

A Classification of Fishes (Nelson 2006)

Class 1. Myxini	hagfishes
Order 1. Myxiniformes	hagfishes
F1. Myxiniidae	hagfishes
Class 2. Petromyzontida	lampreys
Order 2. Petromyzontiformes	lampreys
F2. Petromyzontidae	northern lampreys
F3. Geotriidae	southern lampreys
F4. Mordaciidae	southern topeyed lampreys
Class 3. Placodermi	
Class 4. Chondrichthyes	cartilaginous fishes
Order 3. Chimaeriformes	chimaeras
F5. Callorhynchidae	plownose chimaeras
F6. Rhinochimaeridae	longnose chimaeras
F7. Chimaeridae	shortnose chimaeras or ratfishes
Order 4. Heterodontiformes	bullhead sharks
F8. Heterodontidae	bullhead sharks
Order 5. Orectolobiformes	carpet sharks
F9. Parascyllidae	collared carpet sharks
F10. Brachaeluridae	blind sharks
F11. Orectolobidae	wobbegongs
F12. Hemiscyllidae	bamboo sharks
F13. Stegostomatidae	zebra shark
F14. Ginglymostomatidae	nurse sharks
F15. Rhinodontidae	whale sharks
Order 6. Lamniformes	mackerel sharks
F16. Odontaspidae	sand tiger sharks
F17. Mitsukurinidae	goblin sharks
F18. Pseudocarchariidae	crocodile sharks
F19. Megachasmaidae	megamouth sharks
F20. Alopiidae	thresher sharks
F21. Cetorhinidae	basking sharks
F22. Lamnidae	mackerel sharks
Order 7. Carcharhiniformes	ground sharks
F23. Scyllorhinidae	cat sharks
F24. Proscyllidae	finback cat sharks
F25. Pseudotriakidae	false cat sharks
F26. Leptocharidae	barbeled hound sharks
F27. Triakidae	hound sharks
F28. Hemigaleidae	weasel sharks
F29. Carcharhinidae	requiem sharks
F30. Sphyrnidae	hammerhead sharks
Order 8. Hexanchiformes	six-gill sharks
F31. Chlamydoselachidae	frill sharks
F32. Hexanchidae	cow sharks
Order 9. Echinorhiniformes	bramble sharks
F33. Echinorhinidae	bramble sharks
Order 10. Squaliformes	dogfish sharks
F34. Squalidae	dogfish sharks
F35. Centrophoridae	gulper sharks
F36. Etmopteridae	lantern sharks
F37. Somniosidae	sleeper sharks
F38. Oxynotidae	rough sharks
F39. Dalatiidae	kitefin sharks
Order 11. Squatiniformes	angel sharks
F40. Squatinidae	angel sharks
Order 12. Pristiophoriformes	saw sharks
F41. Pristiophoridae	saw sharks
Order 13. Torpediniformes	electric rays
F42. Torpedinidae	torpedo electric rays
F43. Narcinidae	numbfishes
Order 14. Pristiformes	sawfishes
F44. Pristidae	sawfishes
Order 15. Rajiformes	skates
F45. Rhinidae	bowmouth guitarfishes
F46. Rhynchobatidae	wedgefishes
F47. Rhinobatidae	guitarfishes
F48. Rajidae	skates
Order 16. Myliobatiformes	stingrays
F49. Platyrhinidae	thornbacks
F50. Zanobatidae	panrays
F51. Hexatrydonidae	sixgill stingrays
F52. Plesiobatidae	deepwater stingrays
F53. Urolophidae	round stingrays
F54. Urotrygonidae	American round stingrays
F55. Dasyatidae	whiptail stingrays
F56. Potamotrygonidae	river stingrays
F57. Gymnuridae	butterfly rays
F58. Myliobatidae	eagle rays
Class 5. Acanthodii (extinct)	

Class 7. Sarcopterygii	lobe-finned fishes
Order 61. Coelacanthiformes	coelacanths
F512. Latimeriidae	gombessas or coelacanths
Order 62. Ceratodontiformes	living lungfishes
F513. Ceratodontidae	Australian lungfishes
