinidae	<i>Barbodes everetti</i>	<i>Barbus everetti</i>	cellular	Moss (1961b)
			<i>Barbus barbus</i>	<i>B. vulgaris</i>	cellular	Kölliker (1859); Meunier & Herbin (2014)
			<i>Carassius auratus</i>	<i>Cyprinus auratus</i>	cellular	Stéphan (1900); Moss (1961b)
			<i>Cyprinus carpio</i>		acellular	Kölliker (1859); Stéphan (1900); Moss (1961b); Meunier (1984a, 1987); Meunier et al. (2008a); Cohen et al. (2012); this study
			<i>Labeo niloticus</i>		cellular	Kölliker (1859)
			<i>Laboobarbus intermedius</i>	<i>Barbus elongatus</i>	cellular	Kölliker (1859)
			<i>Laboobarbus ocellatus</i>	<i>Dangila ocellata</i>	cellular	Moss (1965)
			<i>Myxalaolencus obtusirostris</i>	<i>Barbus marginatus</i> , <i>B. obtusirostris</i>	cellular	Kölliker (1859)
			<i>Osteichilus microcephalus</i>	<i>Dangila lipochela</i>	cellular	Kölliker (1859)
			<i>Pelusia conchoniis</i>	<i>Barbus conchoniis</i>	cellular	Moss (1961b)
		Danionidae	<i>Danio rerio</i>		acellular	Sire et al. (2009); Cao et al. (2011); Brunel & Witten (2015)
			<i>Danio rerio</i>		mixed	Weigle & Franz-Odenaal (2016)
		Gobiionidae	<i>Gobio gobio</i>	<i>G. fluviatilis</i>	cellular	Kölliker (1859)
		Leuciscidae	<i>Abramis brama</i>		cellular	this study
			<i>Alburnoides bipunctatus</i>	<i>Aspius bipunctatus</i>	cellular	Kölliker (1859)
			<i>Alburnus alburnus</i>	<i>A. lucidus</i>	cellular	Kölliker (1859)
			<i>Algansea tinella</i>	<i>Leuciscus tinella</i>	cellular	Kölliker (1859)
			<i>Blicca byoerkena</i>	<i>Abramis blicca</i>	cellular	Kölliker (1859)
			<i>Campostoma anomulum</i>		cellular	Moss (1965)
			<i>Gila atraria</i>		cellular	Moss (1965)
			<i>Gila nigrescens</i>		cellular	Moss (1965)
			<i>Hesperoleucus symmetricus</i>		cellular	Moss (1965)
			<i>Leuciscus aspius</i>	<i>Aspius aspius</i>	cellular	Currey et al. (2017)
			<i>Leuciscus idus</i>		cellular	Moss (1965)
			<i>Leuciscus cornutus</i>	<i>Notempius cornutus frontalis</i>	cellular	Moss (1965)
			<i>Meda fulgida</i>		cellular	Moss (1965)
			<i>Mypharodon concephalus</i>		cellular	Moss (1965)
			<i>Nocomis micropogon</i>	<i>Hybopsis micropogon</i>	cellular	Moss (1965)
			<i>Notemigonus crysoleucas</i>		cellular	Moss (1961b); Moss (1965)
			<i>Notropis sallaci</i>	<i>Aeizcula sallaci</i>	cellular	Moss (1965)
			<i>Notropis volucellus</i>		cellular	Moss (1965)
			<i>Phenacobius mirabilis</i>		cellular	Moss (1965)
			<i>Ploceinus ploceinus</i>	<i>P. laevis</i>	cellular	Kölliker (1859)
			<i>Pimephales promelas</i>		cellular	Moss (1965)
			<i>Platygobio gracilis</i>		cellular	Moss (1965)
			<i>Pseudaspius bakonensis</i>	<i>Acahara bakonensis</i>	cellular	Moss (1965)
			<i>Psychocheilus grandis</i>		cellular	Moss (1965)
			<i>Rhinichthys atratulus</i>		cellular	Moss (1965)
			<i>Rutilus rutilus</i>		acellular	2 Moss (1961b)
			<i>Rutilus rutilus</i>	<i>Leuciscus rutilus</i>	cellular	Kölliker (1859)
			<i>Semotilus atromaculatus</i>		cellular	Moss (1965)
			<i>Semotilus corporalis</i>	<i>Leucostomus corporalis</i>	cellular	Moss (1965)
			<i>Siphates bicolor</i>	<i>S. obscurus carus</i>	cellular	Moss (1965)
			<i>Tampichelys rasconis</i>	<i>Dionda rasconis</i>	cellular	Moss (1965)
			<i>Telestes souffia</i>	<i>Chondrostoma risella</i>	cellular	Kölliker (1859)
			<i>Zacco platypus</i>		cellular	Moss (1965)
		Nemacheilidae	<i>Barbatula barbatula</i>	<i>Nemacheilus barbatulus</i>	cellular	Kölliker (1859); Moss (1965)
		Tincidae	<i>Tinca tinca</i>	<i>T. chrysis</i>	cellular	Kölliker (1859); Meunier & Herbin (2014); this study
		Alestidae	<i>Alestes dentex</i>		cellular	Kölliker (1859)
Characiformes			<i>Hydrocynus forskahlii</i>	<i>Hydrocynon forskahlii</i>	cellular	Kölliker (1859)

	Anostomidae	<i>Leporinus friderici</i>		cellular	Meunier (1987)
		<i>Leporinus</i> sp.		cellular	Kölliker (1859)
	Bryconidae	<i>Brycon guatemalensis</i>		cellular	Moss (1965)
		<i>Brycon</i> sp.		cellular	Kölliker (1859)
	Characidae	<i>Astyanax mexicanus</i>	<i>Tetragonomus mexicanus</i>	cellular	Kölliker (1859); Moss (1965)
		<i>Chirodon</i> sp.		cellular	Kölliker (1859)
		<i>Hypoclinerycon compressus</i>		cellular	Moss (1965)
		<i>Rochéides bouchelei</i>	<i>R. salvadoris</i>	cellular	Moss (1965)
	Chilodontidae	<i>Chilodus punctatus</i>		cellular	Moss (1961b)
	Citharinidae	<i>Citharus citharus</i>	<i>C. gressfyji</i>	cellular	Kölliker (1859)
	Ctenolucidae	<i>Ctenolucius beani</i>	<i>Laciocharax beani</i>	cellular	Moss (1965)
	Curimatidae	? <i>Curimata cyprinoides</i>	<i>Anodus cyprinoides</i>	cellular	Kölliker (1859)
		<i>Steindachnerina dobula</i>	<i>Curimatus nasus</i>	cellular	Moss (1965)
	Cynodontidae	<i>Hydrolycus scomberoides</i>		cellular	this study
	Distichodontidae	<i>Distichodus nefasch</i>	<i>D. niloticus</i>	cellular	Kölliker (1859)
	Erythrinidae	<i>Hoplerethrinus unitaeniatus</i>	<i>Erythrinus unitaeniatus</i>	cellular	Kölliker (1859)
		<i>Hoplias malabaricus</i>	<i>Macrodon trahira</i>	cellular	Kölliker (1859); Moss (1965); this study
	Gasteropelecidae	<i>Gasteropelecus sternicla</i>		cellular	Kölliker (1859)
