

Selected Meristic Characters

Taxa described in this guide are ordered in the following table by the lower limit of the range of myomeres or vertebrae. Counts in parentheses are rare extremes. Spines are indicated by Roman numerals and rays by arabic numerals. Finlets follow a plus (+) sign. Fin formulae for anguilliform families are not included. The column "adipose fin" indicates the presence, when applicable, of a dorsal adipose fin posterior to the dorsal fin.

Taxon	Myomeres or Vertebrae(v)	Dorsal fin(s)	Anal fin(s)	Adipose fin
<i>Histrio histrio</i>	18-19	3,11-13	7-8	
Ceratioidei	18-22	(2)3-29	(2)3-19	
<i>Monacanthus hispidus</i>	19	II,29-35	28-35	
<i>Sphoeroides maculatus</i>	19	8	7	
<i>Ranzania laevis</i>	19	18-19	18-19	
Callionymidae	21-23	III-IV,6-15	4-13	
<i>Luvarus imperialis</i>	22	O-II,13-22	14-18	
<i>Leiostomus xanthurus</i>	23-25	IX-XI,1,29-35	II,12-13	
<i>Micropogonias undulatus</i>	23-26	X,1,27-30	II,8-9	
<i>Scopeloberyx</i> sp.	23-27	II-III,10-13	I,7-9	
<i>Scopelogadus</i> sp.	23-27	I-II,10-12	I,7-9	
Sciaenidae	23-27	IX-XII,1,19-35	I-II,5-13	
Serraninae	24(v)	X,11-15	III,6-8	
Epinephelinae	24(v)	IX-XI,13-20	III,7-12	
<i>Centropristis striata</i>	24	X,11	III,7	
<i>Lopholatilus chamaeleonticeps</i>	24	VII,15	I,13-14	
<i>Stenotomus chrysops</i>	24	XII,12	III,11-12	
<i>Lagodon rhomboides</i>	24	XII,11	III,11	
<i>Archosargus probatocephalus</i>	24	XII,10-12	III,9-10	
<i>Pogonias cromis</i>	24	X,1,19-23	II,5-7	
<i>Chaetodipterus faber</i>	24	IX,21-23	III,17-20	
<i>Mugil cephalus</i>	24	IV,1,7-8	III,8	
<i>Mugil curema</i>	24	IV,1,8	II,10	
<i>Sphyaena borealis</i>	24	V-VI,1,8-9	I-II,8-9	
<i>Sphyaena barracuda</i>	24	V,1,9	II,8	
<i>Istiophorus americanus</i>	24	37-49+6-8	8-16+6-8	
<i>Gonioplectrus hispanus</i>	24(v)	VIII,13	III,7	
<i>Caranx bartholomaei</i>	24	VIII,1,25-28	II,1,21-24	
<i>Caranx hippos-latus</i>	24	VIII,1,19-22	II,1,16-18	
<i>Elagatis bipinnulatus</i>	24	V-VI,1,25-30	II,18-22	
<i>Selene vomer</i>	24	VII-VIII,1,21-23	II,1,18-20	
<i>Seriola zonata</i>	24	VII-VIII,1,33-40	II,1,19-21	
<i>Trachinotus carolinus</i>	24	V-VI,1,22-27	II,1,20-23	
<i>Trachinotus falcatus</i>	24	VI,1,17-21	II,1,16-19	
<i>Trachinotus goodei</i>	24	VI,1,19-20	II,1,16-18	
<i>Cynoscion regalis</i>	24-25	X,1,24-29	II,10-13	
Grammistinae	24-25(v)	II-VIII,12-26	O-III,7-17	
<i>Helicolenus dactylopterus</i>	24-25	XII,11-13	III,5	
Carangidae	24-26	III-VIII,1,17-40	O-II,1,15-31	
Uranoscopidae	25	O-V,13-15	O,12-17	
<i>Bairdiella chrysoura</i>	25	X-XI,1,19-23	II,8-10	
<i>Cynoscion nebulosus</i>	25(v)	IX-X,25-28	II,10-12	
<i>Larimus fasciatus</i>	25	X,1,24-27	II,6-8	
<i>Menticirrhus</i> sp.	25	X,1,19-27	I,6-9	
<i>Sciaenops ocellatus</i>	25	X,1,23-25	II,7-9	
<i>Stellifer lanceolatus</i>	25	XI-XII,1,20-24	II,7-9	