F514. Lepidosirenidae	South American lungfishes
F515. Protopteridae	African Lungfishes

Class 6. Actinopterygii	ray-finned fishes	F145. Doradidae	thorny catfishes	F229. Tetrabrachiidae	tetrabrachiid frogfishes	F326. Bathylutichthyidae	Antarctic sculpins	F441. Ammodytidae	sand lances
Order 17. Polypteriformes	bichirs	F146. Auchenipteridae	driftwood catfishes	F230. Lophichthyidae	lophichthyid frogfishes	F327. Cyclopteridae	lumpfishes or lumpsuckers	F442. Trachinidae	weeverfishes
F59. Polypteridae	bichirs	F147. Siluridae	sheatfishes	F231. Brachionichthyidae	handfishes	F328. Liparidae	snailfishes	F443. Uranoscopidae	stargazers
Order 18. Acipenseriformes	sturgeons	F148. Malapteruridae	electric catfishes	F232. Chaunacidae	coffinfishes or sea toads			F444. Pholidichthyidae	convict blenny
F60. Acipenseridae	sturgeons	F149. Auchenoglanididae	auchenoglandids	F233. Ogcocephalidae	batfishes	Order 58. Perciformes	perches	F445. Tripterygiidae	triplefin blennies
F61. Polyodontidae	paddlefishes	F150. Chacidae	squarehead, angler or frogmouth catfishes	F234. Caulophrynidae	fanfins	F329. Centropomidae	snooks	F446. Dactyloscopidae	sand stargazers
Order 19. Lepisosteiformes	gars	F151. Plotosidae	eeltail catfishes	F235. Neoceratiidae	toothed seadevils	F330. Ambassidae	Asiatic glassfishes	F447. Blenniidae	combtooth blennies
F62. Lepisosteidae	gars	F152. Clariidae	airbreathing catfishes	F236. Melanocetidae	black seadevils	F331. Latidae	lates	F448. Clinidae	kelp blennies
Order 20. Amiiformes	bowfins	F153. Heteropneustidae	airsac catfishes	F237. Himantolophidae	footbalfishes	F332. Moronidae	temperate basses	F449. Labrisomidae	labrisomid blennies
F63. Amiidae	bowfins	F154. Austroglanidae	austroglanids	F238. Diceratiidae	double anglers	F333. Percichthyidae	temperate perches	F450. Chaenopsidae	tube blennies
Order 21. Hiodontiformes	mooneyes	F155. Claroteidae	claroteids	F239. Oneirodidae	dreamers	F334. Perciliidae	southern basses	F451. Icosteidae	ragfishes
F64. Hiodontidae	mooneyes	F156. Aridae	sea catfishes	F240. Thaumatchichthyidae	wolftrap anglers	F335. Acropomatidae	lanternbellies	F452. Gobiesocidae	clingfishes
Order 22. Osteoglossiformes	bonytongues	F157. Schilbiidae	schilbeid catfishes	F241. Centrophrynidae	deepsea anglerfishes	F336. Symphysanodontidae	slopefishes	F453. Callionymidae	dragonets
F65. Osteoglossidae	osteoglossids or bonytongues	F158. Pangasidae	shark catfishes	F242. Ceratiidae	seadevils	F337. Polyprionidae	wreckfishes	F454. Draconetidae	slope draconets
F66. Notopteridae	featherfin knife-fishes or Old World knife-fishes	F159. Bagridae	bagrid catfishes	F243. Gigantactinidae	whipnoses anglers	F338. Serranidae	sea basses	F455. Rhycichthyidae	loach gobies
F67. Mormyridae	elephantfishes	F160. Pimelodidae	long-whiskered catfishes	F244. Linophrynidae	leftvents	F339. Centrogenidae	false scorpionfishes	F456. Odontobutidae	freshwater sleepers
F68. Gymnarchidae	aba	Order 32. Gymnotiformes	American knife-fishes	Order 48. Mugiliformes	mulletts	F340. Ostracoberycidae	ostracoberycids	F457. Eleotridae	sleepers
