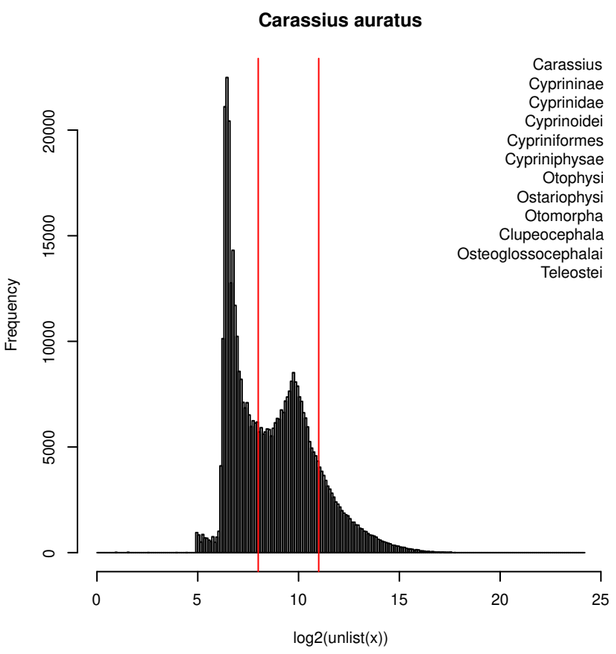
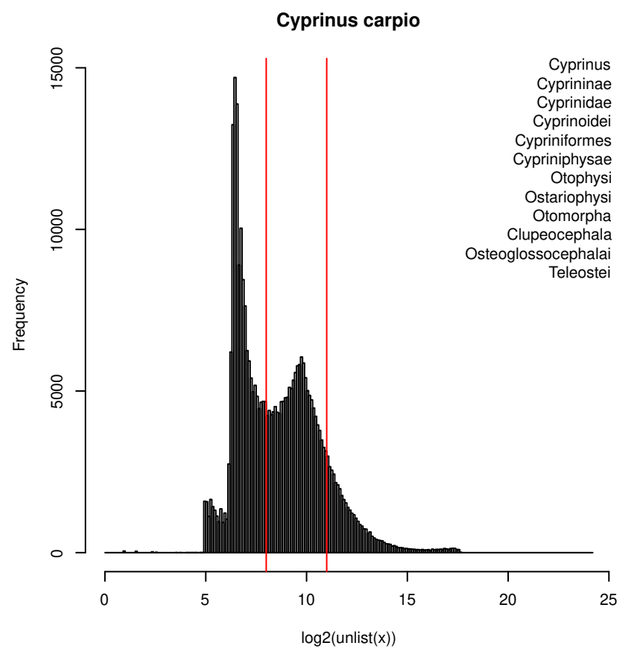
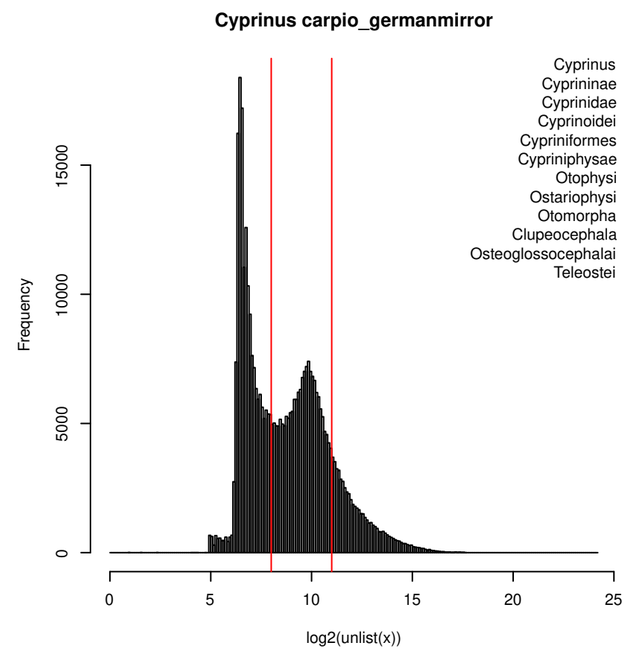
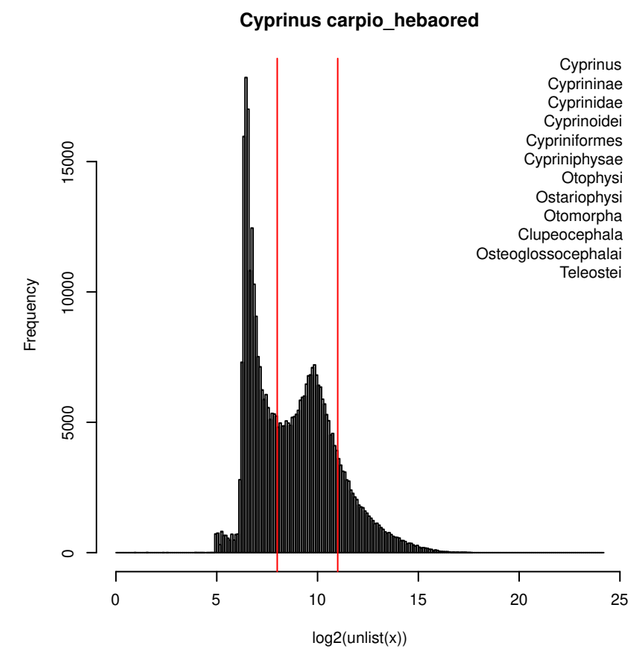
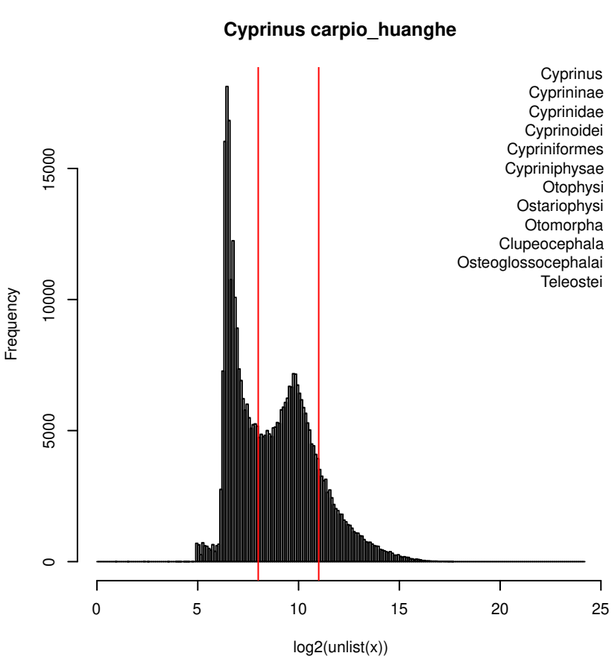
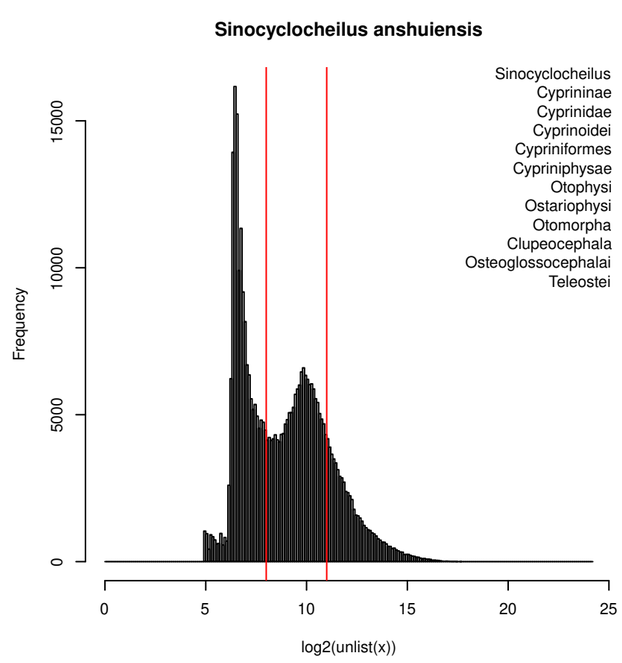

Carassius auratus
Carassius
Cyprininae
Cyprinidae
Cyprinoidei
Cypriniformes
Cypriniphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

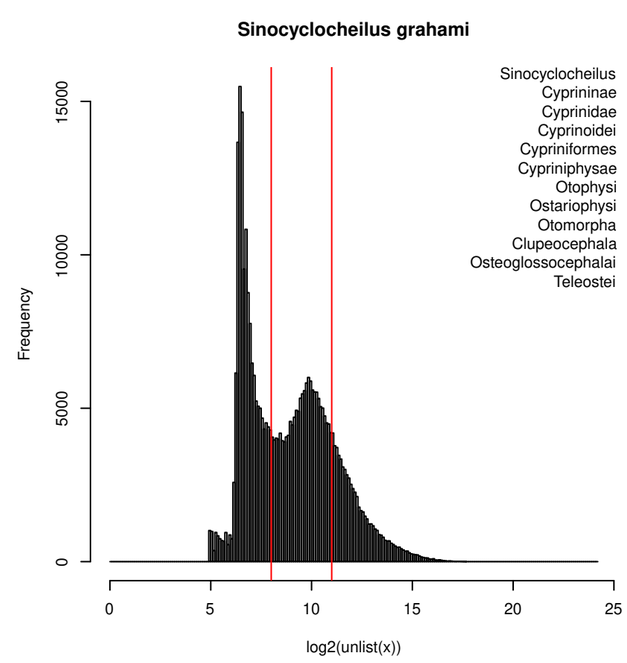

Cyprinus carpio
Cyprinus
Cyprininae
Cyprinidae
Cyprinoidei
Cypriniformes
Cypriniphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

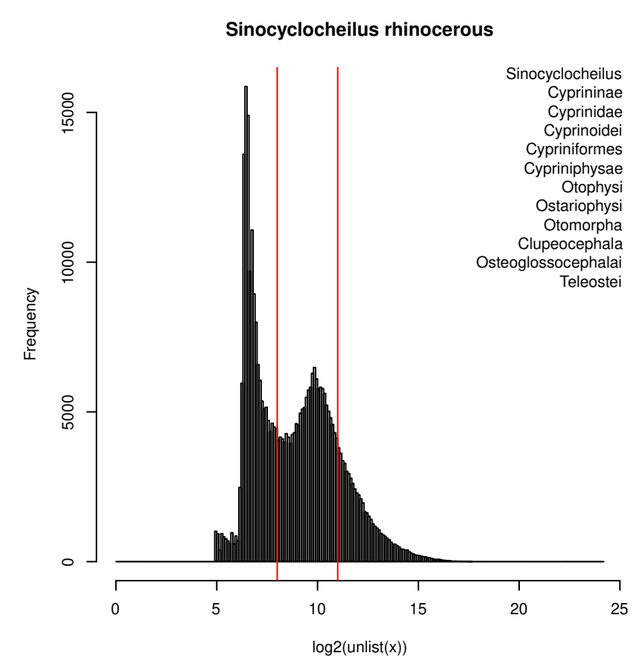

Cyprinus carpio_germanmirror
Cyprinus
Cyprininae
Cyprinidae
Cyprinoidei
Cypriniformes
Cypriniphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

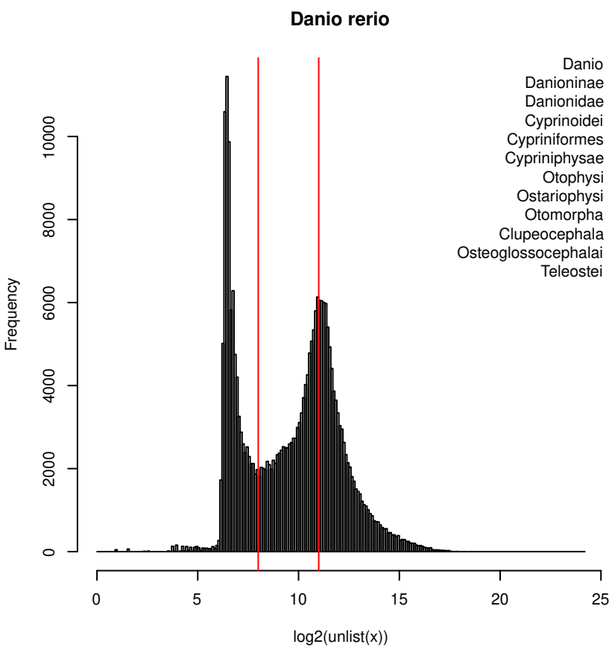

Cyprinus carpio_hebaored
Cyprinus
Cyprininae
Cyprinidae
Cyprinoidei
Cypriniformes
Cypriniphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

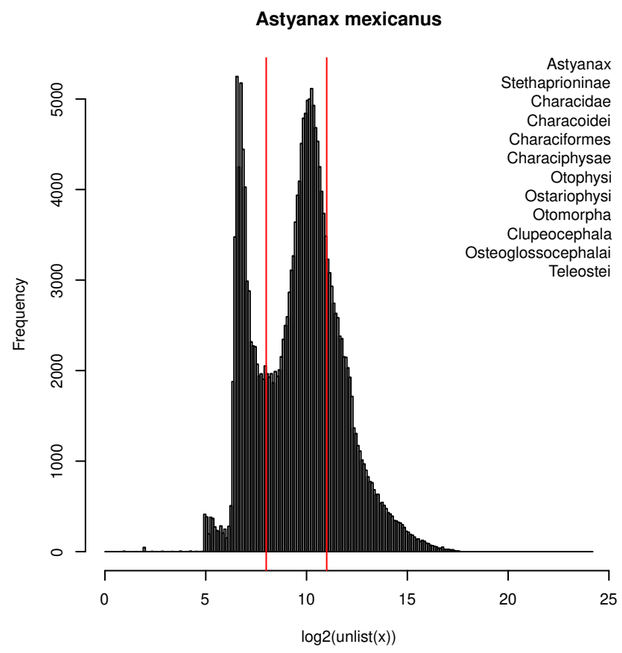

Cyprinus carpio_huanghe
Cyprinus
Cyprininae
Cyprinidae
Cyprinoidei
Cypriniformes
Cypriniphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

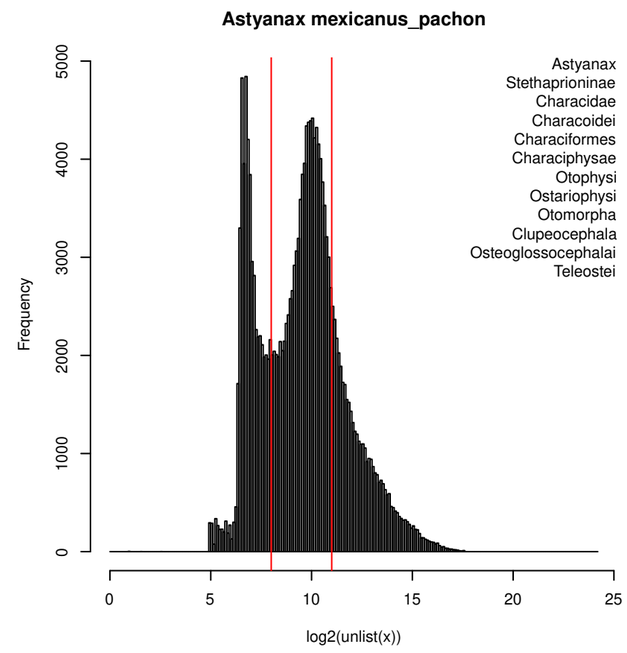

Sinocyclocheilus anshuiensis
Sinocyclocheilus
Cyprininae
Cyprinidae
Cyprinoidei
Cypriniformes
Cypriniphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

