**Table S3.** Multi-scale glmmPQL models describing the effect of variables selected by GLS models on nest fate. Year and initiation day were treated as fixed variables. Coefficients refer to standardized variables.

| Variable | β | SE | *P* |
|---|---|---|---|
| **Little crake** | | | |
| intercept | -5.01 | 0.47 | |
| year (2013) | -0.37 | 0.47 | 0.442 |
| year (2014) | -0.52 | 0.57 | 0.365 |
| initiation day | -0.50 | 0.19 | 0.013 |
| vegetation density | 1.55 | 0.25 | <0.001 |
| vegetation height | 0.90 | 0.21 | <0.001 |
| water depth (territory) | 0.42 | 0.17 | 0.017 |
| | | | |
| **Water rail** | | | |
| intercept | 3.78 | 0.40 | |
| year (2013) | 0.37 | 0.59 | 0.537 |
| year (2014) | -0.76 | 0.45 | 0.096 |
| initiation day | -0.16 | 0.21 | 0.438 |
| emergent vegetation | -0.49 | 0.15 | 0.003 |
| vegetation density | 0.76 | 0.21 | <0.001 |
| vegetation height | 0.29 | 0.26 | 0.272 |
| reed cover | 0.44 | 0.30 | 0.146 |