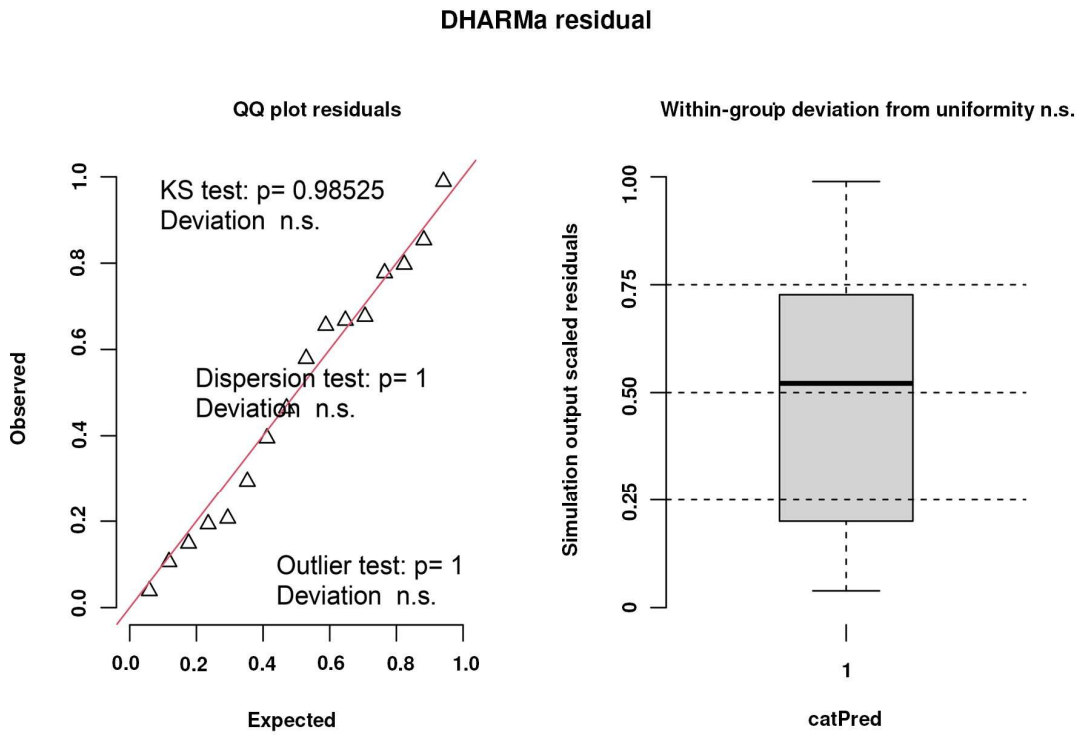

Fig. S1. Residual diagnostics of the generalised linear mixed model (GLMM) using the *DHARMa* package. (Left) Quantile-quantile (QQ) plot of scaled residuals showing no significant deviation from the expected distribution (KS test: $P = 0.98$; dispersion test: $P = 1$; outlier test: $P = 1$). (Right) Boxplot of scaled residuals indicating no within-group deviation from uniformity, suggesting that model fit is appropriate.