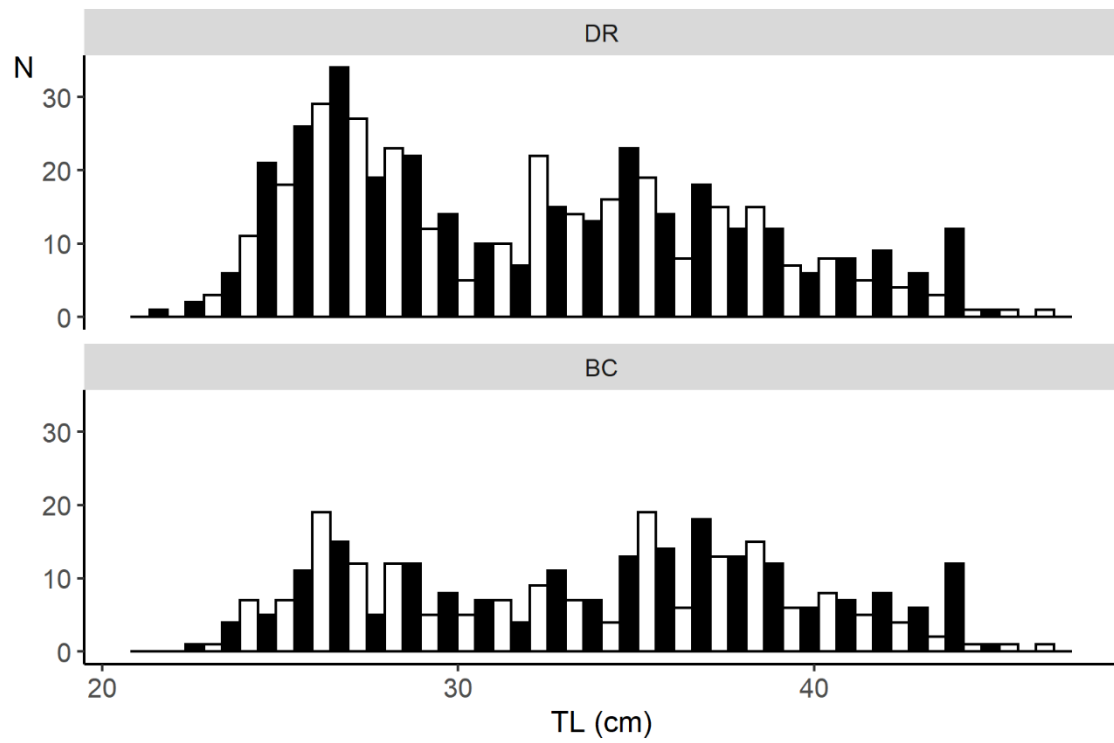
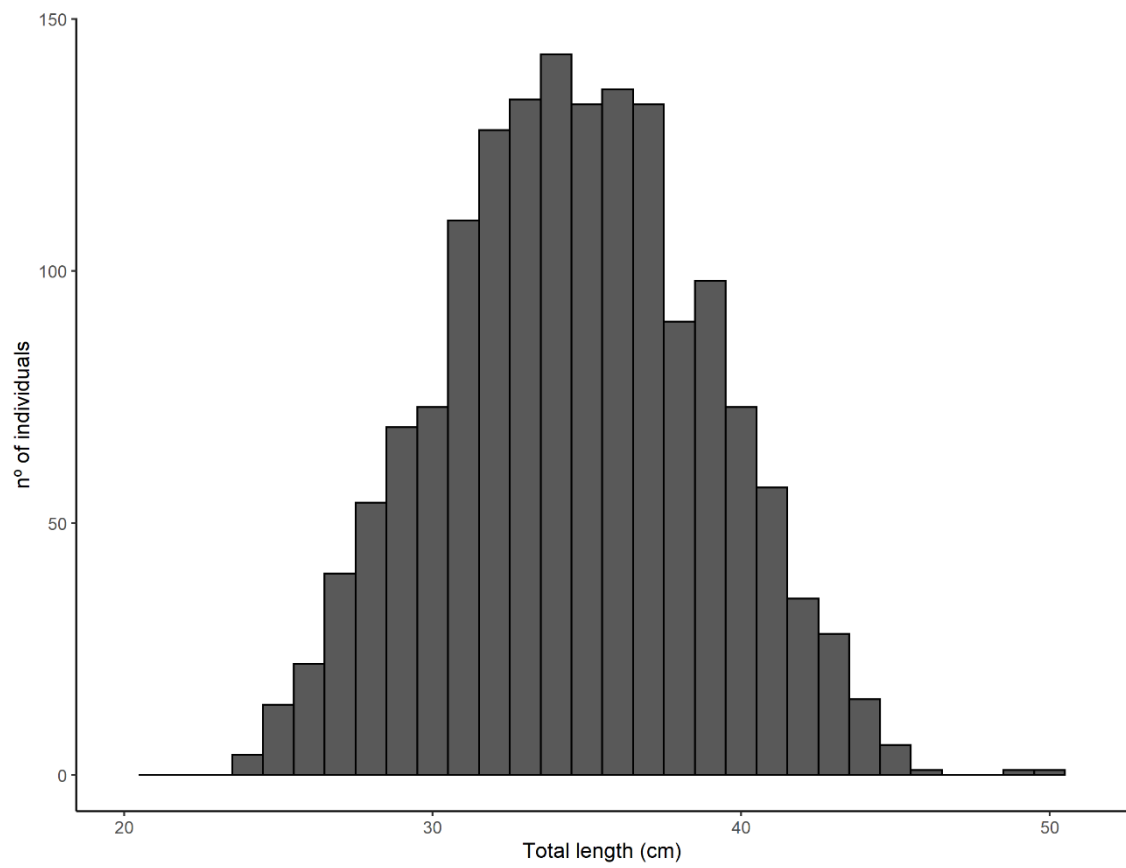