	Ignanolectidae	<i>Piabucus</i> sp.	<i>Piabuca bimaculata</i>	cellular	Kölliker (1859)
	Prochilodontidae	<i>Prochilodus nigricans</i>	<i>Paca nigricans</i>	cellular	Kölliker (1859); Moss (1965)
		<i>Semaprochilodus taeniurus</i>	<i>Paca taeniurus</i>	cellular	Kölliker (1859)
	Serrasalminae	<i>Mylius rhomboidalis</i>	<i>Prinosmylius rhomboidalis</i>	cellular	Meunier et al. (2008a)
		<i>Myloplus ternetzi</i>	<i>Mylius ternetzi</i>	cellular	Meunier et al. (2008a)
		<i>Serrasalmus spilopleura</i>		cellular	this study
	Triportheidae	<i>Triportheus angulatus</i>		cellular	Moss (1965)
		<i>Triportheus rotundatus</i>		cellular	Meunier (1987)
Siluriformes	Ariidae	<i>Arius</i> sp.		cellular	Kölliker (1859)
		<i>Ariopsis felis</i>		cellular	this study
		<i>Cathorops melanopus</i>	<i>Arius melanopus</i>	cellular	Moss (1965)
		<i>Galeichthys feliceps</i>		cellular	this study
		<i>Sciades parkeri</i>	<i>Arius parkeri</i>	cellular	Meunier et al. (2008a)
		<i>Sciades proops</i>	<i>Arius proops</i>	cellular	Lecomte et al. (1989); Meunier et al. (2008a)
	Aspredinidae	<i>Aspredo aspredo</i>	<i>A. laevis</i>	cellular	Kölliker (1859)
	Auchenipteridae	<i>Pseudanchipterus nodosus</i>	<i>Anchipterus furcatus</i>	cellular	Kölliker (1859)
	Bagridae	<i>Bagrus</i> sp.		cellular	Kölliker (1859)
	Callichthyidae	<i>Callichthys</i> sp.		cellular	Kölliker (1859)
		<i>Corydoras aeneus</i>		cellular (scute)	Moss (1961b); Sire & Meunier (1993); Sire et al. (2009)
		<i>Corydoras elegans</i>		cellular	Moss (1961b)
		<i>Corydoras julii</i>		cellular	Moss (1961b)
		<i>Corydoras melanistius</i>		cellular	Sire & Meunier (1993)
		<i>Corydoras rubanti</i>		cellular	Moss (1961b)
		<i>Hoplosternum bitonale</i>		cellular	Sire & Meunier (1993); Meunier et al. (2002)
		<i>Megalechis thoracata</i>	<i>Hoplosternum thoracatum</i>	cellular	Moss (1961b)
	Chacidae	<i>Chaca chaca</i>	<i>C. lephoides</i>	cellular	Kölliker (1859)
	Clariidae	<i>Clarias anguillaris</i>	<i>Heterobranchius anguillaris</i>	cellular	Kölliker (1859)
		<i>Clarias batrachus</i>		cellular	Moss (1965)
		<i>Clarias fuscus</i>		cellular	Kölliker (1859)
		<i>Chrysidichthys</i> sp.		cellular	Meunier & Herbin (2014)
	Claroteidae	<i>Platyodus costatus</i>		cellular	Sire & Meunier (1993)
	Doradidae	<i>Pimelodella gracilis</i>		cellular	this study
	Heptapteridae	<i>Rhamdia guatemalensis</i>		cellular	Moss (1965)
		<i>Rhamdia parryi</i>		cellular	Moss (1965)
		<i>Heteropneustes fossilis</i>		cellular	Kölliker (1859)
	Heteropneustidae	<i>Ameiurus melas</i>	<i>Itatirus melas</i>	cellular	Meunier (1984a)
	Ictaluridae	<i>Itatirus punctatus</i>		cellular	Moss (1965)
		<i>Itatirus</i> sp.		cellular	Moss (1961b)
		<i>Noturus flarus</i>		cellular	Moss (1965)
		<i>Pybalitis olivaris</i>		cellular	Moss (1965)
	Loricariidae	<i>Ancistrus</i> sp.	<i>Xenocara</i> sp.	cellular	Moss (1961b)
		<i>Dasyloricaria filamentosa</i>	<i>Loricaria filamentosa</i>	cellular	Moss (1961b)
		<i>Harttia surinamensis</i>		cellular	Sire & Meunier (1993)
		<i>Loricaria cataphracta</i>		cellular	Kölliker (1859)
		<i>Loricaria parnalybae</i>		cellular	Sire & Meunier (1993)
		<i>Otocinclus</i> sp.		cellular	Moss (1961b)
		<i>Pterogoplichthys disjunctivus</i>	<i>Liposarcus disjunctivus</i>	cellular	Sire & Meunier (1993)
		sp.	<i>Plosostomus</i> sp.	cellular	Moss (1961b)
	Malapteruridae	<i>Malapterurus beninensis</i>		cellular	Kölliker (1859)
		<i>Malapterurus electricus</i>		cellular	Kölliker (1859)
	Moehokidae	<i>Synodontis clarius</i>	<i>Pimelodus clarius</i>	cellular	Moss (1965)
		<i>Synodontis schall</i>		cellular	Stéphan (1900)
		<i>Synodontis serratus</i>		cellular	Kölliker (1859)
	Pimelodidae	<i>Pimelodus</i> sp.		cellular	Kölliker (1859)
	Plotosidae	<i>Plotosus canius</i>	<i>P. nnicolor</i>	cellular	Kölliker (1859)
	Schilbeidae	<i>Schilbe mystus</i>		cellular	Kölliker (1859); Moss (1965)
	Siluridae	<i>Kryptopterus bicirrhus</i>	<i>Silurus bicirrhus</i>	cellular	Kölliker (1859)
		<i>Silurus glanis</i>		cellular	Kölliker (1859)
	Trichomycteridae	<i>Trichomycterus</i> sp.		acellular	this study
		<i>Trichomycterus punctulatus</i>		acellular	Kölliker (1859)
Gymnotiformes	Apteronotidae	<i>Apteronotus albifrons</i>	<i>Stenarchus albifrons</i>	cellular	Moss (1961b)

			<i>Apteranotus cuculliflo</i>	<i>Sternarchogobio cuculliflo</i>	<b>cellular</b>		Moss (1965)
	Gymnotidae		<i>Electrophorus electricus</i>	<i>Gymnotus electricus</i>	<b>cellular</b>		Kölliker (1859)
			‡ <i>Gymnotus</i> sp.	<i>Carapax brachyurus</i>	<b>cellular</b>		Kölliker (1859)
			<i>Gymnotus carapo</i>		<b>cellular</b>		this study
	Hypopomidae		<i>Brachyhypopomus brevirostris</i>	<i>Hypopomus brevirostris</i>	<b>cellular</b>		Moss (1965)
<b>Euteleostei</b>							
	Argentiniformes	Argentinidae	<i>Argentina silus</i>		<b>cellular</b>	acellular	Kölliker (1859); personal observation (NHMUK)
	Galaxiiformes	Galaxiidae	<i>Galaxias truttaceus</i>		acellular		Kölliker (1859)
			<i>Galaxias vulgaris</i>		acellular		Moss (1965)
