

## SUPPLEMENTARY MATERIALS

**Table S1.** Spatial autocorrelation in ant abundance occurs at scales  $> 1.5$  m in all plots.

Plot	Range	Sill	Nugget
Core-1	1.89	1201	0
Core-2	0.98	1389	0
Core-3	1.34	1327	0
Core-4	1.31	1256	0.001
Core-5	0.79	1562	0
Core-6	1.31	1324	0.02
Buffer-1	1.45	1236	0
Buffer-2	1.13	1235	0
Buffer-3	1.90	1325	0.01
Buffer-4	0.76	1756	0
Buffer-5	1.41	1678	0.08
Buffer-6	0.91	1237	0

**Figure S1.** Ant abundance (number of individuals) among all plots (16 m<sup>2</sup>). X = quadrat. Y = number of ants

present. Sites connected by a letter are not significantly different ( $\alpha = 0.05$ ). Bars represent standard error.