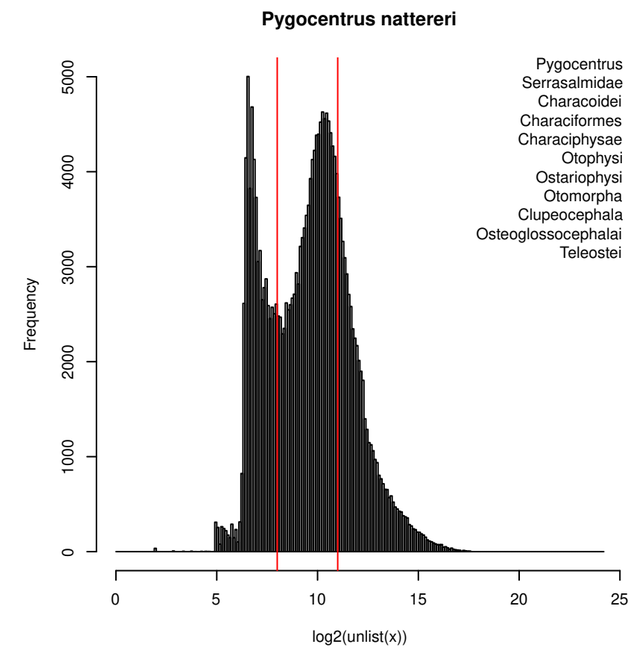

Sinocyclocheilus grahami
Sinocyclocheilus
Cyprininae
Cyprinidae
Cyprinoidei
Cypriniformes
Cypriniphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

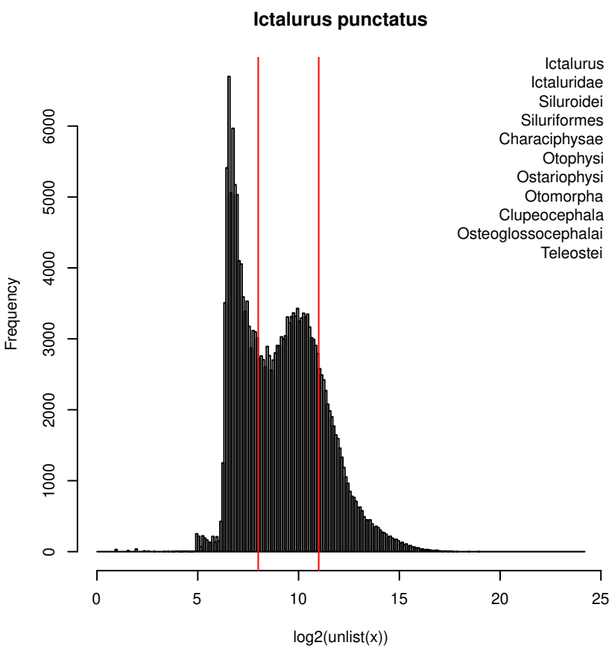

Sinocyclocheilus rhinocerous
Sinocyclocheilus
Cyprininae
Cyprinidae
Cyprinoidei
Cypriniformes
Cypriniphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

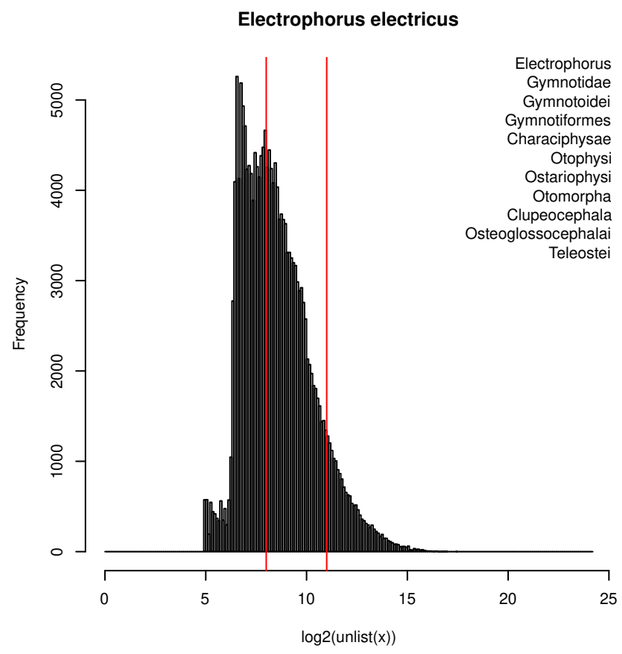

Danio rerio
Danio
Danioninae
Danionidae
Cyprinoidei
Cypriniformes
Cypriniphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

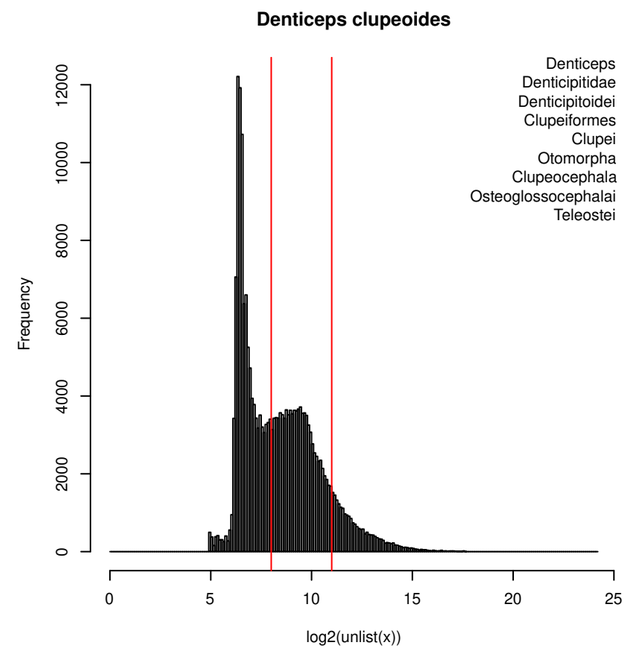

Astyanax mexicanus
Astyanax
Stethaprioninae
Characidae
Characoidei
Characiformes
Characiphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

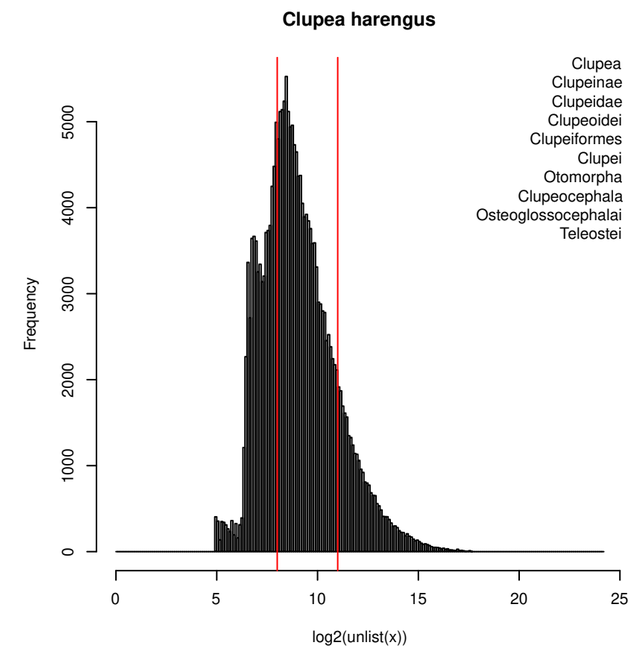

Astyanax mexicanus_pachon
Astyanax
Stethaprioninae
Characidae
Characoidei
Characiformes
Characiphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

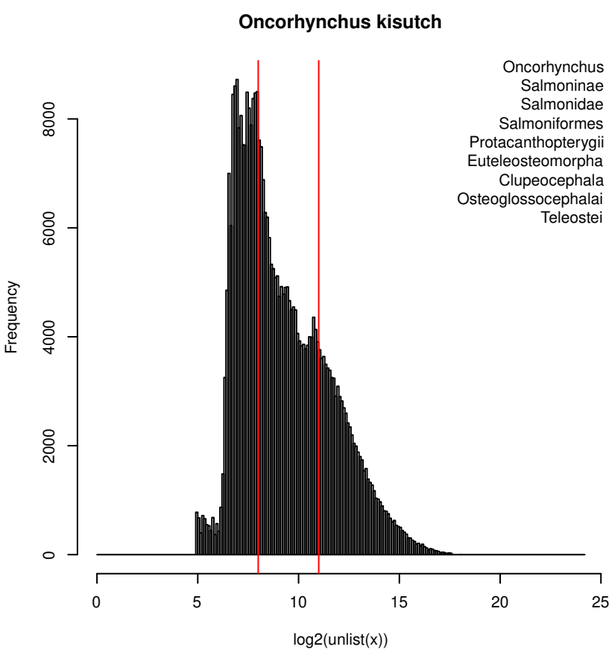

Pygocentrus nattereri
Pygocentrus
Serrasalmidae
Characoidei
Characiformes
Characiphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

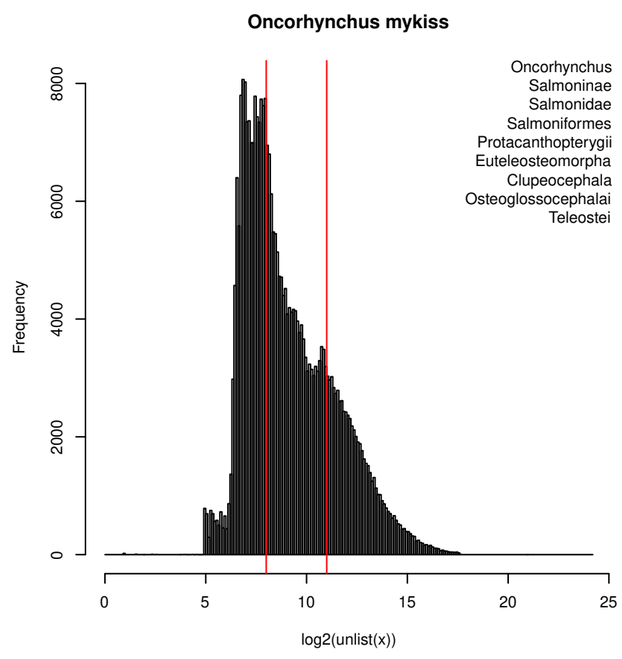

Ictalurus punctatus
Ictalurus
Ictaluridae
Siluroidei
Siluriformes
Characiphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

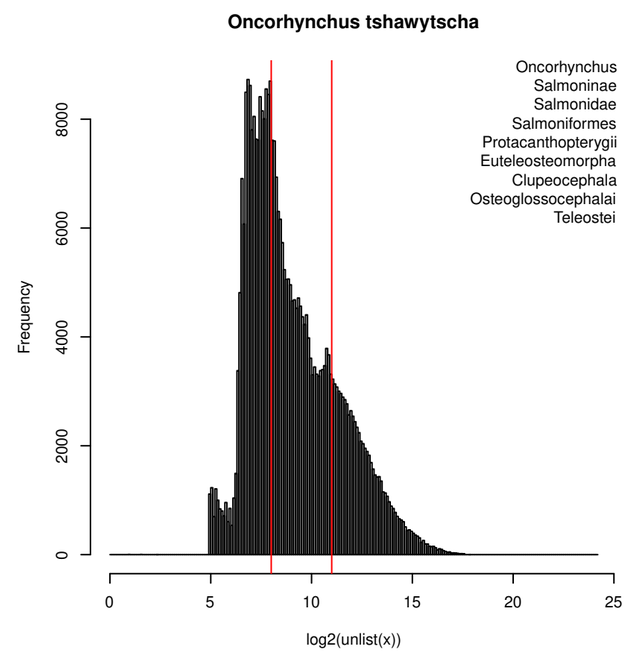

Electrophorus electricus
Electrophorus
Gymnotidae
Gymnotoidei
Gymnotiformes
Characiphysae
Otophysi
Ostariophysi
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

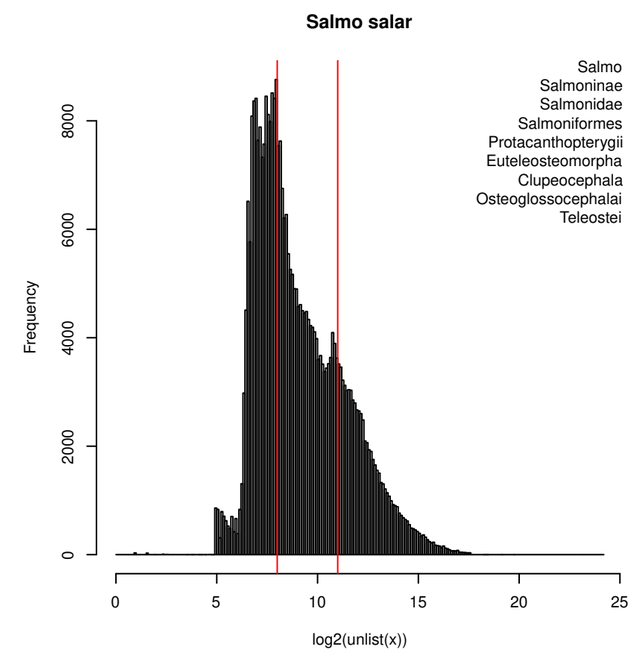

Denticeps clupeoides
Denticeps
Denticipitidae
Denticipitoidei
Clupeiformes
Clupei
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

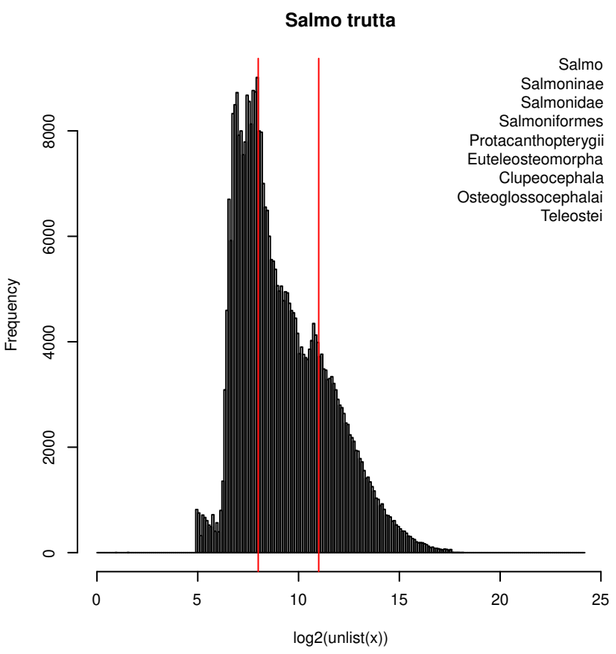

Clupea harengus
Clupea
Clupeinae
Clupeidae
Clupeoidei
Clupeiformes
Clupei
Otomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