	‡Esociformes	<i>Incertae sedis</i>	† <i>Thaumaturus intermelius</i>		acellular		Gaudant & Meunier (2004)
	Esociformes	Esocidae	<i>Esoc americanus</i>		acellular		Moss (1961b)
			<i>Esoc lucius</i>		acellular	acellular	Williamson (1851); Kölliker (1859); Amprino & Godina (1956); Moss (1961b); Moss (1965); Meunier (1984a, 1987); Meunier et al. (2008a)
		Umbridae	<i>Dallia pectoralis</i>		acellular		Moss (1965)
			<i>Umbrina krameri</i>		acellular		Kölliker (1859)
			<i>Umbrina limi</i>		acellular		Moss (1965)
	‡Salmoniformes	<i>Incertae sedis</i>	† <i>Spaniodon elongatus</i>		<b>cellular</b>		this study
	Salmoniformes	Salmonidae – Coregoninae	<i>Coregonus oxyrinchus</i>		<b>cellular</b>		Stéphan (1900)
			<i>Coregonus reighardi</i>		<b>cellular</b>		this study
			<i>Coregonus</i> sp.		acellular		personal observation (NHMUK)
			<i>Prosopium gemmifer</i>	<i>Leucichthys gemmifer</i>	<b>cellular</b>		Moss (1965)
			† <i>Prosopium prulicis</i>		<b>cellular</b>		this study
			<i>Prosopium williamsoni</i>		<b>cellular</b>		this study
			<i>Stenodus leucichthys</i>		<b>cellular</b>		this study
		Salmonidae – Salmoninae	<i>Oncorhynchus clarkii</i>		<b>cellular</b>		this study
			† <i>Oncorhynchus lacustris</i>		<b>cellular</b>		this study
			<i>Oncorhynchus mykiss</i>	<i>Salmo gairdnerii viridens</i>	<b>cellular</b>	acellular	Moss (1965); Meunier (1987); this study
			<i>Oncorhynchus tshawytscha</i>		<b>cellular</b>		this study
			† <i>Paleocheilichthys</i>		<b>cellular</b>		this study
			<i>Paralichthys oblongus</i>		<b>cellular</b>		this study
			<i>Salmo salar</i>		<b>cellular</b>		Kölliker (1859); Moss (1965); Hughes et al. (1994); Witten & Hall (2002); Totland et al. (2011); this study
			<i>Salmo trutta</i>	<i>S. fario</i>	<b>cellular</b>		Kölliker (1859); Stéphan (1900); this study
			<i>Salmo</i> sp.		acellular		personal observation (NHMUK)
			<i>Salvelinus confluentus</i>		<b>cellular</b>		this study
			<i>Salvelinus fontinalis</i>		<b>cellular</b>		Moss (1961b); Moss (1965); this study
			<i>Salvelinus namaycush</i>		<b>cellular</b>		this study
		Salmonidae – Thymallinae	<i>Thymallus thymallus</i>		acellular		this study
			<i>Thymallus</i> sp.		acellular	acellular	personal observation (NHMUK)
Stomiati	Osmeriformes	Osmeridae	<i>Osmerus mordax</i>		acellular		Moss (1961b)
			<i>Hypomesus pretiosus</i>		acellular		Moss (1965)
			<i>Thalichthys pacificus</i>		acellular		Moss (1965)
	Stomiiformes	Gonostomatidae	<i>Gonostoma denudatum</i>		acellular		Kölliker (1859)
		Phosichthyidae	<i>Vinciguerra poweriae</i>	<i>Ichthyococcus poweriae</i>	acellular		Kölliker (1859)
		Sternopychidae	<i>Argyropelecus hemigrammus</i>		acellular		Kölliker (1859)
		Stomiidae	<i>Borostomias panamensis</i>		acellular		Germain et al., in press
			<i>Chauliodus sloani</i>	<i>C. scintosus</i>	acellular		Kölliker (1859)
			<i>Stomias boa</i>	<i>S. barbatus</i>	acellular		Kölliker (1859); Germain et al., in press
<b>Neoteleostei</b>							
	Aulopiformes	<i>Incertae sedis</i>	† <i>Eurypholis</i> sp.		acellular		Davesne et al. (2018)
		Aulopidae	<i>Aulopus filamentosus</i>	<i>Sauris lucerta</i>	acellular		Kölliker (1859)
			<i>Aulopus</i> sp.		acellular	acellular	personal observation (NHMUK)
		Evermannellidae	<i>Evermannella balbo</i>	<i>Odontostoma balbo</i>	acellular		Kölliker (1859)
		Synodontidae	<i>Synodus</i> sp.		acellular		Moss (1961b)
	Myctophiformes	Myctophidae	<i>Notoscopelus elongatus</i>	<i>Myctophum elongatum</i>	acellular		Kölliker (1859)
	†Ctenothrissiformes	†Ctenothrissidae	† <i>Ctenothrissa vesilifer</i>		acellular		Davesne et al. (2018)
<b>Acanthomorpha</b>							
	<i>Incertae sedis</i>	<i>Incertae sedis</i>	† <i>Pycnostomus levispinosus</i>		acellular		Davesne et al. (2018)
	Lampridiformes	<i>Incertae sedis</i>	† <i>Aipichthys</i> † <i>reilifer</i>		acellular		Davesne et al. (2018)
		Lampridae	<i>Lampris</i> sp.		<b>cellular</b>		Davesne et al. (2018); this study
		Regalecidae	<i>Regalecus russellii</i>	<i>T. spinolae</i> , <i>T. taenia</i>	acellular		3 Paig-Tran et al. (2016)
		Trachipteridae	<i>Trachipterus trachipterus</i>	<i>Trachipterus repandus</i>	acellular		Kölliker (1859)
			<i>Zu cristatus</i>		acellular		Kölliker (1859)
		Veliferidae	<i>Metavelifer multiradiatus</i>		acellular		this study
			<i>Velifer hypselopterus</i>		acellular		Davesne et al. (2018)
			† <i>Omosoma</i> sp.		acellular		Davesne et al. (2018)
	Polymixiiformes	Polymixiidae	<i>Polymixia</i> sp.		acellular	acellular	personal observation (NHMUK)
			<i>Polymixia nobilis</i>		acellular		this study
	Percopsiformes	Amblyopsidae	<i>Amblyopsis spelaea</i>		acellular		Kölliker (1859); Moss (1965)
		Aphredoderidae	<i>Aphredoderus sayanus</i>		acellular		Moss (1965)
		Percopsidae	<i>Percopsis omiscomaycus</i>		acellular		Moss (1965)
	Zeiformes	Zeidae	<i>Zelus faber</i>		acellular	acellular (bony scutes)	Kölliker (1859); Meunier & Béarez (2019)
	Gadiformes		various Gadiformes		acellular	acellular	Khemiri et al. (2001)