Selected Meristic Characters (cont'd)

Taxon	Myomeres or Vertebrae(v)	Dorsal fin(s)	Anal fin(s)	Adipose fin
<i>Caranx crysos</i>	25	VIII,I,22-25	II,I,19-21	
<i>Decapterus punctatus</i>	25	VIII,I,27-34	II,I,24-30	
<i>Naucrates ductor</i>	25	III-IV,I-II,26-28	II,II,15-16	
<i>Centrolophus niger</i>	25	37-41	III,20-23	
<i>Achirus lineatus</i>	25-27	47-58	35-44	
<i>Poromitra</i> sp.	25-29	II-III,10-14	I,8-11	
<i>Melamphaes</i> sp.	25-31	III,13-18	I,7-9	
<i>Oligoplites saurus</i>	26	V-VI,I,19-21	II,I,18-21	
Anthiinae	26(v)	X,13-20	III,7-8	
<i>Pomatomus saltatrix</i>	26	VII-IX,23-28	II-III,24-29	
<i>Orthopristis chryoptera</i>	26	XII-XIII,15-17	III,12-13	
<i>Gobionellus boleosoma</i>	26	VI,11	11-13	
<i>Xiphias gladius</i>	26	38-49+4-5	12-18+3-4	
<i>Gobiosoma bosci</i>	27	VI-VIII,12-14	10-12	
<i>Trinectes maculatus</i>	28-29	50-56	36-46	
<i>Notolychnus valdiviae</i>	28-30(v)	10-12	12-14	yes
<i>Lophius americanus</i>	28-30	6,11-12	9-10	
Gonostomatidae	28-42(~85)	7-20	11-34(68)	yes/no
<i>Sebastes fasciatus</i>	29(x̄)	XIV-XVI,12-15	III,6-8	
<i>Sebastes viviparus</i>	29-31	XIV-XVI,12-15	III,7-9	
<i>Peprilus alepidotus</i>	29-31	II-IV,38-47	II-III,35-45	
<i>Scopelogys tristis</i>	29-32	11-13	12-14	yes
<i>Cyclothone braueri</i>	29-33	12-15	16-21	
<i>Sebastes mentella</i>	30(x̄)	XIV-XVI,14-15	III,8-9	
<i>Coryphaena hippurus</i>	30-31	58-60	27-28	
<i>Sebastes marinus</i>	30-32	XIV-XVI,12-15	III,7-9	
<i>Ariomma</i> sp.	30-32	XI-XII,14-18	III,13-16	
<i>Peprilus triacanthus</i>	30-33	II-IV,40-48	II-III,37-44	
<i>Myoxocephalus aeneus</i>	30-35	VIII-XI,12-17	8-14	
<i>Scomber japonicus</i>	31	X-XI,12+4-5	II,11+5	
<i>Scomber scombrus</i>	31	XII-XVII,11+5	II,11+5	
<i>Cubiceps pauciradiatus</i>	31	X-XII,I,15-17	II,14-16	
<i>Psenes cyanophrys</i>	31	IX-X,I,23-28	III,23-28	
<i>Etropus microstomus</i>	31-33	67-84	50-63	
Scombridae	31-66	X-XXVII,9-19+4-11	11-21+4-10	
<i>Electrona risso</i>	32-34(v)	13-14	18-19	yes
<i>Lampanyctus pusillus</i>	32-34(v)	12-13	14-16	yes
<i>Diaphus holti</i>	32-34(v)	13-14	12-14	yes
<i>Valencienellus tripunctulatus</i>	32-35	7-8	23-25	yes
<i>Diogenichthys atlanticus</i>	32-35(v)	11-12	15-16	yes
Blenniidae	32-35	XII,13-15	II,16-17	
<i>Myoxocephalus scorpius</i>	32-41	VII-XII,12-20	9-16	
<i>Coryphaena equiselis</i>	33-34	51-54	24-27	
<i>Diaphus rafinesquii</i>	33-34(v)	13-14	13-15	yes
<i>Maurolicus muelleri</i>	33-35	10-11	19-22	yes
<i>Lobianchia dofleini</i>	33-35(v)	15-17	13-15	yes
<i>Syacium papillosum</i>	33-36	79-94	62-75	
<i>Margrethia obtusirostra</i>	~34	15-16	21-26	yes
<i>Benthoosema suborbitale</i>	34(v)	11-14	16-17	yes
<i>Tautoga onitis</i>	34-35	XVI-XVII,10-11	III,7-8	
<i>Citharichthys arctifrons</i>	34-35	75-87	58-71	
<i>Benthoosema glaciale</i>	34-36(v)	12-14	17-19	yes
<i>Taaningichthys bathyphilus</i>	34-36(v)	11-14	12-14	yes

