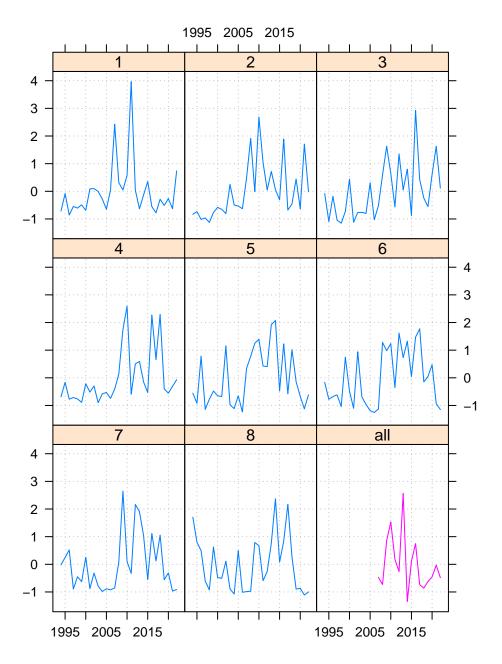
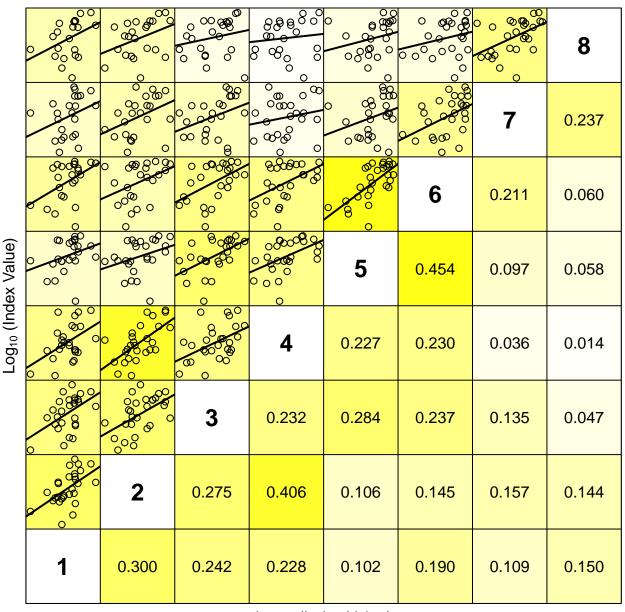


AC(VIIaN) — VIIaNSpawn —



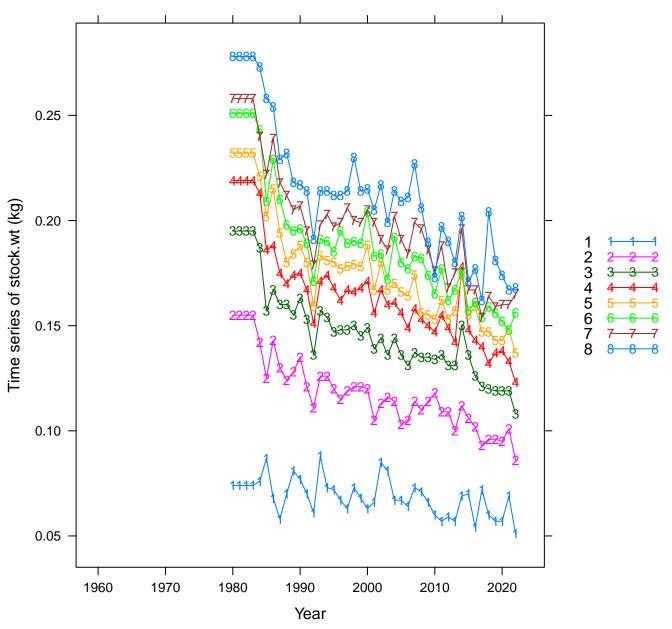
AC(VIIaN) — VIIaNSpawn —



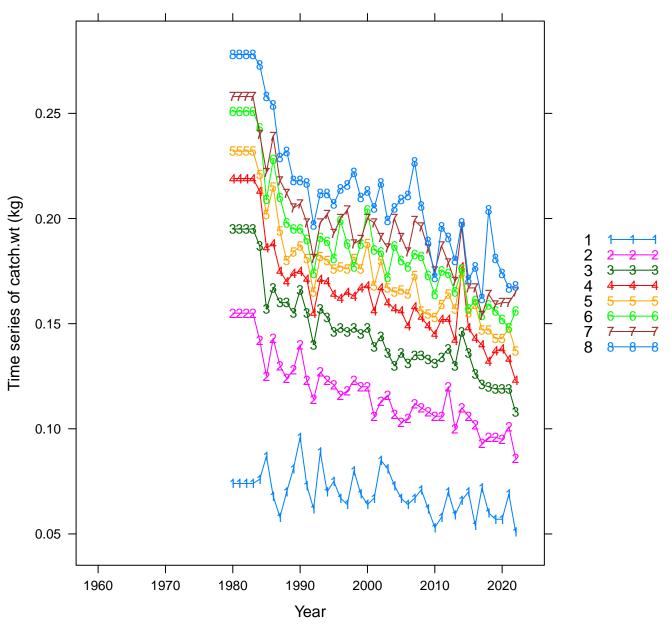
Log<sub>10</sub> (Index Value)

