

Supplementary material

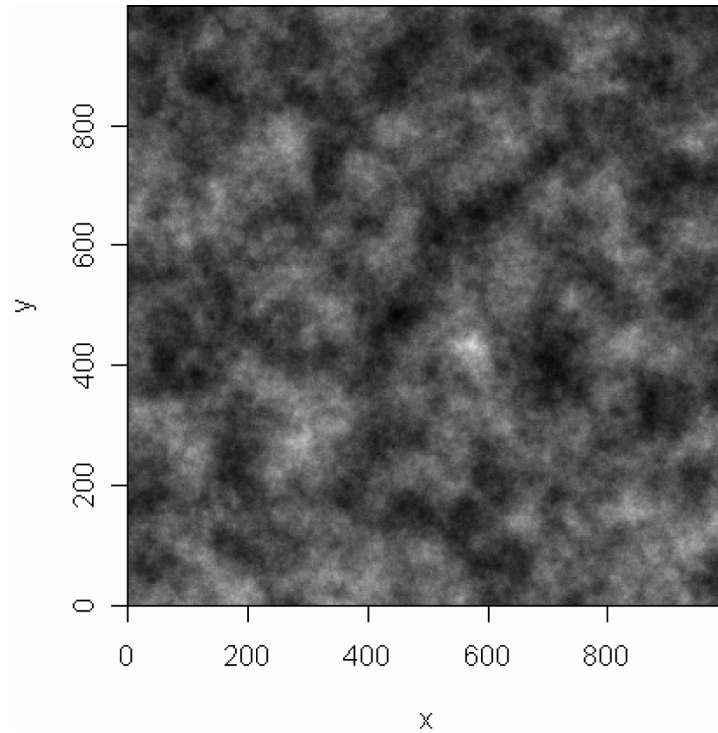


Figure S1. Spatial distribution of spatially correlated stochasticity generated using a range of 100 cells and a scale equal to 1 (the domain is  $1000 \times 1000$ ).