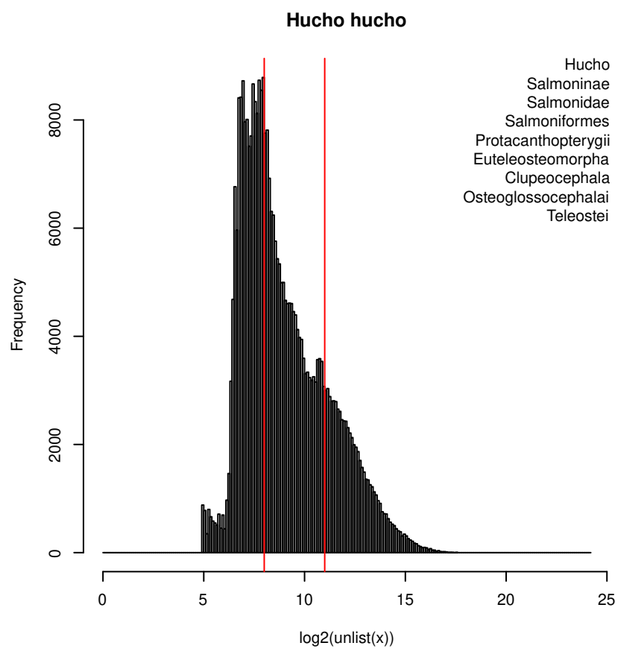

Oncorhynchus kisutch
Oncorhynchus
Salmoninae
Salmonidae
Salmoniformes
Protacanthopterygii
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

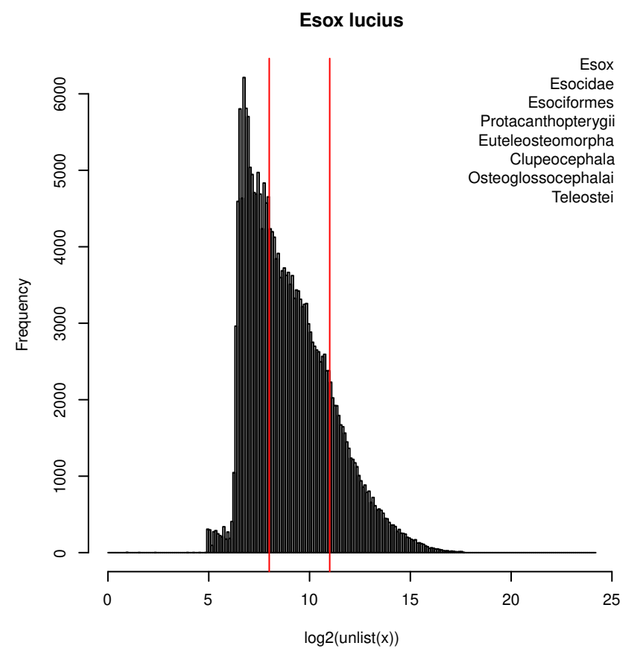

Oncorhynchus mykiss
Oncorhynchus
Salmoninae
Salmonidae
Salmoniformes
Protacanthopterygii
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

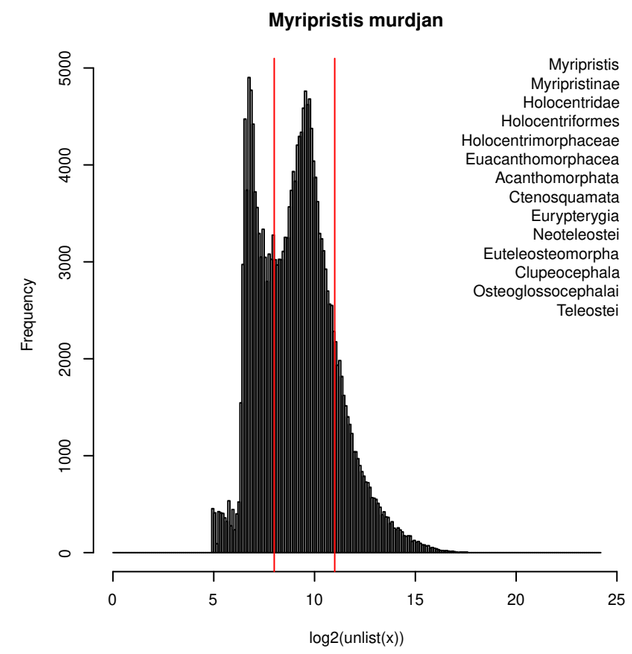

Oncorhynchus tshawytscha
Oncorhynchus
Salmoninae
Salmonidae
Salmoniformes
Protacanthopterygii
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

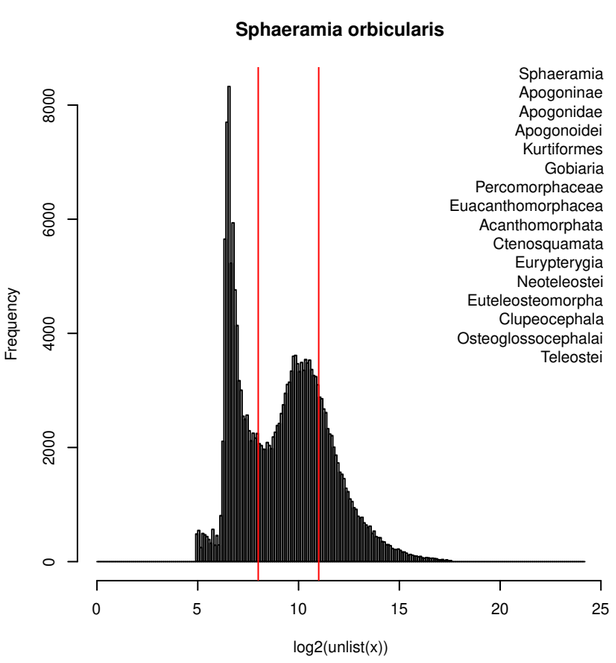

Salmo salar
Salmo
Salmoninae
Salmonidae
Salmoniformes
Protacanthopterygii
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

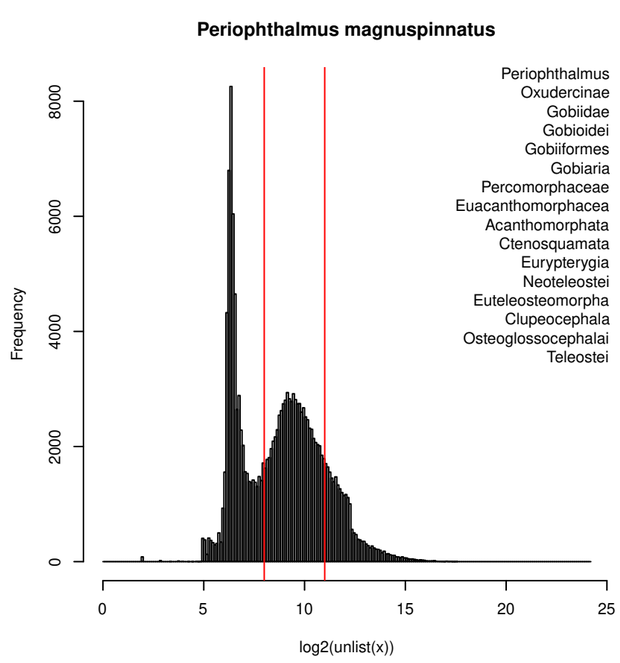

Salmo trutta
Salmo
Salmoninae
Salmonidae
Salmoniformes
Protacanthopterygii
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

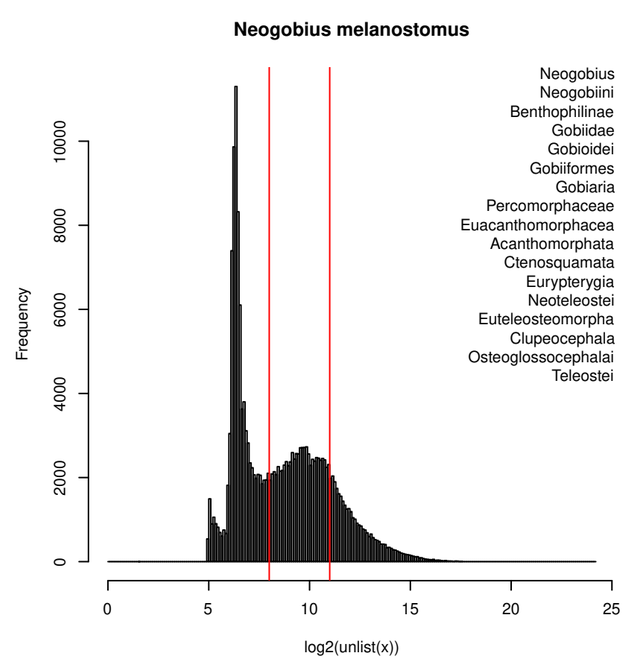

Hucho hucho
Hucho
Salmoninae
Salmonidae
Salmoniformes
Protacanthopterygii
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

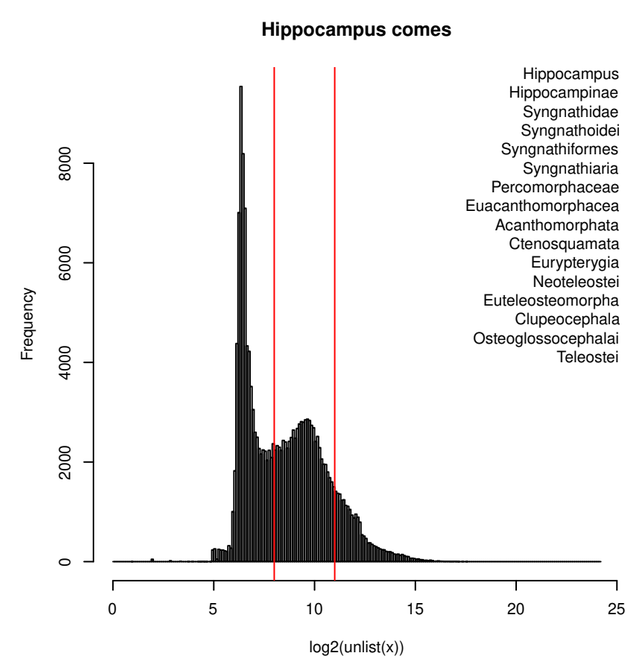

Esox lucius
Esox
Esocidae
Esociformes
Protacanthopterygii
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

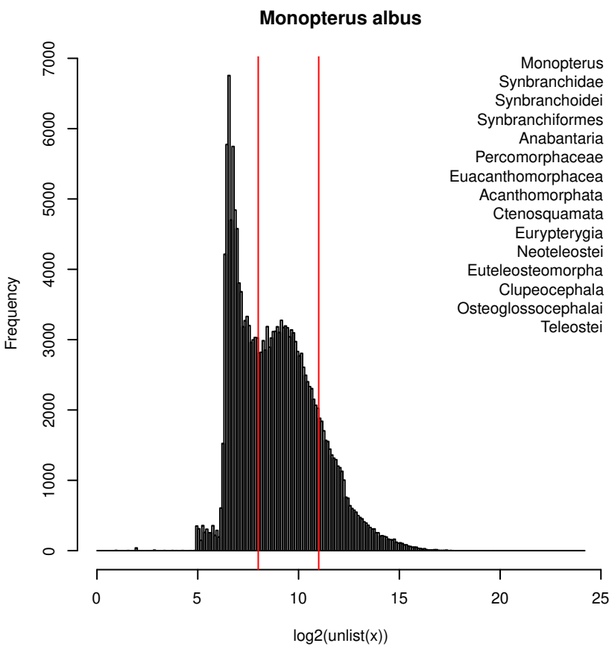

Myripristis murdjan
Myripristis
Myripristinae
Holocentridae
Holocentriformes
Holocentrimorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

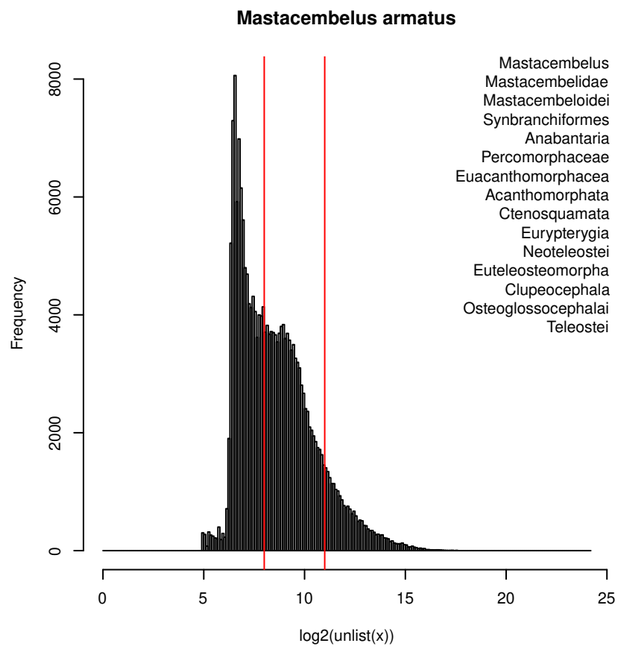

Sphaeramia orbicularis
Sphaeramia
Apogoninae
Apogonidae
Apogonoidei
Kurtiformes
Gobiaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

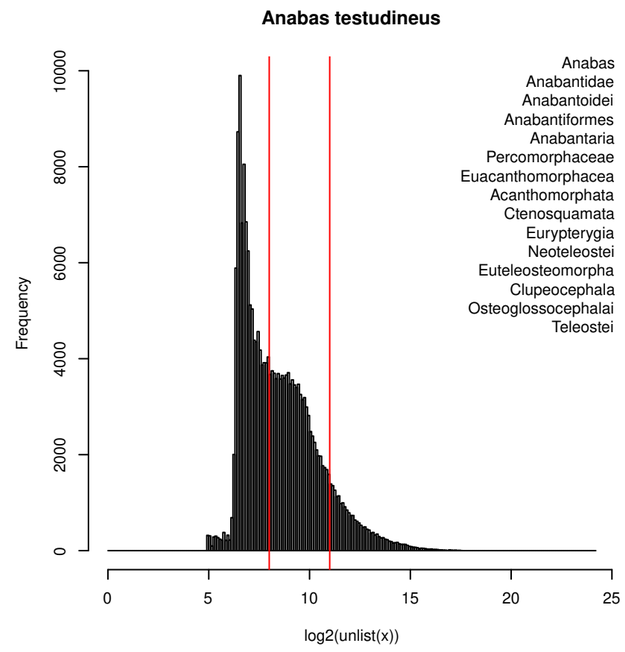

Periophthalmus magnuspinnatus
Periophthalmus
Oxudercinae
Gobiidae
Gobioidei
Gobiiformes
Gobiaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

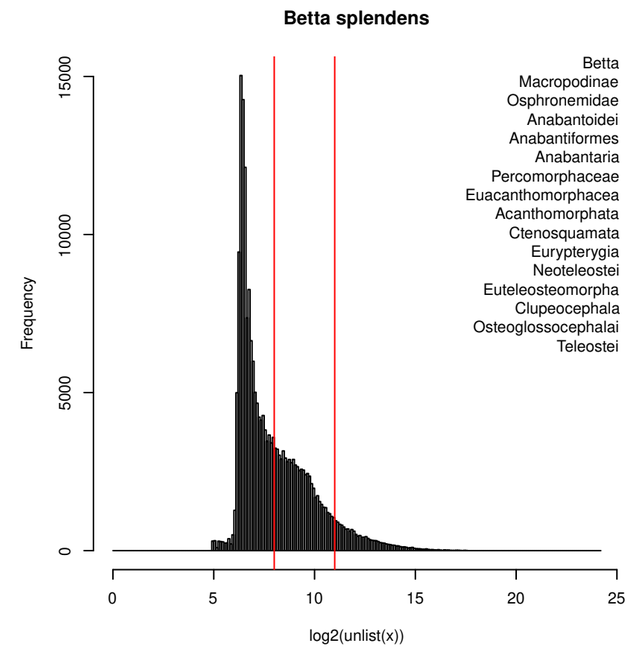

Neogobius melanostomus
Neogobius
Neogobiini
Benthophilinae
Gobiidae
Gobioidei
Gobiiformes
Gobiaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

