



Supplementary Figure 1

Joint posterior of key parameters of the model used to incorporate an environmentally forced recruitment for European anchovy (*Engraulis encrasicolus*) in the Gulf of Cádiz, Spain: natural mortality (M), fishing mortality (F), population size at the first time step (N^*), asymptotic length (L_∞), somatic growth rate (g), Napierian logarithm of monthly catchability or $\log(Q)$, inverse of the variance for acoustic surveys or Inv.var.ac ($1/\sigma_A^2$), coefficient of variation of recruits or CVR (C_R), and inverse of the number of fish in a school (η^{**}).