**Supplementary material: List of genera used in the analyses. The shaded blocks indicate the countries in which the genera were caught (K=Kenya, T=Tanzania, Mo= Mozambique, Ma=Madagascar; Type: E = Elasmobranch, T = Teleost, Cr = Crustacean, M = Mollusc, OI = Other invertebrate)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Species** | **Type** | **K** | **T** | **Mo** | **Ma** | **Species** | **Type** | **K** | **T** | **Mo** | **Ma** |
| *Acanthobatis* | E |  |  |  |  | *Munida* | Cr |  |  |  |  |
| *Acropoma* | T |  |  |  |  | *Mursia* | Cr |  |  |  |  |
| *Aetobatus* | E |  |  |  |  | *Mustelus* | E |  |  |  |  |
| *Agononida* | Cr |  |  |  |  | *Nansenia* | T |  |  |  |  |
| *Amblyrhynchotes* | T |  |  |  |  | *Nematopalaemon* | Cr |  |  |  |  |
| *Antigonia* | T |  |  |  |  | *Neobythites* | T |  |  |  |  |
| *Antipatharia* | OI |  |  |  |  | *Neoepinnula* | T |  |  |  |  |
| *Apristurus* | E |  |  |  |  | *Neoscombrops* | T |  |  |  |  |
| *Argentina* | T |  |  |  |  | *Neoscopelus* | T |  |  |  |  |
| *Ariomma* | T |  |  |  |  | *Nephropsis* | Cr |  |  |  |  |
| *Aristaeomorpha* | Cr |  |  |  |  | *Nettastoma* | T |  |  |  |  |
| *Aristaeopsis* | Cr |  |  |  |  | *Nototodarus* | M |  |  |  |  |
| *Aristeus* | Cr |  |  |  |  | *Ommatocarcinus* | Cr |  |  |  |  |
| *Ateleopus* | T |  |  |  |  | *Ophidiidae* | T |  |  |  |  |
| *Atrobucca* | T |  |  |  |  | *Opisthoteuthis* | M |  |  |  |  |
| *Aulostomus* | T |  |  |  |  | *Ornithoteuthis* | M |  |  |  |  |
| *Bathycongrus* | T |  |  |  |  | *Ostracion* | T |  |  |  |  |
| *Bathynomus* | Cr |  |  |  |  | *Ostracoberyx* | T |  |  |  |  |
| *Bathyraja* | E |  |  |  |  | *Ovalipes* | Cr |  |  |  |  |
| *Bathysquilla* | Cr |  |  |  |  | *Owstonia* | T |  |  |  |  |
| *Bembrops* | T |  |  |  |  | *Palinurus* | Cr |  |  |  |  |
| *Benthodesmus* | T |  |  |  |  | *Pandalus* | Cr |  |  |  |  |
| *Beryx* | T |  |  |  |  | *Parabathynomus* | Cr |  |  |  |  |
| *Bohadschia* | OI |  |  |  |  | *Parabembras* | T |  |  |  |  |
| *Bothus* | T |  |  |  |  | *Parapenaeus* | Cr |  |  |  |  |
| *Branchiostegus* | T |  |  |  |  | *Parapercis* | T |  |  |  |  |
| *Brotula* | T |  |  |  |  | *Paraplagusia ?* | T |  |  |  |  |
| *Bythaelurus* | E |  |  |  |  | *Parascolopsis* | T |  |  |  |  |
| *Calliaster* | OI |  |  |  |  | *Parascorpaena* | T |  |  |  |  |
| *Callionymus* | T |  |  |  |  | *Paratriacanthodes* | T |  |  |  |  |
| *Carcharhinus* | E |  |  |  |  | *Parazen* | T |  |  |  |  |
| *Carcinoplax* | Cr |  |  |  |  | *Parthenope* | Cr |  |  |  |  |
| *Caryophyllia* | OI |  |  |  |  | *Penaeopsis* | Cr |  |  |  |  |
| *Centrophorus* | E |  |  |  |  | *Penaeus* | Cr |  |  |  |  |
| *Cephaloscyllium* | E |  |  |  |  | *Pennatulacea* | OI |  |  |  |  |
