**Space-time recapture dynamics of PIT-tagged Northeast Atlantic mackerel (*Scomber scombrus*) reveal size-dependent migratory behaviour**

# Supplementary files – zip files with multiple figures

**DESCRIPTION OF THE FILE NAMES AND CONTENT.**

S1. The files named ***Sensitivity\_[migration cycle]\_AIC.pdf***

e.g. Sensitivity\_cycle1\_AIC.pdf

These files are showing the marginal effect of the different covariates for the AIC-selected models per migration cycle 1-3. Empty cells indicate that the variable was not selected in the final model. The marginal effects are not sensitive to this improvement in AIC by exclusion of certain covariates.

S2. The files named ***Resid\_[migration cycle][ecoregion].png***

e.g. Resid\_cycle1\_IS.png, Resid\_cycle3\_NO.png

These files are showing the residual plots from the main model results discussed in the manuscript. Each figure includes a QQplot (calculated as in the *DHARMa* package in *R*), and model residuals plotted against different covariates i.e. fish bodysize, recapture date in Julian days (from June 1st of that year), release year, and release date in Julian days from January 1st (of that year).