|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Linear mixed effects model: Proportions of brood**  Formula: PropBrood ~ poly(NestSect, degree = 2, raw = TRUE)\*Nest\*Density + Day + Corner + (1 | Colony ID) | | | | | |
| Random effects: | Name | Variance | Std. dev |  |  |
| Colony ID | (Intercept) | 0.000 | 0.000 |  |  |
| Residual |  | 0.012 | 0.109 |  |  |
| Fixed effects: | *β* a | *SE* b | *df* c | *t* d | *P* |
| (Intercept) | -0.151 | 0.017 | 3170 | -8.854 | **<0.001** |
| NestSect | 0.091 | 0.008 | 3170 | 11.275 | **<0.001** |
| NestSect2 | -0.005 | 0.001 | 3170 | -6.286 | **<0.001** |
| Nest | 0.105 | 0.022 | 3170 | 4.846 | **<0.001** |
| Density | 0.047 | 0.022 | 3170 | 2.190 | **0.029** |
| Day | 0.000 | 0.001 | 3170 | 0.000 | 1.000 |
| Corner | 0.027 | 0.005 | 3170 | 5.060 | **<0.001** |
| NestSect\*Nest | 0.016 | 0.011 | 3170 | 1.426 | 0.154 |
| NestSect2\*Nest | -0.008 | 0.001 | 3170 | -6.122 | **<0.001** |
| NestSect\*Density | -0.003 | 0.011 | 3170 | -0.239 | 0.811 |
| NestSect2\*Density | -0.001 | 0.001 | 3170 | -1.165 | 0.244 |
| Nest\*Density | -0.038 | 0.030 | 3170 | -1.265 | 0.206 |
| NestSect\*Nest\*Density | -0.015 | 0.015 | 3170 | -0.993 | 0.321 |
| NestSect2\*Nest\*Density | 0.004 | 0.002 | 3170 | 2.513 | **0.012** |
| Model Statistics: |  |  |  |  |  |
| Number of obs: 3184, groups: Colony ID, 20  Marginal *R*2 = 0.297, Conditional *R*2 = 0.297  a Coefficient  b Standard error  c Degrees of freedom  d T statistic | | | | | |