



Figure S1. Distribution of molecules in reactions

Probability distribution $p(k)$ that a molecule participates in k reactions, compiled from 80 runs to depth 1,000 in a dynamic environment. The distribution is fit to a power law $p(k) \sim k^{-\lambda}$, with $\lambda \approx 2.23$ ($r^2 = 0.88$). Error bars are standard error. Variable bin sizes are determined by the threshold binning method [37], with a minimum of $T=100$ points per bin.