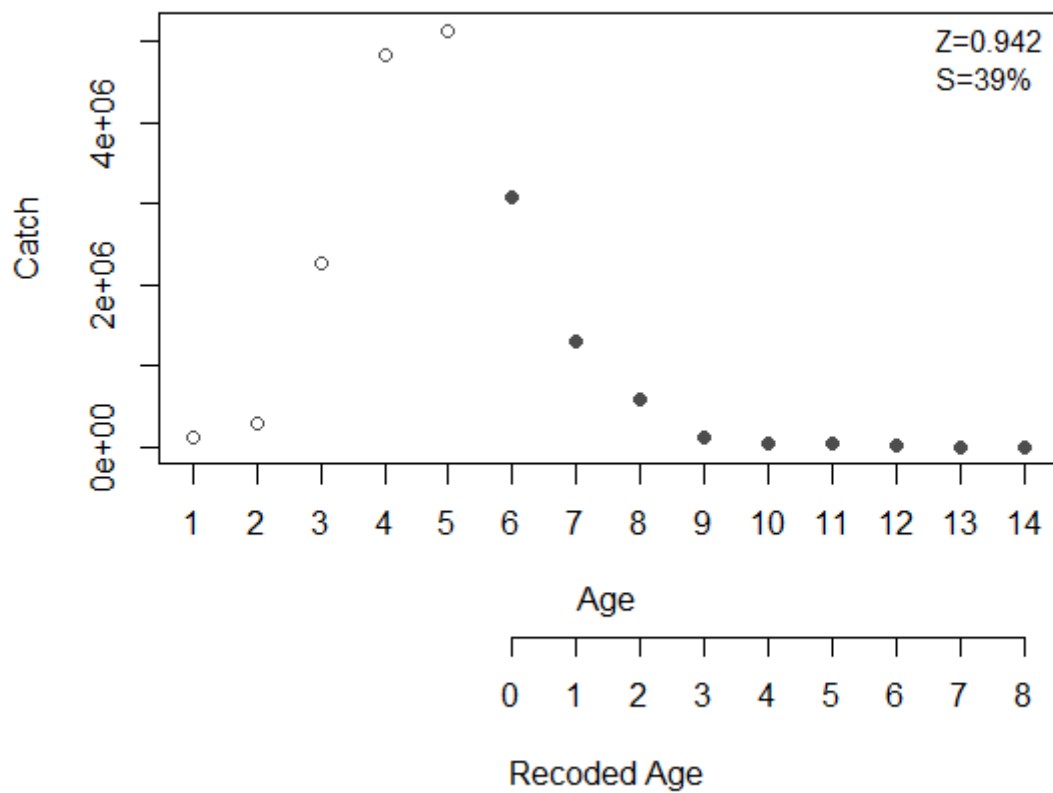
Supplementary Figure 1. Frequency distributions of the distances from the nucleus to growth increments at age 1 to 9 assigned in otoliths of *Trachurus picturatus* from Portuguese continental coast.



Supplementary Figure 2. Length distribution for the two data sets used for *Trachurus picturatus* growth modelling in Portuguese continental coast. DR – direct readings; BC – back-calculation.



Supplementary Figure 3. Length distribution of *Trachurus picturatus* from landings in Peniche port (centre Portugal), during 2018–2019.



Supplementary Figure 4. Chapman-Robson estimates of annual survival rate (S) and instantaneous mortality (Z) for *Trachurus picturatus* from Portuguese continental coast, described by FSA package for R environment. Grey dots are ages from descending-limb used in estimations.