Order 23. Elopiformes	tenpounders	F161. Gymnotidae	nakedback knife-fishes	F245. Mugilidae	mulletts	F341. Callanthiidae	groppos	F458. Xenisthmidae	xenisthmids
F69. Elopidae	tenpounders	F162. Rhamphichthyidae	sand knife-fishes	Order 49. Atheriniformes	silversides	F342. Pseudochromidae	dotybacks	F459. Kraemeridae	sandfishes or sand gobies
F70. Megalopidae	tarpons	F163. Hypopomidae	bluntnose knife-fishes	F246. Atherinopsidae	New World silversides	F343. Grammatidae	basslets	F460. Gobiidae	gobies
Order 24. Albuliformes	bonefishes	F164. Sternopygidae	glass knife-fishes	F248. Melanotaeniidae	rainbowfishes and blue eyes	F344. Plesiopidae	roundheads	F461. Microdesmidae	wormfishes
F71. Albulidae	bonefishes	F165. Apteronotidae	ghost knife-fishes	F249. Atherionidae	pricklenose silversides	F345. Notogtraptidae	bearded eelblennies	F462. Ptereleotridae	dartfishes
F72. Halosauridae	halosaurs	Order 33. Argentiniformes	marine smelts	F250. Phallostethidae	tusked silversides and priapiumfishes	F346. Opisthognathidae	jawfishes	F463. Schindleriidae	infantfishes
F73. Notacanthidae	spiny eels	F166. Argentinidae	argentines or herring smelts	F251. Atherinidae	Old World silversides	F347. Dinopercidae	cavebasses	F464. Kurtidae	nurseryfishes
Order 25. Anguilliformes	eels	F167. Opisthoproctidae	barreleyes or spookfishes	Order 50. Beloniformes	needlefishes	F348. Banjosidae	banjofishes	F465. Ephippidae	spadefishes
F74. Anguillidae	freshwater eels	F168. Microstomatidae	pencil smelts	F252. Adrianichthyidae	adrianichthyids	F349. Centrarchidae	sunfishes	F466. Scatophagidae	scats
F75. Heterenchelyidae	mud eels	F169. Platytroutidae	tubeshoulders	F253. Exocoetidae	flyingfishes	F350. Percidae	perches	F467. Siganidae	rabbitfishes
F76. Moringuidae	spaghetti eels	F170. Bathylaconidae	bathylaconids	F254. Hemiramphidae	halfbeaks	F351. Priacanthidae	bigeyes or catalufas	F468. Luvaridae	louvar
F77. Chlopsidae	false morays	F171. Alepocephalidae	slickheads	F255. Belonidae	needlefishes	F352. Apogonidae	cardinalfishes	F469. Zancidae	Moorish Idols
F78. Myrocongridae	myroconger eels	Order 34. Osmeriformes	smelts	F256. Scomberesocidae	sauries	F353. Epigonidae	deepwater cardinalfishes	F470. Acanthuridae	surgeonfishes
F79. Muraenidae	moray eels	F172. Osmeridae	smelts	Order 51. Cyprinodontiformes	killifishes	F354. Sillaginidae	sillagos or whittings or smelt-whittings	F471. Scombrobracridae	longfin scolars
F80. Synphobranchidae	cutthroat eels	F173. Retropinnidae	New Zealand smelts	F257. Aplocheilidae	Asian rivulines	F355. Malacanthidae	tiefishes	F472. Sphyrnaeidae	barracudas
F81. Ophichthidae	snake eels and worm eels	F174. Galaxiidae	galaxiids	F258. Nothobranchiidae	African rivulines	F356. Lactariidae	false trevallies	F473. Gempylidae	snake mackerels
F82. Colocongridae	shorttail eels	Order 35. Salmoniformes	trouts	F259. Rivulidae	New World rivulines	F357. Dinolestidae	long-finned pikes	F474. Trichiuridae	cutlassfishes
