

The following supplement accompanies the article

Host diet influences parasite diversity: a case study looking at tapeworm diversity among sharks

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Table S1. Table displaying the prey families recorded for each of 91 different shark species. Shark diet records were obtained from ISI Web of Knowledge by searching the latin name of each shark species (plus all known synonyms) combined with keywords “diet* OR feed* OR prey*”. This table includes all references that were published on ISI Web of Knowledge (all databases) between 1864 to 2017 (April). Prey families marked in red font indicate families of terrestrial mammals. The total number of references listed, as well as the number of references with relevant diet information are given for each species. Additionally, the sum of stomachs examined (containing food) for all diet records is given for each shark species, with the total number of stomachs (including empty) following in parentheses. Entries in parentheses marked with red font indicate minimum estimates (sometimes only the number of stomachs containing food was provided).

Shark Species	Total No. Prey Families	List of prey families in diet of shark species [references]	Total No. Refs	Refs with diet info	Stomachs examined with food (total Inc. empty)
<i>Alopias superciliosus</i>	42	Alepisauridae [8], Ancistrocheiridae [1-2,6], Belonidae [1-2,5-6], Carangidae [4], Clupeidae [1-2,4-6,8], Coryphaenidae [1-2,5-6], Cranchiidae [4], Echeneidae [1-2,5], Engraulidae [4], Enoploteuthidae [1-2,6], Exocoetidae [1,5-6], Fistulariidae [1-2,5-6], Gonatidae [4], Hemiramphidae [5], Histioteuthidae [1-2,4-6], Istiophoridae [8], Loliginidae [2,4-5], Lutjanidae [1,6], Mastigoteuthidae [1-2,5-6], Merlucciidae [1-2,4-6], Munididae [4], Myctophidae [1-2,5], Octopoteuthidae [1,4,6], Ommastrephidae [1-2,4-7], Ophichthidae [1-2,6], Ophidiidae [5], Paralepididae [4], Penaeidae [5], Pholidoteuthidae [2], Sciaenidae [1-2,5-6], Scomberesocidae [4], Scombridae [1-2,4-6,8], Scorpaenidae [1,6], Sebastidae [4],	26	8	448 (523)

		Serranidae [1,6], Solenoceridae [6], Steniteuthidae [1], Synodontidae [1], Tetraodontidae [1-2,5-6], Thysanoteuthidae [2], Trachipteridae [4,6], Trichiuridae [3],			
<i>Alopias vulpinus</i>	21	Arripidae [9], Atherinidae [10,12], Berycidae [9], Carangidae [9-10,12-13], Clupeidae [9-12], Engraulidae [9-12], Gadidae [13], Gonatidae [12], Loliginidae [10-12], Luvaridae [12], Merlucciidae [10-12], Munididae [12], Ommastrephidae [10-11], Paralepididae [10], Paralichthyidae [10,12], Sciaenidae [12], Scomberesocidae [10], Scombridae [11-13], Sebastidae [10-12], Sphyradenidae [12], Stromateidae [12]	31	5	349 (506)
<i>Carcharhinus acronotus</i>	5	Loliginidae [14], Muraenidae [14], Octopodidae [14], Pomacentridae [14], Serranidae [14]	12	1	19 (86)
<i>Carcharhinus amblyrhynchoides</i>	14	Ariidae [17], Carangidae [17], Clupeidae [17], Hemiramphidae [36], Labridae [17], Leiognathidae [17,36], Ophichthidae [17], Penaeidae [17,36], Platycephalidae [17], Plotosidae [17], Scombridae [17], Sillaginidae [17], Squillidae [17], Terapontidae [17]	2	2	163 (241)
<i>Carcharhinus amblyrhynchos</i>	24	Acanthuridae [16], Apogonidae [37], Ariidae [38,285], Carangidae [38,285], Chaetodontidae [16], Clupeidae [38], Elapidae [37], Gerreidae [36], Hemiramphidae [38], Holocentridae [16], Leiognathidae [36], Monacanthidae [16], Mugilidae [38], Mullidae [36], Muraenidae [16,37-38], Octopodidae [37], Palinuridae [15], Penaeidae [36,285], Pomacentridae [16], Scaridae [16], Scombridae [17], Scorpaenidae [16], Sepiidae [37], Zanclidae [16]	25	9	173 (400)
<i>Carcharhinus amboinensis</i>	50	Acanthuridae [19], Ariidae [17-19], Carangidae [18-19], Carcharhinidae [18-20], Chanidae [18], Chirocentridae [19], Clupeidae [17], Cynoglossidae [18], Dasyatidae [19], Delphinidae [18], Diodontidae [18], Elapidae [19-20], Engraulidae [20], Gobiidae [19], Gymnuridae [18], Haemulidae [18], Istiophoridae [17], Labridae [19], Leiognathidae [18-19], Loliginidae [17,19], Megalopidae [19], Mugilidae [18], Myliobatidae [18], Octopodidae [18], Ommastrephidae [19], Oplegnathidae [18], Penaeidae [19], Platycephalidae [18], Pomacanthidae [19], Pomatomidae [18], Polynemidae [17,19-20], Portunidae [17], Psettodidae [19], Rhinobatidae [18], Sciaenidae [18-19], Scombridae [17- 19], Scyliorhinidae [18], Sepiidae [18-19], Sepiolidae [19], Serranidae [18],	9	4	227 (338)

Sparidae [18-19], Sphyrnidae [18], Squatinidae [18], Squillidae [19],
 Synodontidae [18], Terapontidae [19], Tetraodontidae [19], Triacanthidae [20],
 Triacanthodidae [20], Trichiuridae [18]

<i>Carcharhinus brachyurus</i>	56	Alcyoniidae [22], Apogonidae [23], Arhynchobatidae [22], Arripidae [9], Atherinidae [22-23], Batrachoididae [22], Callianassidae [23], Callorhynchidae [22-23], Carangidae [9,21,23], Cheilodactylidae [23], Clupeidae [9,21-23], Congridae [22], Delphinidae [21], Dussumieriidae [21,23], Engraulidae [9,22-23], Gadidae [9], Gempylidae [9], Haemulidae [21,23], Hemiramphidae [9], Labridae [9], Loliginidae [9,21,23,39], Merlucciidae [23], Monacanthidae [9], Mugilidae [9,21,23], Mullidae [21], Myliobatidae [21-23], Nassariidae [22], Octopodidae [23], Odacidae [9], Ommastrephidae [9,23], Ophidiidae [9,23], Ovalipidae [9], Penaeidae [9,23], Pentanchidae [21], Percophidae [22], Pinguipedidae [22], Platycephalidae [9], Plotosidae [9], Pomatomidae [21], Rajidae [9,22], Rhinobatidae [21,23], Sciaenidae [9,22-23], Scombridae [9,21,23], Scorpaenidae [9], Sepiidae [9,21,23], Serranidae [22-23], Sillaginidae [9], Sparidae [9,21-23], Sphyaenidae [9], Squalidae [21,23], Squatinidae [21-22], Stromateidae [22], Terapontidae [9], Triakidae [22], Trichiuridae [21], Urolophidae [9]	12	4	895 (2264)
<i>Carcharhinus brevipinna</i>	33	Ancistrocheiridae [26], Ariidae [25-26], Carangidae [17,24,26], Carcharhinidae [26], Clupeidae [17,24-25], Engraulidae [24-27], Exocoetidae [24], Gerreidae [17,26], Haemulidae [24,26], Leiognathidae [17,26], Loliginidae [26], Monacanthidae [17], Monodactylidae [26], Mugilidae [24,26], Mullidae [17,26], Muraenidae [24], Nemipteridae [17], Octopodidae [24,26], Paralichthyidae [24], Pomacanthidae [26], Pomatomidae [26], Rhinobatidae [26], Sciaenidae [25-26], Scombridae [17,24,26-27], Sepiidae [26], Soleidae [26], Sparidae [26], Sphyaenidae [24,26], Sphyrnidae [26], Syngnathidae [25], Synodontidae [24,26], Trichiuridae [26], Triglidae [26]	27	6	559 (2038)
<i>Carcharhinus dussumieri</i>	40	Anguillidae [17], Apogonidae [17], Balistidae [17], Bothidae [17], Bregmacerotidae [17], Callianassidae [17], Callionymidae [17], Carangidae [38], Centriscidae [17], Clupeidae [17], Congridae [17], Cynoglossidae [17], Engraulidae [17,38,40], Fistulariidae [17], Gerreidae [36], Gobiidae [17,38], Hemiramphidae [36], Hypoptychidae [17], Labridae [17,38], Leiognathidae [17,36,38,40], Loliginidae [17], Monacanthidae [17,36], Mugilidae [17,36],	4	4	470 (695)

Mullidae [17], Muraenesocidae [17], Muraenidae [17], Myctophidae [17], Nemipteridae [17], Ogcocephalidae [17], Penaeidae [17,36, 40], Platycephalidae [17], Portunidae [17], Priacanthidae [17], Raninidae [17], Scombridae [17], Scorpaenidae [17], Squillidae [17], Synodontidae [17], Tetraodontidae [17], Uranoscopidae [17]

<i>Carcharhinus falciformis</i>	44	Alloposidae [29], Amphitretidae [29], Ancistrocheiridae [2,28-30], Argonautidae [2,17,28-30], Balistidae [2,17,28,30-31], Carangidae [2,28-30], Clupeidae [30], Coryphaenidae [2,28-30], Diodontidae [29], Echeneidae [29], Enoploteuthidae [28], Exocoetidae [29-31], Galatheididae [29], Gempylidae [28], Gobiidae [31], Gonatidae [2,30], Haemulidae [30], Hemiramphidae [29], Histioteuthidae [2,30], Istiophoridae [29], Kyphosidae [29], Labridae [2,30], Mastigoteuthidae [29], Molidae [29], Monacanthidae [17,28], Mugilidae [41], Munididae [29-30], Myctophidae [28-29], Nomeidae [28-29], Octopodidae [28], Octopoteuthidae [29], Ommastrephidae [2,28-31], Onychoteuthidae [2,28-29], Ostraciidae [29], Penaeidae [2], Polynemidae [31], Portunidae [17,28-29,31], Priacanthidae [2,28,30], Scombridae [2,27-31], Sepiidae [17], Sphyraenidae [28,30], Tetraodontidae [29-30], Tremoctopodidae [29], Vitreledonellidae [29]	31	7	864 (1447)
<i>Carcharhinus galapagensis</i>	16	Acanthuridae [32], Balistidae [32], Belonidae [32], Carangidae [32], Clupeidae [32], Diodontidae [32], Holocentridae [32], Lethrinidae [32], Monacanthidae [32], Muraenidae [32], Pomacentridae [32], Priacanthidae [32], Scaridae [32], Scombridae [32], Serranidae [32], Synodontidae [32]	10	3	96 (178)
<i>Carcharhinus isodon</i>	11	Carangidae [25,33], Carcharhinidae [34], Clupeidae [25,33-35], Elopidae [25], Engraulidae [25], Penaeidae [34-35], Portunidae [33], Sciaenidae [25,33-34], Scombridae [33-34], Sparidae [25], Syngnathidae [25]	10	4	142 (293)
<i>Carcharhinus leucas</i>	73	Achiridae [46], Ambassidae [19], Anguillidae [19], Ariidae [19,42,45-47], Batrachoididae [46], Bradypodidae [44], Carangidae [19,42,45-46], Carcharhinidae [19,42,45-46], Centropomidae [19,44], Characidae [44], Cheilodactylidae [42], Cheloniidae [42,44,47], Cichlidae [42,44], Clariidae [42], Clupeidae [42-43,46-47], Coryphaenidae [42], Crocodylidae [47], Dasyatidae [19,42,45-46], Dermochelyidae [42], Dinopercidae [42], Drepaneidae [42], Elapidae [43], Eleotridae [44], Elopidae [46], Engraulidae [42], Ephippidae [42],	88	7	1034 (1967)

Gecarcinidae [44], Gerreidae [45], Gobiidae [19,45], Haemulidae [42,44-45], Hemiramphidae [47], **Hominidae [42]**, Labridae [42], Lamnidae [42], Latidae [47], Leiognathidae [19], Lepisosteidae [44], Lutjanidae [44], Megalopidae [44], Monodactylidae [42], Mugilidae [42,44,46-47], Muraenidae [42], Myliobatidae [42,45], Octopodidae [42], Odontaspidae [42], Ophichthidae [46], Osteoglossidae [19,47], Ovalipidae [42], Palaemonidae [19,47], Penaeidae [46], Platycephalidae [42], Plotosidae [42], Polynemidae [47], Pomatomidae [42], Portunidae [45-46], Pristidae [44,47], Rhinobatidae [42], Sciaenidae [42,45-47], Scombridae [19,42,45], Scyliorhinidae [42], Sepiidae [42], Serranidae [42], Sesarmidae [42], Sparidae [42,46], Sphyrnidae [42,45], Squalidae [42], Squatinidae [42], Stegostomatidae [42], Suidae [47], Synbranchidae [19], Synodontidae [42,46-47], Triakidae [42], Tyrannidae [44]