		Gadidae	<i>Gadus morhua</i>		acellular		Kölliker (1859); Moss (1961b)
			<i>Melanogrammus aeglefinus</i>	<i>Gadus aeglefinus</i>	acellular		Kölliker (1859)
		Lotidae	<i>Gaidropsarus mediterraneus</i>	<i>Motella trachirhata</i>	acellular		Kölliker (1859)
			<i>Lota lota</i>	<i>L. lacustris</i> , <i>L. vulgaris</i>	acellular		Kölliker (1859); Amprino & Godina (1956); Moss (1965)
		Macrouridae	<i>Coelorhynchus caelorhynchus</i>		acellular		Meunier (1984a); Meunier et al. (2008a)
			<i>Coryphaenoides zaniophorus</i>		acellular		Meunier et al. (2008a)
			<i>Nezumia aequalis</i>		acellular		Meunier (1984a)
			<i>Trachyrhynchus scabratus</i>	<i>Lepidoleprus trachyrhynchus</i>	acellular		Kölliker (1859)

Pelagaria	Trachichthyiformes	Merlucciidae	<i>Merluccius merluccius</i>		acellular	Amprino & Godina (1956)	
		<i>Inertae sedis</i>	† <i>Ariogaster beckeli</i>		acellular	Davesne et al. (2018)	
		Monocentridae	<i>Cleidophas gloriamaris</i> <i>Monocentris japonica</i>		acellular	Meunier & Saur (2007) Kölliker (1859)	
	Holocentridae	<i>Holocentrus adscensionis</i>		acellular	Moss (1961b)		
	Ophidiiformes	Carapidae	<i>Carapus acus</i> <i>Carapus bermudensis</i>	<i>Vivaxfer imberbis</i>	acellular	Kölliker (1859) Moss (1961b)	
	Batrachoidiformes	Ophidiidae	<i>Ophidion barbatum</i>		acellular	Kölliker (1859); Khemiri et al. (2001)	
		Batrachoididae	<i>Opsanus tau</i>	<i>Batrachus tau</i>	acellular	Kölliker (1859); Simmons et al. (1970)	
		Centrolophidae	<i>Centrolophus niger</i>	<i>C. pomplius</i>	acellular	Kölliker (1859)	
			<i>Hyperophyle</i> sp.	<i>Palunurchilys</i> sp.	acellular	Meunier 1987	
		Scombidae – Gasterochismatinae	<i>Gasterochisma melampus</i>		acellular	this study	
		Scombidae – Scobrini	<i>Scomber australasicus</i> <i>Scomber scombrus</i>		acellular	this study Kölliker (1859); Amprino & Godina (1956)	
		Scombidae – Scomberomoni	<i>Acanthocephalus solandri</i> <i>Scomberomorus carulla</i> <i>Scomberomorus maculatus</i>		acellular	this study Moss (1961b) Moss & Posner (1960); Moss (1961b)	
		Scombidae – Sardini	<i>Gymnosarda unicolor</i> <i>Sarda orientalis</i>		acellular	this study this study	
		Scombidae – Thunnini	<i>Axciis rochei</i> <i>Euthynnus affinis</i> <i>Euthynnus alletteratus</i> <i>Euthynnus lineatus</i> <i>Katsuwonus pelamis</i> <i>Katsuwonus pelamis</i>	<i>A. bisus</i> <i>Euthynnus pelamis</i>	acellular	Kölliker (1859) Meunier et al. (2008a); this study Amprino & Godina (1956) Béarez et al. (2005)	
			<i>Thunnus alalunga</i> <i>Thunnus albacares</i> <i>Thunnus obesus</i> <i>Thunnus thynnus</i> <i>Thunnus</i> sp.	<i>Thynnus vulgaris</i>	acellular	2 Moss (1961b) Meunier (1984a); Meunier & Huysseune (1992); Meunier et al. (2008a) Kölliker (1859); Meunier & Sire (1981); Meunier (1984a, 1987); Meunier et al. (2008) Meunier et al. (2008)	
		<i>Peprilus triacanthus</i> <i>Tetragonurus cavieri</i>	<i>Poronotus triacanthus</i>	acellular	2 Moss (1961b) Moss (1961b)		
	Syngnatharia	Tetragonuridae	<i>Lepidopus albyi</i>		acellular	4 Meunier et al. (2010)	
			<i>Lepidopus caudatus</i> <i>Trichurus lepturus</i>	<i>L. argyreus</i> <i>T. haumela</i>	acellular	Kölliker (1859) Kölliker (1859); Meunier et al. (2010)	
			<i>Aulostomus chinensis</i>		acellular	Kölliker (1859)	
Callionymidae		<i>Callionymus pusillus</i>	<i>C. laepta</i>	acellular	Kölliker (1859)		
		Centriscidae	<i>Centriscus scutatus</i> <i>Macromplusus scolopax</i>	<i>Amphisole scutata</i> <i>Centriscus scolopax</i>	acellular	Kölliker (1859) Kölliker (1859)	
Dactylopteridae		<i>Dactylopterus volitans</i>		acellular	Kölliker (1859)		
Fistulariidae		<i>Fistularia petimba</i> <i>Fistularia tabacaria</i>	<i>F. immaculata</i>	acellular	Kölliker (1859) Kölliker (1859)		
		Mullidae	<i>Mullus barbatus</i>		acellular	Kölliker (1859)	
Pegasidae		<i>Eurypegasus draconis</i>	<i>Pegasus draco</i>	acellular	Kölliker (1859)		
Syngnathidae		<i>Hippocampus erectus</i> <i>Hippocampus guttulatus</i>	<i>H. ludonius</i>	acellular	Moss (1961b) Kölliker (1859)		
		<i>Microphis lineatus</i> <i>Syngnathus typhle</i> <i>Syngnathus</i> sp.	<i>Oostethus lineatus</i>	acellular	Moss (1965) Kölliker (1859) Moss (1961b)		
Gobiaria		Gobiiformes	Eleotridae	<i>Bufo hameralis</i>	<i>Eleotris hameralis</i>	acellular	Kölliker (1859)
			Gobiidae	<i>Dormitator maculatus</i> <i>Acanthogobius flarimanus</i>		acellular	Moss (1965) Kölliker (1859)
		<i>Gobius eruentatus</i> <i>Gobius niger</i> <i>Gobius pagantilus</i>	<i>G. longiradiatus</i> <i>G. capito</i>	acellular	Kölliker (1859) Kölliker (1859) Kölliker (1859)		
		<i>Tacnioides anguillararis</i> <i>Trypauchen vagina</i> sp.	<i>Amblyopus bermannianus</i>	acellular	Kölliker (1859) Kölliker (1859) Moss (1961b)		
	Kurtiformes	Apogonidae	<i>Apogon imberbis</i> <i>Astrapogon stellatus</i>	<i>A. reconditorum</i> <i>Apogon stellatus</i>	acellular	Kölliker (1859) Moss (1961b)	
		Anabantiformes	Anabantidae	<i>Anabas testudineus</i>	acellular	Kölliker (1859); Moss (1965)	
