

Linear Mixed Effects: individual worker site fidelity and colony size

Coefficient	Fidelity Zone (cm2)					Occurrence Zone (cm2)				
	Est.	SE	df	T	P	Est.	SE	df	T	P
Intercept	-0.003	0.075	373.000	-0.039	0.969	0.002	0.133	373.000	0.018	0.985
ColonySize	0.002	0.001	373.000	3.746	<0.001	0.008	0.001	373.000	7.302	<0.001
Nest	0.067	0.122	373.000	0.544	0.587	0.114	0.200	373.000	0.568	0.570
Density	0.050	0.097	373.000	0.518	0.605	0.006	0.181	373.000	0.033	0.974
ColonySize:Nest	-0.001	0.001	373.000	-0.838	0.403	-0.001	0.002	373.000	-0.672	0.502
ColonySize:Density	0.001	0.001	373.000	1.270	0.205	0.009	0.002	373.000	5.968	<0.001
Nest:Density	-0.240	0.160	373.000	-1.494	0.136	0.072	0.266	373.000	0.271	0.787
ColonySize:Nest:Density	0.002	0.001	373.000	1.833	0.068	-0.001	0.002	373.000	-0.662	0.508
Random Effects										
σ²	0.06					0.15				
τ₀₀	0.00 AntID					0.00 AntID				
	0.00 Colony					0.01 Colony				
N	19 Colony					19 Colony				
	228 AntID					228 AntID				
Observations	384					384				
Marginal R² / Conditional R²	0.348 / 0.381					0.809 / NA				