Selected Meristic Characters (cont'd)

Taxon	Myomeres or Vertebrae(v)	Dorsal fin(s)	Anal fin(s)	Adipose fin
<i>Scophthalmus aquosus</i>	34-36	63-73	46-56	
<i>Liopsetta putnami</i>	34-38	48-59	35-41	
<i>Pseudopleuronectes americanus</i> ..	34-40	60-76	44-58	
<i>Myoxocephalus octodecemspinosus</i>	34-44	VII-X,15-17	12-15	
<i>Psenes maculatus</i>	35(v)	X-XI,1,22-24	III,21-23	
<i>Hygophum benoiti</i>	35-36(v)	12-14	19-21	yes
<i>Taaningichthys paurolychnus</i>	35-36(v)	11-13	11-14	yes
<i>Bothus ocellatus</i>	35-37	76-91	58-68	
<i>Myctophum asperum</i>	35-38(v)	12-14	17-18	yes
<i>Ceratoscopelus maderensis</i>	35-38(v)	13-14	13-15	yes
<i>Lampadena anomela</i>	36(v)	14-16	13-14	yes
<i>Lobianchia gemellarii</i>	36(v)	17-18	13-15	yes
<i>Notoscopelus caudispinosus</i>	36(v)	25-27	20-21	yes
<i>Tautogolabrus adspersus</i>	36	XVIII,9-10	III,8-9	
<i>Nesiarchus nasutus</i>	36	XXII-XXIII,22-23+2	III,18-19+2	
<i>Hygophym hygomii</i>	36-37(v)	13-15	20-22	yes
<i>Lampanyctus crocodilus</i>	36-37(v)	13-15	17-18	yes
<i>Lampadena luminosa</i>	36-37(v)	14-15	13-15	yes
<i>Notoscopelus resplendens</i>	36-37(v)	21-23	18-20	yes
<i>Cyclosetta fimbriata</i>	36-37	78-87	59-67	
<i>Lampadena urophaos</i>	36-38(v)	15-16	14	yes
<i>Brama caribbea</i>	36-38(v)	32-35	27-30	
<i>Protomyctophum</i> sp.	36-41(v)	11-13	21-24	yes
<i>Bonapartia pedaliota</i>	~37	17-20	29-31	
<i>Paralichthys albigutta</i>	37	71-85	53-63	
<i>Argyropelecus hemigymnus</i>	37-38	8	6+5	
<i>Lampadena chavesi</i>	37-38(v)	13-15	12-14	yes
<i>Notoscopelus bolini</i>	37-38(v)	23-26	19-20	yes
<i>Myctophum nitidulum</i>	37-39(v)	13-14	19-20	yes
<i>Loweina rara</i>	37-39(v)	11-13	15-16	yes
<i>Paralichthys squamilentus</i>	37-39	76-85	59-65	
<i>Paralichthys lethostigma</i>	37-39	80-95	63-74	
<i>Engyophrys senta</i>	37-39	74-83	60-67	
<i>Gonostoma atlanticum</i>	~38	16-18	28-30	
<i>Parasudis truculentis</i>	38	10	8-9	yes
<i>Hygophum reinhardtii</i>	38-39(v)	13-14	22-24	yes
<i>Hemitripterus americanus</i>	38-39	XVI-XVII,1,12	13-14	
<i>Vinciguerria poweriae</i>	38-39(v)	13-15	12-14	yes
<i>Lampadena speculigera</i>	38-40(v)	13-15	14-15	yes
<i>Jenkinsia lamprotaenia</i>	38-42	10-13	13-15	
<i>Ichthyococcus ovatus</i>	38-42	11-12	15-17	yes
<i>Limanda ferruginea</i>	38-42	73-91	51-68	
<i>Anchoa mitchilli</i>	38-44	13-17	24-30	
<i>Bathophilus</i> sp.	38-45(v)	9-18	9-18	
<i>Auxis</i> sp.	39	X-XII,10-12+8-9	12-14+7-8	
<i>Euthynnus alletteratus</i>	39	XV-XVI,11-12+7	12+7	
<i>Thunnus albacares</i>	39	XIII-XIV,13-16+8-10	12-15+7-10	
<i>Thunnus thynnus</i>	39	XIII-XIV,13-15+8-10	13-16+7-9	
<i>Gonostoma elongatum</i>	39-40	12-14	29-32	yes
<i>Symbolophorus veranyi</i>	39-40(v)	12-14	21-23	yes
<i>Notoscopelus elongatus</i>	39-40(v)	21-22	18-20	yes
<i>Omosudis lowei</i>	39-41	9-11	13-14	yes