	Anabantaria	Channidae	<i>Channa asiatica</i> <i>Channa gachua</i> <i>Channa striata</i>	<i>C. ocellata</i> <i>Ophiophas gachua</i> <i>Ophiophas striatus</i>	acellular	Moss (1965) Moss (1965) Kölliker (1859)	
			Helostomatidae	<i>Helostoma temminckii</i>		acellular	Kölliker (1859); Moss (1961b); Moss (1965)
		Ospchronemidae	<i>Belontia hasselti</i> <i>Sandelia capensis</i> <i>Trichopodus trichopterus</i>	<i>Polyacanthus hasselti</i> <i>Spiribranchius capensis</i>	acellular	Kölliker (1859) Kölliker (1859) Kölliker (1859)	
		Synbranchiformes	Mastacembelidae	<i>Macragnathus circumcinctus</i> <i>Macragnathus pancalus</i>	<i>Mastacembelus circumcinctus</i> <i>Mastacembelus pancalus</i>	acellular	Moss (1965) Kölliker (1859)
Synbranchidae			<i>Monopterus albus</i> <i>Monopterusuchia</i> <i>Synbranchius marmoratus</i>	<i>M. javanicus</i> <i>Amphipneusuchia</i> <i>S. immaculatus</i>	acellular	Kölliker (1859) Kölliker (1859) Kölliker (1859); Moss (1965)	
Carangaria		<i>Inertae sedis</i>	Polyneimidae	<i>Polyneemus paralisens</i>	acellular	Kölliker (1859)	
			Sphyracnidae	<i>Sphyracna barracuda</i>	acellular	Kölliker (1859); Moss (1961b)	
		Toxotidae	<i>Toxotes chalarus</i> <i>Toxotes jaculatrix</i>		acellular	Moss (1965) Kölliker (1859)	
Carangiformes		Carangidae	<i>Carangoides bartholomaei</i>	<i>Caranx bartholomaei</i>	acellular	Moss (1961b)	

		<i>Caranx hippos</i>	<i>C. carangus</i>	acellular	Kölliker (1859)
		<i>Caranx latus</i>		acellular	3 Smith-Vaniz et al. (1995)
		<i>Elegatis bipinnulata</i>		acellular	Moss (1961b)
		<i>Naucrates ductor</i>		acellular	Kölliker (1859)
		<i>Oligoplites saurus</i>	<i>Chorinemus saltans</i>	acellular	Kölliker (1859)
		<i>Selene bramanii</i>	<i>Vomer bramanii</i>	acellular	Kölliker (1859)
		<i>Selene romeri</i>	<i>Argyreusius romeri</i>	acellular	Kölliker (1859)
		<i>Seriola</i> sp.		acellular	Kölliker (1859)
		<i>Trachinotus oratus</i>	<i>Lichia glauca</i>	acellular	Kölliker (1859)
		<i>Trachurus mediterraneus</i>		acellular	Meunier et al. (2008a)
		<i>Trachurus trachurus</i>	<i>Caranx trachurus</i>	acellular	4 Kölliker (1859); Desse et al. (1981); Meunier (1984a); this study
	Coryphaenidae	<i>Coryphaena hippurus</i>	<i>Lampagus siculus</i>	acellular	Kölliker (1859); Moss (1961b)
	Echeneidae	<i>Echeneis naucrates</i>		acellular	Moss (1961b)
		<i>Remora remora</i>	<i>Echeneis remora</i>	acellular	Kölliker (1859)
	Rachycentridae	<i>Rachycentron canadum</i>		acellular	Moss (1961b)
Istiophoriformes	Istiophoridae	<i>Istiophorus altivans</i>	<i>I. americanus</i>	acellular	Moss (1961b); Atkins et al. (2014)
		<i>Kajikia albidia</i>		acellular	Atkins et al. (2014); this study
		<i>Makaira nigricans</i>	<i>M. ampla</i>	acellular	Moss (1961b); Atkins et al. (2014)
		<i>Tetrapturus angustirostris</i>		acellular	Atkins et al. (2014)
		<i>Tetrapturus belone</i>		acellular	Kölliker (1859)
		<i>Xiphias gladius</i>		acellular	Kölliker (1859); Amprino & Godina (1956); Atkins et al. (2014); this study
Pleuronectiformes	Xiphiidae	<i>Trinectes maculatus</i>	<i>Achirus mollis</i>	acellular	Kölliker (1859); Moss (1965)
	Achiridae	<i>Bothus podas</i>	<i>Rhombus podas</i>	acellular	Kölliker (1859)
	Bothidae	<i>Symphurus</i> sp.	<i>Plagusia</i> sp.	acellular	Kölliker (1859)
	Cynoglossidae	<i>Ancylopetta</i> sp.		acellular	Moss (1961b)
	Paralichthyidae	<i>Paralichthys</i> sp.		acellular	Moss (1961b)
		<i>Platichthys flesus</i>	<i>Platessa flesus</i>	acellular	Kölliker (1859)
	Pleuronectidae	<i>Pseudopleuronectes americanus</i>		acellular	Moss (1961b)
		<i>Scophthalmus maximus</i>	<i>Rhombus maximus</i>	acellular	Kölliker (1859)
	Soleidae	<i>Solea solea</i>	<i>Solea vulgaris</i>	acellular	Amprino & Godina (1956)
Ovalentaria	<i>Incertae sedis</i>	<i>Parambasis wolffii</i>	<i>Chanda wolffii</i>	acellular	Moss (1965)
	Ambassidae	<i>Hysterolepis traskii</i>		acellular	Moss (1965)
	Embiotocidae	<i>Monocentrus polyacanthus</i>		acellular	Moss (1961b)
	Polycentridae	<i>Abudefduf saxatilis</i>		acellular	Moss (1961b)
	Pomacentridae	<i>Abudefduf vaigiensis</i>	<i>Glyphiodon nhatii</i>	acellular	Kölliker (1859)
		<i>Amphiprion frenatus</i>		acellular	Moss (1961b)
		<i>Amphiprion percula</i>		acellular	Moss (1961b)
		<i>Chromis chromis</i>	<i>Helases castaneus</i>	acellular	Kölliker (1859)
		<i>Dasyllus aruanus</i>		acellular	Kölliker (1859)
		<i>Stegastes fuscus</i>	<i>Pomacentrus fuscus</i>	acellular	Kölliker (1859); Moss (1961b)
		<i>Stegastes leucostictus</i>	<i>Eupomacentrus leucostictus</i>	acellular	Moss (1961b)
	Cichliformes	<i>Andinoacara latifrons</i>	<i>Aequidens latifrons</i>	acellular	Moss (1961b)
		<i>Crotophaga surinamensis</i>	<i>Chromis surinamensis</i>	acellular	Kölliker (1859)
		<i>Haplochromis elegans</i>	<i>Astatotilapia elegans</i>	acellular	Huysseune (1986)
		<i>Hemichromis bimaculatus</i>		acellular	Meunier (1987)
		<i>Herichthys deppii</i>	<i>Cichla deppii</i>	acellular	Kölliker (1859)
		<i>Oreochromis aureus</i>		acellular	Cohen et al. (2012)