<i>Carcharhinus limbatus</i>	72	Acanthuridae [54], Achiridae [33], Albulidae [54,56], Ariidae [25,38,48,51,55], Atherinopsidae [53], Balistidae [48,50,56], Batrachoididae [55], Belonidae [48,54], Berycidae [48], Blenniidae [48], Bothidae [33,53], Carangidae [25,48,50,53-54], Carcharhinidae [48,55], Chaetodontidae [54,56], Cichlidae [48], Clupeidae [25,33,35,38,40,48,50-51,53-56], Cynoglossidae [38,48], Dasyatidae [33], Delphinidae [48], Dinopercidae [48], Echeneidae [48], Elopidae [25,48], Engraulidae [25,48,50,53], Ephippidae [51], Gerreidae [54,56], Gymnuridae [48], Haemulidae [48,50,54,56], Hemiramphidae [50], Holocentridae [56], Kyphosidae [48], Labridae [48], Leiognathidae [40,48], Lethrinidae [38], Loliginidae [25,48,50,53], Lutjanidae [25,48,54,56-57], Megalopidae [51], Monodactylidae [48], Mugilidae [48], Mullidae [56], Muraenidae [49], Myliobatidae [50,55], Octopodidae [48], Ophichthidae [33], Oplegnathidae [48], Ostraciidae [48], Palinuridae [48], Paralichthyidae [50-51,55], Penaeidae [25,33,50-53], Plotosidae [48], Pomacanthidae [48], Pomacentridae [48,54], Pomatomidae [48], Rajidae [50], Rhinobatidae [48], Scaridae [54,56], Sciaenidae [25,33,38,48,50-51,53,55], Scombridae [27,48,55-57], Scyliorhinidae [48], Sepiidae [48], Serranidae [48], Sillaginidae [38], Sparidae [25,48,54,56-57], Sphyaenidae [49], Sphyrnidae [48,55], Squillidae [52], Stromateidae [33,53], Syngnathidae [25], Synodontidae [25,40,48], Terapontidae [40], Tetraodontidae [48], Triacanthidae [38], Trichiuridae [33,48,50,53]	64	16	1624 (3056)
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<i>Carcharhinus longimanus</i>	9	Alepisauridae [58], Berycidae [27], Bramidae [58], Carangidae [27], Clupeidae [58], Coryphaenidae [59], Pomatomidae [27], Scombridae [58], Sparidae [27]	20	3	44 (89)
<i>Carcharhinus macloti</i>	11	Carangidae [17], Chirocentridae [17], Clupeidae [17], Dasyatidae [17], Engraulidae [17], Hoplichthyidae [17], Leiognathidae [17], Nemipteridae [17], Platycephalidae [17], Scombridae [17], Synodontidae [17]	2	1	91 (216)
<i>Carcharhinus melanopterus</i>	37	Acanthuridae [60], Aplysinidae [60], Apogonidae [63], Acrochordidae [63], Atherinidae [37], Balistidae [60], Carangidae [36], Chanidae [63], Elapidae [37,63], Ephippidae [63], Fistulariidae [37], Gerreidae [36], Haemulidae [36], Haliotidae [37], Labridae [37,60,63], Leiognathidae [36], Lethrinidae [60], Loliginidae [37], Lutjanidae [37,63], Monacanthidae [63], Mullidae [36,60], Muraenidae [37], Muridae [61] , Octopodidae [37], Platycephalidae [63], Pomacanthidae [37], Portunidae [60], Scaridae [37,60], Sparidae [63], Sternidae [37], Sulidae [61], Synodontidae [37],	45	6	133 (231)
<i>Carcharhinus obscurus</i>	105	Acanthuridae [67,319], Achiridae [66], Albulidae [65], Anguillidae [65,319], Apogonidae [65], Ariidae [23,64], Atherinidae [66], Aulopidae [65], Balistidae [64,66], Belonidae [319], Cancridae [66], Carangidae [9,50,64-65,67], Carcharhinidae [27,50,64-65,67], Cheilodactylidae [64-65], Cheloniidae [50], Chirocentridae [64], Chlorophthalmidae [64], Cichlidae [64], Clupeidae [9,23,64-65,67], Congridae [50,319], Cynoglossidae [64-65], Dactylopteridae [319], Dasyatidae [23,64-66], Delphinidae [64], Elopidae [64,67], Engraulidae [23,50,64,66-67], Enoploteuthidae [319], Ephippidae [50,319], Exocoetidae [64], Fistulariidae [68], Gempylidae [9,64], Gerreidae [64-65], Gobiidae [23,67], Gymnuridae [64], Haemulidae [23,64,67], Hemiramphidae [65], Heterodontidae [9,65], Istiophoridae [319], Kyphosidae [64-65], Labridae [65], Lamnidae [319], Leiognathidae [64], Lethrinidae [67], Limulidae [66], Loliginidae [23,50,64,66-67], Lophiidae [66], Lutjanidae [50], Lycoteuthidae [319], Macrouridae [64], Matutidae [67], Monacanthidae [65], Mugilidae [23,64-65,67], Mullidae [50,64-65,67], Muraenidae [64], Myctophidae [319], Myliobatidae [64-65], Nassariidae [66-67], Neosebastidae [65], Octopodidae [9,23,64,67,319], Octopoteuthidae [319], Odacidae [9], Odontaspidae [64], Ommastrephidae [9,64], Ophidiidae [9], Oplegnathidae [64], Ostraciidae [64,68], Ovalipidae [9,66], Palinuridae	41	10	2466 (6467)

[23,64,67], Paralichthyidae [50,65-66], Penaeidae [9,67], Pentacerotidae [65], Pentanchidae [64], Peristediidae [319], Platycephalidae [65,319], Pleuronectidae [319], Plotosidae [64-65], Pomacentridae [65,319], Pomatomidae [64,66-68], Priacanthidae [319], Pristigasteridae [64], Rajidae [50,64,66], Rhinobatidae [23,64-65], Scaridae [65], Sciaenidae [23,50,64,66-67], Scombridae [9,23,64-65,67], Scyliorhinidae [319], Sepiidae [9,23,64,67], Serranidae [23,64-65], Sillaginidae [9], Sparidae [9,23,64,67], Sphyrnaeidae [9,64,67], Sphyrnidae [64-65], Spirulidae [67], Squalidae [319], Squatinidae [64], Stromateidae [66], Syngnathidae [65,319], Synodontidae [50,64,67], Terapontidae [319], Triakidae [64-65,67], Trichiuridae [23,50,67,319], Triglidae [50,66-67,319], Uranoscopidae [9,65-66], Urolophidae [65], Zeidae [23]

<i>Carcharhinus plumbeus</i>	110	Acanthuridae [70], Achiridae [69], Acropomatidae [73], Ammodytidae [17,69], Anguillidae [69,74-75], Apogonidae [73], Atherinopsidae [74], Aulostomidae [70], Balistidae [17,70,72], Belonidae [70,72], Bothidae [17,70-71], Callianassidae [69], Callionymidae [70], Cancridae [69,71,75], Caproidae [17], Carangidae [17,69-73], Carcharhinidae [69], Carcinidae [69], Centrolophidae [73], Chaetodontidae [70], Champsodontidae [17], Chauliodontidae [71], Clupeidae [69,71-72,74-75,81], Congridae [17,69-71,73], Cottidae [71], Crangonidae [69], Cynoglossidae [69], Dasyatidae [69,71], Diodontidae [70], Engraulidae [69,73-74,81], Ephippidae [69], Epialtidae [69], Exocoetidae [70], Fistulariidae [69-70], Fundulidae [69,74-75], Gadidae [71], Gonatidae [71], Holocentridae [70], Labridae [17,70-71], Leiognathidae [17], Lethrinidae [17], Leucosiidae [69], Limulidae [69], Littorinidae [69], Loliginidae [17,69,72,74,81], Lophiidae [69,71], Lutjanidae [70], Lysmatidae [69], Mactridae [69], Majidae [69], Merlucciidae [71], Monacanthidae [70], Monocentridae [17], Moronidae [69], Mugilidae [69,72-73,81], Mullidae [17,70,72], Muraenidae [70], Myliobatidae [69], Mytilidae [69], Nassariidae [69], Naticidae [69], Nemipteridae [17], Nuculidae [69], Octopodidae [72,76], Ommastrephidae [69,71,73], Ophidiidae [69,71], Ophichthidae [71], Ophiuridae [70], Ostraciidae [70], Ovalipidae [69,74-75], Paguridae [69], Paralichthyidae [69,74], Penaeidae [17,69,72], Pharidae [69], Phocoenidae [70], Phycidae [69,81], Pinguipedidae [17], Pleuronectidae [69,71], Pomacanthidae [17], Pomatomidae [69,71,74-75], Portunidae [69,74-75], Priacanthidae [17,70],	87	10	2022 (2757)
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Rachycentridae [69], Rajidae [69,71-72], Scaridae [70,76], Sciaenidae [69,74-75,81], Scombridae [17,70-72], Scopthalmidae [69], Scorpaenidae [70], Scutellidae [71], Scyliorhinidae [17], Sepiidae [72], Serranidae [69], Soleidae [72], Sparidae [69,72,81], Sphyraenidae [70], Squalidae [71], Squatinidae [81], Squillidae [69,72,74-75], Stromateidae [71,73,81], Syngnathidae [69-70,74], Synodontidae [17,70-71], Tetraodontidae [17,69-70,75], Triakidae [69,71,74,81], Trichiuridae [17,73], Triglidae [69-71,81], Upogebiidae [69], Uranoscopidae [69], Zanclidae [70], Zoarcidae [71]

<i>Carcharhinus porosus</i>	15	Achiridae [77], Ariidae [77], Carcharhinidae [77], Clupeidae [77], Dasyatidae [77], Engraulidae [77], Ehippidae [77], Loliginidae [77], Mugilidae [77], Penaeidae [77], Polynemidae [77], Portunidae [77], Sciaenidae [77], Stromateidae [77], Trichiuridae [77]	4	1	171 (684)
<i>Carcharhinus sealei</i>	6	Carangidae [78], Clupeidae [78], Hemiramphidae [78], Labridae [78], Lutjanidae [78], Nemipteridae [78]	1	1	30 (108)
<i>Carcharhinus signatus</i>	13	Acanthuridae [79], Bramidae [79], Chiroteuthidae [79], Cranchiidae [79], Histioteuthidae [79], Howellidae [79], Myctophidae [79], Octopodidae [79], Octopoteuthidae [79], Ommastrephidae [79], Scombridae [79], Serranidae [79], Xiphiidae [79]	6	1	215 (415)
<i>Carcharhinus sorrah</i>	39	Ammodytidae [80], Apogonidae [20], Ariidae [80], Balistidae [80], Bothidae [20,80], Carangidae [20,36,80], Centriscidae [80], Chirocentridae [80], Clupeidae [20,80], Congridae [80], Dactylopteridae [80], Diodontidae [80], Exocoetidae [80], Fistulariidae [80], Gerreidae [20,80], Haemulidae [20,36], Leiognathidae [20,36,40,80], Lethrinidae [80], Loliginidae [20], Menidae [20,80], Monacanthidae [36,80], Mullidae [20,36,80], Nemipteridae [80], Ostraciodontidae [80], Penaeidae [20,36,38,40], Polynemidae [20], Portunidae [80], Priacanthidae [80], Scaridae [80], Sciaenidae [20], Scombridae [80], Sillaginidae [20], Soleidae [20], Spirulidae [20], Synodontidae [40,80], Terapontidae [20], Tetraodontidae [20,80], Trichiuridae [80], Triglidae [80]	6	5	731 (1388)
<i>Carcharhinus tilstoni</i>	46	Anguillidae [80], Ariidae [20,38,80], Balistidae [80], Bothidae [80], Carangidae [20,80], Carcharhinidae [80], Clupeidae [20,38,40,80], Coryphaenidae [80], Cynoglossidae [38], Dactylopteridae [80], Diodontidae [80], Elapidae [80],	4	5	1192 (2402)

Engraulidae [20], Exocoetidae [80], Gerreidae [20,36], Haemulidae [36,80], Hemigaleidae [80], Hemiramphidae [36,80], Leiognathidae [20,36,40,80], Lethrinidae [38,80], Loliginidae [20,80], Lutjanidae [80], Monacanthidae [80], Mullidae [20,36,80], Muraenesocidae [80], Myctophidae [80], Nemipteridae [80], Paralepididae [80], Penaeidae [20,36], Platycephalidae [80], Polynemidae [20], Priacanthidae [80], Psettodidae [80], Scaridae [80], Sciaenidae [36,38,80], Scombridae [20,40,80], Scorpaenidae [80], Sillaginidae [38], Sphyracidae [80], Synodontidae [20,80], Terapontidae [40], Tetraodontidae [80], Triacanthidae [38,80], Trichiuridae [80], Triglidae [80], Uranoscopidae [80]

<i>Carcharias taurus</i>	56	Achiridae [66], Aphroditidae [83], Arhynchobatidae [83], Ariidae [82], Atherinidae [83], Batrachoididae [81,83], Bothidae [82], Carangidae [81-83], Carcharhinidae [66,81,82], Cheilodactylidae [82-83], Clupeidae [66,81-83], Congridae [83], Ctenodiscidae [83], Cynoglossidae [82], Dasyatidae [82], Dussumieriidae [82], Echeneidae [82], Gonorynchidae [82], Haemulidae [82], Hexanchidae [83], Labridae [66], Loliginidae [39,66,81-82], Lophiidae [66], Merlucciidae [82], Mugilidae [82], Myliobatidae [66,82-83], Nassariidae [83], Octopodidae [82], Ophidiidae [66,82], Paguridae [66,83], Paralichthyidae [66,83], Pentanchidae [82], Percophidae [81,83], Phycidae [83], Pinguipedidae [83], Platyxanthidae [83], Pomatomidae [66,82-83], Rajidae [66,82-83], Rhinobatidae [82], Sciaenidae [66,81-83], Scombridae [66,81-82], Scopthalmidae [66], Scyliorhinidae [82], Sepiidae [82], Serranidae [83], Soleidae [82], Sparidae [66,81-82], Squalidae [82], Squatinidae [66,83], Stromateidae [66,81,83], Synodontidae [66], Torpedinidae [82], Triakidae [66,81-83], Trichiuridae [81], Triglidae [66,82-83], Uranoscopidae [83]	46	5	801 (1000)
<i>Carcharodon carcharias</i>	43	Acipenseridae [94], Alopiidae [91], Ariidae [84], Asteroiidae [85], Bursidae [94], Cancriidae [85,88,94], Carcharhinidae [84], Cetorhinidae [89,94], Chiroteuthidae [91], Clupeidae [84-85,89,94], Cottidae [89,94], Dasyatidae [84,94], Delphinidae [84,90], Engraulidae [94], Haemulidae [91], Hexagrammidae [89,94], Loliginidae [91], Merlucciidae [85,88], Moronidae [94], Myliobatidae [84,89,94,96], Odontaspidae [84], Otariidae [84,87,94-95], Phocidae [88,92-94,97], Phocoenidae [86], Phycidae [85], Pleuronectidae [85,92], Pomatomidae [85], Rajidae [85], Rhincodontidae [91], Rhinobatidae [84], Salmonidae [88,92,94],	266	17	329 (512)

