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| **Linear mixed effects model: Queen scaled distances to brood pile center**  Formula: ToBrood ~ Nest \*Density + Day + Corner + (1 | Colony ID) | | | | | |
| Random effects: | Name | Variance | Std. dev |  |  |
| Colony ID | (Intercept) | 0.001 | 0.035 |  |  |
| Residual |  | 0.010 | 0.098 |  |  |
| Fixed effects: | *β* a | *SE* b | *df* c | *t* d | *P* |
| (Intercept) | 0.057 | 0.015 | 40.029 | 3.803 | **<0.001** |
| Nest | 0.090 | 0.011 | 1067.062 | 8.143 | **<0.001** |
| Density | 0.025 | 0.018 | 23.069 | 1.374 | 0.183 |
| Day | -0.002 | 0.001 | 1061.054 | -1.870 | 0.062 |
| Corner | 0.033 | 0.010 | 1070.522 | 3.300 | **0.001** |
| Nest\*Density | 0.001 | 0.013 | 1060.719 | 0.105 | 0.916 |
| Model Statistics: |  |  |  |  |  |
| Number of obs: 1080, groups: Colony ID, 20  Marginal *R*2 = 0.249, Conditional *R*2 = 0.335  a Coefficient  b Standard error  c Degrees of freedom  d T statistic | | | | | |