Lower right panels show the Coefficient of Determination  $(r^2)$ 

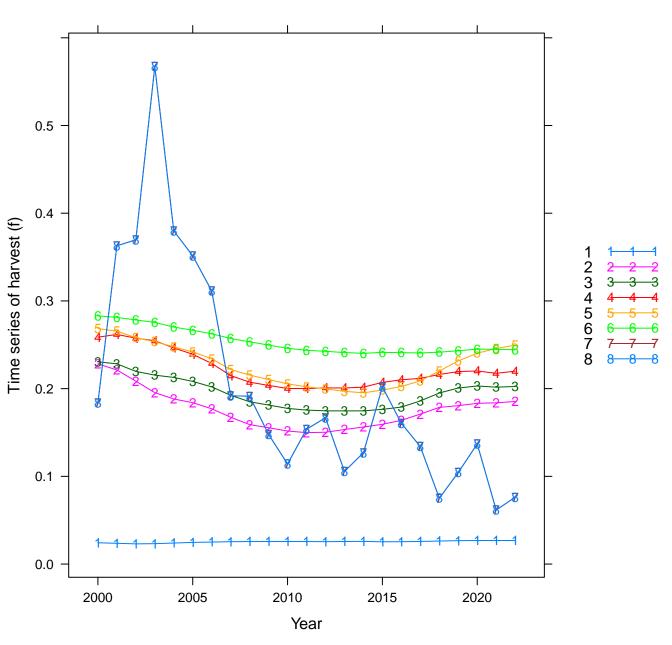
Irish Sea herring timeseries of stock.wt



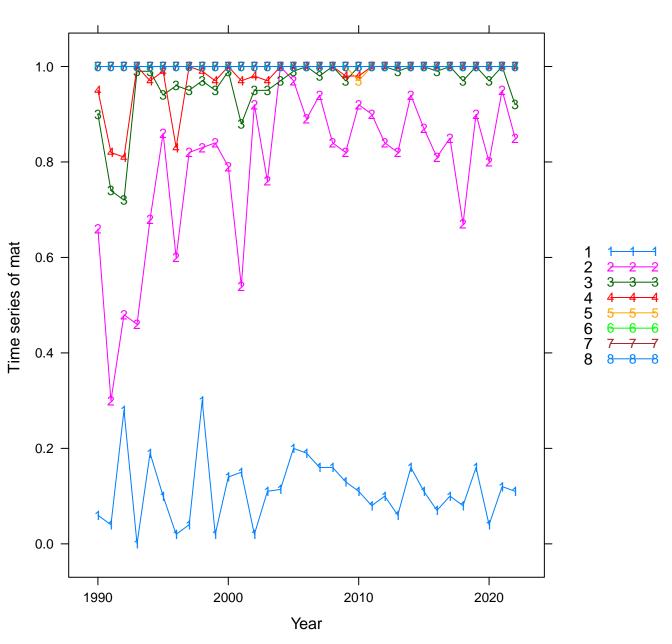
Irish Sea herring timeseries of catch.wt



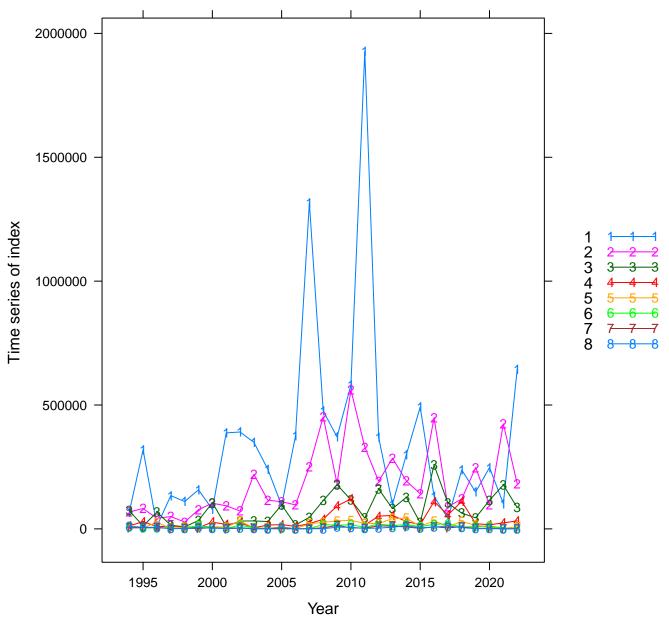
# Irish Sea herring timeseries of harvest