		Sciaenidae [84,89,94,96], Scombridae [84,96,98], Sebastidae [88,94], Sepiidae [84], Serranidae [91], Sparidae [84], Sphyraenidae [84], Sphyrnidae [84,91], Squalidae [84,89,94], Stromateidae [85], Triakidae [85,89,94,96], Triglidae [85]			
<i>Centrophorus granulosus</i>	28	Apogonidae [100], Argentinidae [99], Brachioteuthidae [100], Calappidae [99], Callionymidae [99], Clupeidae [100], Cranchiidae [100], Etmopteridae [99], Gadidae [99], Geryonidae [99], Histioteuthidae [100], Lepidoteuthidae [100], Macrouridae [99], Myctophidae [99], Nephropidae [99], Octopoteuthidae [100], Ommastrephidae [99], Pandalidae [99], Pentanchidae [99], Phosichthyidae [99], Phycidae [99], Polybiidae [99], Rajidae [99], Scombridae [100], Sepiidae [99], Sepiolidae [99], Soleidae [100], Trachichthyidae [99]	11	3	153 (194)
<i>Centrophorus squamosus</i>	16	Alepocephalidae [102], Argentinidae [104], Bramidae [101], Carangidae [101,103], Chimaeridae [102], Congridae [101], Diretmidae [103], Gadidae [102], Macrouridae [102-104], Merlucciidae [101,103], Moridae [104], Onychoteuthidae [103], Oreosomatidae [101], Penaeidae [103], Sebastidae [101,104], Squalidae [101]	12	4	85 (466)
<i>Centroscymnus coelolepis</i>	18	Acanthephyridae [105], Alepocephalidae [102], Bramidae [103], Epigonidae [103], Gadidae [102], Histioteuthidae [105], Ipnopidae [105], Lotidae [104], Lycoteuthidae [103], Macrouridae [102,104], Merlucciidae [103], Moridae [104], Myctophidae [104], Octopoteuthidae [103], Ommastrephidae [105], Pleuronectidae [104] Sepiolidae [105], Stomiidae [105]	14	4	222 (379)
<i>Cephaloscyllium isabellum</i>	28	Buccinidae [106], Cancridae [106], Carangidae [106], Centriscidae [106], Engraulidae [106], Goneplacidae [106], Macrouridae [106], Monacanthidae [106], Moridae [106], Munididae [106], Octopodidae [106], Ommastrephidae [106], Ophidiidae [106], Ostreidae [106], Ovalipidae [106], Palinuridae [106], Percophidae [106], Pinguipedidae [106], Pleuronectidae [106], Pseudarchasteridae [106], Pyuridae [106], Rajidae [106], Scyllaridae [106], Squalidae [106], Squillidae [106], Syngnathidae [106], Triakidae [106], Urechidae [106]	1	1	261 (278)
<i>Cetorhinus maximus</i>	3	Penaeidae [107], Sergestidae [108], Temoridae [109]	87	3	3 (6)
<i>Chlamydoselachus</i>	7	Chiroteuthidae [110], Gonatidae [110], Histioteuthidae [110], Mastigoteuthidae	6	1	37 (139)

<i>anguineus</i>		[110], Ommastrephidae [110], Onychoteuthidae [110], Rostellariidae [110]			
<i>Dalatias licha</i>	26	Alpheidae [111], Aristeidae [111], Axiidae [111], Carapidae [113], Centrophoridae [101], Chlorophthalmidae [112], Epigonidae [111], Etmopteridae [111,113], Gadidae [111], Histioteuthidae [111], Loliginidae [112,115], Macrouridae [111], Merlucciidae [101,112,114], Moridae [111,113], Myctophidae [111-112], Nephropidae [113], Paralepididae [111], Pasiphaeidae [111,113], Penaeidae [112], Pentanchidae [111-113], Phycidae [111], Pyrosomatidae [113], Sepiolidae [111-112,114], Sergestidae [111], Stomiidae [111], Trichiuridae [115]	16	8	151 (210)
<i>Deania calcea</i>	32	Acanthephyridae [116], Alepocephalidae [117], Aphroditidae [117], Carangidae [116,118], Clupeidae [120], Cranchiidae [116], Cyttidae [116], Gadidae [102,117], Gempylidae [120], Gonostomatidae [117], Histioteuthidae [117], Lotidae [102], Macrouridae [116], Merlucciidae [116], Myctophidae [102-103,116-120], Notosudidae [116], Ommastrephidae [116-117,119], Onychoteuthidae [116], Oplophoridae [116], Pandalidae [120], Paralepididae [103], Pasiphaeidae [116- 117], Penaeidae [103], Phosichthyidae [116], Phycidae [102], Scombridae [102,117], Sebastidae [102], Sergestidae [102,116-117], Sternoptychidae [116], Stomiidae [103,117], Trachichthyidae [116], Zeidae [116]	11	7	455 (814)
<i>Deania profundorum</i>	3	Enoploteuthidae [103], Myctophidae [103], Ommastrephidae [103]	1	1	43 (78)
<i>Etmopterus granulosus</i>	7	Batoteuthidae [121], Brachioteuthidae [121], Histioteuthidae [103,121], Mastigoteuthidae [121], Myctophidae [103,121], Paralepididae [103], Penaeidae [103]	1	2	67 (191)
<i>Etmopterus lucifer</i>	5	Enoploteuthidae [122], Euphausiidae [122-123], Histioteuthidae [122], Lophogastridae [123], Myctophidae [122]	8	2	385 (681)
<i>Etmopterus princeps</i>	7	Acanthephyridae [124], Bathylagidae [102], Gadidae [124], Myctophidae [124], Notosudidae [124], Ommastrephidae [124], Paralepididae [124]	5	2	55 (98)
<i>Etmopterus pusillus</i>	13	Enoploteuthidae [125], Gadidae [125], Gonostomatidae [125], Histioteuthidae [125], Merlucciidae [103], Myctophidae [103,125], Ommastrephidae [125], Onychoteuthidae [125], Pandalidae [125], Pasiphaeidae [125], Polybiidae [125],	1	2	448 (605)

Sepiolidae [125], Trichiuridae [125]					
<i>Etmopterus spinax</i>	35	Alepocephalidae [127], Alpheidae [133], Aristeidae [126,133], Callionymidae [126], Centrolophidae [127], Crangonidae [126,131,133], Enoplateuthidae [133], Etmopteridae [126], Euphausiidae [102,117,127-133], Gadidae [102,117,126,131], Gnathophausiidae [117,127], Gobiidae [129], Goneplacidae [126], Histioteuthidae [117,129-130,133], Munididae [127], Myctophidae [102,126-127,129-130,133], Mysidae [102], Oplophoridae [117], Pandalidae [126,128,130-131], Paralepididae [130], Pasiphaeidae [127-131,133], Pentanchidae [126], Phosichthyidae [126], Phycidae [102,126-127], Processidae [127], Scombridae [128], Sepiidae [126], Sepiolidae [126,128-130,133], Sergestidae [102,129-130,133], Solenoceridae [127], Sternoptychidae [102,128,131-132], Stomiidae [130,133], Synaphobranchidae [102], Trachichthyidae [126], Trichiuridae [130]	42	12	533 (866)
<i>Euprotomicrus bispinatus</i>	5	Bramidae [136], Myctophidae [136], Oncaeidae [136], Phosichthyidae [136], Sternoptychidae [136]	3	1	12 (12)
<i>Galeocerdo cuvier</i>	111	Acanthuridae [138], Ancistrocheiridae [332], Anguillidae [17,148], Argonautidae [332], Ariidae [76], Aulostomidae [138], Balistidae [17,50,76,138,140], Batrachoididae [137,143], Belonidae [138,143], Bovidae [138,141,147,153-155] , Busyconidae [150], Canidae [138] , Carangidae [27,50,137-138,147,156], Carcharhinidae [50,62,137,154], Chelonibiidae [17], Cheloniidae [137-138,149,153-154], Chirocentridae [156,332], Cirolanidae [139], Clupeidae [27,62,140,154,156], Columbidae [150,152] , Congridae [138], Coryphaenidae [138], Cranchiidae [332], Cuculidae [150] , Cycloteuthidae [332], Dasyatidae [50,76,145,154], Delphinidae [17,27,137], Diodontidae [27,50,76,137-138,143,145,147], Diomedeidae [17], Dugongidae [143,145,148], Elapidae [17,143,145,148,151], Elopidae [144], Engraulidae [156], Enoplateuthidae [332], Ephippidae [50,140], Equidae [138,153] , Fasciariidae [150], Felidae [138] , Fistulariidae [138,147], Gerreidae [50,140], Gorgoniidae [137], Haemulidae [140], Hemiramphidae [143,145], Herpestidae [138] , Histioteuthidae [332], Hominidae [138,146] , Istiophoridae [17,138], Joubiniteuthidae [332], Labridae [138], Lamnidae [141], Laridae [137], Limulidae [137], Loliginidae [50,140,332],	208	30	1359 (1944)

Luidiidae [137], Lutjanidae [145], **Meropidae [141]**, Molidae [27],
 Monacanthidae [138,140], **Muridae [138]**, Mugilidae [50,137], Mullidae [138],
 Muraenidae [138], Myliobatidae [50,145,154], Naticidae [137], Octopodidae
 [137,332], Octopoteuthidae [332], Ommastrephidae [332], Onychoteuthidae
 [332], Ostraciidae [17,138], Ovalipidae [137], Palinuridae [138,145],
 Paralichthyidae [137], **Parulidae [150]**, Pelecanidae [149], Phalacrocoracidae
 [137], Phocidae [157], Phocoenidae [154], Pholidoteuthidae [332],
 Platycephalidae [27], Pleuronectidae [138], Pomacanthidae [17], Pomacentridae
 [138], Pontoporiidae [144], Portunidae [17,27,50,137,149], Pristidae [62],
 Procellariidae [27], Rachycentridae [137], Rajidae [137], Rallidae [142],
 Raninidae [147], Rhinobatidae [17,145], Sciaenidae [27,50,137,140,144,156],
 Scaridae [138], Scombridae [17,27,137-138,154], Scyllaridae [17,138,147],
 Sepiidae [332], Serranidae [137], Sparidae [50,137], Sphyraenidae [138],
 Sphyrnidae [50,154], Squillidae [17,137], **Suidae [147]**, Sulidae [140],
 Stromateidae [137,144,156], Syngnathidae [145], **Tachyglossidae [17]**,
 Tetraodontidae [17,27,60,138,140,145], Trichiuridae [156], Triglidae [50],
Turdidae [150], Volutidae [145]

<i>Galeorhinus galeus</i>	66	Agonidae [163], Argentinidae [101], Arhynchobatidae [158], Atherinidae [158], Batrachoididae [158-159], Belonidae [159], Bramidae [101], Callionymidae [163], Callorhynchidae [158], Caproidae [161], Carangidae [81,101,158,161,164], Centriscidae [161], Chimaeridae [159], Clinidae [159], Clupeidae [81,158- 160,162-163], Congridae [158], Cottidae [159,162], Cynoglossidae [158], Eledonidae [163], Embiotocidae [159], Engraulidae [81,158-160,162], Exocoetidae [159], Gadidae [163], Gempylidae [160,164], Gonatidae [162], Kyphosidae [159], Loliginidae [158,163,165], Macrouridae [101,161], Merlucciidae [81,101,160,162], Moridae [101], Mugilidae [158], Mullidae [158], Myliobatidae [158], Nephropidae [101], Nototheniidae [159], Octopodidae [158,161], Ommastrephidae [101,158,160,165], Onychoteuthidae [101], Ophidiidae [158], Palinuridae [164], Pandalidae [101], Paralichthyidae [158,160], Percophidae [81,158], Phycidae [161], Pinguipedidae [158], Pleuronectidae [162-163], Pomacentridae [159], Pomatomidae [81,158], Porpitidae [162], Rajidae [158], Salmonidae [159], Salpidae [101], Sciaenidae [81,158-159],	34	12	1280 (1976)
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Scombridae [159,161,163], Sebastidae [101], Sepiolidae [163], Serranidae [158], Sparidae [159,161], Sphyaenidae [159], Squatinidae [81], Sternoptychidae [161], Stromateidae [158], Synodontidae [161], Triakidae [81,158], Trichiuridae [81,161], Triglidae [81,163]