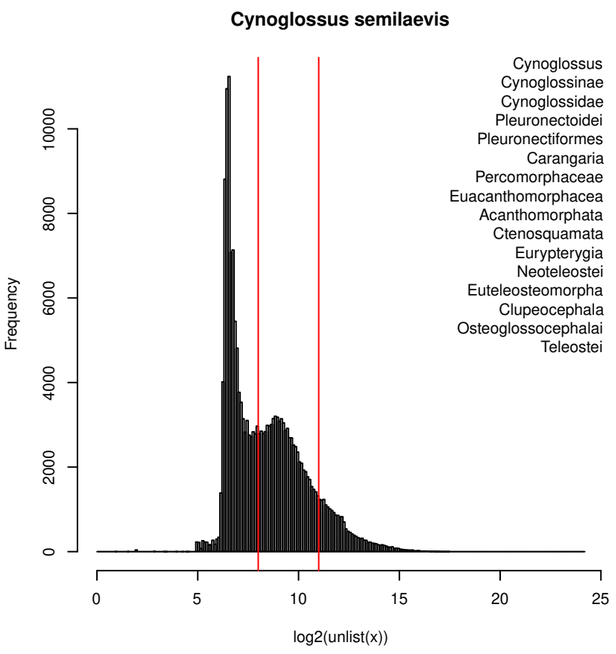

Hippocampus comes
Hippocampus
Hippocampinae
Syngnathidae
Syngnathoidei
Syngnathiformes
Syngnathiaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

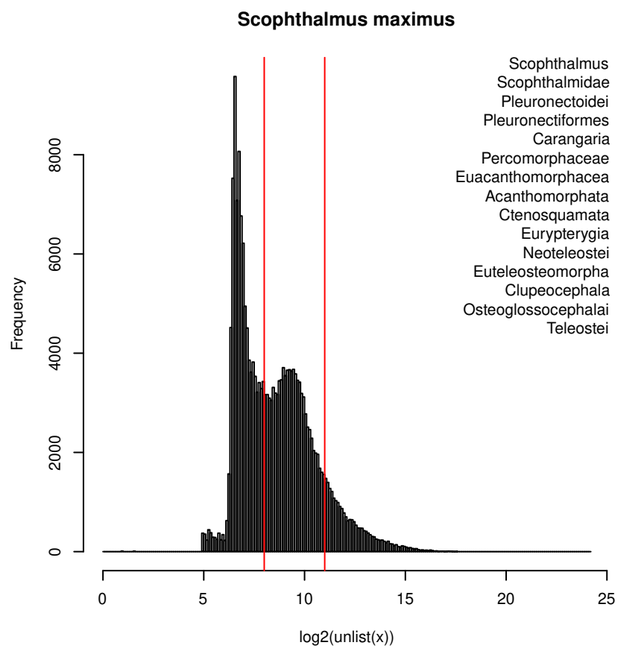

Monopterus albus
Monopterus
Synbranchidae
Synbranchoidei
Synbranchiformes
Anabantaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

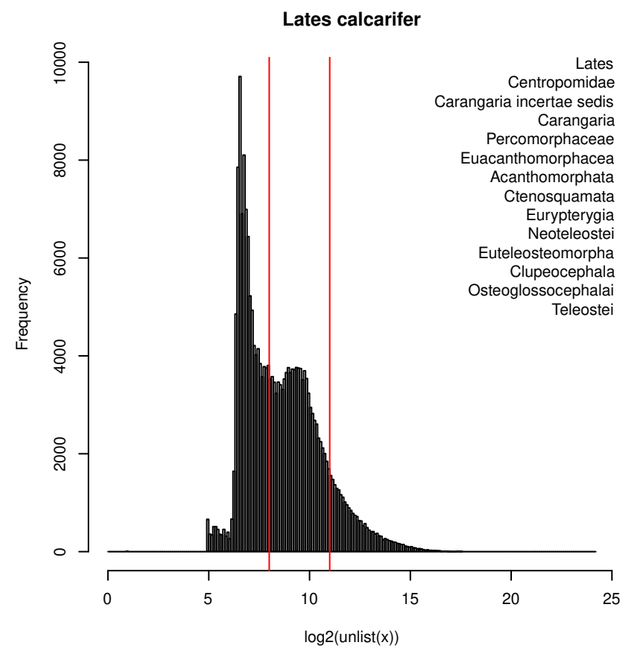

Mastacembelus armatus
Mastacembelus
Mastacembelidae
Mastacembeloidei
Synbranchiformes
Anabantaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

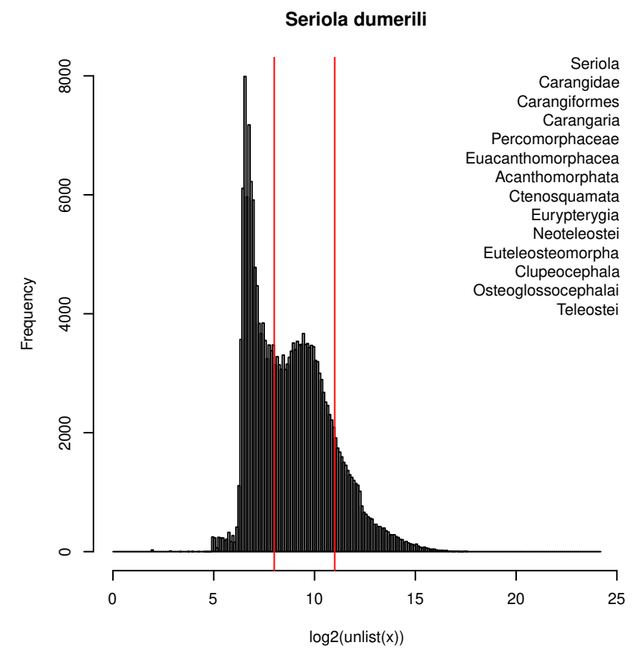

Anabas testudineus
Anabas
Anabantidae
Anabantoidei
Anabantiformes
Anabantaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

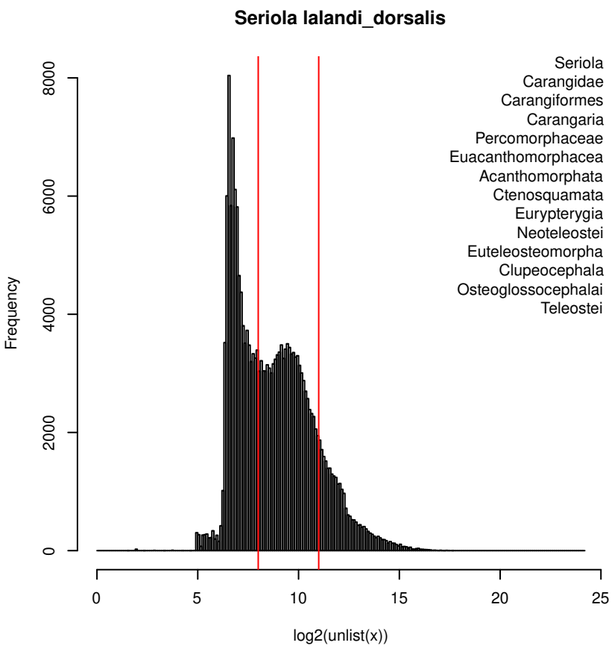

Betta splendens
Betta
Macropodinae
Osphronemidae
Anabantoidei
Anabantiformes
Anabantaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

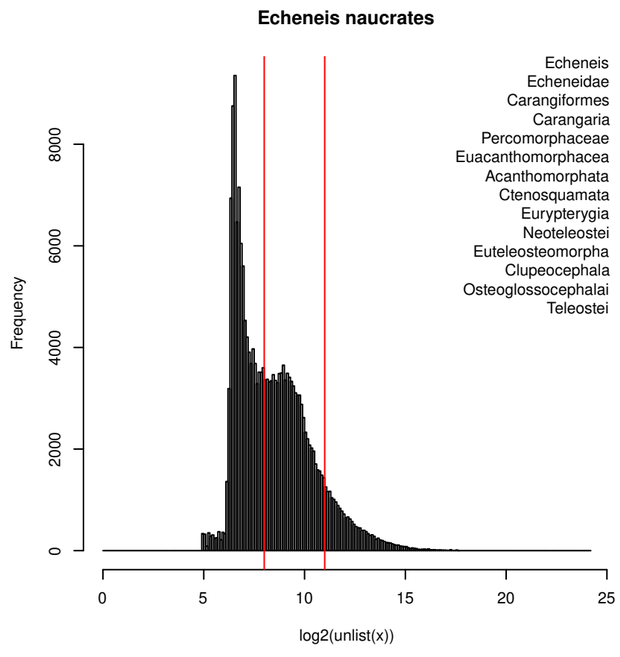

Cynoglossus semilaevis
Cynoglossus
Cynoglossinae
Cynoglossidae
Pleuronectoidei
Pleuronectiformes
Carangaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

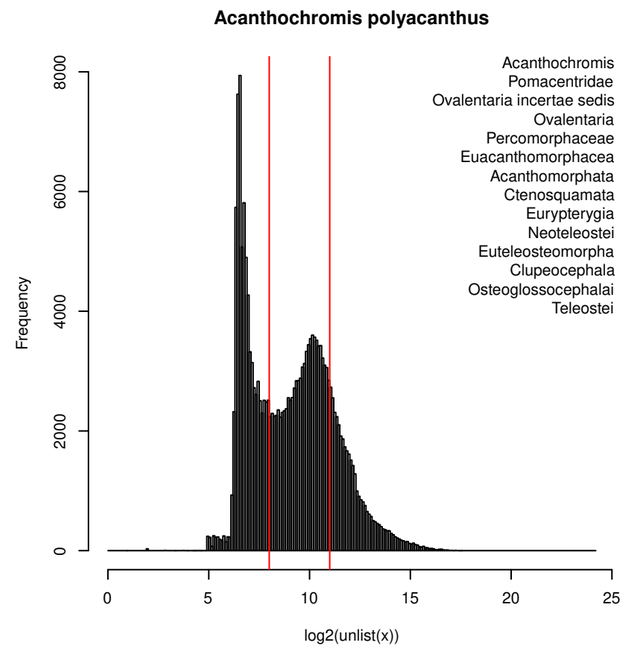

Scophthalmus maximus
Scophthalmus
Scophthalmidae
Pleuronectoidei
Pleuronectiformes
Carangaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

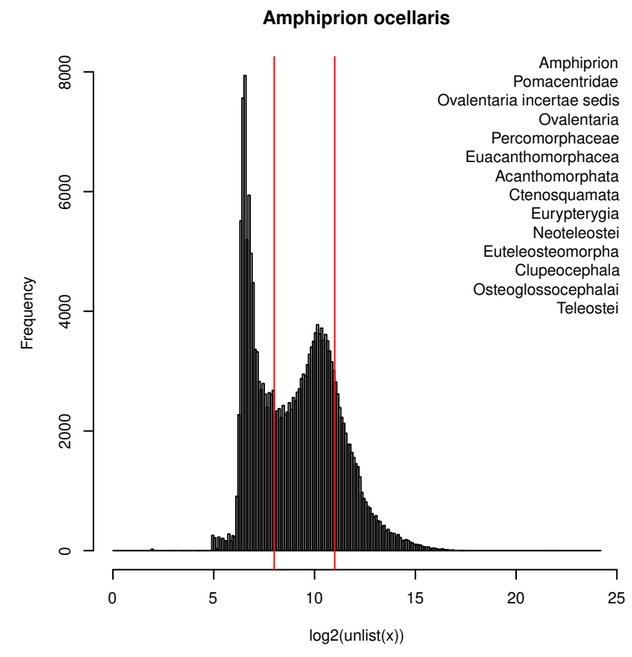

Lates calcarifer
Lates
Centropomidae
Carangaria incertae sedis
Carangaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

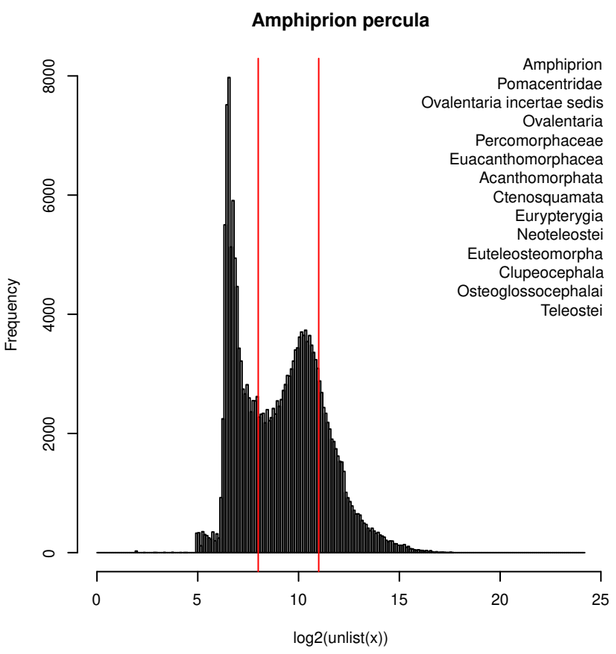

Seriola dumerili
Seriola
Carangidae
Carangiformes
Carangaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

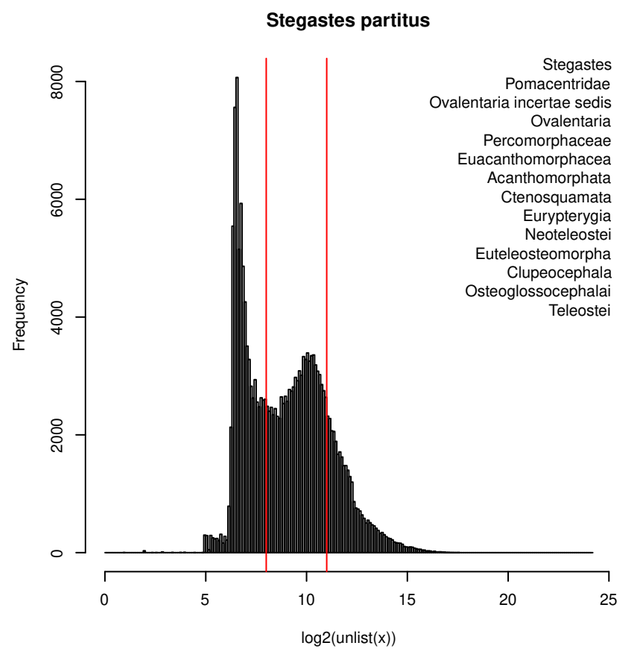

Seriola lalandi_dorsalis
Seriola
Carangidae
Carangiformes
Carangaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

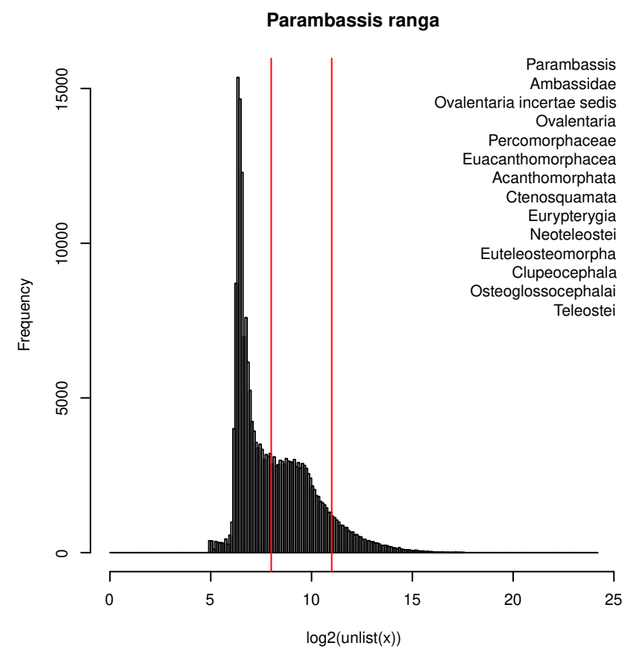

Echeneis naucrates
Echeneis
Echeneidae
Carangiformes
Carangaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

