

Linear Mixed Effects: individual worker site fidelity v. scaled distance to the nest entrance										
Coefficient	Scaled Fidelity Zone					Scaled Occurrence Zone				
	Est.	SE	df	T	P	Est.	SE	df	T	P
Intercept	1.093	0.422	373.000	2.591	0.010	6.665	0.621	373.000	10.740	<0.001
MeanScaledDist	3.313	2.292	373.000	1.445	0.149	-4.130	3.353	373.000	-1.232	0.219
Nest	1.250	0.565	373.000	2.211	0.028	-1.197	0.824	373.000	-1.453	0.147
Density	0.431	0.553	373.000	0.779	0.437	-1.903	0.813	373.000	-2.342	0.020
MeanScaledDist:Nest	-4.950	2.407	373.000	-2.056	0.040	4.937	3.520	373.000	1.403	0.162
MeanScaledDist:Density	-4.389	3.201	373.000	-1.371	0.171	13.669	4.668	373.000	2.928	0.004
Nest:Density	-1.927	0.736	373.000	-2.617	0.009	2.362	1.072	373.000	2.204	0.028
MeanScaledDist:Nest:Density	6.930	3.330	373.000	2.081	0.038	-14.513	4.855	373.000	-2.989	0.003
Random Effects										
σ ²	0.67					1.42				
τ ₀₀	0.02 _{AntID}					0.05 _{AntID}				
	0.03 _{Colony}					0.10 _{Colony}				
N	19 _{Colony}					19 _{Colony}				
	228 _{AntID}					228 _{AntID}				
Observations	384					384				
Marginal R ² / Conditional R ²	0.046 / 0.117					0.041 / 0.133				