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| --- | --- | --- | --- | --- | --- |
| **Linear mixed effects model: Worker spatial fidelity zone size**  Formula: SFZ ~ Nest\*Density + (1 | Colony ID) + (1 | ColorID) | | | | | |
| Random effects: | Name | Variance | Std. dev |  |  |
| ColorID | (Intercept) | 0.015 | 0.121 |  |  |
| Colony ID | (Intercept | 0.036 | 0.190 |  |  |
| Residual |  | 0.690 | 0.831 |  |  |
| Fixed effects: | *β* a | *SE* b | *df* c | *t* d | *P* |
| (Intercept) | 1.680 | 0.123 | 21.122 | 13.653 | **<0.001** |
| Nest | -0.144 | 0.145 | 280.881 | -0.988 | 0.324 |
| Density | -0.324 | 0.160 | 13.695 | -2.021 | 0.063 |
| Nest\*Density | 0.140 | 0.186 | 279.910 | 0.755 | 0.451 |
| Model Statistics: |  |  |  |  |  |
| Number of obs: 383, groups: Color ID, 228; Colony ID, 19  Marginal *R*2 = 0.023, Conditional *R*2 = 0.090  a Coefficient  b Standard error  c Degrees of freedom  d T statistic | | | | | |