F83. Derichthyidae	longneck eels	F175. Salmonidae	salmonids	F260. Profundulidae	Middle American killifishes	F358. Scombroptidae	gnomefishes	F475. Scombridae	mackerels and tunas
F84. Muraenesocidae	pike congers	Order 36. Esociformes	pikes	F261. Goodeidae	goodeids	F359. Pomatomidae	bluefishes	F476. Xiphiidae	swordfishes
F85. Nemichthyidae	snipe eels	F176. Esocidae	pikes	F262. Fundulidae	topminnows	F360. Nematistidae	roosterfishes	F477. Istiophoridae	billfishes
F86. Congridae	conger eels	F177. Umbridae	mudminnows	F263. Valenciidae	Valencia toothcarps	F361. Coryphaenidae	dolphinfishes	F478. Amarsipidae	amarsipas
F87. Nettastomatidae	duckbill eels	Order 37. Stomiiformes	dragonfishes	F264. Cyprinodontidae	pupfishes	F362. Rachycentridae	cobias	F479. Centrolophidae	medusafishes
F88. Serrivomeridae	sawtooth eels	F178. Diplphidae		F265. Anablepidae	four-eyed fishes	F363. Echeneididae	remoras or sharksuckers	F480. Nomeidae	driftfishes
Order 26. Saccopharyngiformes	sackpharynx fishes	F179. Gonostomatidae	bristlemouths	F266. Poeciliidae	livebearers	F364. Carangidae	jacks and pompanos	F481. Ariommatidae	ariommatids
F89. Cyematidae	bobtail snipe eels	F180. Sternoptychidae	marine hatchettfishes	Order 52. Stephanoberyciformes	pricklefishes	F365. Menidae	moonfishes	F482. Tetragnonuridae	squaretails
F90. Saccopharyngidae	swallowers	F181. Phosichthyidae	lightfishes	F267. Melamphaidae	bigscale fishes	F366. Leiongnathidae	ponyfishes, slimys or slipmouths	F483. Stromatidae	butterfishes
F91. Eurypharyngidae	gulpers or pelican eels	F182. Stomiidae	barbeled dragonfishes	F268. Stephanoberycidae	pricklefishes	F367. Bramidae	pomfrets	F484. Anabantidae	climbing gouramies
F92. Monognathidae	onejaw gulpers	Order 38. Ateleopodiformes	jellynose fishes	F269. Hispidoberycidae	hispidoberycids	F368. Caristidae	manefishes	F485. Helostomatidae	kissing gourami
Order 27. Clupeiformes	herrings	F183. Ateleopodidae	jellynose fishes	F270. Gibberichthyidae	gibberfishes	F369. Emmelichthyidae	rovers	F486. Osphronemidae	gouramies
F93. Denticipitidae	denticle herrings	Order 39. Aulopiformes	lizardfishes	F271. Rondeletidae	redmouth whalefishes	F370. Lutjanidae	snappers	F487. Channidae	snakeheads
F94. Pristigasteridae	longfish herrings	F184. Paraulopidae	cucumber fishes	F272. Barbourisidae	red whalefishes	F371. Caesionidae	fusiliers	F488. Caproidae	boarfishes
F95. Engraulidae	anchovies	F185. Aulopidae	flagfins	F273. Cetomimidae	flabby whalefishes	F372. Lobotidae	tripletails	Order 59. Pleuronectiformes	flatfishes
F96. Chirocentridae	wolf herrings	F186. Pseudotrichonotidae	sandviving lizardfishes	F274. Mirapinnidae	tapertails	F373. Gerreidae	mojarras	F489. Psettodidae	spiny turbot
F97. Clupeidae	herrings	F187. Synodontidae	lizardfishes	F275. Megalomomycteridae	largenose fishes	F374. Haemulidae	grunts	F490. Citharidae	largescale flounders
Order 28. Gonorynchiformes	milkfishes	F188. Bathysauroideidae	bathysauroids	Order 53. Beryciformes	alfonso squirrelfishes	F375. Inermidae	bonnetmouths	F491. Scopththalmidae	turbots