<i>Galeus melastomus</i>	110	Acanthephyridae [105,117,166], Alepocephalidae [117,167], Alpheidae [105,129-130,167], Aphroditidae [117], Argentinidae [169], Argonautidae [166,171], Aristeidae [130,166], Astrorhizidae [169], Axiidae [105,129-130,169], Bathypolypodidae [105,117], Benthescymidae [129-130,166], Bothidae [166], Brachioteuthidae [130,166,171], Bythitidae [166], Carangidae [117,167], Chiroteuthidae [105,166], Chlorophthalmidae [166], Ctenopterygidae [166], Cirolanidae [105,117], Cliidae [166], Cranchiidae [105], Crangonidae [117,129,169,359], Cymbuliidae [117], Cynoglossidae [166], Diphyidae [105], Eledonidae [172], Enoploteuthidae [130,166,171], Epimeriidae [117], Eucopiidae [105], Euphausiidae [105,117,129-130,169], Eusiridae [169], Gadidae [117,130,166-167,169,359], Gammaridae [169], Geryonidae [105,117,130], Gnathophausiidae [117], Gobiidae [166,169], Goneplacidae [167], Gonostomatidae [130], Hauerinidae [105], Histioteuthidae [105,129,166,170-171], Hyperiidae [105,117], Ipnopidae [166], Leuconidae [105], Loliginidae [166], Lophogastridae [129-130,169], Lotidae [105,166,169], Lysianassidae [169], Macrouridae [105,117,129,166,359], Merlucciidae [166-167], Moridae [105,117,359], Munididae [102,117,166-167,169], Myctophidae [102,105,117,129-130,166-167,170], Mysidae [105,169], Nassariidae [166], Nebaliidae [169], Nemichthyidae [129], Octopodidae [166,172], Octopoteuthidae [166], Ommastrephidae [105,117,129-130,166,168], Onuphidae [169], Onychoteuthidae [129-130,166], Opisthoteuthidae [172], Oplophoridae [129,166], Paguridae [105,117,129-130,167], Pandalidae [129,166,169,359], Paralepididae [105,166], Parapaguridae [117], Parasquillidae [166], Pardaliscidae [105], Pasiphaeidae [105,117,129-130,166-167,170,359], Penaeidae [130], Phasianidae [105] , Phosichthyidae [166], Phronimidae [105,129], Phrosinidae [105], Phycidae [117], Platyscelidae [105], Pleuronectidae [129], Polybiidae [117,130,167], Polychelidae [117,129], Poromyidae [166], Processidae [105,129-130,166-167], Pyrosomatidae [129,166], Pyroteuthidae	49	14	2983 (3431)
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[166,359], Rajidae [130], Rhabdamminidae [105,169], Rissoidae [105], Saccamminidae [169], Salpidae [105,117,129], Scinidae [105], Scomberesocidae [167], Scombridae [167], Scorpaenidae [166], Scyllaridae [166], Sebastidae [166], Sepiidae [172], Sepiolidae [105,129-130,166,168-169,171-172,359], Sergestidae [105,117,129-130,166-167,170], Serpulidae [105], Sigalionidae [169], Solenoceridae [167,359], Sternoptychidae [117,129,167,169], Stomiidae [105,129-130,166], Synaphobranchidae [117], Terebratulidae [105], Trachichthyidae [166], Tubulariidae [166], Uristidae [117,169], Uvigerinidae [105], Xanthidae [105]

<i>Ginglymostoma cirratum</i>	18	Batrachoididae [173], Belonidae [173], Carangidae [173], Epialtidae [173], Haemulidae [173], Labridae [173], Loliginidae [173], Lutjanidae [173], Majidae [173], Octopodidae [173], Ophichthidae [173], Palinuridae [173], Rachycentridae [173], Rajidae [173], Scaridae [173], Scombridae [173], Sparidae [173], Syngnathidae [173]	80	1	41 (91)
<i>Hemipristis elongata</i>	5	Congridae [17], Dasyatidae [17], Diodontidae [17], Lutjanidae [17], Muraenidae [17]	2	2	86 (114)
<i>Hemiscyllium ocellatum</i>	10	Alpheidae [174], Amphinomidae [174], Callionymidae [174], Gammaridae [174], Gonodactylidae [174], Lysiosquillidae [174], Ocypodidae [174], Portunidae [174], Terebellidae [174], Xanthidae [174]	15	1	51 (53)
<i>Hemitriakis japonica</i>	13	Alpheidae [175], Bothidae [175], Callianassidae [175], Engraulidae [175], Gobiidae [175], Hippolytidae [175], Mysidae [175], Ogyrididae [175], Palaemonidae [175], Pasiphaeidae [175], Penaeidae [175], Sciaenidae [175], Upogebiidae [175]	3	2	51 (57)
<i>Heptanchias perlo</i>	18	Acropomatidae [176], Centrolophidae [176], Enoplateuthidae [176], Gempylidae [176], Macrouridae [176], Merlucciidae [176], Myctophidae [176], Narcinidae [176], Octopodidae [176], Ommastrephidae [176-177], Ophidiidae [176], Oplophoridae [176], Paraulopidae [176], Scombridae [177], Serranidae [176], Solenoceridae [176], Trichiuridae [176], Triglidae [176]	9	2	89 (117)
<i>Heterodontus francisci</i>	8	Aegidae [178-179], Calyptraeidae [178-179], Fissurellidae [178], Octopodidae [178-179], Penaeidae [178-179], Portunidae [178-179], Sipunculidae [178-179], Syngnathidae [178-179]	30	2	193 (219)

<i>Hexanchus griseus</i>	28	Callorhynchidae [180], Carangidae [181], Chimaeridae [184], Clupeidae [180-181], Delphinidae [180], Dussumieriidae [180], Echinorhinidae [184], Engraulidae [180,182], Gempylidae [180], Inachoididae [183], Loliginidae [180-181], Lophiidae [183], Macrouridae [180,183], Merlucciidae [180-182,184], Myctophidae [180], Myxinidae [184], Ommastrephidae [180], Otariidae [180], Petromyzontidae [184], Pomatomidae [182], Phycidae [183], Rajidae [180], Scombridae [180-182], Scyliorhinidae [180], Sebastidae [180], Squalidae [180-184], Triakidae [180-181], Xiphiidae [181]	33	8	90 (162)
<i>Iago omanensis</i>	12	Cranchiidae [185], Eledonidae [185], Enoploteuthidae [185], Histioteuthidae [185], Loliginidae [185], Majidae [185], Myctophidae [185-186], Ommastrephidae [185], Portunidae [185], Sepiolidae [185], Solenoceridae [186], Squillidae [185]	11	2	256 (279)
<i>Isurus oxyrinchus</i>	89	Alepisauridae [190,193,195,197,202], Ammodytidae [194], Amphitretidae [10], Ancistrocheiridae [1,201], Anguillidae [202], Argentinidae [73], Argonautidae [10], Atelecyclidae [197], Axiidae [197], Balistidae [190,197], Belonidae [1,191,197,201], Berycidae [27], Bramidae [10,190,192-193,195,199], Carangidae [1,9-10,27,73,191,193,195,197,199-201], Carcharhinidae [10,191,194,201-202], Centrolophidae [27], Cheloniidae [190], Clupeidae [10,27,191,194,198,202], Coryphaenidae [1], Dalatiidae [195], Dasyatidae [191], Delphinidae [9-10,189,193,196], Diodontidae [27,195], Diomedeidae [193], Engraulidae [10,73], Enoploteuthidae [10], Ehippidae [191], Gadidae [202], Gempylidae [3,9,27,191,195,199], Gnathophausiidae [192], Gonatidae [10,202], Haemulidae [1,191,201], Histioteuthidae [1,10,165,193,197,199,201-202], Istiophoridae [191,195,201], Kyphosidae [10], Lamnidae [191,193], Loliginidae [10,191,194,197,201-202], Lycoteuthidae [165,199,201], Macrouridae [10], Malacanthidae [194], Mastigoteuthidae [1], Merlucciidae [191,194,202], Monacanthidae [1,9], Mugilidae [10,27,73], Myliobatidae [1,191,201-202], Nomeidae [1,193,195], Octopoteuthidae [1,10,201], Odontaspidae [191], Ommastrephidae [1,9-10,73,165,192-194,197,199,201-203], Onychoteuthidae [1,10,202], Ophidiidae [10,191], Opisthoteuthidae [1], Oplegnathidae [191], Ostraciidae [201], Otariidae [188], Paralepididae [10], Paralichthyidae [10], Penaeidae [27], Phycidae [197], Pomatomidae [194,202], Priacanthidae [1],	106	23	2177 (3776)

		Pseudocarchariidae [193], Rajidae [197,202], Regalecidae [1,27], Sciaenidae [191,201], Scomberesocidae [10,190,197-198,202], Scombridae [1,3,9-10,27,73,190-195,197,199-202], Scorpaenidae [202], Scyliorhinidae [191,201], Sebastidae [10,202], Sepiidae [187,201], Serranidae [194], Solenoceridae [193-194], Sparidae [27,191,194,197,202], Sphyrnidae [191,201], Spirulidae [197], Squalidae [191,194,201], Squillidae [197], Stromateidae [202], Syngnathidae [202], Tetragonuridae [195], Tetraodontidae [1,27], Thysanoteuthidae [1], Trachipteridae [199], Trichiuridae [3,27,73,199], Triglididae [194,202], Xiphiidae [193-195,197,202], Zeidae [191], Zoarcidae [194,202]			
<i>Lamna nasus</i>	44	Alepisauridae [204], Ammodytidae [204], Anarhichadidae [204], Anguillidae [204], Anopteroideae [204], Argentinidae [209], Belonidae [209], Brachioteuthidae [121], Bramidae [200,206], Carangidae [200], Centrolophidae [200], Channichthyidae [121], Chiroteuthidae [121], Clupeidae [204,208-209,211], Congiopodidae [121], Cottidae [204], Cranchiidae [121], Cyclopteridae [204], Eledonidae [208], Euphausiidae [207], Gadidae [204,209], Gempylidae [121], Gonatidae [121], Hemitripterae [204], Histioteuthidae [121], Loliginidae [211], Mastigoteuthidae [121], Merlucciidae [204,206], Myctophidae [121,204], Nemichthyidae [204], Neoteuthidae [121], Ommastrephidae [121,200,204], Onychoteuthidae [121,205,210], Oregoniidae [204], Paralepididae [200], Petromyzontidae [204], Phosichthyidae [206], Pleuronectidae [209], Scomberesocidae [204], Scombridae [204,208,211], Sebastidae [204,211], Squalidae [204], Stomiidae [121], Trachipteridae [206]	30	10	1928 (4891)
<i>Loxodon macrorhinus</i>	46	Alpheidae [17], Ammodytidae [17], Apogonidae [17], Bothidae [17], Bregmacerotidae [17], Caesionidae [17], Calappidae [212], Callianassidae [17], Callionymidae [17,212], Carangidae [17], Champsodontidae [17], Congridae [17], Creediidae [212], Engraulidae [213], Euphausiidae [17], Gobiidae [17], Labridae [17,212], Leiognathidae [17], Loliginidae [212-213], Mugilidae [212], Mullidae [17], Mussidae [213], Nannosquillidae [212], Ocyrodidae [213], Ophichthidae [212], Palinuridae [213], Pegasidae [17,212], Penaeidae [17,212-213], Phascolosomatidae [213], Platycephalidae [17], Portunidae [212-213], Scaridae [17], Scombridae [212], Scorpaenidae [17], Sepiidae [213], Sepiolidae [17,212], Siganidae [212], Sillaginidae [212], Sparidae [212], Squillidae [17,212],	4	3	345 (449)

Syngnathidae [17], Synodontidae [212], Tetraodontidae [17,212], Triglidae [17,212], Upogebiidae [17], Uranoscopidae [17]					
<i>Megachasma pelagios</i>	1	Euphausiidae [214-216]	19	3	3(3)
<i>Mustelus asterias</i>	15	Agonidae [163], Atelecyclidae [163], Axiidae [163], Cancridae [163], Corystidae [163], Donacidae [163], Galatheidae [207], Majidae [163], Oregoniidae [163], Paguridae [163], Pandalidae [163], Pilumnidae [163], Polybiidae [163,207], Upogebiidae [163], Xanthidae [163]	8	2	48 (49)
<i>Mustelus californicus</i>	8	Batrachoididae [217], Blepharipodidae [217], Callianassidae [217], Cancridae [217], Clupeidae [217], Crangonidae [217], Urechidae [217], Varunidae [217]	5	1	49 (52)
<i>Mustelus canis</i>	55	Achiridae [66], Ammodytidae [66,218], Anguillidae [218], Ariidae [222], Atherinopsidae [224], Busyconidae [66], Calappidae [223], Cancridae [66,218-220,224], Carcinidae [224], Clupeidae [218], Congridae [223], Crangonidae [66,220,224], Diodontidae [223], Diogenidae [223], Engraulidae [220,222], Epialtidae [66,219-220,224], Fundulidae [224], Gadidae [66], Gammaridae [220], Geryonidae [223], Glyceridae [220], Gonodactylidae [223], Limulidae [66,219], Loliginidae [66,165,218,220,223], Majidae [218,223], Merlucciidae [218], Munidae [223], Mysidae [220], Mytilidae [219-220], Naticidae [218,220], Nephropidae [218-219], Octopodidae [223], Ommastrephidae [218], Ophidiidae [66], Ovalipidae [66,219,224], Paguridae [66,218-220,224], Palaemonidae [224], Panopeidae [218-219,224], Paralichthyidae [66,218,220], Parasquillidae [223], Penaeidae [220], Pharidae [220,224], Portunidae [66,223-224], Priacanthidae [223], Rajidae [218], Sciaenidae [220], Sepiolidae [165], Solenidae [66], Sparidae [66,218], Squalidae [218], Squillidae [66,219-220,222-223], Stromateidae [218], Triglidae [218], Upogebiidae [219-220,224], Xanthidae [223]	45	8	453 (514)
<i>Mustelus fasciatus</i>	9	Aethridae [225], Batrachoididae [225], Diogenidae [225], Epialtidae [225], Leucosiidae [225], Olividae [225], Paralichthyidae [225], Penaeidae [225], Portunidae [225]	1	1	14 (17)
<i>Mustelus griseus</i>	35	Alpheidae [175], Bothidae [175], Callianassidae [175], Callionymidae [175], Cancridae [175], Carangidae [175], Crangonidae [175], Diogenidae [175], Dorippidae [175], Epialtidae [175], Euryplacidae [175], Galatheidae [175],	3	1	181 (187)