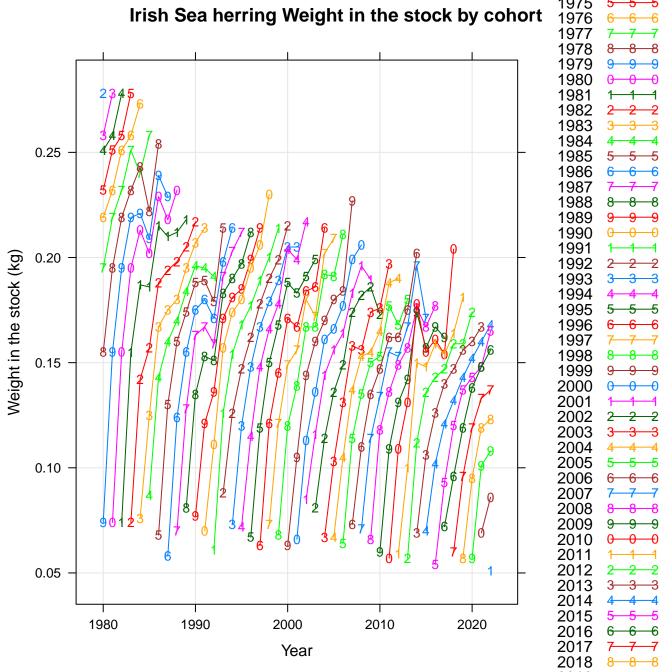


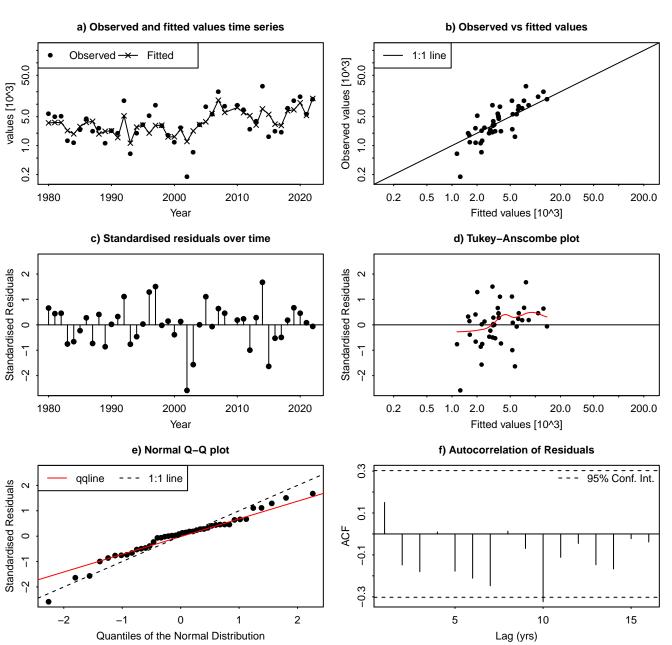
# Irish Sea herring timeseries of mat

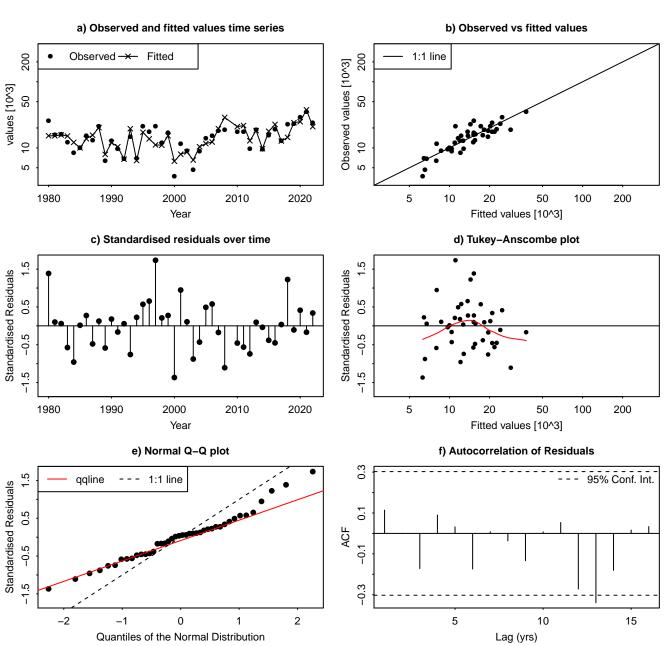


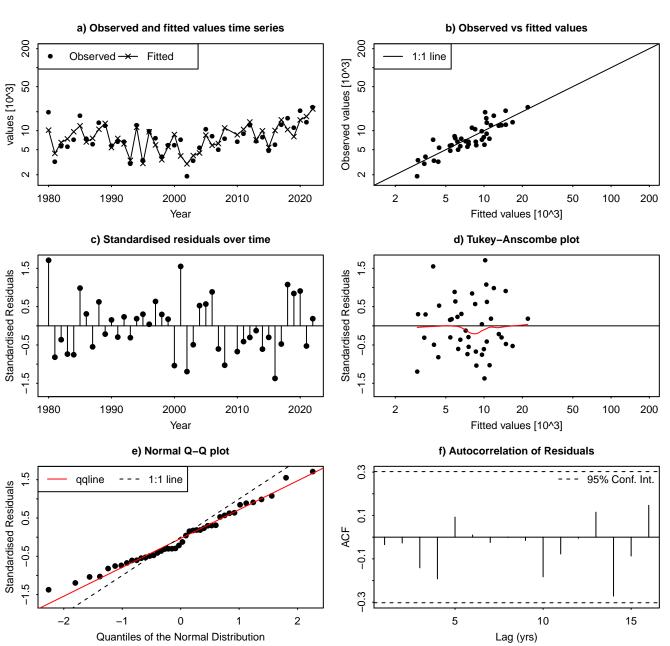
