

Table S8. Results of statistics of data collected by funnel traps baited with NAA

Laplace <- glmer(ABUNDANCE.t ~ SITE:SEASON:SUBSEASON:FLEDGED_CHICKS + (1 | SITE/SEASON/TRAP_ID), data = FUNNEL_NAA, family = gaussian(link = "log"), nAGQ = 1)

summary(Laplace)

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) ['glmerMod']

Family: gaussian (log)

Formula: ABUNDANCE.t ~ SITE:SEASON:SUBSEASON:FLEDGED_CHICKS + (1 | SITE/SEASON/TRAP_ID)

AIC	BIC	logLik	deviance	df.resid
4796.3	4844.1	-2387.2	4774.3	560

Scaled residuals:

Min	1Q	Median	3Q	Max
-1.1013	-0.4193	-0.1907	0.0066	5.3969

Random effects:

Groups	Name	Variance	Std.Dev.
TRAP_ID:(SEASON:SITE)	(Intercept)	0.00	0.00
SEASON:SITE	(Intercept)	3.59	5.99
SITE	(Intercept)	4.58×10 ⁻⁸	2.14×10 ⁻⁴
Residual		2.31×10 ²	15.20

Number of obs: 571, groups: TRAP_ID:(SEASON: SITE), 36; SEASON: SITE, 6; SITE, 2

Fixed effects:

	Estimate	Std. Error	t value	Pr(> z)	
(Intercept)	1.97890	0.22149	8.934	<2×10 ⁻¹⁶	***
SITESample:SEASONfirst:SUBSEASONspring:FLEDGED_CHICKS	-0.00153	0.00125	-1.223	0.221	
SITESample:SEASONsecond:SUBSEASONspring:FLEDGED_CHICKS	-0.00166	0.00150	-1.103	0.270	
SITESample:SEASONthird:SUBSEASONspring:FLEDGED_CHICKS	0.00045	0.00130	0.344	0.731	
SITESample:SEASONfirst:SUBSEASONwinter:FLEDGED_CHICKS	-0.00339	0.00280	-1.211	0.226	
SITESample:SEASONsecond:SUBSEASONwinter:FLEDGED_CHICKS	-0.00420	0.00370	-1.136	0.256	
SITESample:SEASONthird:SUBSEASONwinter:FLEDGED_CHICKS	0.00274	0.00126	2.183	0.029	*

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1