		<i>Oreochromis niloticus</i>	<i>Chromis nilotica</i> , <i>Tilapia nilotica</i>	acellular	Kölliker (1859); Meunier et al. (2008a)
		<i>Pterophyllum scalare</i>	<i>P. eimekei</i>	acellular	Moss (1961b)
		<i>Samotherodon melanosternum</i>	<i>Tilapia macrocephala</i>	acellular	Moss (1961b)
		<i>Vieja maculicauda</i>	<i>Cichlosoma maculicauda</i>	acellular	Moss (1965)
	Atheriniformes	<i>Atherina presbyter</i>	<i>A. vulgaris</i>	acellular	Kölliker (1859)
	Atherinopsidae	<i>Atherinella saliki</i>	<i>Archomienidia bolivari</i>	acellular	Moss (1965)
		<i>Chirostoma humboldtianum</i>	<i>Atherina humboldtii</i>	acellular	Kölliker (1859)
		<i>Chirostoma jordani</i>		acellular	Moss (1965)
		<i>Lutidestes siculus</i>		acellular	Moss (1965)
	Beloniformes	<i>Oryzias latipes</i>		acellular	Ekanayake & Hall (1987); Cao et al. (2011)
	Belonidae	<i>Belone belone</i>	<i>B. vulgaris</i>	acellular	Kölliker (1859)
		<i>Potamorhaphis guianensis</i>		acellular	Moss (1961b)
		<i>Strongylura marina</i>		acellular	Moss (1965)
		<i>Strongylura notata</i>		acellular	Moss (1961b)
		<i>Strongylura strongylura</i>	<i>Belone caudimacula</i>	acellular	Kölliker (1859)
		<i>Tylosurus acus</i>	<i>T. imperialis</i>	acellular	Kölliker (1859)
		<i>Cheilopogon exilis</i>	<i>Exocoetis exilis</i>	acellular	Kölliker (1859)
	Exocoetidae	<i>Hemiramphus</i> sp.		acellular	Kölliker (1859)
	Hemiramphidae	<i>Scomberesoc saurus</i>	<i>Sayris camperi</i>	acellular	Kölliker (1859)
	Scomberesocidae	<i>Anableps anableps</i>	<i>A. tetraphthalmus</i>	acellular	Kölliker (1859); Moss (1961b)
	Anablepidae	<i>Aphanis fasciatus</i>	<i>Cyprinodon calaritanus</i>	acellular	Kölliker (1859)
	Aphanidae	<i>Oreosias mulleri</i>		acellular	Moss (1965)
	Cyprinodontiformes	<i>Fundulus diaphanus</i>		acellular	Moss (1965)
		<i>Fundulus heteroclitus</i>		acellular	Moss (1961b)
		<i>Fundulus kansae</i>		acellular	Moss (1965)
	Goodeidae	<i>Goodea latipollii</i>		acellular	Moss (1965)
		<i>Ilyodon furcatus</i>		acellular	Moss (1965)
	Poeciliidae	<i>Belonesox belizanus</i>		acellular	Moss (1965)
		<i>Gambusia mairii</i>		acellular	Moss (1961b)
		<i>Poecilia formosa</i>	<i>Mollinesia formosa</i>	acellular	Moss (1965)
		<i>Poecilia latipinna</i>	<i>Mollinesia latipinna</i>	acellular	Kölliker (1859); Moss (1961b)
		<i>Poecilia reticulata</i>	<i>Lebistes reticulatus</i>	acellular	Moss (1961b)

		<i>Poecilia sphenops</i>		acellular	Moss (1965)
		<i>Poecilia vivipara</i>		acellular	Kölliker (1859)
		<i>Xiphophorus montezumae</i>		acellular	Moss (1965)
Mugiliformes	Mugilidae	<i>Mugil ophalus</i>		acellular	Kölliker (1859)
		<i>Mugil</i> sp.		acellular	Kölliker (1859); Moss (1961b)
Gobiesociformes	Gobiesocidae	<i>Lepadogaster lepadogaster</i>	<i>L. gonani</i>	acellular	Kölliker (1859)
Blenniiformes	Blenniidae	<i>Coryphoblennius galerita</i>	<i>Blennius montagni</i> , <i>B. galerita</i>	acellular	Kölliker (1859)
		<i>Isiblennius eicostulus</i>	<i>Salarias quadricornis</i>	acellular	Kölliker (1859)
		<i>Parablennius gattorugine</i>	<i>Blennius gattorugine</i>	acellular	Kölliker (1859)
		<i>Scartella cristata</i>	<i>Blennius cristatus</i>	acellular	Moss (1961b)
	Clinidae	<i>Clinitrachus argentatus</i>	<i>Clinus argenteus</i>	acellular	Kölliker (1859)
		<i>Crisiops</i> sp.		acellular	Kölliker (1859)
Eupercaria	<i>Incertae sedis</i>	<i>Callanthias ruber</i>	<i>Anthias buphthalmus</i>	acellular	Kölliker (1859)
	Callanthidae	<i>Malacanthus plumieri</i>		acellular	Moss (1961b)
	Malacanthidae	<i>Dicentrarchus labrax</i>		acellular	Kranenborg et al. (2005)
	Moronidae	<i>Morone americana</i>	<i>Roccus americanus</i>	acellular	Moss (1961b)
		<i>Morone chrysops</i>	<i>Roccus chrysops</i>	acellular	Moss (1965)
	Pomacanthidae	<i>Holacanthus ciliaris</i>		acellular	Moss (1961b)
		<i>Holacanthus bermudensis</i>	<i>H. isabellita</i>	acellular	Moss (1961b)
		<i>Holacanthus</i> sp.		acellular	Kölliker (1859)
	Scatophagidae	<i>Scatophagus argus</i>		acellular	Kölliker (1859)
	Sciainidae	<i>Aplodinotus grunniens</i>		acellular	Moss (1961b)
		<i>Cymnocten regalis</i>	<i>Otolithus regalis</i>	acellular	Kölliker (1859)
		<i>Johnius belangerii</i>	<i>Corvina lobata</i>	acellular	Kölliker (1859)
		<i>Menticirrhus</i> sp.		acellular	Moss (1961b)
		<i>Micropogonias altipinnis</i>		acellular	Meunier et al. (2004)
		<i>Micropogonias undulatus</i>		acellular	Kölliker (1859)
		<i>Micropogonias</i> sp.		acellular	Moss (1961b)
		<i>Pogonias cromis</i>		acellular	Moss (1961b)
		<i>Sciæna umbra</i>	<i>Corvina nigra</i>	acellular	Kölliker (1859)
	Siganidae	<i>Siganus javus</i>	<i>Amphacanthus javus</i>	acellular	Kölliker (1859)
Gerceiformes	Gerceidae	<i>Eugerres plumieri</i>	<i>Gerres plumieri</i>	acellular	Kölliker (1859)
		<i>Ulaema lefroyi</i>		acellular	Moss (1961b)
		<i>Ammodytes tobianus</i>		acellular	Kölliker (1859)
Uranoscopiformes	Ammodytidae	<i>Uranoscopus scaber</i>		acellular	Kölliker (1859)
Labriformes	Labridae	<i>Bodianus scrofa</i>	<i>Labrus scrofa</i>	acellular	Kölliker (1859)
		<i>Coris julis</i>	<i>Julis vulgaria</i>	acellular	Kölliker (1859)