# AC(VIIaN) timeseries of index

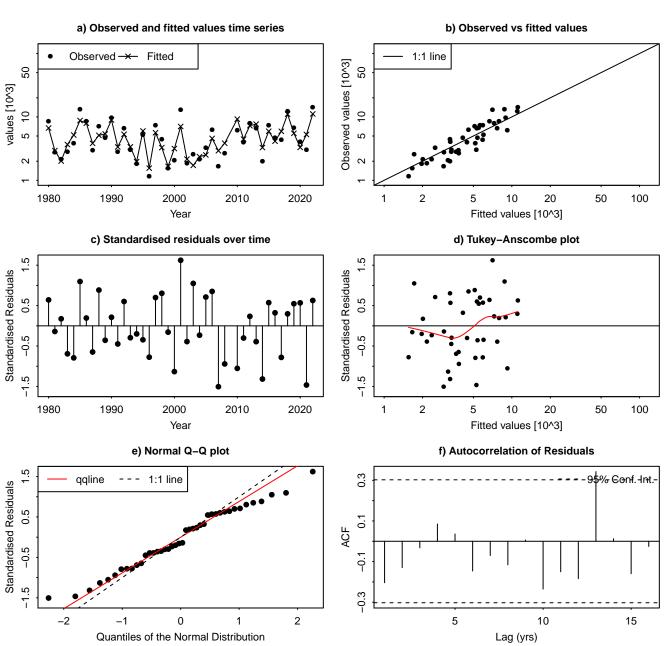


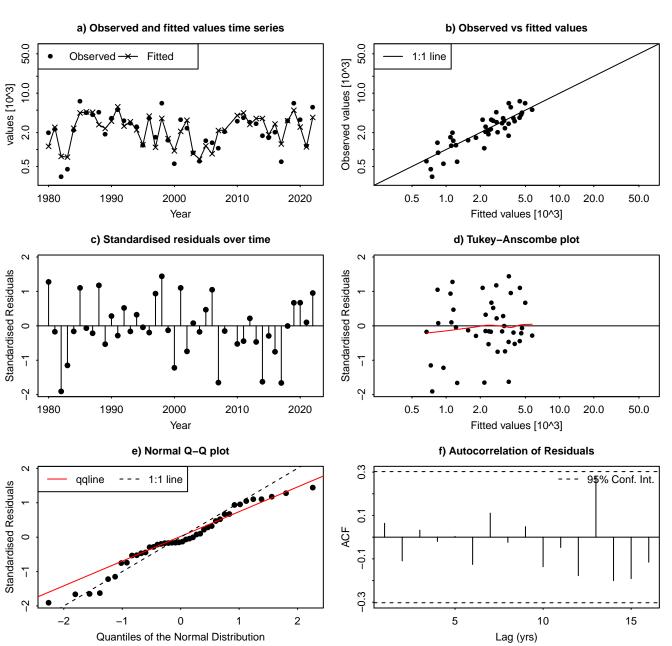


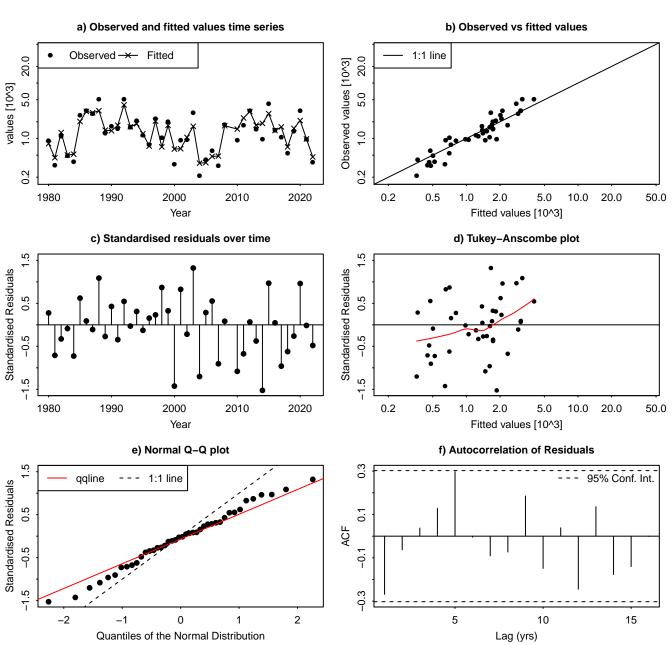


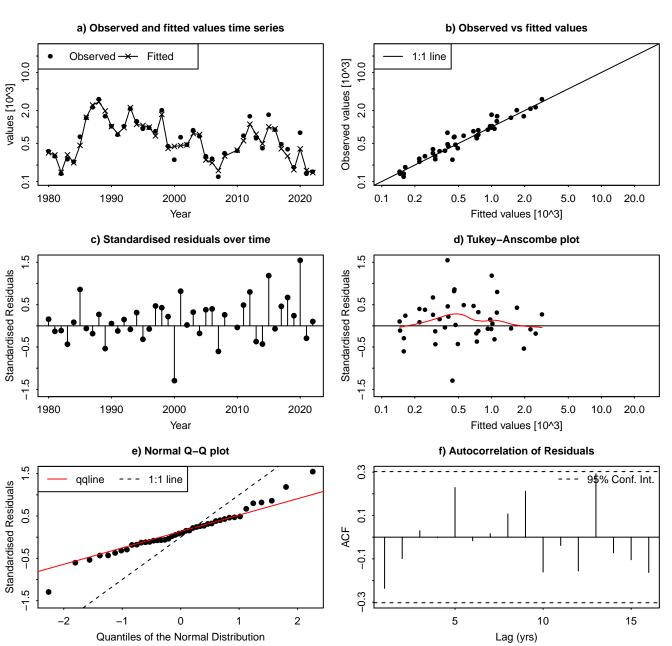


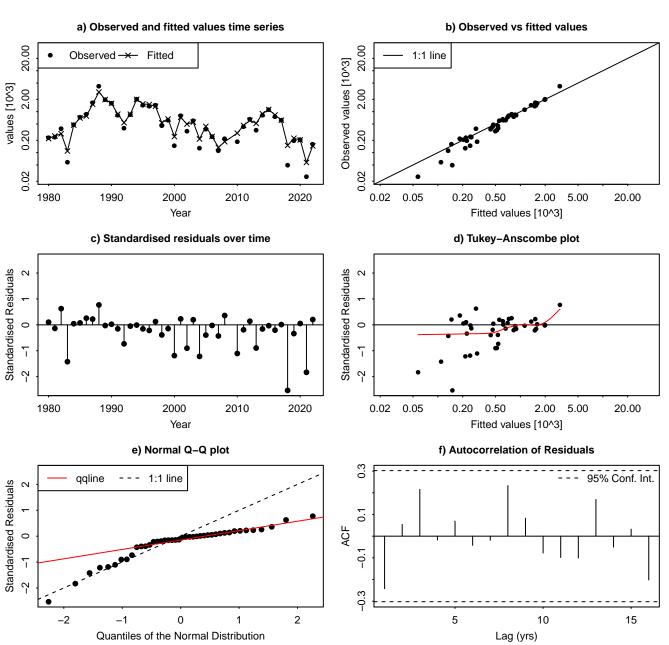


