How superdiffusion gets arrested: Ecological encounters explain shift from Lévy to Brownian movement

Supplementary table and figures

**Suppl. Table 1:** Best fits of exponential distributions (e.g. Brownian walks) and Pareto distributions (e.g. Lévy walks) to individual movement trajectories. The last column indicates whether a Brownian walk better represents the observed step length distribution than a Lévy walk (0 = LW fits better than BW; 1 = BW fits better than LW). Here, we used variable lower boundary estimates \( l_{\text{min}} \) and corrected for sample size in order to compare Akaike Information Criterions (AIC).

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Suppl. Figure 1: Individual movement trajectories of 18 mussels in solitary treatment.
Suppl. Figure 2: Individual movement trajectories of 10 mussels in low density treatment (1.3 kg m$^{-2}$).
Suppl. Figure 3: Individual movement trajectories of 10 mussels in intermediate density treatment (2.0 kg m$^{-2}$).
**Suppl. Figure 4:** Individual movement trajectories of 10 mussels in a high density treatment (3.3 kg m$^{-2}$).
Suppl. Figure 5: Individual movement trajectories of 10 mussels in high density treatment (5.2 kg m$^{-2}$).