		<i>Halibueres hirsutatus</i>		acellular	Moss (1961b)
		<i>Halibueres radiatus</i>		acellular	Moss (1961b)
		<i>Labrus mixtus</i>	<i>L. variegatus</i>	acellular	Kölliker (1859)
		<i>Lachnolaimus maximus</i>		acellular	Moss (1961b)
		<i>Symphodus tinca</i>	<i>Crenilabrus paro</i>	acellular	Kölliker (1859)
		<i>Thalassoma bifasciatum</i>		acellular	Moss (1961b)
		<i>Thalassoma paro</i>	<i>Julis paro</i>	acellular	Kölliker (1859)
		<i>Xyrichtys novacula</i>		acellular	Kölliker (1859)
	Scaridae	<i>Chlorurus microrhinos</i>		acellular	this study
		<i>Scarus retula</i>		acellular	Moss (1961b)
		<i>Sparisoma chrysopteron</i>		acellular	Moss (1961b)
		<i>Sparisoma cretense</i>	<i>Scarus creticus</i>	acellular	Kölliker (1859)
Ephippiformes	Drepanidae	<i>Drepane africana</i>		acellular	4 Desse et al. (1981); Meunier et al. (2008a)
	Ephippidae	<i>Chaetodipterus faber</i>	<i>Ephippus faber</i> , <i>E. gigas</i>	acellular	Kölliker (1859); Meunier & Herbin (2014)
		<i>Chaetodipterus</i> sp.		acellular	Moss (1961b)
Chaetodontiformes	Chaetodontidae	<i>Chaetodon capistratus</i>		acellular	Moss (1961b)
		<i>Chaetodon ocellatus</i>		acellular	Moss (1961b)
		<i>Scentor insidiator</i>	<i>Equula insidiatrix</i>	acellular	Kölliker (1859)
Acanthuriformes	Acanthuridae	<i>Acantharus chirurgus</i>		acellular	Moss (1961b)
		<i>Acantharus nigricans</i>		acellular	Kölliker (1859)
		<i>Ctenochaetus striatus</i>		acellular	acellular (modified scale) Meunier & Francillon-Vieillot (1999)
		<i>Naso brevirostris</i>	<i>Naseus longicornis</i>	acellular	Kölliker (1859)
Lutjaniformes	Lutjanidae	<i>Luturus imperialis</i>	<i>Astrodermus guttatus</i>	acellular	Kölliker (1859)
		<i>Haemulon album</i>		acellular	Moss (1961b)
		<i>Haemulon flavolineatum</i>		acellular	Moss (1961b)
		<i>Haemulon parvu</i>		acellular	Moss (1961b)
		<i>Haemulon sciurus</i>		acellular	Moss (1961b)
		<i>Pomadourys kaakan</i>	<i>Pomadourys basia</i>	acellular	4 Meunier & Desse (1994)
		<i>Pomadourys stridens</i>	<i>Pristipoma stridens</i>	acellular	Kölliker (1859)
	Lutjanidae	<i>Lutjanus apodus</i>		acellular	Moss (1961b)
		<i>Lutjanus synagris</i>		acellular	Moss (1961b)
		<i>Ocyurus chrysurus</i>		acellular	Moss (1961b)
Lobotiformes	Datnioididae	<i>Datnioides microlepis</i>		acellular	Moss (1965)
	Lobotidae	<i>Lobotes surinamensis</i>		acellular	Moss (1961b)
Spariformes	Lethrinidae	<i>Lethrinus nebulosus</i>		acellular	Meunier (1984a, 2011); Meunier et al. (2008)
	Sparidae	<i>Acanthopagrus australis</i>		acellular	5 Hughes et al. (1994)
		<i>Archamia argus probatocephalus</i>	<i>Sargus oris</i>	acellular	Kölliker (1859)
		<i>Boops boops</i>	<i>B. vulgaris</i>	acellular	Kölliker (1859)
		<i>Calamus arctifrons</i>		acellular	Moss (1961b)
		<i>Calamus bajonado</i>		acellular	Moss (1961b)
		<i>Centracanthus cirrus</i>	<i>Smaris insidiator</i>	acellular	Kölliker (1859)
		<i>Dentex dentex</i>	<i>D. vulgaris</i>	acellular	Kölliker (1859)

		<i>Diplodus annularis</i>	<i>Sargus annularis</i>	acellular	Kölliker (1859)
		<i>Lagedon rhomboides</i>		acellular	Moss (1961b)
		<i>Lithognathus</i> sp.		acellular	Meunier & Herbin (2014)
		<i>Oblada melanura</i>		acellular	Amprino & Godina (1956)
		<i>Pagellus bogaraveo</i>	<i>P. centrodonatus</i>	acellular	Kölliker (1859)
		<i>Pagrus auratus</i>	<i>Chrysophrys aurata</i>	acellular	5 Kölliker (1859); Hughes et al. (1994)
		<i>Pagrus pagrus</i>	<i>P. vulgatus</i>	acellular	Kölliker (1859)
		<i>Rhabdosargus sarba</i>		acellular	5 Hughes et al. (1994)
		<i>Sarpa salpa</i>	<i>Boops salpa</i>	acellular	Kölliker (1859)
		<i>Sparus aurata</i>		acellular	Estévio et al. (2011); Sire & Meunier (2017)
		<i>Spiurra smarit</i>	<i>Smaris vulgaris</i>	acellular	Kölliker (1859)
		<i>Cepola macrophthalmia</i>	<i>C. rubescens</i>	acellular	Kölliker (1859)
Priacanthiformes	Cepolidae			acellular	Moss (1961b)
	Priacanthidae	<i>Priacanthus arenatus</i>		acellular	Kölliker (1859)
		<i>Priacanthus hamrur</i>	<i>P. macrophthalmus</i>	acellular	Kölliker (1859)
Caproiformes	Caproidae	<i>Caprus aper</i>		acellular	Kölliker (1859)
Lophiiformes	Antennariidae	<i>Histirio histrio</i>	<i>Chironectes histrio</i>	acellular	Kölliker (1859); Moss (1961b)
	Lophiidae	<i>Lophius americanus</i>		acellular	Meunier (1984a); Meunier et al. (2008a)
		<i>Lophius piscatorius</i>		acellular	Kölliker (1859)
	Ogocephalidae	<i>Ogocephalus respertilio</i>	<i>Mallotia respertilio</i>	acellular	acellular (modified scale) Kölliker (1859); Meunier & Herbin (2014)
Tetraodontiformes	Balistidae	<i>Balistapus undulatus</i>		acellular	Moss (1961b)
		<i>Balistes capricus</i>		acellular	Kölliker (1859); Moss (1961b)
		<i>Balistes retula</i>		acellular	Moss (1961b)
		<i>Balistoides conspicillum</i>		acellular	acellular Meunier (2009)
		<i>Canthidermis sufflamen</i>		acellular	Moss (1961b)
	Diodontidae	<i>Chilomycterus</i> sp.		acellular	Moss (1961b)
		<i>Diodon lysitric</i>		acellular	Moss (1961b)
		<i>Diodon</i> sp.		acellular	Kölliker (1859)
