|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Linear mixed effects model: Proportions of workers**  Formula: PropWorker ~ 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 |  | 0.005 | 0.071 |  |  |
| Fixed effects: | *β* a | *SE* b | *df* c | *t* d | *P* |
| (Intercept) | 0.133 | 0.011 | 3178 | 11.917 | **<0.001** |
| NestSect | -0.001 | 0.005 | 3178 | -0.193 | 0.847 |
| NestSect2 | 0.000 | 0.001 | 3178 | -0.375 | 0.708 |
| Nest | 0.151 | 0.014 | 3178 | 10.661 | **<0.001** |
| Density | 0.025 | 0.014 | 3178 | 1.767 | 0.077 |
| Day | 0.000 | 0.000 | 3178 | 0.000 | 1.000 |
| Corner | 0.019 | 0.004 | 3178 | 5.541 | **<0.001** |
| NestSect\*Nest | -0.055 | 0.007 | 3178 | -7.462 | **<0.001** |
| NestSect2\*Nest | 0.003 | 0.001 | 3178 | 4.334 | **<0.001** |
| NestSect\*Density | -0.009 | 0.007 | 3178 | -1.302 | 0.193 |
| NestSect2\*Density | 0.001 | 0.001 | 3178 | 0.864 | 0.388 |
| Nest\*Density | -0.088 | 0.020 | 3178 | -4.447 | **<0.001** |
| NestSect\*Nest\*Density | 0.030 | 0.010 | 3178 | 2.980 | **0.003** |
| NestSect2\*Nest\*Density | -0.002 | 0.001 | 3178 | -1.695 | 0.090 |
| Model Statistics: |  |  |  |  |  |
| Number of obs: 3192, groups: Colony ID, 20  Marginal *R*2 = 0.246, Conditional *R*2 = 0.246  a Coefficient  b Standard error  c Degrees of freedom  d T statistic | | | | | |