Selected Meristic Characters (cont'd)

Taxon	Myomeres or Vertebrae(v)	Dorsal fin(s)	Anal fin(s)	Adipose fin
<i>Harengula jaguana</i>	39-42	17-19	17-18	
Exocoetidae	39-50	9-15	7-14	
<i>Myctophum punctatum</i>	40(v)	13-14	20-22	yes
<i>Vinciguerria attenuata</i>	40-41(v)	13-15	14-16	yes
<i>Gonichthys cocco</i>	40-41(v)	11-12	20-23	yes
<i>Taaningichthys minimus</i>	40-41(v)	11-13	11-14	yes
<i>Trichopsetta ventralis</i>	40-41	89-95	69-75	
<i>Vinciguerria nimbaria</i>	40-42(v)	14-15	13-15	yes
<i>Psenes pellucidus</i>	40-42	IX-XII,I,27-32	III,26-31	
<i>Anchoa hepsetus</i>	40-44	13-17	18-23	
<i>Scopelarchus michaelisarsi</i>	40-44(v)	7-9	18-21	yes
<i>Scopelarchus</i> sp.	40-50	7-9	18-29	yes
<i>Katsuwonus pelamis</i>	41	XV-XVI,12-16+7-8	14-18+6-8	
<i>Nomeus gronovii</i>	41	(IX)XI-XII,24-28	II,24-26(29)	
<i>Scomberomorus cavalla</i>	41-42	XV-XVI,16-17+8-9	II,14-17+8-10	
<i>Hippoglossina oblonga</i>	41-42	71-86	58-72	
<i>Paralichthys dentatus</i>	41-42	80-96	61-73	
<i>Exocoetus volitans</i>	42-45	13-15	13-14	
<i>Urophycis regia</i>	42-49	8-9,43-51	41-50	
<i>Nansenia groenlandica</i>	43-44	10-11	9-11	
<i>Engraulis eurystole</i>	43-45	13-16	15-18	
<i>Triglops murrayi</i>	43-46	X-XII,18-24	19-23	
<i>Bathylagus euryops</i>	44-46(v)	9-11	16-19	yes
<i>Synodus poeyi</i>	44-46	10-13	9-12	yes
<i>Hippoglossoides platessoides</i>	44-47	78-98	60-79	
<i>Scopelarchus analis</i>	44-49(v)	7-9	21-26	yes
<i>Microstoma microstoma</i>	45-46	11-12	8-9	
<i>Argyripnus atlanticus</i>	45-46	11-12	13-15+9	yes
<i>Cypselurus furcatus</i>	45-46	13-14	10	
<i>Monolene sessilicauda</i>	45-46	92-107	76-84	
<i>Brevoortia smithi</i>	45-47	19-20	21-24	
<i>Sardinella aurita</i>	45-48	15-20	14-19	
<i>Pollichthys maui</i>	45-48	10-12	25-26	yes
<i>Tetragonurus atlanticus</i>	45-48	XIV-XVII,10-13	1,9-12	
<i>Ophisthonema oglinum</i>	45-49	17-22	20-25	
<i>Ulvaria subbifurcata</i>	45-49	43-44	II,30-31	
<i>Brevoortia tyrannus</i>	45-50	18-24	18-24	
<i>Urophycis chuss</i>	45-50	9-11,53-64	45-56	
<i>Chlorophthalmus agassizi</i>	46-48	10-11	7-9	yes
<i>Symphurus plagiusa</i>	46-48	85-92	69-78	
<i>Saurida brasiliensis</i>	46-50	10-13	9-12	yes
<i>Scopelarchus guentheri</i>	46-50(v)	7-8	24-29	yes
<i>Synodus intermedius</i>	47-50	10-13	9-12	yes
<i>Ahliesaurus berryi</i>	47-50	(See Scopelosauridae)		
<i>Argentina striata</i>	47-51	10-12	11-13	yes
<i>Bregmaceros</i> sp.	47-59(v)	44-65	44-68	
Scopelosauridae	47-61	10-13	16-21	yes
<i>Bathylagus longirostris</i>	48(v)	11-12	19-21	yes
<i>Bathylagus bericoides</i>	48-49(v)	10-11	18-22	yes
<i>Etrumeus teres</i>	48-50	16-22	10-12	
<i>Pterycombus brama</i>	48-51(v)	48-53	38-43	
<i>Taractichthys longipinnis</i>	48-51(v)	33-38	27-30	