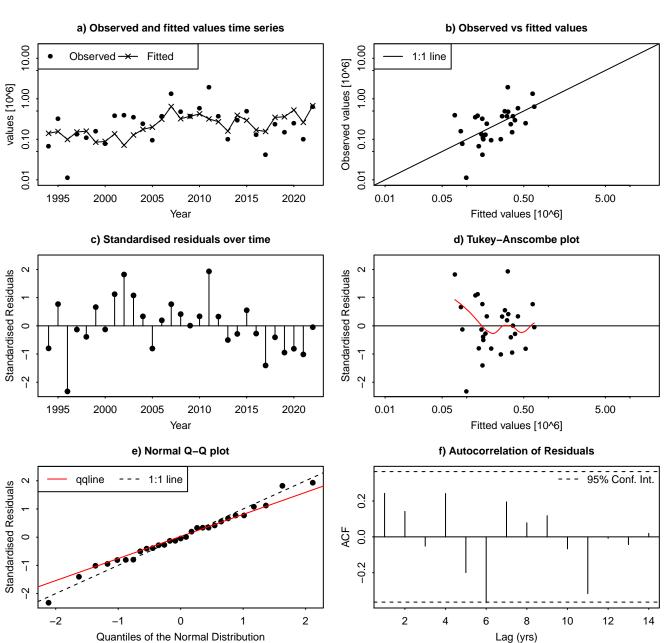


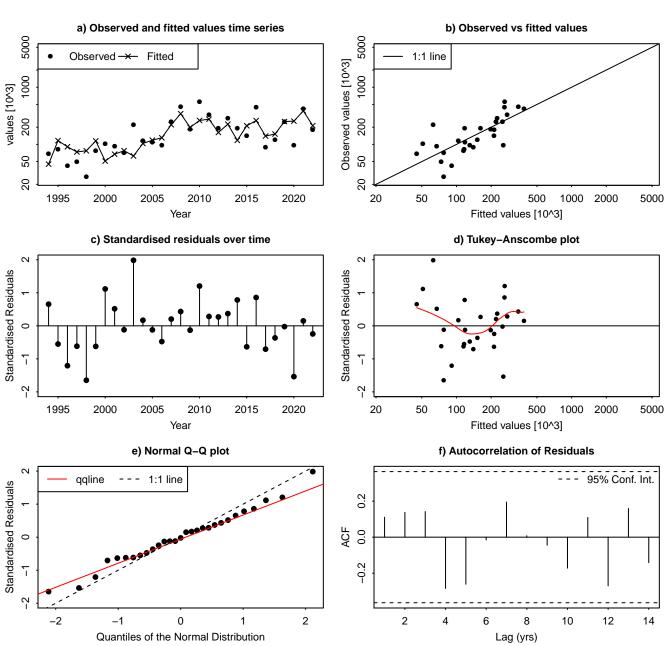


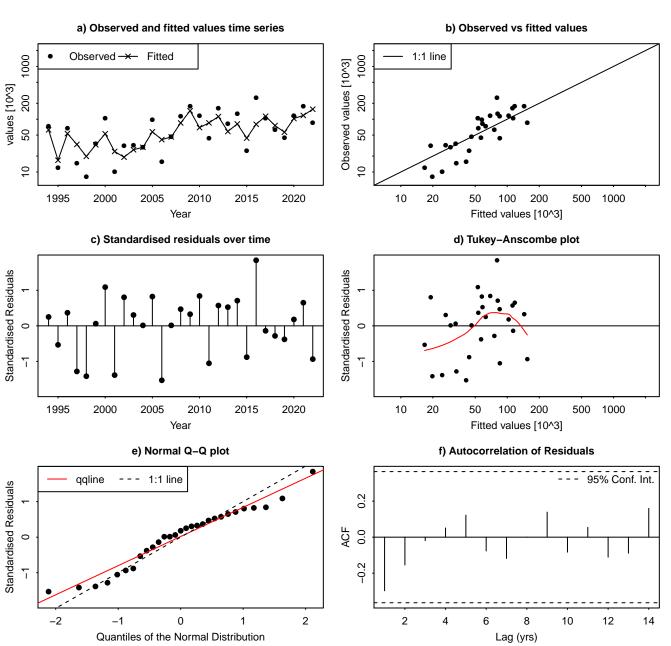


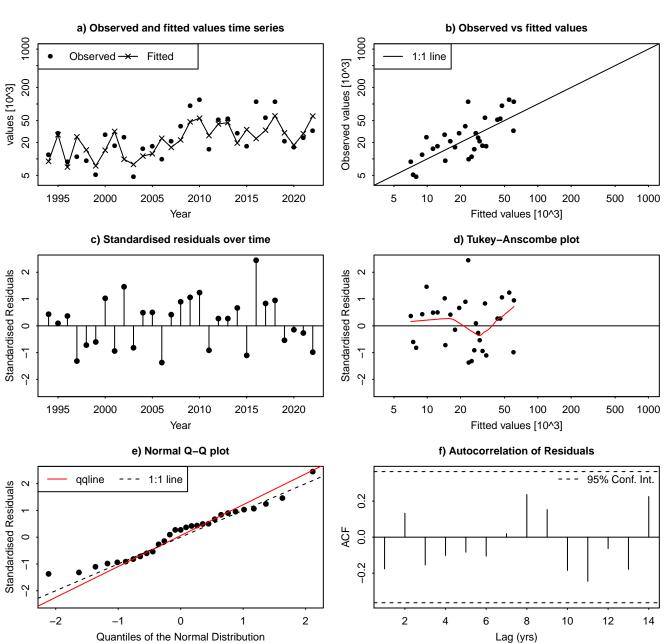


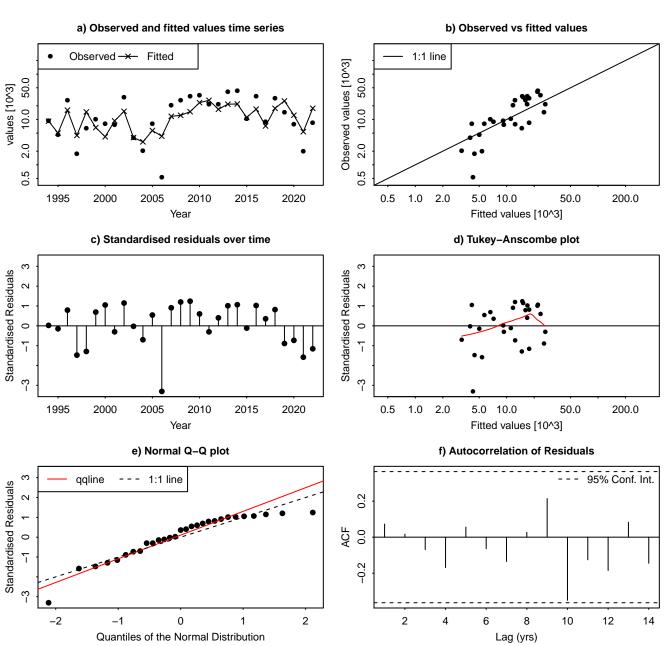


