**Supplementary information**

**for**

**revealing environmental synchronicity that enhances anchovy recruitment in the mediterranean sea**

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**Figure S1**. Fluctuation in sea surface temperature (SST) in the three ecosystems (Gulf of Lions, Adriatic Sea, and Strait of Sicily).



**Figure S2**. Model validation graphs. Top left: Fitted values versus residuals (homogeneity). top right: QQ-plot for (normality). Bottom left: Residuals versus Standardized SI (independence assumption). Bottom right: Residuals versus Standardized SI (independence assumption).