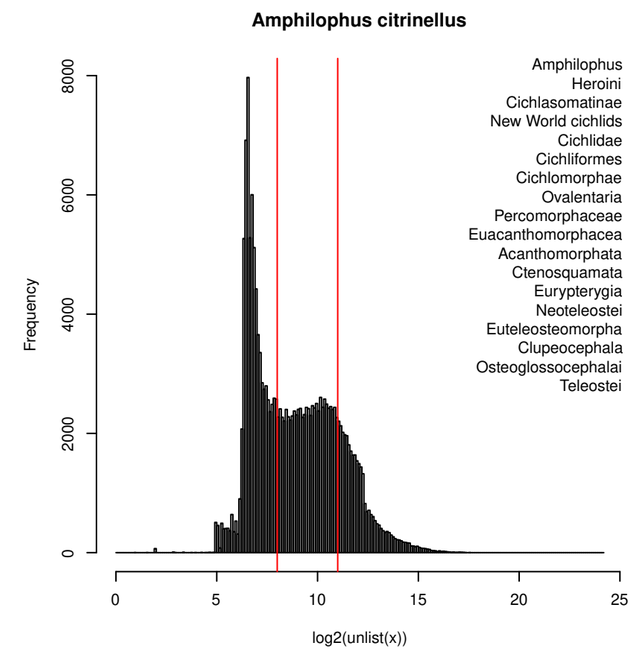

Acanthochromis polyacanthus
Acanthochromis
Pomacentridae
Ovalentaria incertae sedis
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

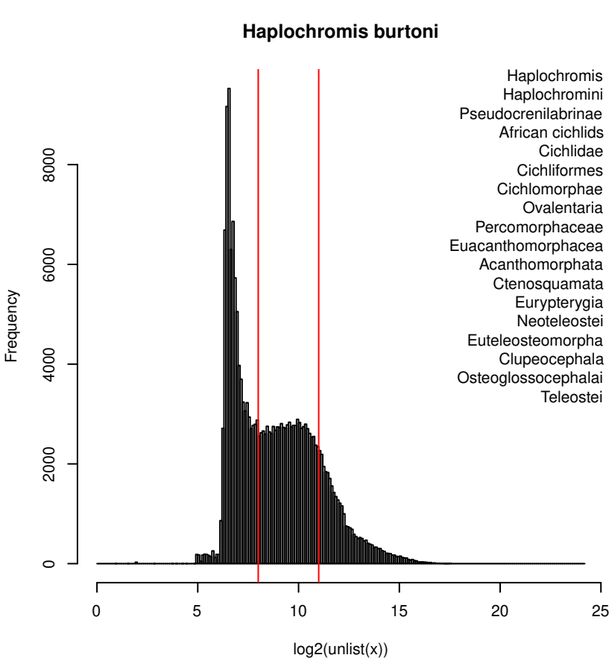

Amphiprion ocellaris
Amphiprion
Pomacentridae
Ovalentaria incertae sedis
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

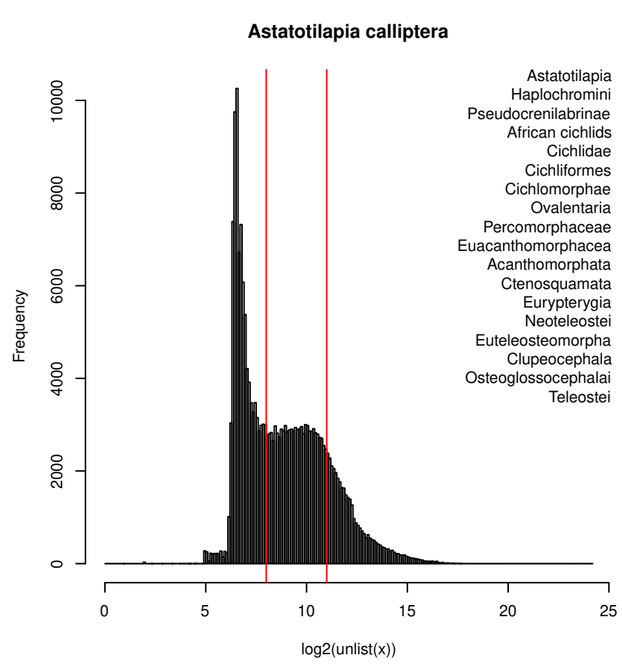

Amphiprion percula
Amphiprion
Pomacentridae
Ovalentaria incertae sedis
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

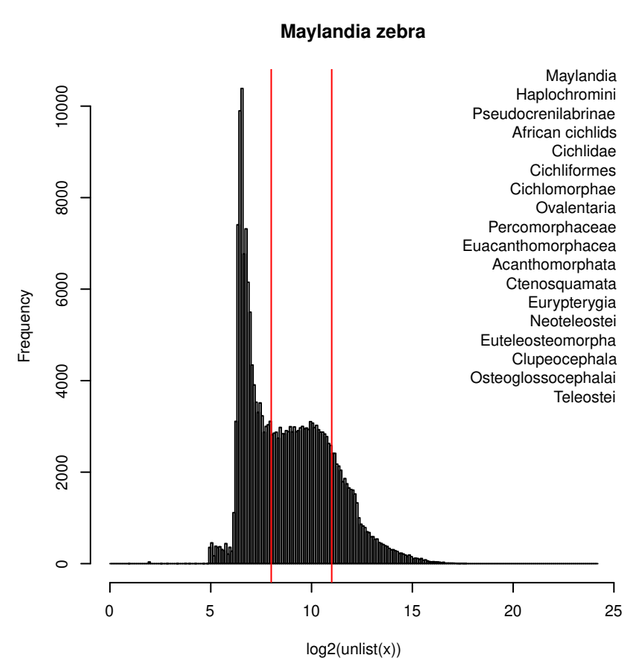

Stegastes partitus
Stegastes
Pomacentridae
Ovalentaria incertae sedis
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

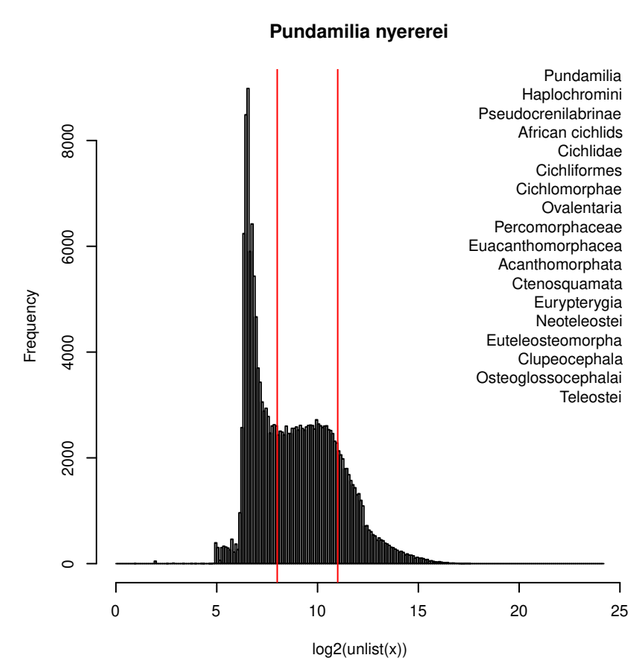

Parambassis ranga
Parambassis
Ambassidae
Ovalentaria incertae sedis
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

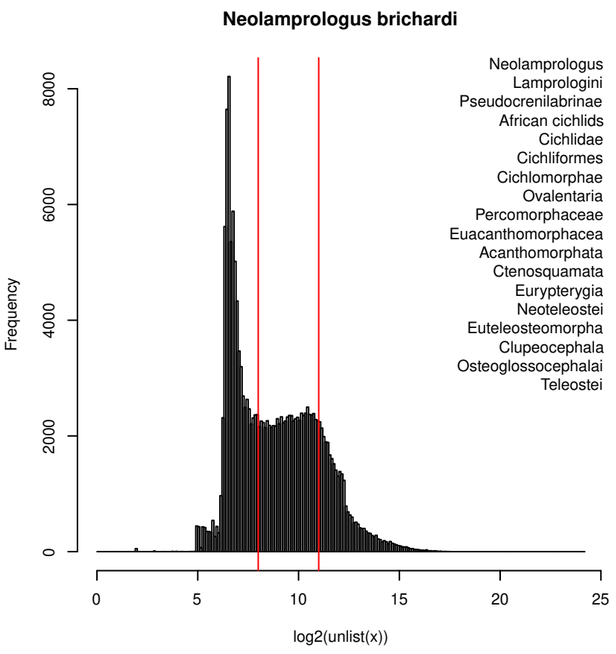

Amphilophus citrinellus
Amphilophus
Heroini
Cichlasomatinae
New World cichlids
Cichlidae
Cichliformes
Cichlomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

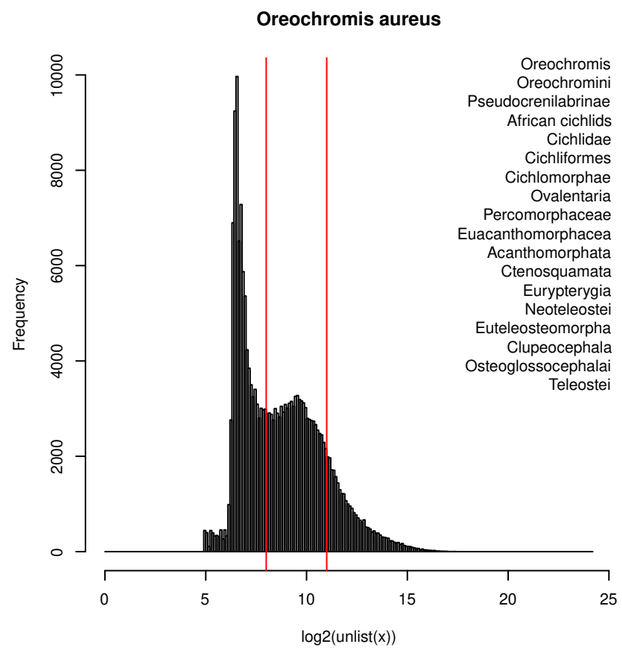

Haplochromis burtoni
Haplochromis
Haplochromini
Pseudocrenilabrinae
African cichlids
Cichlidae
Cichliformes
Cichlomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

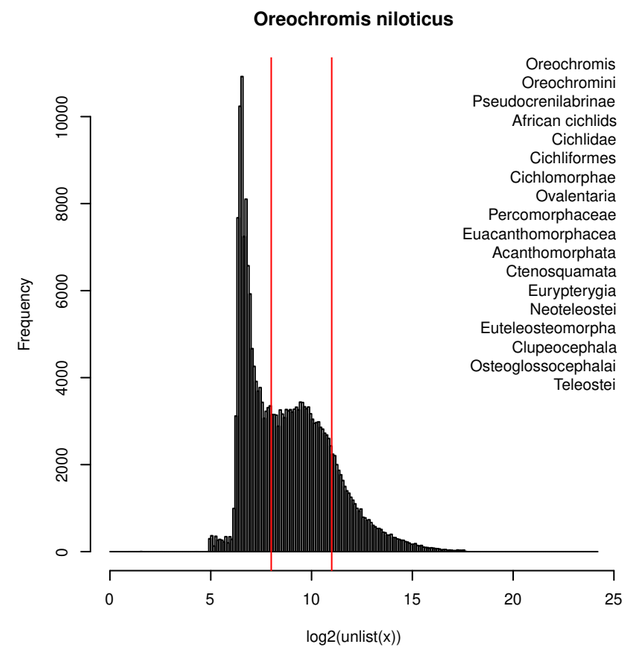

Astatotilapia calliptera
Astatotilapia
Haplochromini
Pseudocrenilabrinae
African cichlids
Cichlidae
Cichliformes
Cichlomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

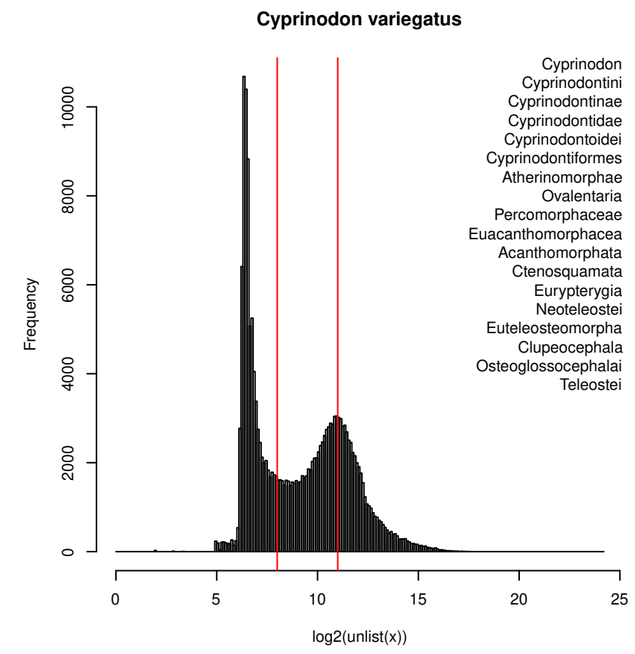

Maylandia zebra
Maylandia
Haplochromini
Pseudocrenilabrinae
African cichlids
Cichlidae
Cichliformes
Cichlomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

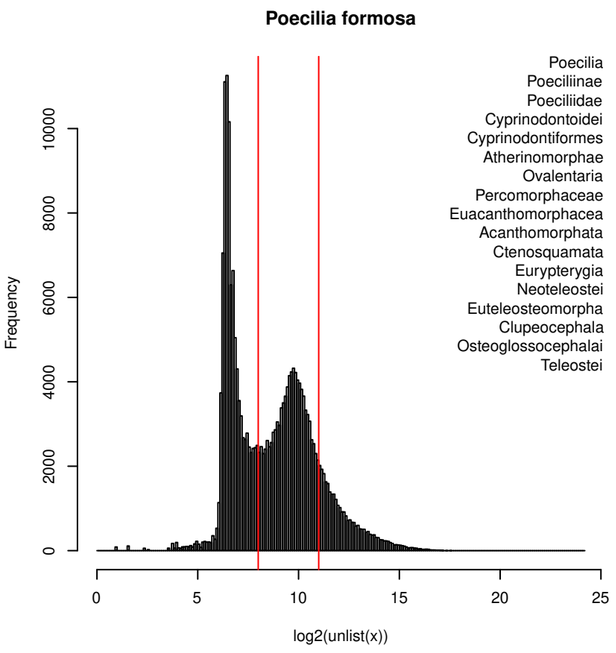

Pundamilia nyererei
Pundamilia
Haplochromini
Pseudocrenilabrinae
African cichlids
Cichlidae
Cichliformes
Cichlomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