	Molidae	<i>Mola mola</i>	<i>Orthogoriscus mola</i>	acellular	Kölliker (1859)
	Monacanthidae	<i>Aluterus scriptus</i>	<i>A. laevis</i>	acellular	Kölliker (1859)
		<i>Aluterus</i> sp.		acellular	Moss (1961b)
		<i>Monacanthus chinensis</i>	<i>M. geographicus</i>	acellular	Kölliker (1859)
		<i>Lactophrys trigonus</i>		acellular	Moss (1961b)
		<i>Lactophrys triquetra</i>	<i>Ostracion triquetra</i>	acellular	Kölliker (1859)
	Tetraodontidae	<i>Sphaeramia maculatus</i>		acellular	Moss (1961b)
		<i>Sphaeramia testudineus</i>		acellular	Moss (1961b)
		<i>Tetraodon lineatus</i>	<i>T. fabax</i>	acellular	Kölliker (1859)
		<i>Triacanthus biaculeatus</i>	<i>T. brevirostris</i>	acellular	Kölliker (1859)
Pempheriformes	Triacanthidae	<i>Epigonus telescopus</i>	<i>Pomatomus telescopium</i>	acellular	Kölliker (1859)
Centrarchiformes	Epigonidae	<i>Acantharchus pomotis</i>		acellular	Moss (1965)
	Centrarchidae	<i>Ambloplites rupestris</i>		acellular	Moss (1965)
		<i>Centrarchus macropterus</i>	<i>C. labroides</i>	acellular	Kölliker (1859); Moss (1965)
		<i>Enneacanthus chaetodon</i>	<i>Mesogonistius chaetodon</i>	acellular	Moss (1965)
		<i>Enneacanthus obesus</i>		acellular	Moss (1965)
		<i>Lepomis cyanellus</i>	<i>Apomotis cyanellus</i>	acellular	Moss (1965)
		<i>Lepomis gibbosus</i>	<i>Pomotis gibbosus</i>	acellular	Kölliker (1859); Moss (1961b)
		<i>Lepomis gulosus</i>	<i>Chaenobryttus gulosus</i>	acellular	Moss (1965)
		<i>Lepomis macrochirus</i>		acellular	Moss (1965)
		<i>Lepomis marginatus</i>		acellular	Moss (1965)
		<i>Lepomis</i> sp.	<i>Helopercu incisor</i>	acellular	Moss (1965)
		<i>Micropterus dolomieu</i>		acellular	Moss (1965)
		<i>Micropterus salmoides</i>	<i>Huro salmoides</i>	acellular	Moss (1965)
		<i>Pomoxis annularis</i>		acellular	Moss (1965)
		<i>Pomoxis</i> sp.		acellular	Moss (1961b)
	Elassomatidae	<i>Elassoma zonatum</i>		acellular	Moss (1965)
	Percichthyidae	<i>Siniperca chuatsi</i>		acellular	Moss (1965)
	Teraponidae	<i>Terapon jarbua</i>	<i>T. serius</i>	acellular	Kölliker (1859)
Perciformes sensu stricto	Agonidae	<i>Agonus cataphractus</i>	<i>Aspidophorus caripacus</i>	acellular	Kölliker (1859)
	Anarhichadidae	<i>Anarhichas denticulatus</i>		acellular	Meunier & Germain (2018)
		<i>Anarhichas lupus</i>		acellular	Kölliker (1859); Meunier (1984a)
		<i>Champsicephalus gunnari</i>		acellular	Meunier et al. (2008a); Meunier et al. (2018b)
		<i>Cottus asper</i>		acellular	Moss (1965)
		<i>Cottus caroliniae</i>		acellular	Moss (1965)
		<i>Cottus cognatus</i>		acellular	Moss (1965)
		<i>Cottus gobio</i>		acellular	Kölliker (1859)
		<i>Myxoccephalus polyacanthocephalus</i>		acellular	Horton & Summers (2009)
		<i>Myxoccephalus quadrimacris</i>		acellular	Moss (1965)
		<i>Myxoccephalus thompsonii</i>	<i>Trigloais thompsonii</i>	acellular	Moss (1965)
	Cyclopteridae	<i>Cyclopterus lumpus</i>		acellular	Moss (1961b)
	Gasterosteidae	<i>Apeltes quadracus</i>		acellular	Moss (1965)
		<i>Gasterosteus aculeatus</i>	<i>G. trachurus</i>	acellular	Kölliker (1859); Moss (1965); Sire et al. (2009)
		<i>Lepidosteus squamifrons</i>	<i>Notthenia squamifrons</i>	acellular	Meunier et al. (2008a); Meunier et al. (2018b)
	Nototheniidae	<i>Ammocrypta vivax</i>		acellular	Moss (1965)
	Percidae	<i>Etheostoma laterinotum</i>		acellular	Moss (1965)
		<i>Etheostoma nigrum</i>	<i>Boleosoma nigrum olmstedii</i>	acellular	Moss (1965)
		<i>Gymnocephalus cernua</i>	<i>Acerina cernua, A. vulgaris</i>	acellular	Kölliker (1859); Moss (1965)
		<i>Perca flavescens</i>		acellular	Moss (1961b)
		<i>Perca fluviatilis</i>		acellular	Kölliker (1859); Meunier et al. (2008a)
		<i>Percina caprodes</i>		acellular	Moss (1965)
		<i>Sander canadensis</i>	<i>Sizqstalion canadense</i>	acellular	Moss (1965)

	<i>Sander incisperu</i>	<i>Luciopeca sandra</i>	acellular	Kölliker (1859)
Platycephalidae	<i>Platycephalus indicus</i>	<i>P. insidiator</i>	acellular	Kölliker (1859)
Scorpaenidae	<i>Pternis volitans</i>		acellular	Moss & Posner (1960); Moss (1961b)
	<i>Scorpaena plumieri</i>		acellular	Moss (1961b)
Serranidae	<i>Centropristis striata</i>		acellular	Moss (1961b)
	<i>Cephalopholis fulva</i>		acellular	Moss (1961b)
	<i>Diplacrum formosum</i>		acellular	Moss (1961b)
	<i>Epiplatys drummondhayi</i>		acellular	Moss (1961b)
	<i>Epiplatys striatus</i>		acellular	Moss (1961b)
	<i>Paralabrax clathratus</i>		acellular	Glowacki et al. (1986)
	<i>Serranus cabrilla</i>		acellular	Kölliker (1859)
	<i>Serranus</i> sp.		acellular	Moss (1961b)
Trachinidae	<i>Echiichthys ripera</i>	<i>Trachinus ripera</i>	acellular	Kölliker (1859)
	<i>Trachinus draco</i>		acellular	Kölliker (1859)
Triglidae	<i>Chelidonichthys cuculus</i>	<i>Trigla cuculus</i>	acellular	Kölliker (1859)
	<i>Prionotus carolinus</i>		acellular	Kölliker (1859)
	<i>Prionotus stephanophrys</i>		acellular	4 Meunier et al. (1999)
	<i>Prionotus</i> sp.		acellular	Moss (1961b)
	<i>Trigla lyra</i>		acellular	Kölliker (1859)
Zoarcidae	<i>Thermaxes cerberus</i>		acellular	Meunier & Arnulf (2018)