Erratum: Optimizing the Encounter Rate in Biological Interactions: Lévy versus Brownian Strategies
[Phys. Rev. Lett. 88, 097901 (2002)]

F. Bartumeus, J. Catalan, U. L. Fulco, M. L. Lyra, and G. M. Viswanathan

Axis labels appear incorrectly in Fig. 2. The axis labels should appear exchanged as in the correct Fig. 2 shown below.

The main results reported in our Letter are not affected by this error, but some secondary conclusions are incorrect. Figure 2(a) is approximately symmetrical with respect to the $r \sim v$ line; therefore, the error in the figure ends up not being important. However, in the case of Fig. 2(b), there is no such symmetry, and some conclusions require modification. Specifically, for Lévy targets it is v rather than r that determines whether Lévy searches confer advantages relative to Brownian searches.

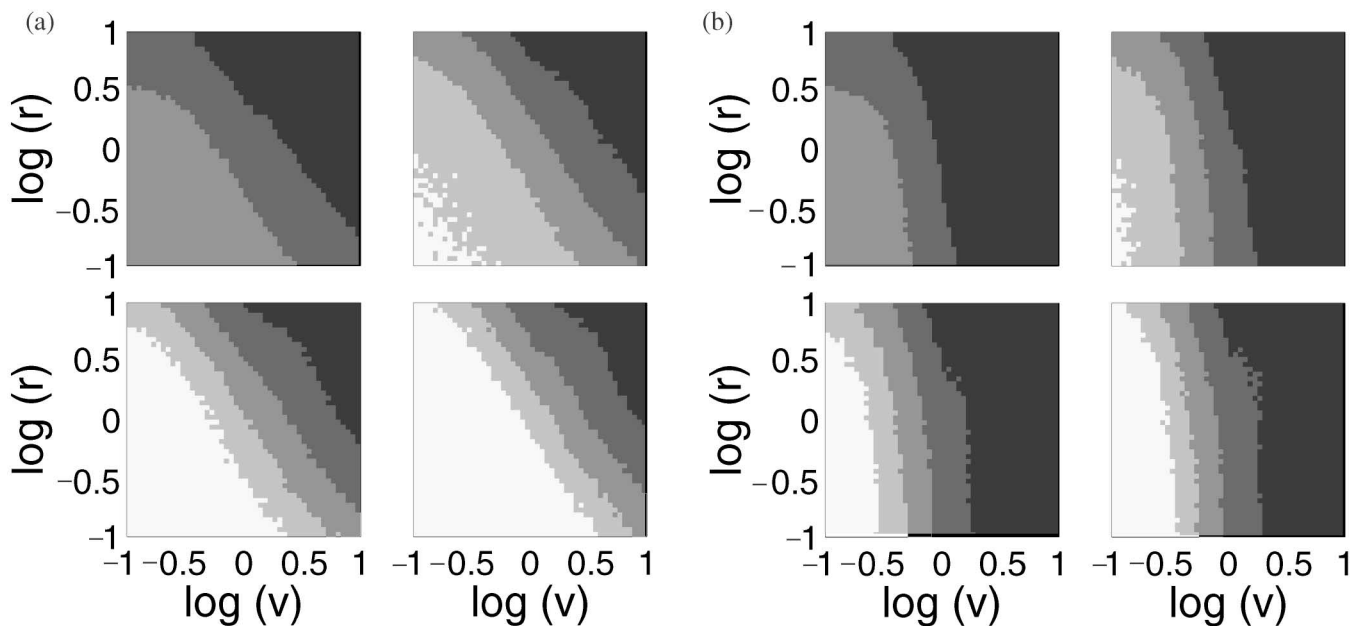We thank E. P. Raposo and M. G. E. da Luz for helpful comments.

FIG. 2. Gray-scale graph showing γ as a function of r and v for (a) Browning targets and (b) Lévy targets. Each set of 4 graphs corresponds to increasing system size $L = 25$, $L = 50$, $L = 75$, and $L = 100$ from top-left to bottom-right. The areas in white correspond to the case in which Lévy searching is significantly advantageous ($\gamma > 2.5$), while black indicates no advantage.