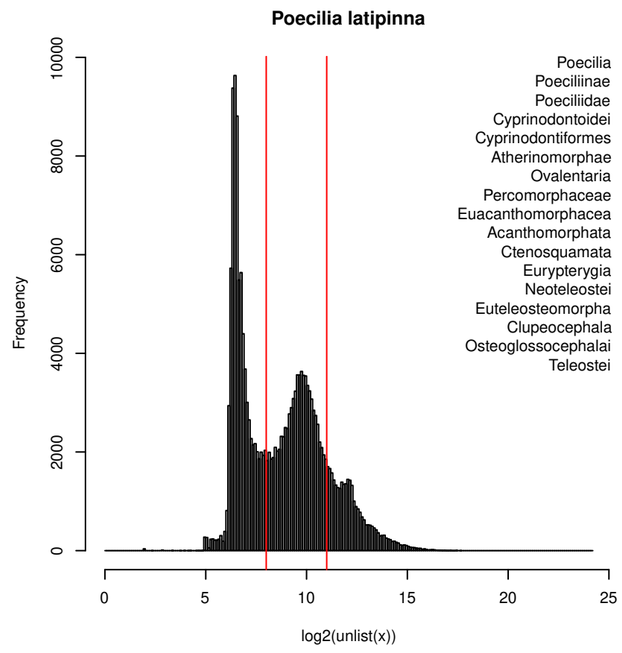

Neolamprologus brichardi
Neolamprologus
Lamprologini
Pseudocrenilabrinae
African cichlids
Cichlidae
Cichliformes
Cichlomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

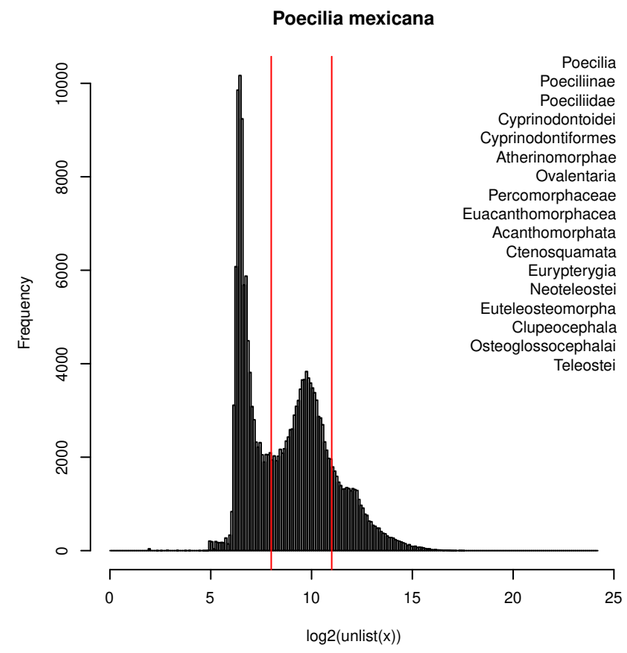

Oreochromis aureus
Oreochromis
Oreochromini
Pseudocrenilabrinae
African cichlids
Cichlidae
Cichliformes
Cichlomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

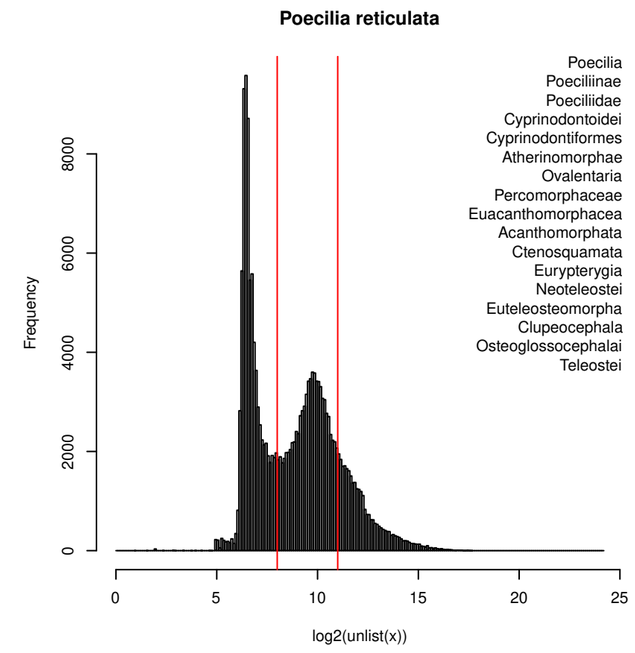

Oreochromis niloticus
Oreochromis
Oreochromini
Pseudocrenilabrinae
African cichlids
Cichlidae
Cichliformes
Cichlomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

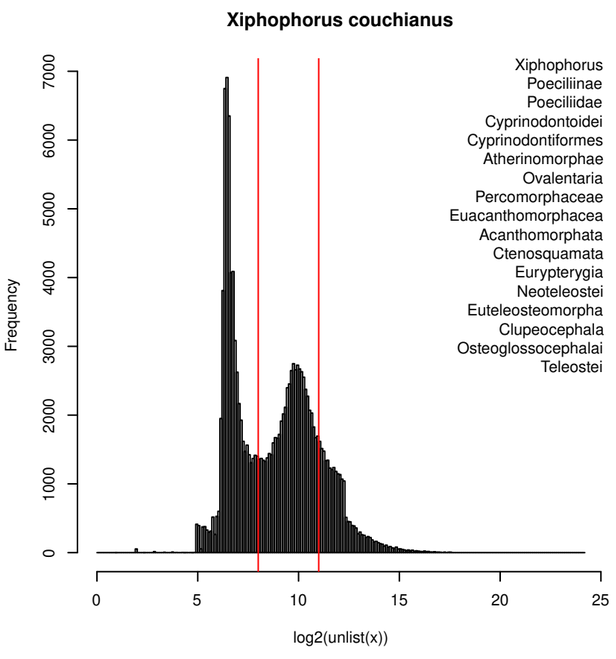

Cyprinodon variegatus
Cyprinodon
Cyprinodontini
Cyprinodontinae
Cyprinodontidae
Cyprinodontoidei
Cyprinodontiformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

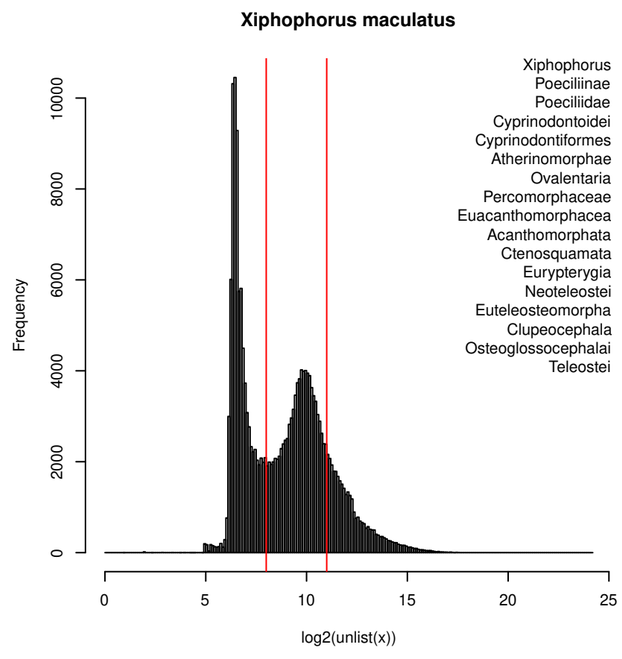

Poecilia formosa
Poecilia
Poeciliinae
Poeciliidae
Cyprinodontoidei
Cyprinodontiformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

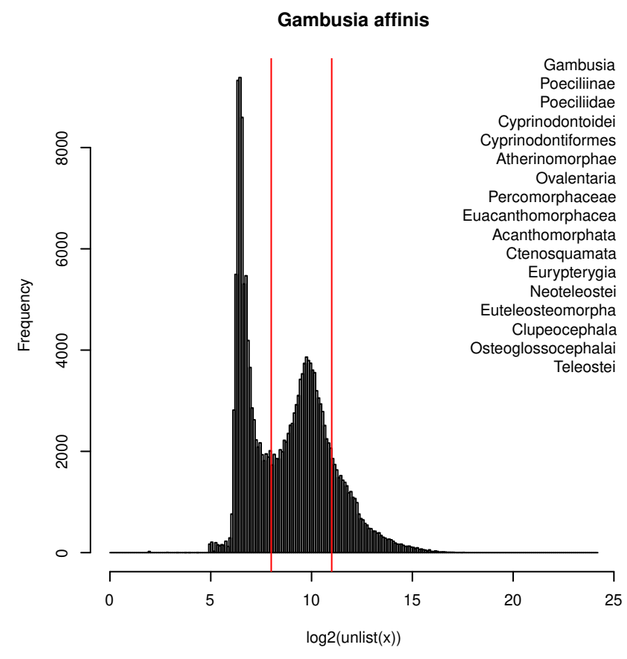

Poecilia latipinna
Poecilia
Poeciliinae
Poeciliidae
Cyprinodontoidei
Cyprinodontiformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

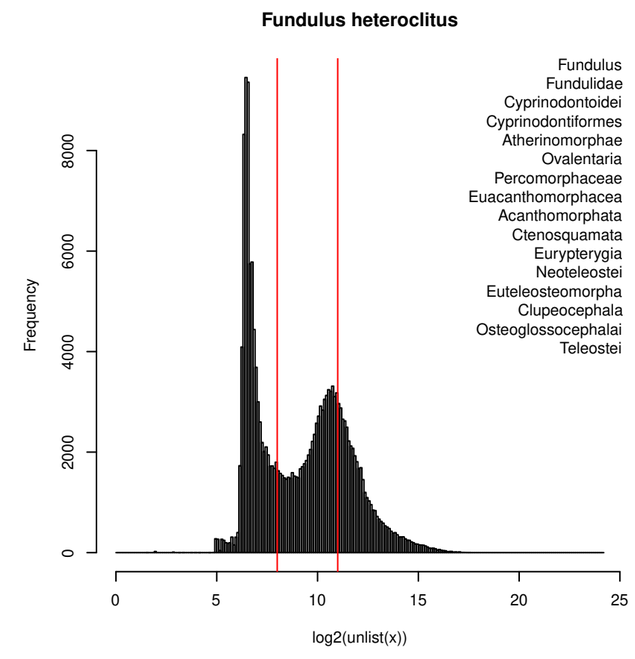

Poecilia mexicana
Poecilia
Poeciliinae
Poeciliidae
Cyprinodontoidei
Cyprinodontiformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

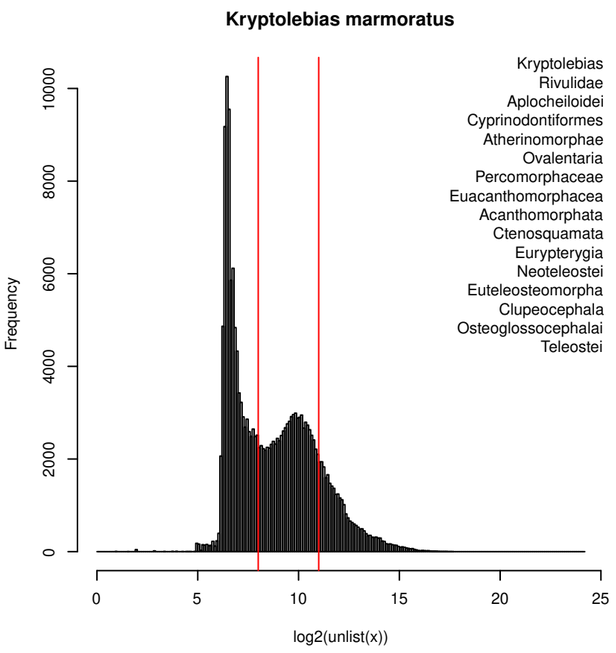

Poecilia reticulata
Poecilia
Poeciliinae
Poeciliidae
Cyprinodontoidei
Cyprinodontiformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

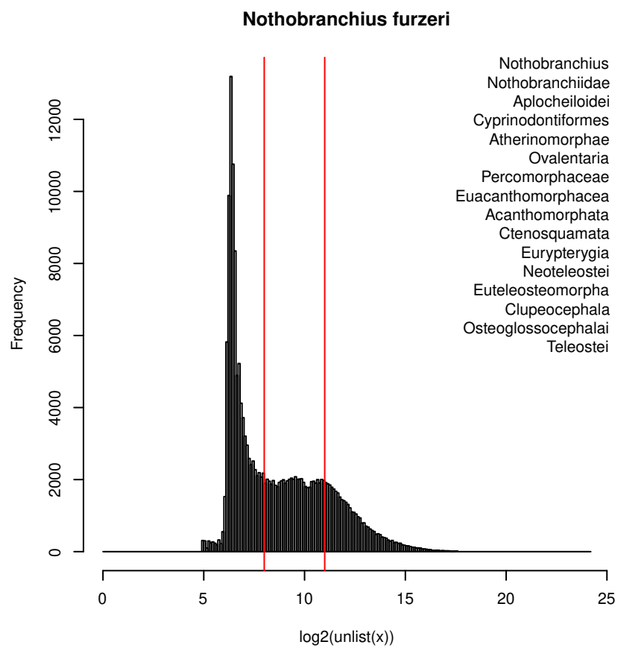

Xiphophorus couchianus
Xiphophorus
Poeciliinae
Poeciliidae
Cyprinodontoidei
Cyprinodontiformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

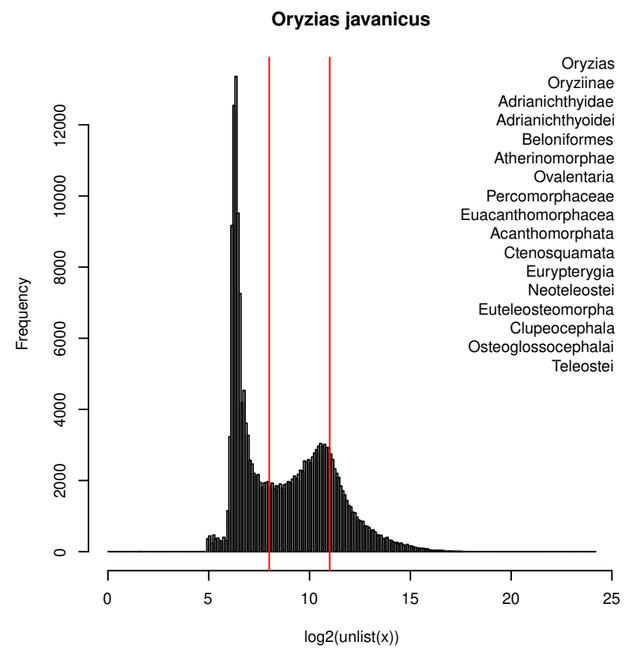

Xiphophorus maculatus
Xiphophorus
Poeciliinae
Poeciliidae
Cyprinodontoidei
Cyprinodontiformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

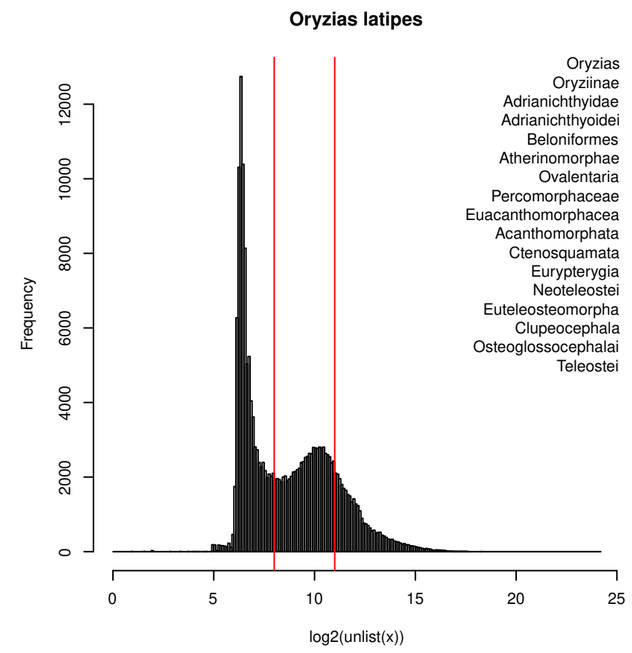

Gambusia affinis
Gambusia
Poeciliinae
Poeciliidae
Cyprinodontoidei
Cyprinodontiformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