| *Chaceon* | Cr |  |  |  |  | *Pentaceros* | T |  |  |  |  |
| *Champsodon* | T |  |  |  |  | *Peristedion* | T |  |  |  |  |
| *Charybdis* | Cr |  |  |  |  | *Philine* | M |  |  |  |  |
| *Chascanopsetta* | T |  |  |  |  | *Phormosoma* | OI |  |  |  |  |
| *Chaunax* | T |  |  |  |  | *Phosichthys* | T |  |  |  |  |
| *Chelidonichthys* | T |  |  |  |  | *Physiculus* | T |  |  |  |  |
| *Chlorophthalmus* | T |  |  |  |  | *Platepistoma* | Cr |  |  |  |  |
| *Cirrhigaleus* | E |  |  |  |  | *Platymaia* | Cr |  |  |  |  |
| *Citharoides* | T |  |  |  |  | *Pleistacantha* | Cr |  |  |  |  |
| *Clypeaster* | OI |  |  |  |  | *Plesiobatis* | E |  |  |  |  |
| *Cnidaria1* | OI |  |  |  |  | *Plesionika* | Cr |  |  |  |  |
| *Coelorinchus* | T |  |  |  |  | *Pleuroscopus* | T |  |  |  |  |
| *Coloconger* | T |  |  |  |  | *Pliotrema* | E |  |  |  |  |
| *Coluzea* | M |  |  |  |  | *Poecilopsetta* | T |  |  |  |  |
| *Conus* | M |  |  |  |  | *Polycheles* | Cr |  |  |  |  |
| *Cruriraja* | E |  |  |  |  | *Polyipnus* | T |  |  |  |  |
| *Cryptopenaeus* | Cr |  |  |  |  | *Polymetme* | T |  |  |  |  |
| *Cubiceps* | T |  |  |  |  | *Polymixia* | T |  |  |  |  |
| *Cynoglossus* | T |  |  |  |  | *Polysteganus* | T |  |  |  |  |
| *Cyttopsis* | T |  |  |  |  | *Priacanthus* | T |  |  |  |  |
| *Dalatias* | E |  |  |  |  | *Pristigenys* | T |  |  |  |  |
| *Deania* | E |  |  |  |  | *Pristipomoides* | T |  |  |  |  |
| *Decapterus* | T |  |  |  |  | *Propeamussium* | M |  |  |  |  |
| *Diaphus* | T |  |  |  |  | *Psenes* | T |  |  |  |  |
| *Dipturus* | E |  |  |  |  | *Pseudarchaster* | OI |  |  |  |  |
| *Emmelichthys* | T |  |  |  |  | *Pseudocaranx* | T |  |  |  |  |
| *Epetriodus* | T |  |  |  |  | *Pseudoginglymostoma* | E |  |  |  |  |
| *Epinephelus* | T |  |  |  |  | *Pseudorhombus* | T |  |  |  |  |
| *Eridacnis* | E |  |  |  |  | *Pteroeides* | OI |  |  |  |  |
| *Etelis* | T |  |  |  |  | *Pterygotrigla* | T |  |  |  |  |
| *Etmopterus* | E |  |  |  |  | *Puerulus* | Cr |  |  |  |  |
| *Euciroa* | M |  |  |  |  | *Raja* | E |  |  |  |  |
| *Eudolium* | M |  |  |  |  | *Ranella* | M |  |  |  |  |
| *Ficus* | M |  |  |  |  | *Rexea* | T |  |  |  |  |
| *Fistularia* | T |  |  |  |  | *Rhinobatos* | E |  |  |  |  |
| *Fusivoluta* | M |  |  |  |  | *Rhizoprionodon* | E |  |  |  |  |
| *Gemmula* | M |  |  |  |  | *Rochinia* | Cr |  |  |  |  |
| *Gempylus* | T |  |  |  |  | *Rossia* | M |  |  |  |  |
| *Gephyroberyx* | T |  |  |  |  | *Rossiinae* | M |  |  |  |  |
| *Glyphocrangon* | Cr |  |  |  |  | *Ruvettus* | T |  |  |  |  |
| *Glyptophidium* | T |  |  |  |  | *Satyrichthys* | T |  |  |  |  |
| *Gonorynchus* | T |  |  |  |  | *Saurida* | T |  |  |  |  |
| *Gymnothorax* | T |  |  |  |  | *Scammarctus* | Cr |  |  |  |  |