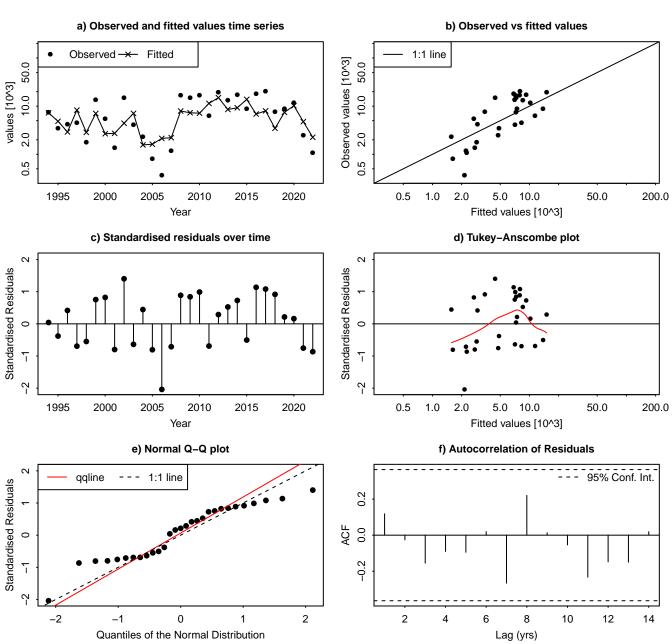


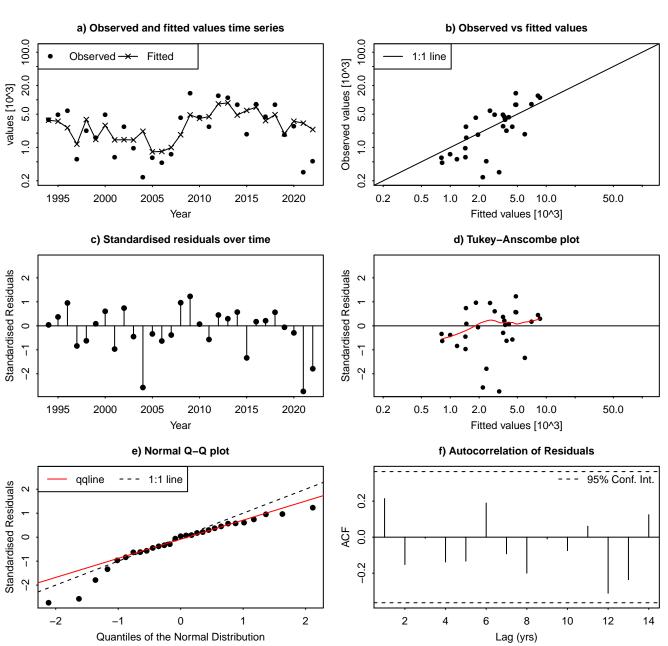


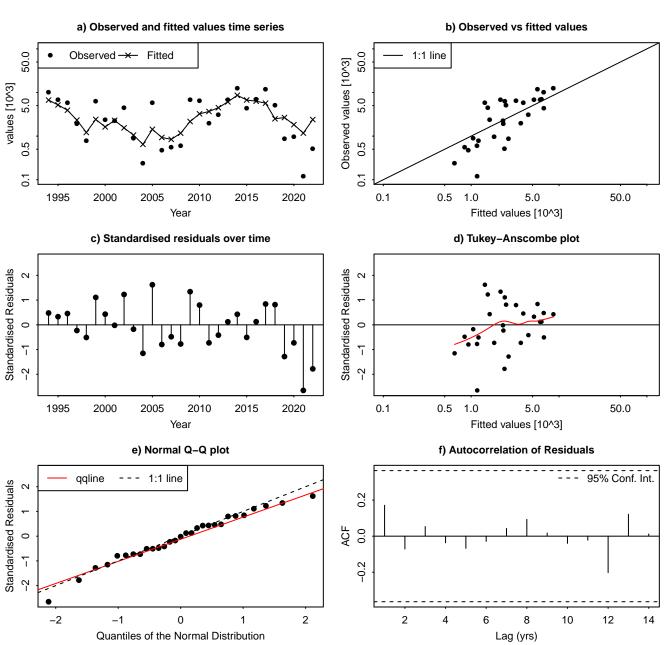


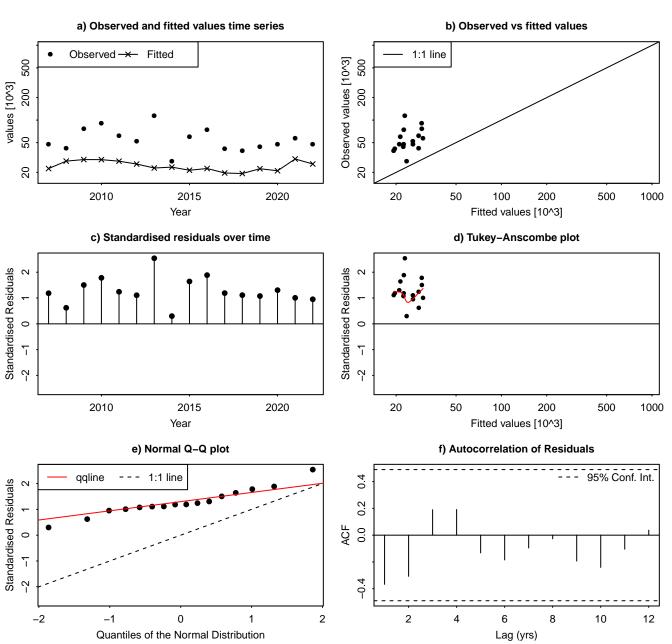




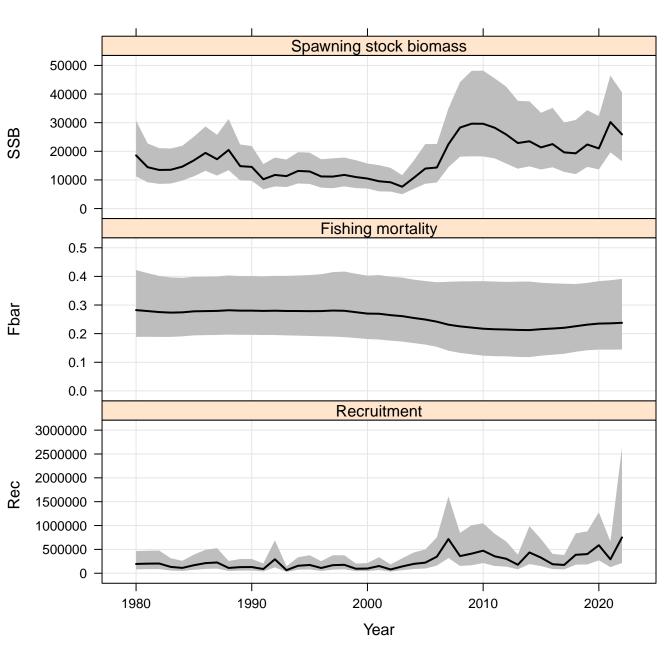