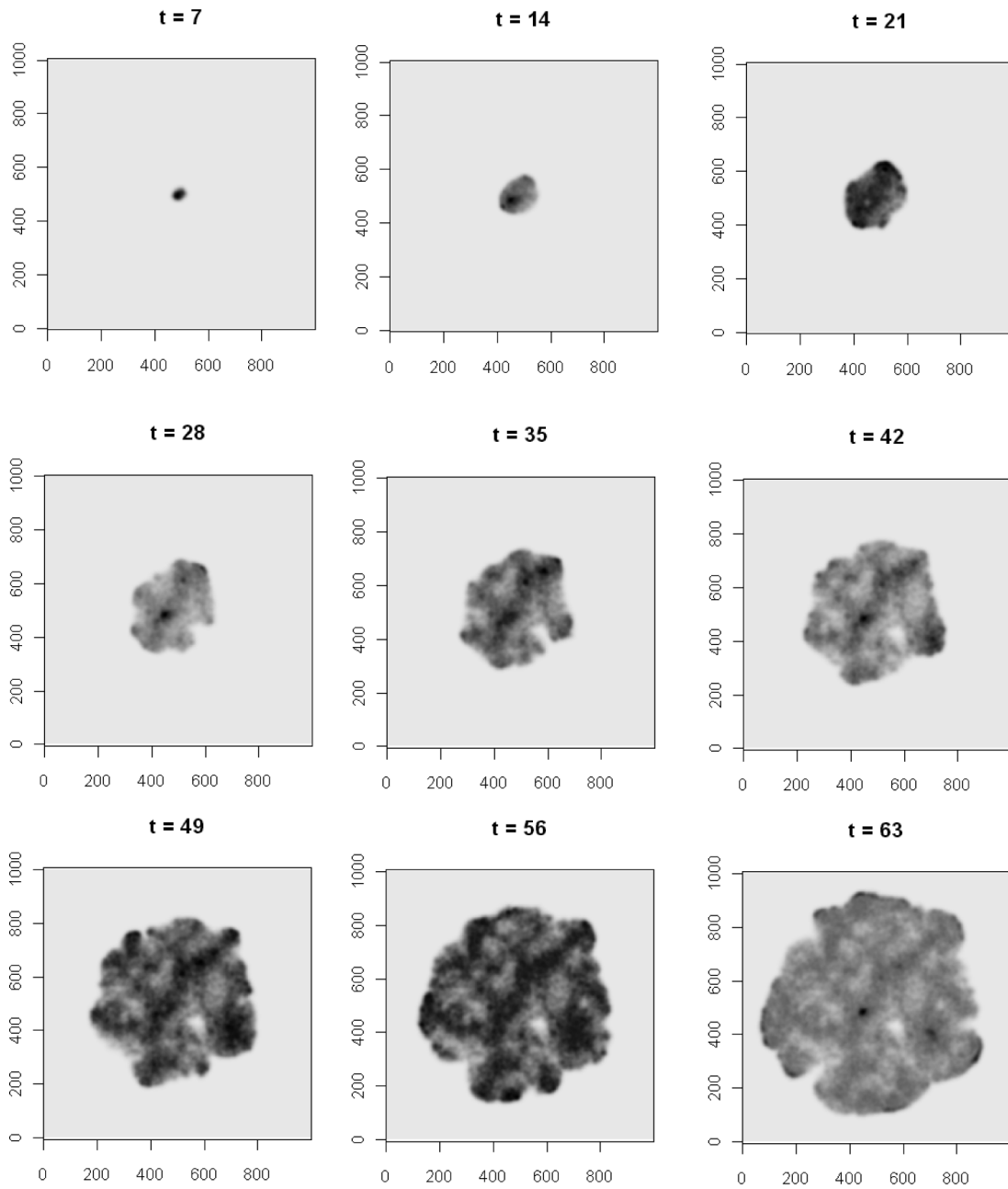


Figure S2. Distribution of population at different time steps of the invasion, as simulated by one realization of the invasion model.

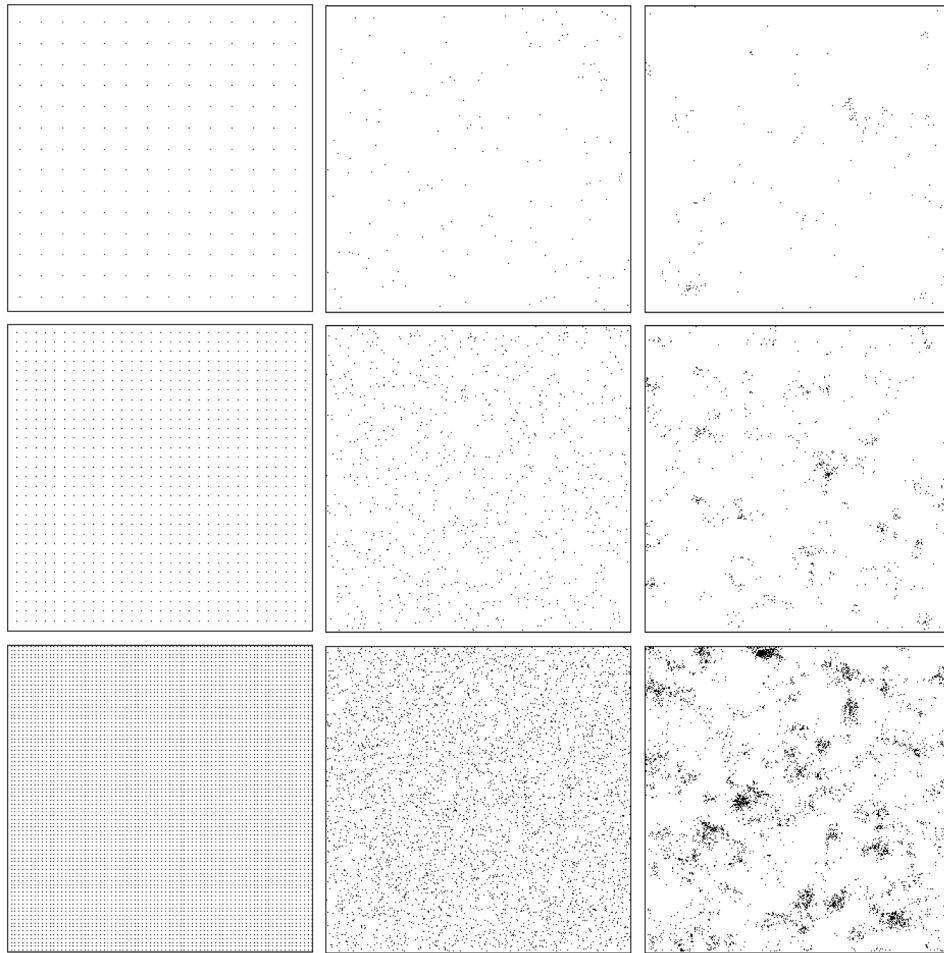


Figure S3. Spatial distribution of sampling points at density of approximately, 200, 1000 and 5000 points/100 000 cells (from top to bottom) distributed according to a regular, random and aggregated distribution (from left to right).