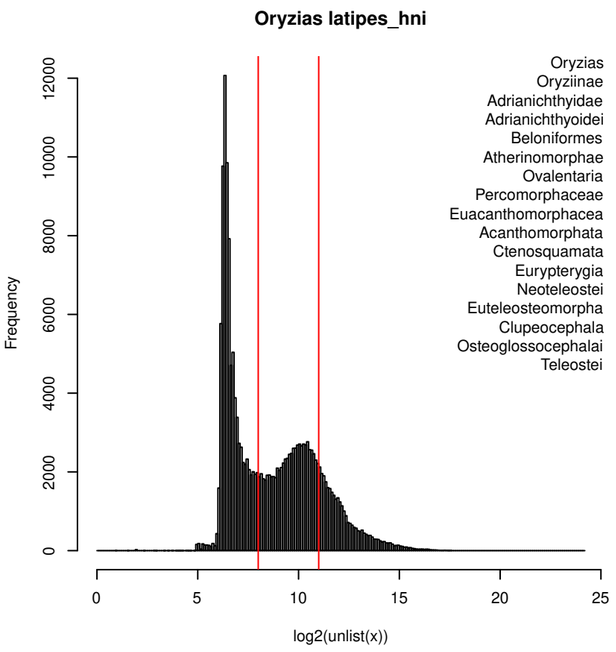

Fundulus heteroclitus
Fundulus
Fundulidae
Cyprinodontoidei
Cyprinodontiformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

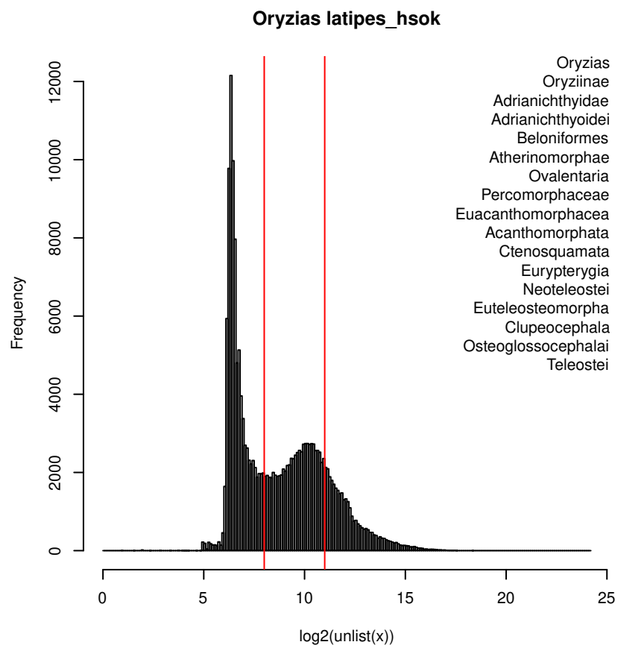

Kryptolebias marmoratus
Kryptolebias
Rivulidae
Aplocheiloidei
Cyprinodontiformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

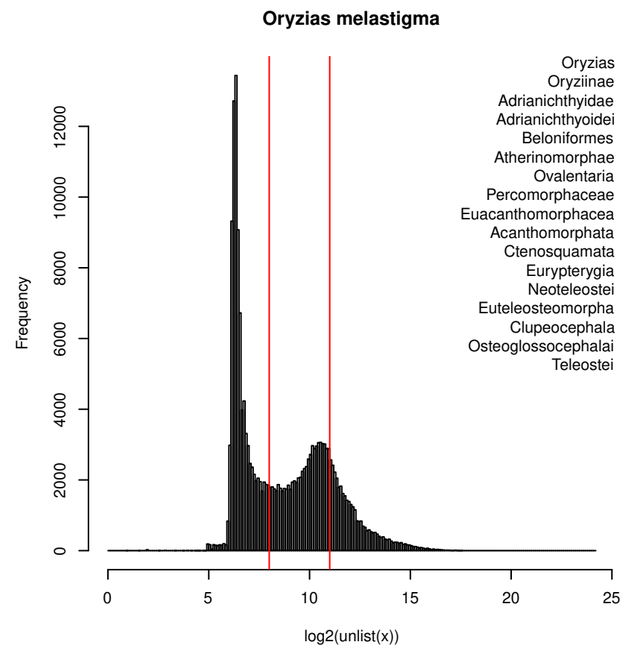

Nothobranchius furzeri
Nothobranchius
Nothobranchiidae
Aplocheiloidei
Cyprinodontiformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

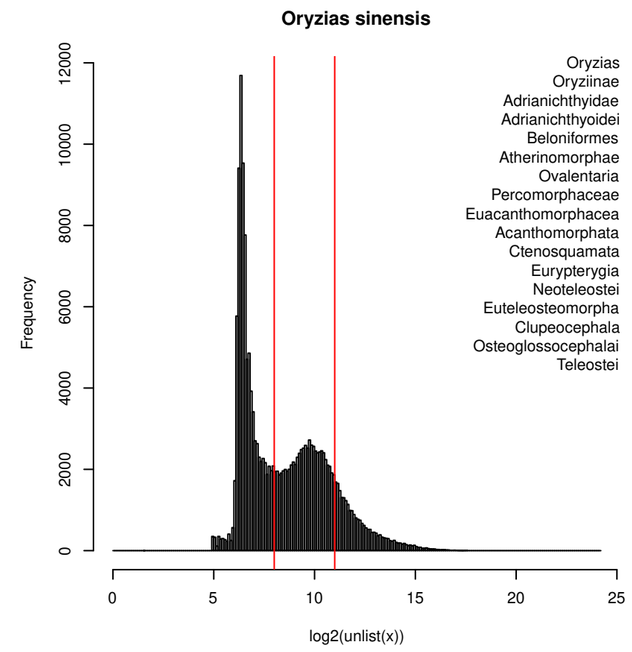

Oryzias javanicus
Oryzias
Oryziinae
Adrianichthyidae
Adrianichthyoidei
Beloniformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

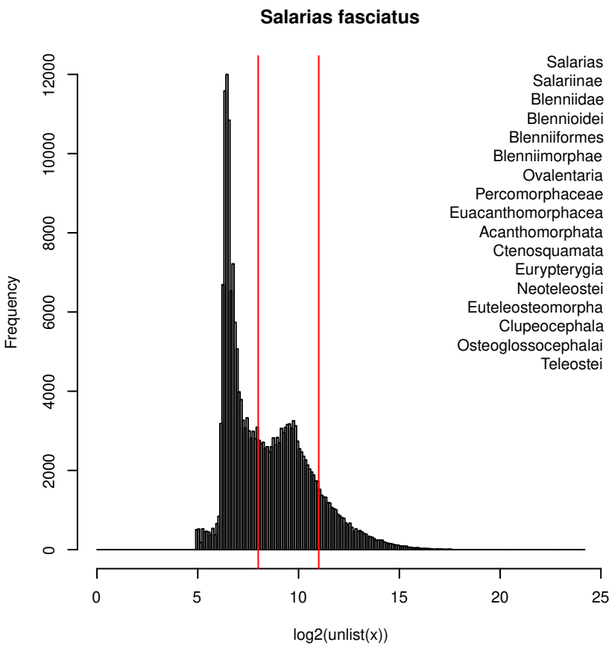

Oryzias latipes
Oryzias
Oryziinae
Adrianichthyidae
Adrianichthyoidei
Beloniformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

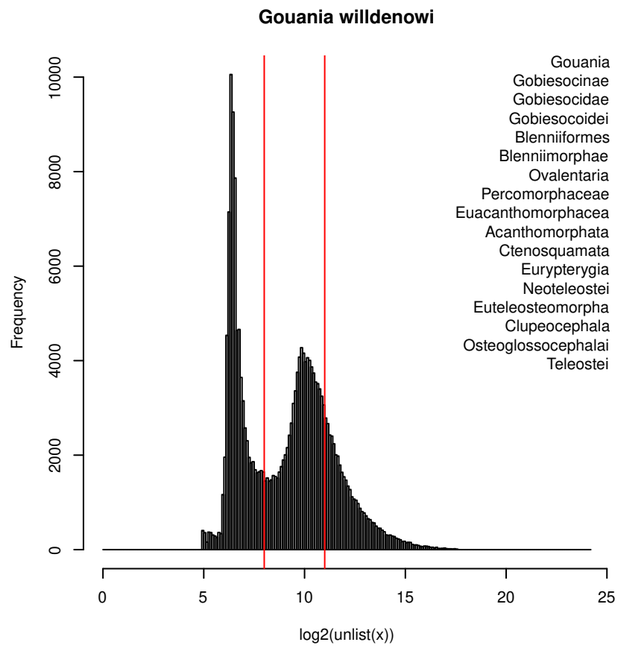

Oryzias latipes_hni
Oryzias
Oryziinae
Adrianichthyidae
Adrianichthyoidei
Beloniformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

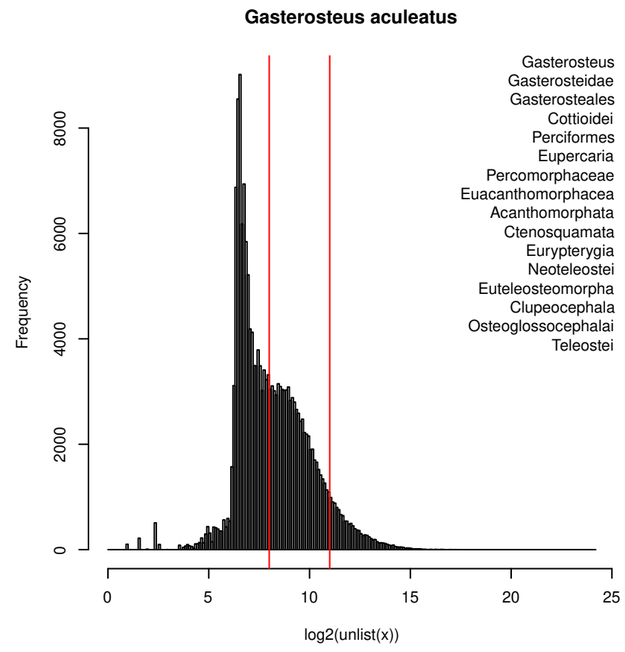

Oryzias latipes_hsok
Oryzias
Oryziinae
Adrianichthyidae
Adrianichthyoidei
Beloniformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

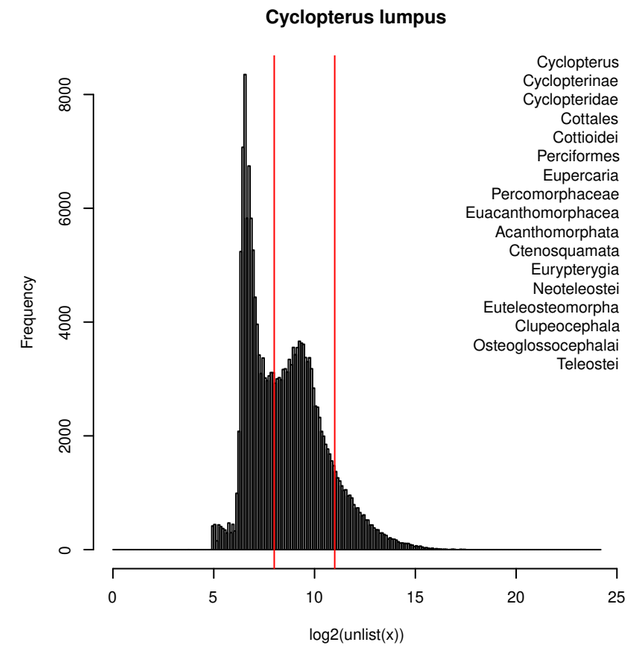

Oryzias melastigma
Oryzias
Oryziinae
Adrianichthyidae
Adrianichthyoidei
Beloniformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

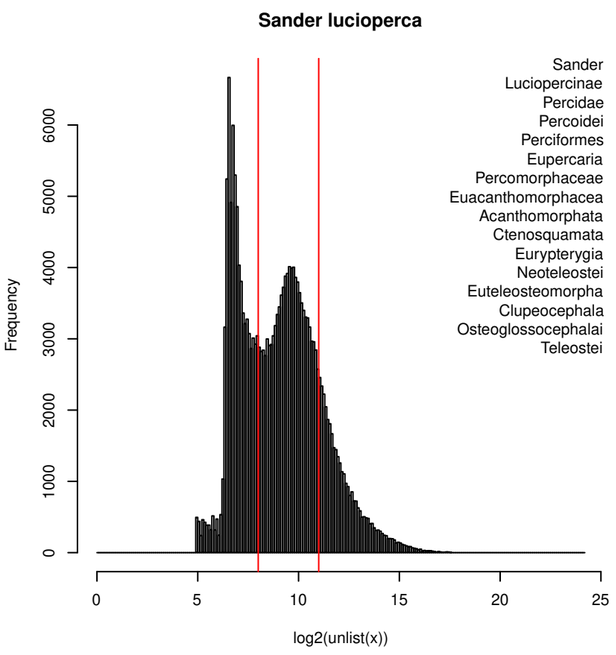

Oryzias sinensis
Oryzias
Oryziinae
Adrianichthyidae
Adrianichthyoidei
Beloniformes
Atherinomorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

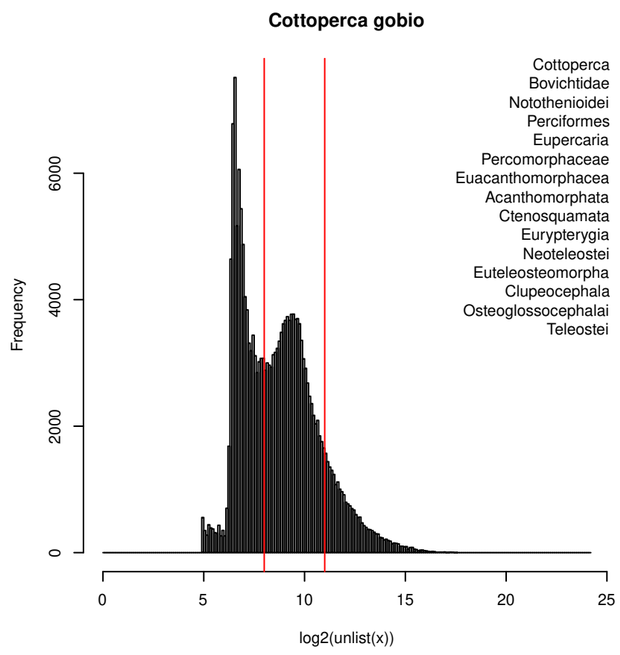

Salarias fasciatus
Salarias
Salariinae
Blenniidae
Blennioidei
Blenniiformes
Blenniimorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