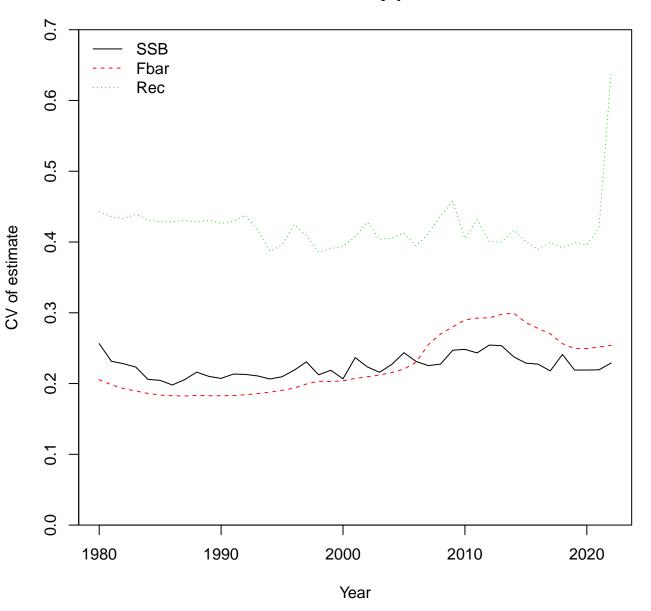




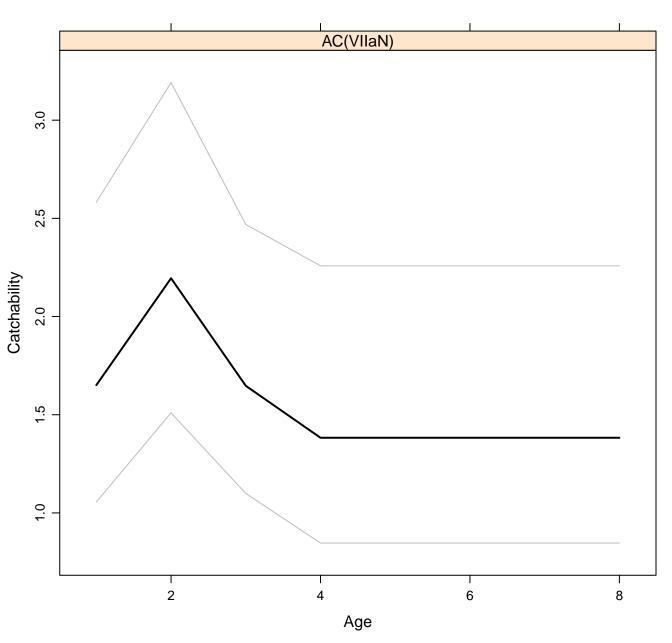
ISH\_assessment 2022



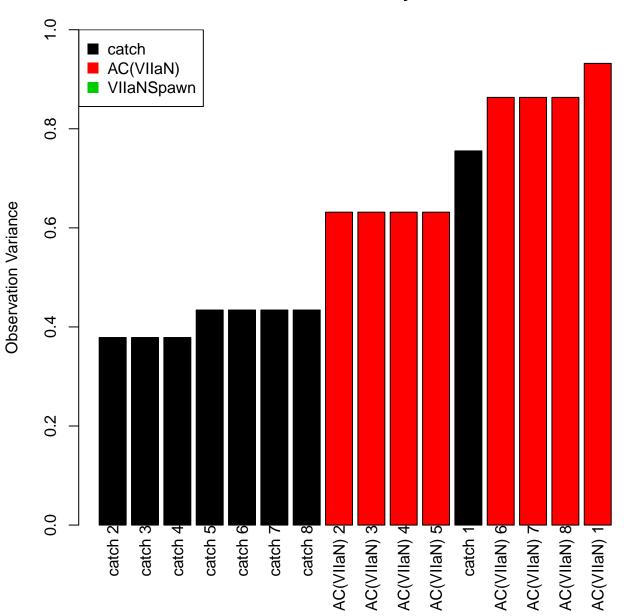
## **Uncertainties of key parameters**



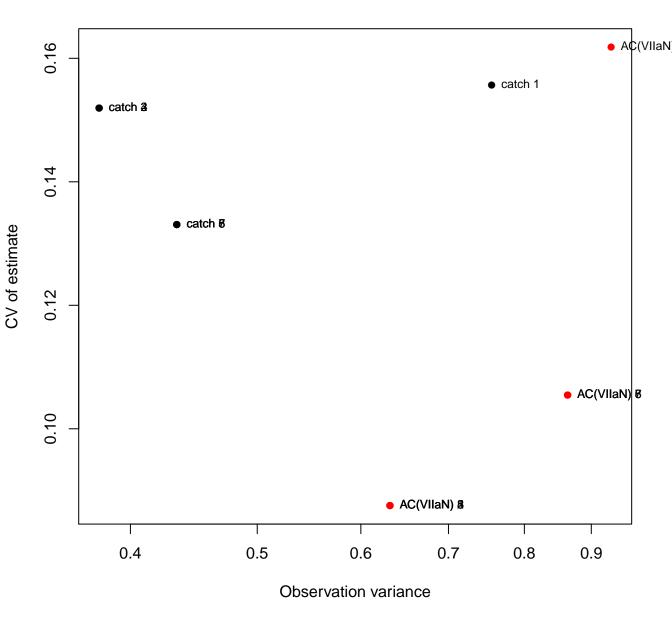