		Galenidae [175], Hexapodidae [175], Hippolytidae [175], Holognathidae [175], Leucosiidae [175], Lysmatidae [175], Menippidae [175], Mysidae [175], Ogyrididae [175], Ommastrephidae [175], Palaemonidae [175], Parthenopidae [175], Pasiphaeidae [175], Penaeidae [175], Pinnotheridae [175], Polybiidae [175], Portunidae [175], Sepiidae [175], Sepiolidae [175], Squillidae [175], Upogebiidae [175], Urechidae [175], Varunidae [175]			
<i>Mustelus henlei</i>	42	Blepharipodidae [217], Bothidae [217,227], Calappidae [226-227], Callianassidae [229-230], Cancridae [217,229-230], Chasmocarcinidae [228], Cottidae [229], Crangonidae [217,229-230], Diogenidae [226], Dromiidae [228], Embiotocidae [230], Engraulidae [217,229-230], Epialtidae [229], Ethusidae [227], Eurysquillidae [226], Galatheidae [226-227], Gobiidae [217,230], Grapsidae [230], Loliginidae [217,228], Lophiidae [227], Molgulidae [230], Munididae [226,228], Nereididae [230], Octopodidae [226], Ophidiidae [227], Paguridae [228], Pandalidae [227], Paralichthyidae [226-227,230], Parasquillidae [227], Penaeidae [227-228], Pinnotheridae [229], Portunidae [226-228], Scombridae [226], Scorpaenidae [226], Serranidae [226-227], Sicyoniidae [228], Solenoceridae [226-227], Squillidae [226-228], Syngnathidae [229], Upogebiidae [229-230], Uranoscopidae [226], Varunidae [217,229-230]	13	6	585 (768)
<i>Mustelus lenticulatus</i>	37	Aphroditidae [232], Arenicolidae [232], Axiidae [232], Cancridae [232], Crangonidae [232], Diogenidae [232], Eunicidae [232], Glyceridae [232], Goneplacidae [232], Goniadidae [232], Hiatellidae [232], Hymenosomatidae [232], Laomediidae [232], Macrophthalmidae [232], Majidae [232], Maldanidae [232], Mesodesmatidae [232], Olividae [232], Ommastrephidae [232], Ovalipidae [232], Paguridae [232], Palaemonidae [232], Palinuridae [232], Pinnotheridae [232], Priapulidae [232], Sabellariidae [232], Sigalionidae [232], Squillidae [232], Struthiolariidae [232], Terebellidae [232], Tetrasquillidae [232], Trochidae [232], Turritellidae [232], Upogebiidae [232], Urechidae [232], Varunidae [232], Volutidae [232]	2	1	428 (428)
<i>Mustelus lunulatus</i>	37	Aethridae [233-234], Albulidae [233], Axiidae [228], Batrachoididae [235], Blepharipodidae [235], Buccinidae [234], Calappidae [228,235], Cancridae [233], Carangidae [233], Chasmocarcinidae [228], Congridae [235], Dromiidae [228], Dussumeriidae [233], Gobiidae [228], Hemiramphidae [233], Hemisquillidae	7	4	309 (498)

[233], Hippidae [234], Kyphosidae [233], Leucosiidae [228], Loliginidae [228],
Munididae [228,233], Octopodidae [233], Paguridae [228], Palaemonidae [234],
Parthenopidae [228], Penaeidae [228,234], Portunidae [228,234],
Pseudorhombilidae [228], Pseudosquillidae [234], Scombridae [233],
Scorpaenidae [235] Sicyoniidae [228,233], Squillidae [228,234], Stromateidae
[233], Synodontidae [233], Terebridae [234], Xanthidae [228]

<i>Mustelus manazo</i>	68	Aegidae [236], Alpheidae [175,236-237], Ammodytidae [175,236], Axiidae [236], Blepharipodidae [237], Calappidae [175,236], Callianassidae [175], Cancridae [73,175,236-237], Carangidae [236-237], Carditidae [236], Cheiragonidae [236], Cirolanidae [175], Clupeidae [236-237], Cottidae [236], Crangonidae [175,236- 237], Diogenidae [175,236-237], Dorippidae [175,236-237], Engraulidae [73,236], Epialtidae [175], Euphausiidae [236], Euryplacidae [175,236], Galatheididae [175,236], Galenidae [175], Gobiidae [236], Goneplacidae [73,175,236], Hexapodidae [175], Hippolytidae [175], Holognathidae [175], Inachidae [236], Leucosiidae [175,236-237], Lysmatidae [175], Majidae [236], Menippidae [175], Monacanthidae [237], Moridae [237], Munididae [73], Mysidae [175], Nephropidae [236], Ogyrididae [175], Ommastrephidae [73], Ophiolepididae [236], Oregoniidae [236], Ovalipidae [237], Paguridae [236-237], Palaemonidae [175], Pandalidae [236], Parthenopidae [175,236], Pasiphaeidae [175], Penaeidae [175,236-237], Pinnotheridae [236], Polybiidae [73,175,236], Porcellanidae [175], Portunidae [175,236-237], Raninidae [236-237], Scomberesocidae [73,236], Scombridae [237], Scyllaridae [175], Semelidae [236], Sicyoniidae [237], Solenoceridae [73], Squillidae [175,236-237], Synodontidae [236], Trichiuridae [73], Trichopeltariidae [236], Upogebiidae [175,236-237], Urechidae [175], Varunidae [175], Xanthidae [175,236-237]	12	4	1539 (1602)
<i>Mustelus mustelus</i>	88	Alpheidae [238-239], Aphroditidae [242], Atelecyclidae [238,242], Belonidae [239], Bothidae [238], Calappidae [238-240], Callianassidae [240], Carangidae [239-240,242], Carcinidae [241], Centranchidae [239-240,242], Cerithiidae [238], Cheilodactylidae [240], Clupeidae [238-240,242], Congridae [238-239], Congiopodidae [240], Corystidae [238], Crangonidae [238-239,242], Dairoididae [240], Dentaliidae [238], Diodontidae [240], Diogenidae [238], Donacidae [238], Dorippidae [238-239], Dromiidae [239], Dussumieriidae [240], Eledonidae [239],	22	8	1271 (1444)

Engraulidae [238,240-242], Enteroctopodidae [240], Eriphiidae [239], Ethusidae [238-239], Euryplacidae [239], Gadidae [241-242], Geryonidae [239], Gobiidae [239], Goneplacidae [238-240,242], Haemulidae [240], Inachidae [238], Labridae [239], Leucosiidae [238,240], Loliginidae [168,238-240,242], Lophogastridae [238], Mactridae [238], Majidae [238-239], Merlucciidae [240,242], Mugilidae [238-240], Mullidae [239], Munididae [242], Mytilidae [240], Nannosquillidae [238], Nephropidae [242], Nuculidae [238], Octopodidae [239-240], Ommastrephidae [168,242], Ophichthidae [238], Ophiotrichidae [240], Ovalipidae [240], Paguridae [238-239], Palaemonidae [239], Palinuridae [240], Parasquillidae [238], Parthenopidae [238-239], Pectinidae [238], Penaeidae [238-240], Pilumnidae [241], Plagusiidae [240], Polybiidae [238-239,241-242], Pomatomidae [240], Portunidae [238-241], Processidae [238], Sciaenidae [240], Scombridae [238-239], Scorpaenidae [239], Scyllaridae [238,240], Sebastidae [240], Sepiidae [238-241], Sepiolidae [242], Serranidae [239], Sicyoniidae [238-239], Soleidae [239], Sparidae [238-240,242], Squillidae [238-242], Syngnathidae [239-240], Tellinidae [238], Thiidae [240], Turritellidae [238], Upogebiidae [238-241], Varunidae [238,240], Xanthidae [239,242]

<i>Mustelus schmitti</i>	80	Alpheidae [247], Ampeliscidae [243], Ampharetidae [243], Atherinidae [247], Balanidae [243], Batrachoididae [243], Belliidae [243,245], Blepharipodidae [243,246], Branchiostomatidae [243], Calappidae [243], Capitellidae [243], Caprellidae [245], Carangidae [243], Cirolanidae [243,245], Clupeidae [247], Columbidae [243], Cynoglossidae [243], Diogenidae [243,245], Echiuridae [243], Engraulidae [243,246], Epialtidae [243,245], Eunicidae [243], Flabelligeridae [243], Gammaridae [243,245], Glyceridae [243-244,246], Goniadidae [243], Idoteidae [246], Inachoididae [243], Lithodidae [243], Loliginidae [243-245,247], Lumbrineridae [243], Mactridae [243], Majidae [243,247], Maldanidae [243], Marginellidae [243], Merlucciidae [243], Munididae [243], Muricidae [244], Mytilidae [243], Myxinidae [243], Nassariidae [243], Naticidae [243], Nephtyidae [243], Nereididae [243], Nototheniidae [246], Octopodidae [243,245-246], Ommastrephidae [243], Onuphidae [243,246], Opheliidae [243], Ophiidiidae [243], Paguridae [243-244], Panopeidae [243], Paralichthyidae [243], Pectinariidae [243], Penaeidae [243,245-246],	12	5	1056 (1126)
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		Phyllodocidae [243], Pilumnidae [243], Pilumnoididae [243,245], Pinnotheridae [243], Platyxanthidae [243,245], Polybiidae [243], Porcellanidae [243,246], Portunidae [243], Sabellidae [243], Sergestidae [243,245], Serolidae [243,245,247], Serranidae [243], Sesarmidae [243], Sipunculidae [243,245], Solenidae [243,245], Solenoceridae [243], Spionidae [243], Squillidae [243], Tetrasquillidae [243,245-246], Traviidae [243], Trichopeltariidae [243,247], Varunidae [245-247], Veneridae [243,245], Volutidae [243], Zoarcidae [247]			
<i>Negaprion acutidens</i>	18	Ariidae [38], Atherinidae [248], Balistidae [60], Belonidae [38,248], Carangidae [38], Clupeidae [38,248], Drepaneidae [38], Gobiidae [38], Labridae [248], Mugilidae [38], Penaeidae [38], Portunidae [248], Rhinobatidae [248], Scaridae [60], Scombridae [38], Sillaginidae [248], Sparidae [248], Syngnathidae [248]	22	4	68 (98)
<i>Negaprion brevirostris</i>	46	Albulidae [249], Alpheidae [249,253], Arenicolidae [249], Ariidae [250], Atherinidae [249-250], Atherinopsidae [251], Balistidae [249], Batrachoididae [249-251], Belonidae [249-250], Blenniidae [250], Bothidae [249], Carangidae [249-250,253], Centropomidae [250], Clupeidae [253], Cyprinodontidae [249-251], Dasyatidae [249], Elopidae [250], Engraulidae [251], Ephippidae [250], Fundulidae [253], Gerreidae [249-251,253], Gobiidae [249-250], Gonodactylidae [249], Haemulidae [249-251], Hemiramphidae [249-250], Labridae [249], Loliginidae [249], Lutjanidae [249-250], Monacanthidae [250], Mugilidae [250,252], Octopodidae [250], Ocypodidae [249], Ophichthidae [249-250,253], Ostraciidae [250], Palinuridae [249], Penaeidae [249-251], Pomacentridae [249], Portunidae [249-250,253], Pseudosquillidae [249], Scaridae [249-250], Soleidae [249-250], Sparidae [249-251], Sphyrinae [249-250], Synodontidae [249], Tetraodontidae [250], Xanthidae [249]	164	5	576 (855)
<i>Notorynchus cepedianus</i>	82	Acipenseridae [259], Aegidae [176], Anguillidae [254], Aplodactylidae [176], Arhynchobatidae [256], Ariidae [258], Arripidae [176,254], Atherinidae [255-257,259], Balaenopteridae [254], Batrachoididae [81], Callorhynchidae [176,254,257-258], Cancridae [259], Carangidae [176,254,256-258], Carcharhinidae [258], Centriscidae [176], Centrolophidae [176,254,257], Cheilodactylidae [176], Clupeidae [81,254,258], Congridae [254,258], Cottidae [259], Dasyatidae [254,258], Delphinidae [254,258], Embiotocidae [259], Emmelichthyidae [254], Engraulidae [254], Enteractinopterygidae [259], Gempylidae	38	8	855 (1371)

[176,254], Geotriidae [254], Gobiidae [176], Haemulidae [258], Hexanchidae [176,254,258-259], Labridae [254], Latridae [254], Loliginidae [81,176,258], **Macropodidae [254]**, Merlucciidae [257-258], Moridae [254], Mugilidae [254,258], Myliobatidae [176,254,256,258-259], Mytilidae [258], Myxinidae [257-258], Narcinidae [254], Narkidae [258], Nassariidae [256,258], Octopodidae [258], Odacidae [254], Ommastrephidae [176,254,257], Ophidiidae [257-258], Otariidae [176,255-258], Paguridae [256], Palinuridae [176], Paralichthyidae [257], Parascylliidae [176], Pentacerotidae [176], Percophidae [81], Petromyzontidae [259], Phocidae [257,259], Pinguipedidae [257], Plagusidae [258], Platycephalidae [254], Polyprionidae [257], Pontoporiidae [256], Pristiophoridae [176,254], Rajidae [176,254,256-259], Rhinobatidae [258], Salmonidae [254,259], Sciaenidae [81,256,258], Scombridae [254,257-258], Scyliorhinidae [176,254,258], Sebastidae [259], Serranidae [176,254,257], Sertulariidae [256], Sillaginidae [176], Sparidae [176,258], Squalidae [176,254,257-259], Squatinidae [81,176,256], Stromateidae [257], Torpedinidae [258], Triakidae [81,176,254,256-259], Trichiuridae [258], Triglidae [176,254], Urolophidae [176,254]

