

Supplementary Figure S1. Influence of low-level immigration on eradication outcomes of a free-ranging dog population.

Population trajectories projected over 10 years under annual removal rates of 30, 35, 40, 45, and 50 adult dogs. Solid lines indicate simulations assuming a closed population, whereas dashed lines indicate simulations incorporating immigration of one adult dog per month. Even low levels of immigration substantially increased the capture effort required for eradication, preventing eradication under annual removal rates of 35–40 adult dogs while maintaining eradication only at removal rates of 45–50 adult dogs.