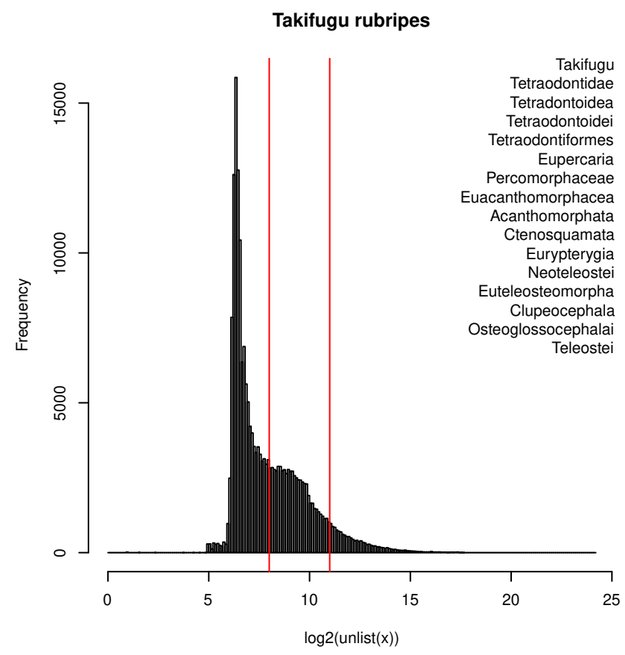

Gouania willdenowi
Gouania
Gobiesocinae
Gobiesocidae
Gobiesocoidei
Blenniiformes
Blenniimorphae
Ovalentaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

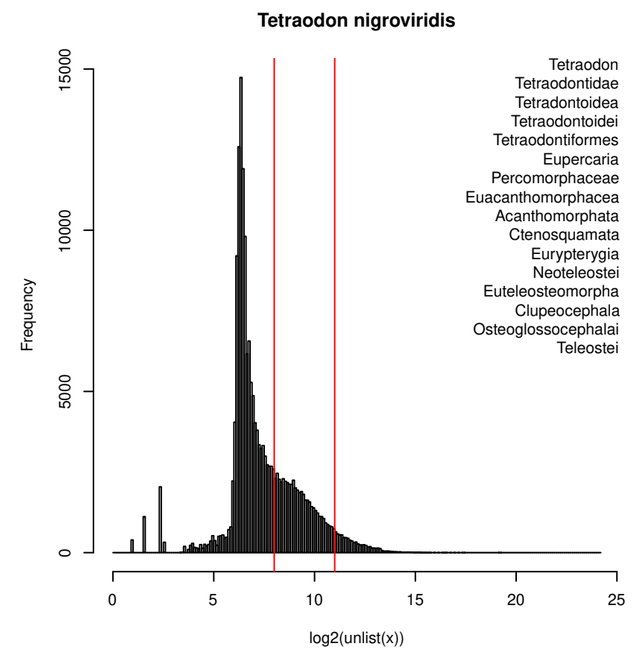

Gasterosteus aculeatus
Gasterosteus
Gasterosteidae
Gasterosteales
Cottioidei
Perciformes
Eupercaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

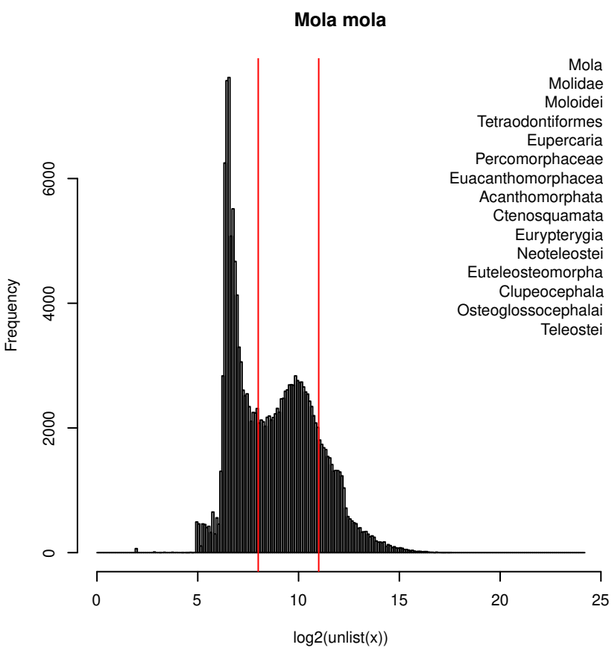

Cyclopterus lumpus
Cyclopterus
Cyclopterinae
Cyclopteridae
Cottales
Cottioidei
Perciformes
Eupercaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

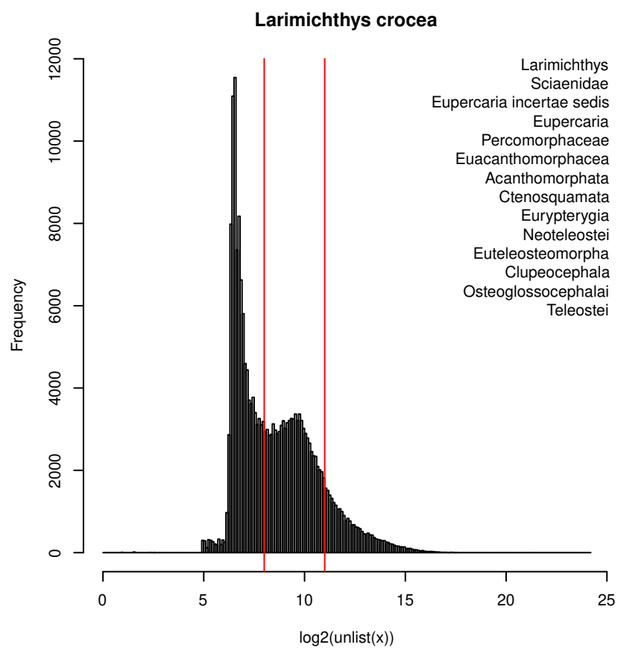

Sander lucioperca
Sander
Lucioperciinae
Percidae
Percoidei
Perciformes
Eupercaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

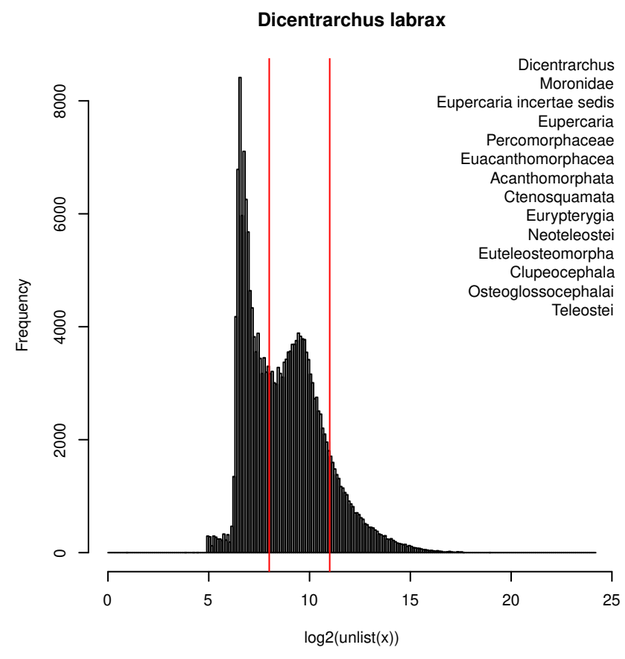

Cottoperca gobio
Cottoperca
Bovichtidae
Notothenioidei
Perciformes
Eupercaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

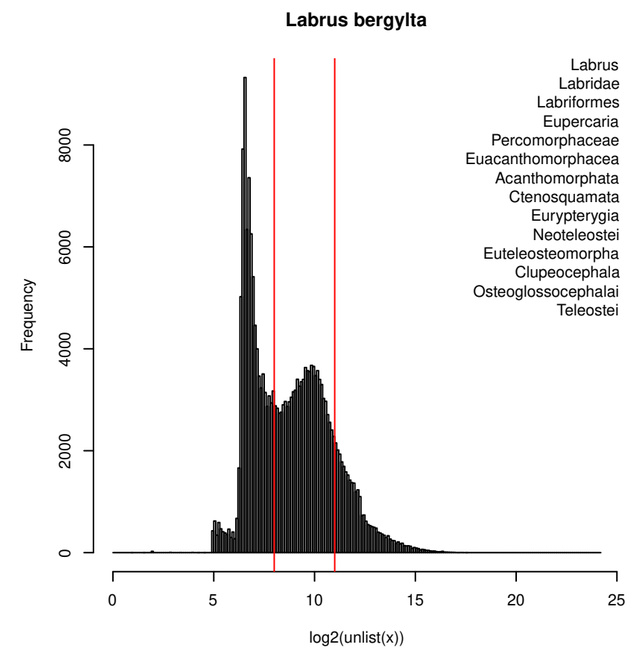

Takifugu rubripes
Takifugu
Tetraodontidae
Tetradontoidea
Tetraodontoidei
Tetraodontiformes
Eupercaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

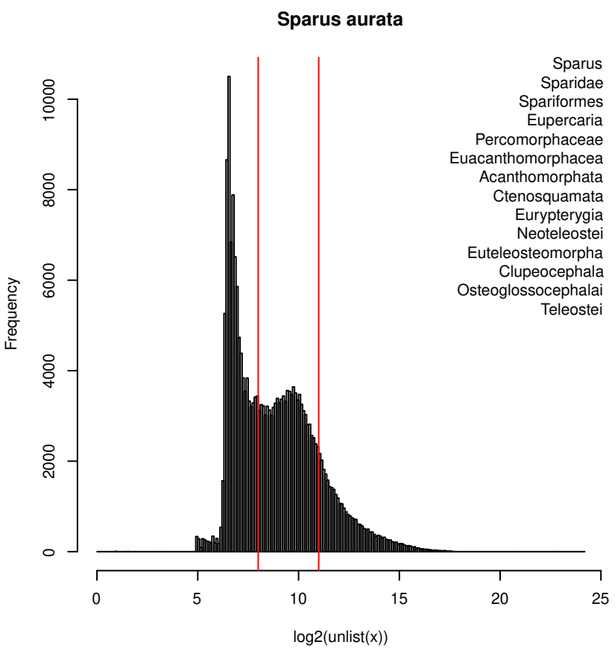

Tetraodon nigroviridis
Tetraodon
Tetraodontidae
Tetradontoidea
Tetraodontoidei
Tetraodontiformes
Eupercaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

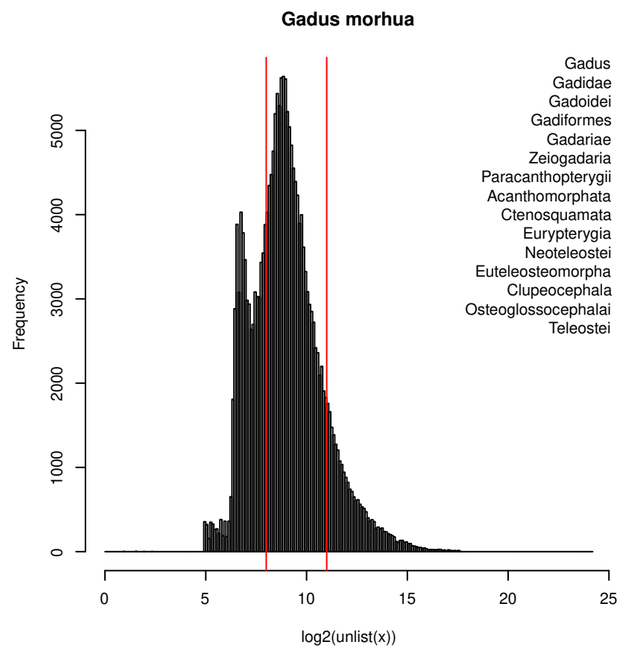

Mola mola
Mola
Molidae
Moloidei
Tetraodontiformes
Eupercaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

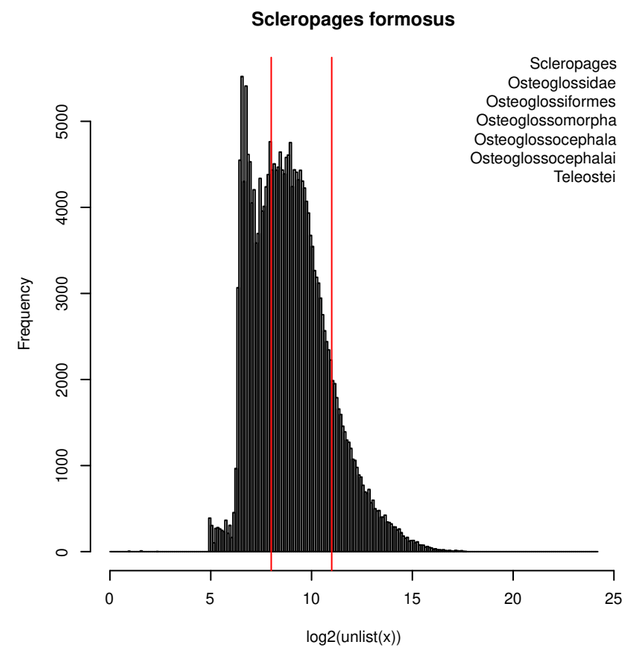

Larimichthys crocea
Larimichthys
Sciaenidae
Eupercaria incertae sedis
Eupercaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))

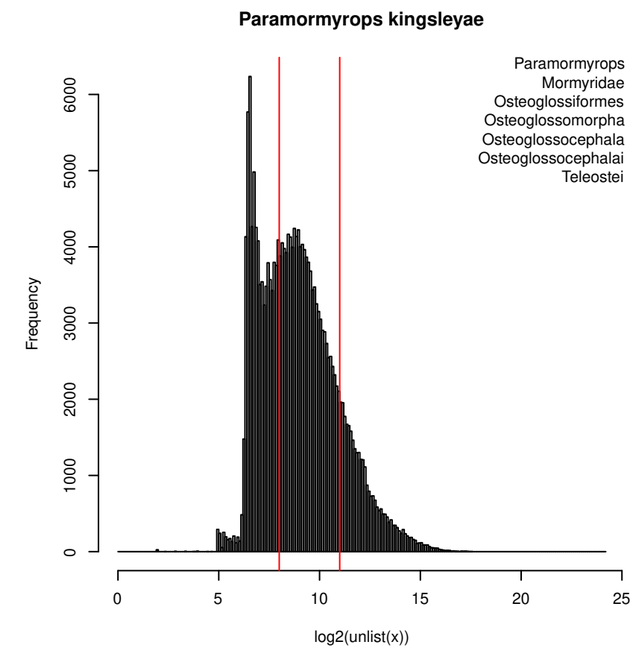

Dicentrarchus labrax
Dicentrarchus
Moronidae
Eupercaria incertae sedis
Eupercaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))


Labrus bergylta
Labrus
Labridae
Labriformes
Eupercaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))


Sparus aurata
Sparus
Sparidae
Spariformes
Eupercaria
Percomorphaceae
Euacanthomorphacea
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))


Gadus morhua
Gadus
Gadidae
Gadoidei
Gadiformes
Gadariae
Zeiogadaria
Paracanthopterygii
Acanthomorphata
Ctenosquamata
Eurypterygia
Neoteleostei
Euteleosteomorpha
Clupeocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))


Scleropages formosus
Scleropages
Osteoglossidae
Osteoglossiformes
Osteoglossomorpha
Osteoglossocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))


Paramormyrops kingsleyae
Paramormyrops
Mormyridae
Osteoglossiformes
Osteoglossomorpha
Osteoglossocephala
Osteoglossocephalai
Teleostei
Frequency
log2(unlist(x))