<i>Prionace glauca</i>	133	Alepisauridae [58,192,200,261,264,268,274], Alloposidae [2,10,165,199,260-262,266,268,271-272], Amphitretidae [2,10,260-262,268,272], Ancistrocheiridae [1-2,165,199,260,262,266,268,272], Anoplopomatidae [275], Anopteridae [280], Architeuthidae [165,199,260-261], Argonautidae [1-2,10,165,192,199,260,262,270,272,275], Ariommatidae [261], Balistidae [265], Bathylagidae [260], Batrachoididae [260,275], Belonidae [260,278], Brachioteuthidae [271], Brachyscelidae [192], Bramidae [192,199,261,264,268,274], Buccinidae [278], Cancridae [260], Caproidae [272], Carangidae [1-2,10,27,192,199,200,260-262,264,277-278], Carcharhinidae [262,264], Centriscidae [272], Chiroteuthidae [165,199,260-261,265-266,268,272,277], Chtenopterygidae [272], Cionidae [278], Cinclidae [262] , Cirolanidae [199], Cirroteuthidae [264,268], Clupeidae [10,27,58,162,192,260,269,271,275,278], Congridae [199], Coryphaenidae [1], Cottidae [260], Cranchiidae [2,260-262,266,268,272,277,279], Cyclopteridae [269,276], Cycloteuthidae [268,272], Dasyatidae [261], Delphinidae	167	34	2921 (4259)
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[192,260,264], Dermochelyidae [264], Diodontidae [27,192,199,261,265], Diretmidae [272], Echeneidae [2,58,262], Embiotocidae [281], Engraulidae [1,162,260,262,267,270,275,277,281], Enoploteuthidae [10,260-261,268], Euphausiidae [10,266,275], Exocoetidae [268,277], Gadidae [269,271,278], Galatheidae [278], Gempylidae [192,199,261,264,274], Gnathophausiidae [260,274], Gonatidae [1-2,10,260-262,266,268,271-272,274-275,279], Halosauridae [271], Hexagrammidae [260], Histioteuthidae [1-2,10,165,192,199,260-262,266,268,271-273,275,277,279], Hyperiididae [266,271], Idoteidae [260], Istiophoridae [261], Joubiniteuthidae [272], Lamnidae [261,264], Lampridae [10,261], Loliginidae [10,260,275,277], Lophiidae [269], Lophogastridae [262], Luvaridae [10], Lycoteuthidae [165,199], Lysianassidae [277], Macrouridae [272], Mastigoteuthidae [1-2,260,272,277], Merlucciidae [1-2,10,162,260,262,269,275,277], **Mimidae [263]**, Molidae [10,260], Monacanthidae [199,261,265], Moronidae [278], Mugilidae [10,260,278], Munididae [2,10,260,262], Muraenidae [272], Myctophidae [58,260-261,268,272,274-275,280], Neoteuthidae [260], Nomeidae [260,264], Octopodidae [192,260-261,275,277], Octopoteuthidae [1,10,165,199,260-261,268,271-272,275,279], Ocythoidae [200,260-261,266,272,274], Ommastrephidae [1-2,10,165,192,199,260-262,264-265,267,271,274-275,277,279], Onuphidae [278], Onychoteuthidae [1-2,10,162,165,199,260-262,266,268,272,274-275,277], Ophidiidae [1,275], Opisthoteuthidae [1,10], Ostraciidae [58], Otariidae [265], Pandalidae [275,277], Paralichthyidae [162,275], Pentacerotidae [274], Petromyzontidae [275], Pholidoteuthidae [1-2,261-262], Platyscelidae [199,261], Pleuronectidae [162,269,271,275,278], Polybiidae [278], Pomacentridae [277], Procellariidae [261,271], Psammobiidae [278], Rajidae [269], Regalecidae [27], Renillidae [277], Salmonidae [268-269], Salpidae [261], Sciaenidae [275,281], Scomberesocidae [10,260,269,271,280], Scombridae [1-2,10,27,192,200,260-262,264,268-269,271,276,278], Sebastidae [10,260,269,275,277], Sepiidae [278-279], Sepiolidae [279], Solenoceridae [264], Sphyrænidae [272], Squalidae [10,269,275,277], Squillidae [2,262], Sternidae [10], Stauroteuthidae [268], Sternoptychidae [260,268,274], Stomiidae [260], Sulidae [58], Syngnathidae [271,275-277], Tetragonuridae [192], Tetraodontidae

		[1,264], Thysanoteuthidae [261-262,277], Trachichthyidae [192], Trachipteridae [2,261-262], Tremoctopodidae [165,199,261], Triakidae [10,270], Trichiuridae [192,199,265,271-272], Triglidae [278], Vampyroteuthidae [1-2,10,260-262,264,266,268,272,275,277], Veneridae [278], Xiphiidae [261,264]			
<i>Rhizoprionodon acutus</i>	61	Alpheidae [38], Apogonidae [38], Ariidae [17], Aristeidae [282], Atherinidae [38,248], Batrachoididae [17], Bothidae [20], Bregmacerotidae [17], Callionymidae [20], Carangidae [17,38,213,282], Centropomidae [248], Clupeidae [17,20,38,40,213,248,282], Congridae [17], Cynoglossidae [282], Dactylopteridae [17], Draconettidae [20], Elapidae [20], Elopidae [282], Engraulidae [20,38,40,213,282], Gerreidae [36,38,213,282], Gobiidae [38], Haemulidae [20,36,282], Hemiramphidae [36,38], Labridae [248,282], Leiognathidae [17,20,36,38,40], Lethrinidae [213], Loliginidae [17,20], Lutjanidae [213], Monacanthidae [17,36], Monocentridae [17], Moronidae [282], Mugilidae [20,36,213,282], Mullidae [17,20,36,282], Muraenesocidae [282], Muraenidae [17,282], Nassariidae [282], Nemipteridae [17], Octopodidae [282], Ommastrephidae [282], Penaeidae [17,20,36,38,40,248], Pinguipedidae [17], Platycephalidae [17,38], Polybiidae [282], Polynemidae [282], Pomatomidae [282], Portunidae [248,282], Pristigasteridae [17], Ranellidae [282], Sciaenidae [38,282], Scombridae [17,20], Scorpaenidae [17], Sepiidae [213,282], Sillaginidae [17,38,248], Soleidae [20,282], Sparidae [282], Sphyaenidae [282], Strombidae [282], Syngnathidae [17], Synodontidae [17,20], Terapontidae [38,248], Tetraodontidae [17]	20	8	1223 (4656)
<i>Rhizoprionodon terraenovae</i>	53	Aethridae [51,283], Alpheidae [284], Ariidae [25,33,51,284], Balistidae [283], Bothidae [33,283], Calappidae [24], Cancridae [66], Carangidae [24-25,33,51,284], Cerithiidae [25], Cheloniidae [283], Clupeidae [25,33,51,66,283-284], Congridae [283], Cynoglossidae [25,66,284], Dasyatidae [33,284], Elopidae [24,33], Engraulidae [24-25,33,51,66,283-284], Epialtidae [66], Gerreidae [284], Gobiidae [51], Gonodactylidae [24], Haemulidae [24,66,283-284], Hippidae [284], Loliginidae [24-25,33,66,284], Lutjanidae [25,51], Lysiosquillidae [283], Mugilidae [51], Muraenidae [24,283], Nassariidae [66], Naticidae [284], Octopodidae [24], Ophichthidae [25,33,51,284], Ophidiidae [66], Ovalipidae [66], Paguridae [66,283], Paralichthyidae [24,51,66,284], Penaeidae [25,33,51,66,283-	35	8	1306 (2287)

		284], Portunidae [25,33,51,284], Priacanthidae [66], Rajidae [283], Sciaenidae [25,33,51,66,283-284], Scombridae [24,33,51,283], Scopthalmidae [66], Serranidae [51,66], Sicyoniidae [283], Sparidae [51,66,284], Sphyraenidae [283], Squillidae [25,33,51,283], Syngnathidae [33,284], Synodontidae [51,283-284], Terebellidae [284], Triacanthodidae [283], Trichiuridae [33,51], Triglidae [33,66]			
<i>Rhizoprionodon taylori</i>	24	Apogonidae [286], Chirocentridae [286], Clupeidae [17,20,286], Cynoglossidae [286], Engraulidae [20,285-286], Haemulidae [286], Hemiramphidae [286], Leiognathidae [17,20,286], Leptobramidae [286], Loliginidae [286], Monacanthidae [17], Mullidae [20,286], Penaeidae [17,286], Plotosidae [286], Polynemidae [20,286], Portunidae [286], Pristigasteridae [17], Scombridae [17,20], Sillaginidae [286], Syngnathidae [286], Synodontidae [286], Terapontidae [286], Triacanthidae [286], Trichiuridae [286]	8	4	238 (536)
<i>Scoliodon laticaudus</i>	32	Ambassidae [287], Bregmacerotidae [287], Carangidae [287], Clupeidae [287-288,290-291], Cynoglossidae [288], Cyprinidae [290], Engraulidae [287-288,290-291], Eucalanidae [290], Glyceridae [290], Gobiidae [287-288], Hyperidae [290], Leiognathidae [287], Loliginidae [287-288], Mugilidae [287,290], Muraenesocidae [290], Nereididae [290], Ophichthidae [290], Palaemonidae [290], Pasiphaeidae [290], Penaeidae [287-288,290-291], Sciaenidae [287-288,290-291], Scyllaridae [291], Sepiidae [288], Sergestidae [287-288], Solenoceridae [288,290], Sphyraenidae [290], Squillidae [288,290-291], Synodontidae [288,290], Temoridae [290], Trachipteridae [291], Trichiuridae [287-288,290], Triglidae [290]	10	4	964 (1867)
<i>Scyliorhinus canicula</i>	135	Aegidae [300], Alepocephalidae [167], Alpeidae [129,167,294-297,301], Agonidae [163,292], Ammodytidae [163,292], Ampeliscidae [294,298], Aphroditidae [129,163,292,298,301], Arenicolidae [163,302], Argentinidae [129,163,300], Atelecyclidae [129,163,292,294], Axiidae [163], Belonidae [296], Bonelliidae [301], Bothidae [295,301], Branchiostomatidae [292], Buccinidae [163,292,298], Callianassidae [163], Callionymidae [129,163,292,294,296,298], Cancridae [163], Caproidae [129,297], Carangidae [129,163,167,295-297,301], Cardiidae [292], Centranchidae [129], Centriscidae [301], Cepolidae [129,295-297], Cerithiidae [302], Chaetopteridae [300], Chlorophthalmidae [300], Cirolanidae [294,300], Clupeidae [163,292,294,300-301], Corystidae [163,302],	164	14	14579 (16876)

Cottidae [292], Crangonidae [129,163,292,298], Cucumariidae [294,298], Cynoglossidae [129], Diogenidae [129,294,301], Echinasteridae [292], Eledonidae [163], Engraulidae [297,300-301], Eriphiidae [301], Eunicidae [292], Euphausiidae [129,294-296], Euprosinidae [300], Gadidae [129,163,167,292,294-297,300,302], Galatheidae [129,163,292,295,300-302], Gammaridae [292], Glyceridae [292,301], Glycymerididae [292], Gobiesocidae [292], Gobiidae [129,163,292,295,300], Golfingiidae [292], Goneplacidae [129,163,167,294,297,300], Gonostomatidae [300], Haliotidae [294], Inachidae [163,301], Laomediidae [163,294], Leucosiidae [129,292,294], Liparidae [163], Loliginidae [163,294,300], Lophogastridae [129,294-296], Lumbrineridae [292], Macrouridae [300], Mactridae [292], Majidae [163], Merlucciidae [167,295,297,300-302], Mullidae [301], Munididae [129,163,167,295-297], Myctophidae [167,300], Myidae [163,292], Mysidae [295], Mytilidae [163], Naticidae [300], Nephropidae [163,295,301-302], Nephtyidae [292,298], Nereidae [163], Nereididae [292,301-302], Octopodidae [294,297,301], Oenonidae [292], Ommastrephidae [168,295,300-301], Opheliidae [292], Ophichthidae [129,301], Ophiidiidae [163], Ophiuridae [292], Onuphidae [294], Oregoniidae [163,292,298], Paguridae [129,163,167,292,294,296-298,301-302], Palaemonidae [302], Palinuridae [129], Pandalidae [129,163,292,296-298,300], Parechinidae [301], Parthenopidae [129], Pasiphaeidae [129,163,167,294,297], Pectinidae [292], Penaeidae [300-301], Peristediidae [300], Pharidae [163,292], Pholidae [163,292], Phronimidae [129], Phyllophoridae [292,302], Pinnotheridae [292], Pleuronectidae [129,163,292,294], Polybiidae [129,163,167,292,294-298,300-302], Polynoidae [292], Porcellanidae [292], Portunidae [129,294,300], Processidae [129,167,295,297], Rajidae [294], Sabellidae [302], Salpidae [129], Scomberesocidae [167], Scombridae [163,167,294], Scopthalmidae [129], Scyllorhinidae [292,297], Scyllaridae [129,301], Sepiidae [168,294-295,300-301], Sepiolidae [129,163,292,295,300-301], Sergestidae [167], Sipunculidae [129,293-294,301], Soleidae [163,301], Solenoceridae [129,167,294-295,297], Sparidae [129,301], Squillidae [129,163,295], Sternaspidae [294-295], Sternoptychidae [167,295], Stichaeidae [163,292], Stomiidae [129], Synaphobranchidae [296], Syngnathidae [129,294], Thiidae [294], Thoridae [292], Trachinidae [163],