Survey catchability parameters



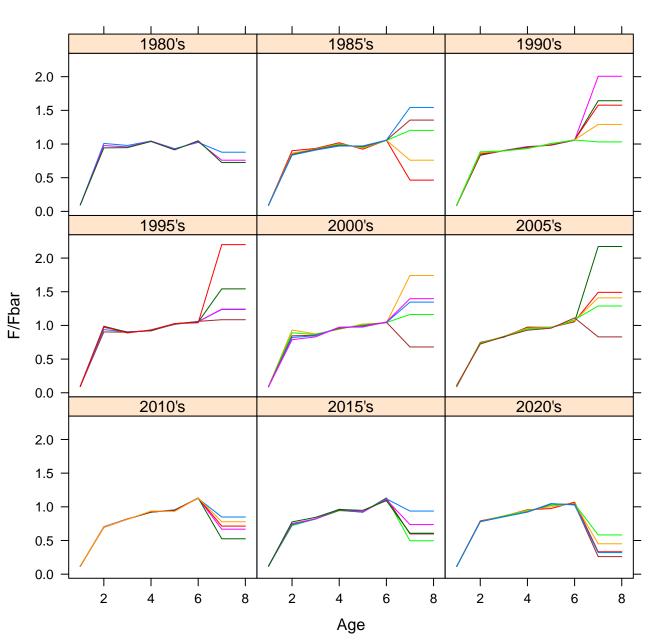
#### Observation variances by data source



## **Observation variance vs uncertainty**



## Selectivity of the Fishery by Pentad



#### ISH\_assessment 2022