Selected Meristic Characters (cont'd)

Taxon	Myomeres or Vertebrae(v)	Dorsal fin(s)	Anal fin(s)	Adipose fin
<i>Oxyporhamphus micropterus</i>	49-51	13-15	13-16	
<i>Saurida normani</i>	49-52	10-13	9-12	yes
<i>Saurida suspicio</i>	49-52	10-13	9-12	yes
<i>Pteraclis carolinus</i>	49-52(v)	48-54	42-47	
<i>Gadus morhua</i>	49-53	13-16,16-25,18-21	20-24,17-22	
<i>Hyporamphus unifasciatus</i>	49-53	12-16	14-18	
<i>Gempylus serpens</i>	49-53	XXX-XXXII,I-II, 10-12+5-7	II,I,9-13+5-7	
<i>Bathypterois</i> sp.	49-61	12-16	7-13	yes
<i>Photonectes parvimanus</i>	49-64(v)	15-22	15-24	
<i>Alepisaurus</i> sp.	~50	36-48	13-18	yes
<i>Hippoglossus hippoglossus</i>	50-51	98-106	69-84	
<i>Scomberomorus maculatus</i>	50-53	XVI-XVIII,15-18+8-9	II,14-17+8-10	
<i>Sarda sarda</i>	50-55	XX-XXIII,13-18+6-9	14-17+6-8	
<i>Melanogrammus aeglefinus</i>	50-57	14-17,20-24,19-22	21-25,20-24	
<i>Bathylagus compsus</i>	51(v)	10-11	19-20	yes
<i>Enchelyopus cimbrius</i>	51-55	1,~50,45-55	39-49	
<i>Stichaeus punctatus</i>	51-55	46-49	I-II,32-35	
<i>Chauliodus danae</i>	51-58	(5)-6	10-11(12)	yes
<i>Hemiramphus brasiliensis</i>	52-55	12-15	11-15	
<i>Saurida caribbea</i>	52-58	10-13	9-12	yes
<i>Clupea harengus</i>	52-62	16-22	15-21	
<i>Sudis atrox</i>	53-54	10-12	20-21	yes
<i>Merluccius albidus</i>	53-55	10-13,35-41	35-42	
<i>Scopelosuarus smithii</i>	53-56	(See Scopelosauridae)		
<i>Pollachius virens</i>	53-57	13-14,21-22,24-28	24-28,20-21	
<i>Merluccius bilinearis</i>	54-56	11-14,36-42	37-42	
<i>Hemiramphus balao</i>	54-56	13-14	11-13	
<i>Megalops atlanticus</i>	54-57	13-16	22-25	
<i>Synodus synodus</i>	54-57	10-13	8-9	yes
<i>Trachinocephalus myops</i>	54-57	10-13	14-15	yes
<i>Scopelosaurus argenteus</i>	54-57	(See Scopelosauridae)		
<i>Scopelosaurus maui</i>	55-57	(See Scopelosauridae)		
<i>Synodus saurus</i>	55-58	10-13	9-12	yes
<i>Eustomias</i> sp.	55-78(v)	20-30	32-46	
Ophidiidae	~55-80	102-158	82-124	
<i>Synodus foetens</i>	56-61	10-13	9-12	yes
<i>Chauliodus sloani</i>	57-58	5-7	10-13	yes
<i>Glyptocephalus cynoglossus</i>	58-60	97-117	86-102	
<i>Scopelosaurus lepidus</i>	58-61	(See Scopelosaruidae)		
<i>Diplospinus multistriatus</i>	58-61	XXX-XXXIV,36-42	II,29-32	
<i>Sudis hyalina</i>	59-60(v)	12-16	21-24	yes
<i>Ammodytes</i> sp.	59-78	51-67	23-35	
<i>Paralepis atlantica</i>	60-73(v)	9-11	20-26	yes
<i>Reinhardtius hippoglossoides</i>	61-63	92-104	66-80	
<i>Ammodytes americanus</i>	61-68(v)			
<i>Ammodytes hexapterus</i>	61-73(v)	51-62	23-33	
<i>Osmerus mordax</i>	62-64	10-11	15-17	yes
<i>Acanthocybium solanderi</i>	62-66	XXI-XXVII,12+9	12-13+9	
<i>Mallotus villosus</i>	62-73	12-14	17-22	yes
<i>Brosme brosme</i>	64-66	85-105	71-76	
<i>Argentina silus</i>	64-67	11-13	13-17	yes