Triglidae [163,301-302], Upogebiidae [163,292,294-295,298,301-302], Xanthidae [129,163,292]

<i>Scyliorhinus stellaris</i>	32	Ammodytidae [303], Aphroditidae [303], Atelecyclidae [303], Buccinidae [163,303], Callionymidae [303], Cancridae [163], Carangidae [303], Clupeidae [303], Crangonidae [303], Eledonidae [163], Gadidae [163,303], Galatheidae [163], Loliginidae [163], Majidae [163], Merlucciidae [163,303], Myidae [163], Nephropidae [163], Nephtyidae [303], Oregoniidae [163], Paguridae [163,303], Palaemonidae [303], Pandalidae [303], Parechinidae [303], Pleuronectidae [163], Polybiidae [163,303], Rajidae [163], Scombridae [163,303], Sepiolidae [163], Soleidae [303], Squillidae [163], Triglidae [163], Upogebiidae [163]	13	2	112 (126)
<i>Somniosus microcephalus</i>	57	Acanthephyridae [304], Agonidae [304], Anarhichadidae [304-307,309], Architeuthidae [121], Argentinidae [309], Arhynchobatidae [121], Balaenopteridae [305], Bathylagidae [304], Bathypolypodidae [304], Brachioteuthidae [121], Buccinidae [308], Chimaeridae [309], Clupeidae [309], Cottidae [304,307-308], Cranchiidae [121], Cyclopteridae [304,307-309], Cycloteuthidae [121], Etmopteridae [309], Gadidae [304-305,307,309], Gonatidae [121,305,307], Gorgonocephalidae [305,307], Histioteuthidae [121], Liparidae [304], Lithodidae [307], Lotidae [304,309], Lysianassidae [306], Macrouridae [304,307,310], Mastigoteuthidae [121], Monodontidae [306], Myctophidae [309], Myxinidae [307], Neoteuthidae [121], Nototheniidae [121], Octopodidae [304], Octopoteuthidae [121], Ommastrephidae [121], Onychoteuthidae [121], Ophiactidae [305], Ophiuridae [306], Opisthoteuthidae [304], Oplophoridae [304], Oregoniidae [305,307], Otariidae [121], Pandalidae [304], Phocidae [304-305,307-308,310-312], Pleuronectidae [304-305,307-309,311], Psychrolutidae [304], Rajidae [304-305,307-309], Salmonidae [310,312], Sebastidae [304-305,307,309], Solasteridae [310], Somniosidae [305-306,310], Stichaeidae [304], Strongylocentrotidae [305,308], Uristidae [306], Ursidae [307,309], Zoarcidae [304,307-308,310]	41	10	230 (256)
<i>Somniosus pacificus</i>	28	Anoplopomatidae [314], Cirolanidae [304], Clupeidae [316], Cranchiidae [316], Crangonidae [315], Delphinidae [317], Enteractopodidae [304,314-315], Gadidae [304,313-316], Gonatidae [304,316], Liparidae [313,316], Macrouridae [304,313,316], Myctophidae [316], Nototheniidae [317], Octopodidae [318],	28	9	461 (545)

Ommastrephidae [304], Onychoteuthidae [316], Oregoniidae [318], Paguridae [315], Phocidae [314,318], Pleuronectidae [314-316], Psychrolutidae [316], Ranellidae [315,318], Salmonidae [313-316], Sebastidae [314-315], Spongiidae [316], Squalidae [314], Uristidae [316], Zoarcidae [316]

<i>Sphyrna lewini</i>	137	Acanthuridae [2,320-321,329-330], Achiridae [325,328], Alloposidae [79,165], Alpheidae [50,323,329-330], Amphitretidae [79], Ancistrocheiridae [2,321,326,332], Anguillidae [319], Apogonidae [329-331], Argonautidae [321,324,326,328], Ariidae [320,323], Atherinidae [329-330], Aulostomidae [49], Balistidae [50,319,321,324,328,331], Batrachoididae [2,321], Belonidae [320-321,331], Bothidae [320,323-324,328,330-331], Brachioteuthidae [332], Callionymidae [2,331], Carangidae [2,24,79,320-326,328,331], Carcharhinidae [320], Centropomidae [328], Chaetodontidae [330], Champsodontidae [331], Chanidae [330], Cheilodactylidae [320], Chirocentridae [319], Chiroteuthidae [79,332], Chlorophthalmidae [319], Cichlidae [319], Clupeidae [2,320-324,326,328-329,331], Congridae [320,330-331], Coryphaenidae [2,321,326,328], Cranchiidae [79,332], Cynoglossidae [320,325,328], Dactylopteridae [320,331], Dasyatidae [320], Delphinidae [319], Diodontidae [331], Dussumieriidae [2,320], Echeneidae [321], Elopidae [319], Engraulidae [40,50,320,323-326,328-330], Enoploteuthidae [2,320-321,324,328,330], Ehippidae [319], Exocoetidae [2,320-321,323,326,331], Gempylidae [2,79,319], Gerreidae [319,322-323,328], Gobiidae [329-330], Gonatidae [2,321,326], Gymnuridae [320], Haemulidae [24,50,320,323], Hemiramphidae [2,321,326,328,330], Histoteuthidae [2,79,235,326,330,332], Holocentridae [328], Istiophoridae [319], Kyphosidae [320], Labridae [321,324,328,330], Lamnidae [319], Leiognathidae [40,320,331], Lethrinidae [331], Loliginidae [2,50,320-321,323-328,332], Lutjanidae [2,79,325,331], Lycoteuthidae [165,320,332], Lysiosquillidae [329], Malacanthidae [328], Mastigoteuthidae [2,321,326], Menidae [331], Merlucciidae [2,320,326], Monacanthidae [79,331], Mugilidae [24,320,322,324-326,328-329], Mullidae [235,320,328,330-331], Munididae [2,321,324,328], Muraenesocidae [27,320], Muraenidae [2,24,79,319,321,324,326,328], Muricidae [325], Myctophidae [319,326], Myliobatidae [319], Nemipteridae [331], Octopodidae [2,79,235,320,325-	106	28	4157 (5320)
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326,332], Octopoteuthidae [2,79,320,326,332], Odontaspidae [319], Ommastrephidae [2,79,165,319,321,326,328,330,332], Onychoteuthidae [326], Ophichthidae [2,324,326,328], Ophidiidae [328], Opisthoteuthidae [332], Oplegnathidae [320], Ostraciidae [320,331], Palaemonidae [323,329], Pandalidae [2], Paralichthyidae [24,50,321-324,326,328], Penaeidae [2,24,40,50,321-326,328,331], Pentanchidae [320], Peristediidae [320], Pholidoteuthidae [2,326], Pinguipedidae [320], Platycephalidae [320,331], Pleuronectidae [320,328], Plotosidae [320], Polynemidae [331], Pomacentridae [320,330], Pomatomidae [320], Portunidae [50,323,328-329], Priacanthidae [2,320,331], Processidae [325,328], Pseudocarchariidae [320], Rajidae [50,320], Rhinobatidae [320], Scaridae [79,329-331], Sciaenidae [2,50,320,322-326,328], Scombridae [2,79,235,320-324,326,328,331], Scorpaenidae [2], Scyliorhinidae [320], Sepiidae [320,331-332], Sepiolidae [165], Serranidae [2,24,320-321,326,328], Sicyoniidae [323-325,328], Sillaginidae [331], Solenoceridae [2,50,325], Sparidae [50,320,323], Sphyrnidae [79,320,328], Sphyrnidae [319,330], Squalidae [27,320-321,323,331], Squillidae [235,324-325,327-329,331], Squatinidae [320], Stromateidae [324,328], Syngnathidae [320], Synodontidae [2,50,320-321,323-324,326,328-331], Terapontidae [320], Tetraodontidae [331], Thysanoteuthidae [2,325-326], Triacanthidae [331], Trichiuridae [50,320,331], Triglidae [24,320], Vampyroteuthidae [235], Xanthidae [2], Yoldiidae [323]

<i>Sphyrna mokarran</i>	40	Ancistrocheiridae [332], Ariidae [333], Balistidae [331], Carcharhinidae [333], Cynoglossidae [331], Dasyatidae [333], Diodontidae [331], Echeneidae [333], Gymnuridae [333], Haemulidae [331,333], Istiophoridae [331], Labridae [331], Latidae [331], Loliginidae [332], Lutjanidae [331], Myliobatidae [333], Nemipteridae [331], Octopodidae [332], Octopoteuthidae [332], Ommastrephidae [332], Oplegnathidae [333], Ostraciidae [331], Palinuridae [331,333], Penaeidae [331], Pentanchidae [333], Platycephalidae [333], Portunidae [331], Psettodidae [331], Rajidae [333], Rhinobatidae [333], Sciaenidae [331,333], Scombridae [331], Scyliorhinidae [333], Scyllaridae [331], Sepiidae [332-333], Sphyrnidae [331], Squillidae [331], Tetraodontidae [331], Trichiuridae [331], Triglidae [333]	27	3	423 (493)
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<i>Sphyrna tiburo</i>	33	Aethridae [334], Batrachoididae [334], Bothidae [334], Calappidae [334], Callianassidae [334], Cancridae [334], Clupeidae [51], Congridae [337], Elopidae [334], Engraulidae [337], Epiplatidae [334,336], Leucosiidae [334,336], Limulidae [336], Loliginidae [51,334,336], Menippidae [336], Mithracidae [334], Mugilidae [51], Octopodidae [334], Onuphidae [334], Ophichthidae [334,336], Ophiolepididae [51], Ovalipidae [334], Paguridae [334,336], Palinuridae [334,337], Pandalidae [334], Panopeidae [334], Penaeidae [51,334-337], Portunidae [51,334-337], Sciaenidae [51,334,337], Sicyoniidae [334], Squillidae [51,334,336], Syngnathidae [334], Xanthidae [51,334]	65	5	1262 (1317)
<i>Sphyrna tudes</i>	2	Ariidae [338], Penaeidae [338]	8	1	155 (155)
<i>Sphyrna zygaena</i>	73	Achiridae [340], Amathinidae [340], Amphitretidae [2,340], Anisakidae [341], Ancistrocheiridae [2,332,340], Argonautidae [2,23,332], Ariidae [23], Arripidae [9], Atherinopsidae [50], Balistidae [2,339], Belonidae [9,27,235], Berycidae [9,27], Carangidae [2,23,27,49-50,340-341], Chaetodontidae [23], Chiroteuthidae [23,339], Clupeidae [2,23,27,50,340-341], Congiopodidae [23], Congridae [23], Coryphaenidae [2,340], Cranchiidae [235,332], Cynoglossidae [23], Diodontidae [339], Dussumieriidae [23], Engraulidae [9,23,340], Enoploteuthidae [2,332], Exocoetidae [2,340], Fistulariidae [2], Gempylidae [2,9], Gerreidae [2], Gonatidae [2,340], Haemulidae [340-341], Hemiramphidae [2,9,50,340-341], Histiototeuthidae [2,235,332,340], Loliginidae [2,9,23,39,50,332,340-341], Lycoteuthidae [23,332], Macrouridae [23], Mastigoteuthidae [2,340], Merlucciidae [2,23], Monacanthidae [9,27,339], Mugilidae [2,23,27,50], Myctophidae [340], Myliobatidae [235], Naticidae [340], Nuculanidae [340], Octopodidae [332], Octopoteuthidae [2,332,340], Ocythoidae [23], Ommastrephidae [2,9,23,50,332,339-340], Onychoteuthidae [2,235,332,340], Ophichthidae [2,340], Ophidiidae [2,23,340], Ovalipidae [9], Paralichthyidae [2,340], Pempheridae [9], Penaeidae [9], Pholidoteuthidae [2], Phosichthyidae [2], Platycephalidae [27], Portunidae [341], Sciaenidae [2,23,50,340-341], Scomberesocidae [23,27], Scombridae [2,23,27,50,58,340], Sepiidae [9,23,332], Serranidae [2], Sparidae [9,23,50], Sphyrnaeidae [27], Squalidae [23], Syngnathidae [9], Synodontidae [2], Terapontidae [9], Thysanoteuthidae [2,340],	45	13	943 (1463)

Trichiuridae [23,50,341], Triglidae [23,27,340]

