

Table S1 - List of the species considered

*Alepocephalus rostratus** Risso 1820
Argentina sp
Arnoglossus laterna (Walbaum 1792)
Arnoglossus rueppelii (Cocco 1844)
Aspitrigla cuculus (Linnaeus 1758)
*Bathypterois dubius** Vaillant 1888
*Bellottia apoda** Giglioli 1883
*Benthocometes robustus** (Goode & Bean 1886)
Coelorinchus caelorhincus (Risso 1810)
Callionymus sp*
Capros aper (Linnaeus 1758)
*Cataetyx alleni** (Byrne 1906)
*Centracanthus cirrus** (Rafinesque 1810)
*Centrophorus granulosus** (Bloch & Schneider 1801)
*Chelidonichthys lucernus** (Linnaeus 1758)
Chimaera monstrosa Linnaeus 1758
Chlorophthalmus agassizi Bonaparte 1840
Conger conger (Linnaeus 1758)
Dalatias licha (Bonnaterre 1788)
Dipturus oxyrinchus (Linnaeus 1758)
Epigonus denticulatus Dieuzeide 1950
Epigonus telescopus (Risso 1810)
Etmopterus spinax (Linnaeus 1758)
Gadella maraldi (Risso 1810)
Gadiculus argenteus argenteus (Guichenot 1850)
Gaidropsarus sp
Galeus melastomus (Rafinesque 1810)
*Gnathophis mystax** (Delaroche 1809)
Helicolenus dactylopterus dactylopterus (Delaroche 1809)
*Heptranchias perlo** (Bonnaterre 1788)
*Hexanchus griseus** (Bonnaterre 1788)
Hoplostethus mediterraneus mediterraneus Cuvier 1829
Hymenocephalus italicus Giglioli 1884
Lepidorhombus boscii (Risso 1810)
Lepidorhombus whiffiagonis (Walbaum 1792)
Lepidopus caudatus (Euphrasen 1788)
*Lepidotrigla cavillone** (Lacepède 1801)
*Lepidotrigla dieuzeidei** (Blanc and Hureau 1973)
Lesueurigobius sp
*Leucoraja circularis** (Couch 1838)
*Leucoraja melitensis** (Clark 1926)
*Leucoraja naevus** (Müller & Henle 1841)
Lophius budegassa (Spinola 1807)
Lophius piscatorius (Linnaeus 1758)
Macroramphosus scolopax (Linnaeus 1758)
Merluccius merluccius (Linnaeus 1758)
Micromesistius poutassou (Risso 1827)
Molva dypterygia (Pennant 1784)
*Molva molva** (Linnaeus 1758)

Mora moro (Risso 1810)
*Mullus barbatus** Linnaeus 1758
Mullus surmuletus Linnaeus 1758
*Mustelus mustelus** (Linnaeus 1758)
Nettastoma melanurum Rafinesque 1810
Nezumia sp
*Oxynotus centrina** (Linnaeus 1758)
Pagellus acarne (Risso 1827)
Pagellus bogaraveo (Brünnich 1768)
Peristedion cataphractum (Linnaeus 1758)
Phycis blennoides (Brünnich 1768)
Raja clavata Linnaeus 1758
*Raja miraletus** Linnaeus 1758
*Raja montagui** Fowler 1910
*Raja polystigma** Regan 1923
Scorpaena elongata (Cadenat 1943)
Scyliorhinus canicula (Linnaeus 1758)
Squalus acanthias (Linnaeus 1758)
Squalus blainville (Risso 1827)
Symphurus sp
Synchiropus phaeton (Günther 1861)
*Torpedo marmorata** (Risso 1810)
*Torpedo nobiliana** (Bonaparte 1835)
Trachyrincus scabrus (Rafinesque 1810)
Trigla lyra (Linnaeus 1758)
Trisopterus minutus (Linnaeus 1758)
Zeus faber (Linnaeus 1758)

Notes: Rare species (occurrence <5 % of the tows for the whole studied zone) are marked by *. Species potentially confused in one area have been clustered at the genus level (e.g. *Symphurus* sp).