

Supplemental stats

Bait discovery time

ANOVA residuals normality: no deviation (Shapiro-Wilk W test, $W = 0.93$, NS)

ANOVA residuals homoscedasticity: no deviation (Levene's test, $F(3,12) = 3.41$, NS)

Bait retrieval

Normality of the dependent variable: significant deviation (Shapiro-Wilk W test, $W = 0.76$, $P > 0.05$)

Homoscedasticity of the dependent variable between the two species: no deviation (Fligner-Killeen test, $\chi^2(1) = 1.76$, NS)

Recruitment on bait

GLMM residuals normality: no deviation (Kolmogorov-Smirnov test, $D = 0.09$, NS)

GLMM residuals homoscedasticity: no deviation (Bartlett's test, $\chi^2(35) = 45.55$, NS)

GLMM residuals autocorrelation structure: ARMA(0,2), $\theta_1 = 0.92$, $\theta_2 = 0.45$

Recruitment in arena

GLMM residuals normality: no deviation (Kolmogorov-Smirnov test, $D = 0.13$, NS)

GLMM residuals homoscedasticity: no deviation (Bartlett's test, $\chi^2(17) = 18.12$, NS)

GLMM residuals autocorrelation structure: AR(1), $\phi_1 = 0.70$

Proportional recruitment

GLMM residuals normality: no deviation (Kolmogorov-Smirnov test, $D = 0.09$, NS)

GLMM residuals homoscedasticity: no deviation (Bartlett's test, $\chi^2(17) = 20.78$, NS)

GLMM residuals autocorrelation structure: ARMA(0,1), $\theta_1 = 0.84$

Intraspecific proportional recruitment

The normality of the distributions was verified through the Shapiro-Wilk W test. All proportional recruitment data distributions showed no significant deviations from the normal distribution.

T. magnum minute 10: $W = 0.86$, NS

T. magnum minute 20: $W = 0.94$, NS

T. magnum minute 30: $W = 0.78$, NS

T. magnum minute 40: $W = 0.99$, NS

T. magnum minute 50: $W = 0.89$, NS

T. magnum minute 60: $W = 0.99$, NS

T. magnum minute 70: $W = 0.84$, NS

T. magnum minute 80: $W = 0.91$, NS

T. magnum minute 90: $W = 0.95$, NS

L. humile minute 10: cannot test normality on sample size < 3

L. humile minute 20: $W = 0.82$, NS

L. humile minute 30: $W = 0.77$, NS

L. humile minute 40: $W = 0.88$, NS

L. humile minute 50: $W = 0.91$, NS

L. humile minute 60: $W = 0.91$, NS

L. humile minute 70: $W = 0.92$, NS

L. humile minute 80: $W = 0.86$, NS

L. humile minute 90: $W = 0.88$, NS

Inter-specific interactions

GLMM residuals autocorrelation structure: no autocorrelation found.