Table S3: Measurements of instability for spatial waves given by the analysis for the parameter sets in Table S1.

Instability Measurement	Value for PDE Simulation (Parameter Set 1)	Value for Stochastic Simulation (Parameter Set 2)
Instability threshold d_{thresh}	9.5×10^{-4}	2.657×10^{-2}
Maximum unstable wavelength	832.3 μm	49.77 μm
Minimum unstable wave number k for $L = 100 \mu m$	all are unstable	5
Minimum unstable wave number k for $L = 1000 \mu m$	3	41