Selected Meristic Characters (cont'd)

Taxon	Myomeres or Vertebrae(v)	Dorsal fin(s)	Anal fin(s)	Adipose fin
<i>Stomias brevibarbus</i>	64-68(v)	16-20	19-22	
<i>Scomberesox saurus</i>	64-68	9-12	12-13	
<i>Ammodytes dubius</i>	64-75(v)	55-67	26-35	
<i>Flagellostomias boureei</i>	~65(v)	14-17	21-26	
<i>Paralepis elongata</i>	65-67(v)	10-12	20-25	yes
<i>Albula vulpes</i>	65-72	17-19	8-10	
<i>Stomias affinis</i>	66-71(v)	17-20	18-23	
<i>Stomias colubrinus</i>	66-72(v)	17-22	21-25	
<i>Lumpenus maculatus</i>	66-72	57-64	1,34-40	
<i>Paralepis coregonoides</i>	68-74(v)	9-11	22-26	yes
<i>Strongylura marina</i>	69-77	14-17	16-20	
<i>Euleptorhamphus velox</i>	71-73	22	23	
<i>Elops saurus</i>	72-82	25-29	16-19	
<i>Stomias boa</i>	75-78(v)	?	18-21	
<i>Leptostomias gladiator</i>	75-83(v)	16-22	20-29	
<i>Lestidiops affinis</i>	75-85(v)	8-10	27-30	yes
<i>Lestidium atlanticum</i>	75-87(v)	9-11	26-32	yes
<i>Lestidiops jayakari</i>	76-85(v)	10	27-31	yes
<i>Idiacanthus fasciola</i>	~78	54-74	38-49	
Cyemidae	~80			
<i>Tylosurus crocodilus</i>	80-84	21-23	18-22	
<i>Notolepis rissoi</i>	80-85(v)	8-11	31-34	yes
<i>Lumpenus lumpretaeformis</i>	80-85	68-76	1,46-53	
Macrouridae	80-116+	8-13(15),many	many	
<i>Stomias ferox</i>	81-84	17-21	19-23	
<i>Macroparalepis breve</i>	81-86(v)	11-13	19-24	yes
<i>Diplophos taenia</i>	~85	10-11	68	
<i>Pholis gunnellus</i>	86-89	80-83	11,42-44	
<i>Tylosurus acus</i>	90-95	22-26	20-24	
<i>Lestrolepis intermedia</i>	91-98(v)	9	41-44	yes
<i>Ablennes hians</i>	93-97	23-26	24-28	
<i>Macroparalepis affine</i>	96-103(v)	10-14	25-28	yes
Moringuidae	96-102			
Xenocoelidae	98-141			
Ophichthidae	100+			
Carapidae	100+			
Congridae	100+-200+			
Saccopharyngoidei	100-250			
<i>Anguilla rostrata</i>	102-111			
Anguillidae	102-119			
Muraenidae	107-174			
Heterenchelyidae	~108-109			
<i>Anguilla anguilla</i>	111-119			
<i>Stemonosudis intermedia</i>	111-121(v)	9-10	41-47	yes
Synphobranchidae	119-204			
Derichthyidae	126-159			
<i>Ophichthus cruentifer</i>	142-162			
Serrivomeridae	150-170			
Nemichthyidae	170-300+			
Muraenesocidae	175-200+			
Nettastomatidae	190-250			