<i>Squalus acanthias</i>	145	Actiniidae [342], Alpheidae [343], Ammodytidae [163,218,221,345,348,352,357-358], Ampeliscidae [346], Anguillidae [218,346], Anoplopomatidae [357], Aphroditidae [351,354], Argentinidae [116], Atherinidae [346], Batrachoididae [342,351,357], Belonidae [163], Beroidae [353,358], Bolinopsidae [353,357], Bothidae [343], Buccinidae [358], Callianassidae [163], Callionymidae [103,163,352,358], Cancridae [162-163,218,221,348,355,358], Carangidae [116,163,342-343,349,358], Centranchidae [343], Centriscidae [116], Centrolophidae [342], Cepolidae [343], Cheilodactylidae [354], Chimaeridae [116,357], Cirolanidae [342], Clupeidae [103,162-163,218,221,342-349,352-353,355,357-358], Congridae [342-343], Cottidae [345,348], Cranchiidae [116], Crangonidae [116,163,349], Cryptacanthodidae [221], Cyllopodidae [116], Cymothoidae [346], Cynoglossidae [344-345], Echiuridae [342], Dussumieriidae [103], Eledonidae [163,343,352], Embiotocidae [357], Emmelichthyidae [116], Engraulidae [103,162-163,342-344,346,348-349,351,354], Enterocarpodidae [351,353], Epialtidae [342,354], Eunicidae [116], Euphausiidae [116,162,221,342,345,347-348,350,354-355,357], Gadidae [163,221,342-343,347,349,352,357-358], Gammaridae [221,342], Gempylidae [346], Glyceridae [342,346], Gobiidae [343,345-346,349], Gonatidae [353], Goneplacidae [116], Hexagrammidae [162,347], Histioteuthidae [348], Hoplichthyidae [116], Hyperidae [116,162,342,351,353-355], Latridae [346], Limacinidae [162], Lithodidae [342], Litocheiridae [346], Loliginidae [163,218,221,342-343,351,353-354,357], Lophiidae [221], Lotidae [349], Macrouridae [116], Majidae [116,342], Merlucciidae [103,116,162,218,221,342-343,348,351-354,356-358], Metridiidae [358], Moridae [116,342,355], Moronidae [344], Mullidae [343,349], Munidae [116,342,351,353-355], Muricidae [349], Myctophidae [103,116,342,354-355], Myxinidae [342,354], Nassariidae [346], Naticidae [345], Nephropidae [116,163], Nereididae [358], Nototheniidae [342,351,353-354], Octopodidae [342-343,346,352,354-355,357], Ommastrephidae [103,116,218,221,342-343,346,351,353-355], Onuphidae [116,343], Onychoteuthidae [116], Ophidiidae [116,342,345,351], Ophiorhynchidae [116], Oreosomatidae [116], Osmeridae [348,357], Ovalipidae [355], Paguridae	334	23	40827 (72204)
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[163,354,358], Palaemonidae [343], Palinuridae [116], Pandalidae [116,162-163,357], Paralichthyidae [162,218,221,344-345,351], Pasiphaeidae [163], Penaeidae [103,346,354], Percophidae [342,355], Petromyzontidae [348], Phycidae [221,345], Phyllodocidae [346], Pleurobrachiidae [351,355,357-358], Pleuronectidae [162-163,221,352,354], Polybiidae [163], Polymixiidae [345], Polyprionidae [342], Porpitidae [162], Portunidae [345], Rajidae [342], Salmonidae [347], Salpidae [353-355], Sciaenidae [342,344], Scomberesocidae [103,352], Scombridae [163,221,342,352,358], Scopthalmidae [221], Scorpaenidae [116,343,347,349,357], Sebastidae [116,221,342], Sepiadariidae [355], Sepiidae [343], Sepiolidae [116,163,345,351,353-354], Sergestidae [342], Serolidae [342,351,354], Serranidae [116,342], Sillaginidae [346], Sipunculidae [342], Soleidae [343], Solenoceridae [342,351,354], Sparidae [218,342-343], Squalidae [103,342,346,349,355,357], Squillidae [103,346], Sternoptychidae [103,116], Stichaeidae [163], Stromateidae [218,342,351,353], Syngnathidae [345,349], Terebellidae [346], Tetrarogidae [346], Tetrasquillidae [355], Thalasseleotrididae [355], Trichiuridae [103], Trichopeltariidae [116,353-354], Triglidae [218,342-343,345,351,358], Upogebiidae [163,349], Uranoscopidae [349], Urechidae [355], Varunidae [346], Zeniontidae [342], Zoarcidae [221,351,357]

<i>Squalus blainville</i>	46	Alpheidae [294,360], Aphroditidae [360], Argentinidae [359-360], Astropectinidae [360], Atelecyclidae [360], Blenniidae [360], Bothidae [360], Callionymidae [360], Calliostomatidae [294], Carangidae [360], Centracanthidae [360], Cepolidae [360-361], Cirolanidae [294], Citharidae [360], Clupeidae [360-361], Congridae [360], Crangonidae [360], Echinasteridae [360], Eledonidae [360], Engraulidae [360-361], Euprosinidae [361], Gadidae [359-360], Gobiidae [360-361], Goneplacidae [360-361], Haliotidae [294], Inachidae [360], Leucosiidae [360], Loliginidae [294,360], Merlucciidae [360], Mullidae [360-361], Nereididae [360], Octopodidae [294,360], Paguridae [294], Palaemonidae [294], Penaeidae [360-361], Polybiidae [294,360-361], Portunidae [294], Scyliorhinidae [361], Sepiidae [294,360-361], Sepiolidae [360], Serranidae [360], Sicyoniidae [360], Sipunculidae [294,360], Soleidae [294,360], Sparidae [360], Squillidae [360]	11	4	1103 (1471)
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<i>Squalus megalops</i>	60	Acropomatidae [299], Alpheidae [299], Aphroditidae [299], Apogonidae [299], Argentinidae [73,299], Callionymidae [103], Carangidae [299], Centriscidae [299], Cirolanidae [299], Clupeidae [299], Congridae [299], Crangonidae [73], Cyttidae [299], Diogenidae [299], Dussumieriidae [103], Engraulidae [73,103], Eunicidae [299], Fasciolariidae [299], Gempylidae [299], Gerreidae [299], Histioteuthidae [299], Leucosiidae [299], Loliginidae [73], Lumbrineridae [299], Macrouridae [299], Merlucciidae [299], Myctophidae [73,103,299], Nannosquillidae [299], Narcinidae [299], Nereididae [299], Octopodidae [73,103,299], Ommastrephidae [73,299], Ophichthidae [299], Otariidae [299], Paguridae [299], Palaemonidae [299], Palinuridae [299], Paraulopidae [299], Penaeidae [103,299], Philinidae [299], Pylumidae [299], Platycephalidae [299], Portunidae [299], Rajidae [299], Scomberesocidae [73], Scombridae [73,299], Scorpaenidae [299], Sebastidae [299], Serrivomeridae [299], Sillaginidae [299], Sipunculidae [299], Solenoceridae [299], Squalidae [299], Squillidae [103,299], Triakidae [299], Trichiuridae [73,103], Triglidae [299], Turbinidae [299], Urolophidae [299], Volutidae [299]	9	3	694 (1076)
<i>Squalus mitsukurii</i>	34	Benthescymidae [289], Berycidae [289], Bothidae [289], Callanthiidae [289], Calappidae [103], Callionymidae [103], Clupeidae [103], Congridae [103,289], Echeneidae [289], Emmelichthyidae [103,289], Enoploteuthidae [289], Epigonidae [289], Euphausiidae [289], Gnathophausiidae [289], Histioteuthidae [289], Macrouridae [103], Merlucciidae [103], Monacanthidae [289], Myctophidae [103,289], Ommastrephidae [103,289], Oplophoridae [289], Paralepididae [289], Parapaguridae [103], Phronimidae [289], Pyrosomatidae [289], Salpidae [289], Scomberesocidae [103], Sebastidae [103], Sepiolidae [289], Sergestidae [289], Sternoptychidae [289], Stomiidae [289], Trichiuridae [103], Zeidae [103]	10	2	312 (564)
<i>Squatina californica</i>	18	Batrachoididae [231], Carangidae [231], Clupeidae [231], Dussumieriidae [231], Enoploteuthidae [231], Holocentridae [231], Labridae [231], Mastigoteuthidae [231], Mugilidae [231], Muraenidae [231], Ophidiidae [231], Pomacentridae [231], Scombridae [231], Serranidae [231], Sicyoniidae [231], Stromateidae [231], Synodontidae [231], Triglidae [231]	9	1	190 (414)
<i>Squatina squatina</i>	4	Majidae [163], Pleuronectidae [163], Polybiidae [163], Triglidae [163]	7	1	18 (19)

<i>Triakis semifasciata</i>	35	Atherinidae [62,230], Batrachoididae [62,230], Blepharipodidae [62], Bothidae [62], Callianassidae [62,230], Cancridae [62,134-135,230], Clupeidae [62,230], Cottidae [62,135], Crangonidae [62,230], Cynoglossidae [62], Embiotocidae [62,135,230], Engraulidae [62,230], Gobiidae [62,230], Grapsidae [62,134], Hippidae [62], Loliginidae [135], Mactridae [135], Myliobatidae [135,230], Nereididae [230], Octopodidae [62,230], Ophidiidae [135], Paralichthyidae [135,230], Petromyzontidae [135], Pinnotheridae [135], Rajidae [135], Rhinobatidae [62], Sciaenidae [62], Scorpaenidae [62], Solenidae [135], Squalidae [135], Syngnathidae [135], Triakidae [230], Upogebiidae [62,135,230], Urechidae [62,134-135,230], Varunidae [62,134]	49	4	676 (827)
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Table S2. Summary of “tips” analysis assessing predictors of tapeworm richness, taxonomic distinctness (TD), and variance in TD of tapeworm assemblages in sharks (random effects of main models are excluded in this analysis). The relative importance of predictors is compared by model-averaged weights (w+(i)s), ranks, parameter estimates, 95% confidence intervals (CIs) and partial r^2 values. Bolded confidence intervals indicate statistically significant effects

Tapeworm Richness Fixed effects					
	w+(i)	Rank	Estimate	95% CI	r^2
Diet Breadth	1.00	1	0.926	(0.279, 1.574)	0.165
Diet TD	0.98	2	-3.046	(-5.118, -1.115)	0.112
Diet Breadth*Diet TD	0.94	3	-0.124	(-0.219, -0.043)	0.094
Trophic Level	0.89	4	0.283	(-2.074, 2.714)	0.000
Diet Breadth*Trophic Level	0.84	5	-0.109	(-0.221, -0.039)	0.085
Depth Range	0.71	6	-0.001	(-0.002, 0.000)	0.045
Depth Mid-Point	0.30	7	0.000	(-0.003, 0.004)	0.005
Host Size	0.29	8	0.000	(-0.017, 0.017)	0.000
Latitudinal Range	0.28	9	0.002	(-0.017, 0.034)	0.008
Host Size*Trophic Level	0.06	10	0.000	(-0.010, 0.008)	0.000
Tapeworm TD Fixed effects					
	w+(i)	Rank	Estimate	95% CI	r^2
Latitudinal Range	0.45	1	-0.003	(-0.009, 0.002)	0.052
Depth Range	0.41	2	-0.000	(-0.001, 0.000)	0.086
Depth Mid-Point	0.36	3	0.000	(-0.000, 0.001)	0.032
Trophic Level	0.33	4	-0.151	(-0.548, 0.246)	0.035
Diet TD	0.32	5	-0.097	(-0.355, 0.162)	0.006
Host Size	0.27	6	-0.000	(-0.003, 0.002)	0.050
Diet Breadth	0.26	7	-0.001	(-0.021, 0.018)	0.004
Latitudinal range*Depth Range	0.15	8	0.000	(-0.000, 0.000)	0.068
Host Size*Trophic Level	0.03	9	0.001	(-0.001, 0.002)	0.054
Diet Breadth*Diet TD	0.03	10	0.006	(-0.008, 0.020)	0.005
Variance in TD Fixed effects					
	w+(i)	Rank	Estimate	95% CI	r^2
Depth Range	0.39	1	0.000	(-0.000, 0.001)	0.004
Trophic Level	0.33	2	-0.172	(-0.618, 0.274)	0.003
Latitudinal Range	0.27	3	-0.000	(-0.006, 0.006)	0.015
Diet Breadth	0.27	4	0.004	(-0.022, 0.031)	0.043
Diet TD	0.26	5	0.029	(-0.312, 0.371)	0.009
Depth Mid-Point	0.25	6	0.000	(-0.001, 0.001)	0.012
Host Size	0.25	7	0.000	(-0.002, 0.002)	0.001
Variance in Diet TD	0.24	8	-0.066	(-0.312, 0.371)	0.006
Latitudinal range*Depth Range	0.04	9	0.000	(-0.000, 0.000)	0.025
Diet Breadth*Diet TD	0.03	10	-0.010	(-0.028, 0.009)	0.039
Host Size*Trophic Level	0.02	11	-0.000	(-0.002, 0.001)	0.001

Table S3. Summary of host features as predictors for variance in the taxonomic distinctness (TD) of tapeworm assemblages in sharks. The relative importance of predictors is compared by model-averaged weights (w+(i)s), ranks, parameter estimates, 95% confidence intervals (CIs) and partial r^2 values.

Random effects					
	Number of levels		Variance explained (%)		
Host Phylogeny (Genus/Family/Order)	(n=29)		58.64%		
Habitat	(n=6)		0.00%		
Diet composition	(n=5)		0.00%		
Fixed effects					
	w+(i)	Rank	Estimate	95% CI	r^2
Trophic Level	0.22	1	-0.270	(-0.661, 0.121)	0.002
Variance in Diet TD	0.10	2	0.046	(-0.292, 0.385)	0.000
Diet TD	0.09	3	-0.061	(-0.365, 0.243)	0.013
Latitudinal Range	<0.01	4	-0.003	(-0.008, 0.002)	0.019
Diet Breadth	<0.01	5	0.002	(-0.004, 0.008)	0.029
Host Size	<0.01	6	-0.000	(-0.001, 0.000)	0.002
Depth Mid-Point	<0.01	7	-0.000	(-0.001, 0.000)	0.009
Depth Range	<0.01	8	-0.000	(-0.000, 0.000)	0.002
Diet Breadth*Diet TD	0.00	9	0.000	(-0.000, 0.000)	0.024
Host Size*Trophic Level	0.00	9	0.000	(-0.000, 0.000)	0.003
Latitudinal range*Depth Range	0.00	9	0.000	(-0.000, 0.000)	0.009