F98. Chanidae	milkfishes	F189. Chlorophthalmidae	greeneyes	F276. Anoplogastridae	fangtooths	F376. Nemipteridae	threadfin breams	F492. Paralichthyidae	sand flounders
F99. Gonorhynchidae	beaked sandfishes	F190. Bathysauropsidae	bathysauropsids	F277. Diretmidae	spinyfins	F377. Lethrinidae	emperors or emperor breams	F493. Pleuronectidae	righteye flounders
F100. Kneridae	knerias	F191. Notosudidae	waryfishes	F278. Anomalopidae	flashlight fishes	F378. Sparidae	porgies	F494. Bothidae	lefteye flounders
F101. Phractolaemidae	snake mudheads	F192. Ipnopidae	deepsea tripod fishes	F279. Monocentrididae	pinecone fishes	F379. Centracanthidae	picarel porgies	F495. Paralichthodidae	measles flounders
Order 29. Cypriniformes	carps	F193. Scopelarchidae	pearleyes	F280. Trachichthyidae	roughies	F380. Polynemidae	theadfins	F496. Poecilopsetidae	bigeye flounders
F102. Cyprinidae	minnows or carps	F194. Evermannellidae	sabertooth fishes	F281. Berycidae	alfonsinos	F381. Sciaenidae	drums or croakers	F497. Rhombosoleidae	rhombosoleids
F103. Psilorhynchidae	mountain carps	F195. Alepisauridae	lancetfishes	F282. Holocentridae	squirrelfishes	F382. Mullidae	goatfishes	F498. Achirosettidae	southern flounders
F104. Gyrinocheilidae	algae eaters	F196. Paralepididae	barracudinas	Order 54. Zeiformes	dories	F383. Pempheridae	sweepers	F499. Samaridae	crested flounders
F105. Catostomidae	suckers	F197. Bathysauridae	deepsea lizardfishes	F283. Cytidae	lookdown dories	F384. Glaucosomatidae	pearl perches	F500. Achiiridae	American soles
F106. Cobitidae	loaches	F198. Giganturidae	telescopefishes	F284. Oresomatidae	oreos	F385. Leptobramidae	beachsalmon	F501. Soleidae	soles
F107. Balitoridae	river loaches	Order 40. Myctophiformes	lanternfishes	F285. Parazenidae	smooth dories	F386. Bathyclupeidae	bathyclupeids	F502. Cynoglossidae	tonguefishes
Order 30. Characiformes	characins	F199. Neoscopelidae	blackchins	F286. Zeniontidae	armoreye dories	F387. Monodactylidae	moonfishes or fingerfishes	Order 60. Tetraodontiformes	plectognaths
F108. Distichodontidae	distichodontids	F200. Myctophidae	lanternfishes	F287. Grammicolepididae	tinselfishes	F388. Toxotidae	archerfishes	F503. Triacanthodidae	spikefishes
F109. Citharinidae	citharinids	Order 41. Lampridiformes	opahs	F288. Zeidae	dories	F389. Arripidae	Australian salmon or kahawai	F504. Triacanthidae	triplespines
F110. Parodontidae	parodontids	F201. Veliferidae	velifers	Order 55. Gasterosteiformes	sticklebacks	F390. Dichistiidae	galjoen fishes	F505. Balistidae	triggerfishes
F111. Curimatidae	toothless characiforms	F202. Lamprididae	opahs	F289. Hypoptychidae	sand eel	F391. Kyphosidae	sea chubs	F506. Monacanthidae	filefishes
F112. Prochilodontidae	flannel-mouth characiforms	F203. Stylephoridae	tube-eyes or thread-tails	F290. Aulorhynchidae	tubesnouts	F392. Drepanidae	sicklefishes	F507. Ostraciidae	boxfishes, cowfishes and trunkfishes