| *Halaelurus* | E |  |  |  |  | *Scombridae* | T |  |  |  |  |
| *Halieutaea* | T |  |  |  |  | *Scombrops* | T |  |  |  |  |
| *Haliporoides* | Cr |  |  |  |  | *Scorpaena* | T |  |  |  |  |
| *Heptranchias* | E |  |  |  |  | *Scyllarides* | Cr |  |  |  |  |
| *Heterocarpus* | Cr |  |  |  |  | *Scyllarus* | Cr |  |  |  |  |
| *Heteronarce* | E |  |  |  |  | *Sebastes* | T |  |  |  |  |
| *Heteropriacanthus* | T |  |  |  |  | *Selachophidium* | T |  |  |  |  |
| *Histiopterus* | T |  |  |  |  | *Selar* | T |  |  |  |  |
| *Histioteuthis* | M |  |  |  |  | *Semicassis* | M |  |  |  |  |
| *Holohalaelurus* | E |  |  |  |  | *Sepia* | M |  |  |  |  |
| *Holothuria* | OI |  |  |  |  | *Setarches* | T |  |  |  |  |
| *Homola* | Cr |  |  |  |  | *Solea ?* | T |  |  |  |  |
| *Hoplichthys* | T |  |  |  |  | *Solenocera* | Cr |  |  |  |  |
| *Hoplobrotula* | T |  |  |  |  | *Solocisquama* | T |  |  |  |  |
| *Hoplostethus* | T |  |  |  |  | *Sphoeroides* | T |  |  |  |  |
| *Hymenocephalus* | T |  |  |  |  | *Squalus* | E |  |  |  |  |
| *Ibacus* | Cr |  |  |  |  | *Squatina* | E |  |  |  |  |
| *Inquisitor* | M |  |  |  |  | *Stephanolepis* | T |  |  |  |  |
| *Kentrocapros* | T |  |  |  |  | *Stolephorus* | T |  |  |  |  |
| *Laeops* | T |  |  |  |  | *Synapturichthys* | T |  |  |  |  |
| *Lagocephalus* | T |  |  |  |  | *Synchiropus* | T |  |  |  |  |
| *Lepidopus* | T |  |  |  |  | *Thunnus* | T |  |  |  |  |
| *Lepidotrigla* | T |  |  |  |  | *Thyrsitoides* | T |  |  |  |  |
| *Leptoconus* | M |  |  |  |  | *Todarodes* | M |  |  |  |  |
| *Leptomelanosoma ?* | T |  |  |  |  | *Torpedo* | E |  |  |  |  |
| *Lestrolepis* | T |  |  |  |  | *Tosarhombus* | T |  |  |  |  |
| *Leucoraja* | E |  |  |  |  | *Trachysalambria* | Cr |  |  |  |  |
| *Linuparus* | Cr |  |  |  |  | *Triacanthodes* | T |  |  |  |  |
| *Lithodes* | Cr |  |  |  |  | *Triacanthus* | T |  |  |  |  |
| *Loligo* | M |  |  |  |  | *Trichiurus* | T |  |  |  |  |
| *Lophiodes* | T |  |  |  |  | *Tydemania* | T |  |  |  |  |
| *Lophius* | T |  |  |  |  | *Tylerius* | T |  |  |  |  |
| *Luthulenchelys* | T |  |  |  |  | *Upeneus* | T |  |  |  |  |
| *Lyreidus* | Cr |  |  |  |  | *Uranoscopus* | T |  |  |  |  |
| *Macroramphosidae* | T |  |  |  |  | *Uroteuthis* | M |  |  |  |  |
| *Macroramphosus* | T |  |  |  |  | *Velodona* | M |  |  |  |  |
| *Macrorhamphosodes* | T |  |  |  |  | *Ventrifossa* | T |  |  |  |  |
| *Malacocephalus* | T |  |  |  |  | *Vinciguerria* | T |  |  |  |  |
| *Malthopsis* | T |  |  |  |  | *Xenolepidichthys* | T |  |  |  |  |
| *Megalops* | T |  |  |  |  | *Xenophora* | M |  |  |  |  |
| *Mene* | T |  |  |  |  | *Zenion* | T |  |  |  |  |
| *Merluccius* | T |  |  |  |  | *Zenopsis* | T |  |  |  |  |
| *Metanephrops* | Cr |  |  |  |  | *Zeus* | T |  |  |  |  |