F113. Anostomidae	toothed headstanders	F204. Lophotidae	crestfishes	F291. Gasterosteidae	sticklebacks	F393. Chaetodontidae	butterflyfishes	F508. Triodontidae	threetooth puffers
F114. Chilodontidae	headstanders	F205. Radicephalidae	tapertails	F292. Indostomidae	armored sticklebacks	F394. Pomacanthidae	angelfishes	F509. Tetraodontidae	puffers
F115. Crenuchidae	South American darters	F206. Trachipteridae	ribbonfishes	F293. Pegasidae	seamoths	F395. Enoplosidae	oldwives	F510. Diodontidae	porcupinefishes or burrfishes
F116. Hemiodontidae	hemiodontids	F207. Regalecidae	oarfishes	F294. Solenostomidae	ghost pipefishes	F396. Pentacerotidae	armorheads	F511. Molidae	molas
F117. Alestidae	African tetras	Order 42. Polymixiiformes	beardfishes	F295. Syngnathidae	pipefishes and seahorses	F397. Nandidae	Asian leaffishes		
F118. Gasteropelecidae	freshwater hatchettfishes	F208. Polymixiidae	beardfishes	F296. Aulostomidae	trumpetfishes	F398. Polycentridae	Afro-American leaffishes		
F119. Characidae	characins	Order 43. Percopsiformes	trout-perches	F297. Fistulariidae	cornetfishes	F399. Terapontidae	grunters or tigerperches		
F120. Acestrorhynchidae	acestrorhynchids	F209. Percopsidae	trout-perches	F298. Macrorhamphosidae	snipefishes	F400. Kuhlidae	flagtails		
F121. Cynodontidae	cynodontids	F210. Aphredoderidae	pirate perch	F299. Centriscidae	shrimpfishes	F401. Oplegnathidae	knifejaws		
F122. Erythrinidae	trahiras	F211. Amblyopsidae	cavefishes	Order 56. Synbranchiformes	swamp eels	F402. Cirrihitidae	hawkfishes		
F123. Lebiasinidae	pencil fishes	Order 44. Gadiformes	cods	F300. Synbranchidae	swamp eels	F403. Chironemidae	kelpfishes		
F124. Ctenolucidae	pike-characids	F212. Muraenolepididae	eel cods	F301. Chaudhuriidae	earthworm eels	F404. Aplodactylidae	marblefishes		
F125. Hepsetidae	African pikes	F213. Bregmacerotidae	codlets	F302. Mastacembelidae	spiny eels	F405. Cheilodactylidae	monwongs		
Order 31. Siluriformes	catfishes	F214. Euclichthyidae	eucia cod	Order 57. Scorpaeniformes	mail-cheeked fishes	F406. Latridae	trumpeters		
F126. Diplomystidae	velvet catfishes	F215. Macrouridae	grenadiers	F303. Dactylopteridae	flying gurnards	F407. Cepolidae	bandfishes		
F127. Cetopsidae	whalelike catfishes	F216. Moridae	deep-sea cods	F304. Scorpaenidae	scorpionfishes or rockfishes	F408. Elasmomatidae	pygmy sunfishes		
F128. Amphiliidae	loach catfishes	F217. Melanoniidae	pelagic cods	F305. Caracanthidae	orbicular velvetfishes	F409. Cichlidae	cichlids		
F129. Trichomycteridae	pencil catfishes or parasitic catfishes	F218. Merluccidae	merluccid hakes	F306. Aploactinidae	velvetfishes	F410. Embiotocidae	surfperches		
F130. Nematogenyidae	mountain catfishes	F219. Phycidae	phycid hakes	F307. Pataceidae	Australian prowfishes	F411. Pomacentridae	damselfishes		
F131. Callichthyidae	callichthyid armored catfishes	F220. Gadidae	cods	F308. Gnathanacanthidae	red velvetfishes	F412. Labridae	wrasses		
F132. Scoloplacidae	spiny dwarf catfishes	Order 45. Ophidiiformes	cusks	F309. Cong					