

Microfluidic-Enabled Multi-Cell-Densities-Patterning and Culture Device for Characterization of Yeast Strains' Growth Rates under Mating Pheromone

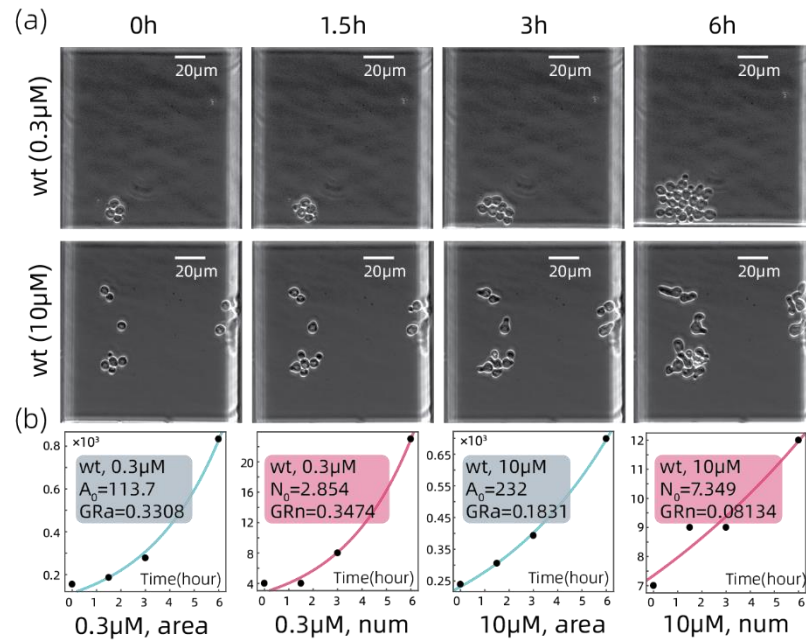


Figure S1. Growth rate analyzation on wild type strain in terms of population number and area. (a) Microscopic images from 2 conditions (0.3μM and 10μM). 4 images in each row of (a) were 4 time points (0h, 1.5h, 3h and 6h). (b) Fitting results of populations exhibited in (a) in terms of area and number.

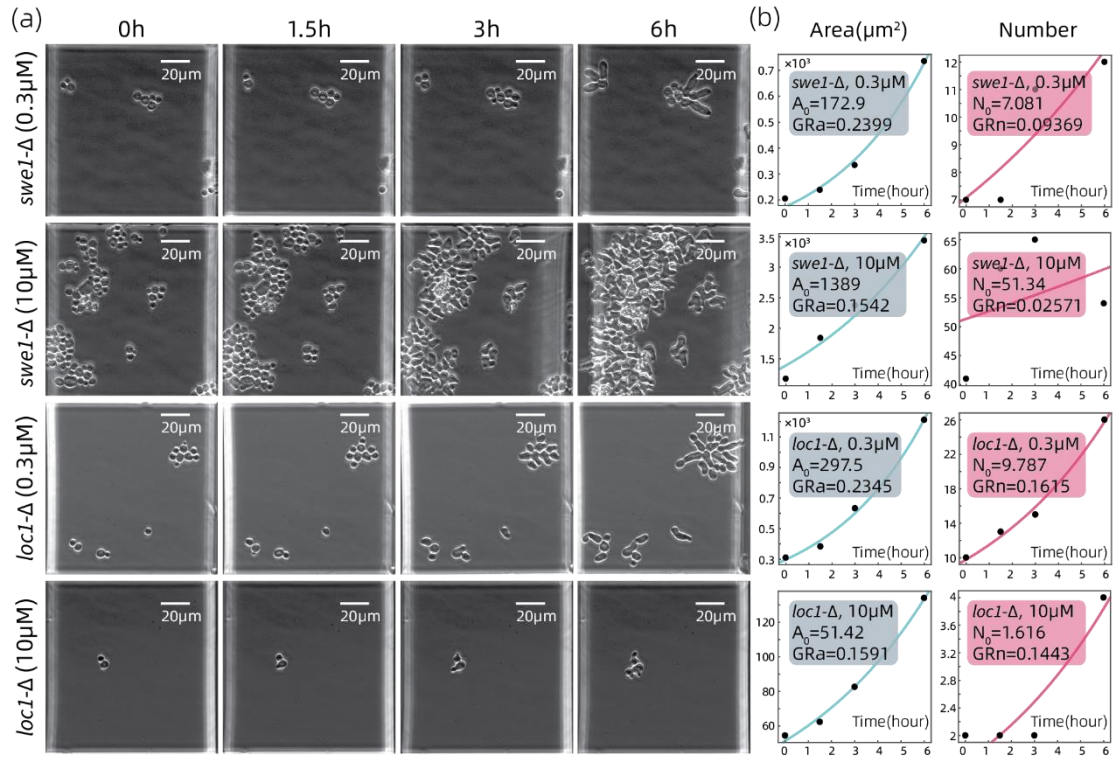


Figure S2. Growth rate analyzation on *swe1-Δ* and *loc1-Δ* strains in terms of population area (GRa) and number (GRn). Analyzation pipeline is same as what described for wild type strain. (a) Microfluidic images of the 2 strains from 4 time points (0h, 1.5h, 3h, 6h) under 0.3μM and 10μM. (b) Fitting results corresponding to certain strain under certain condition in (a).

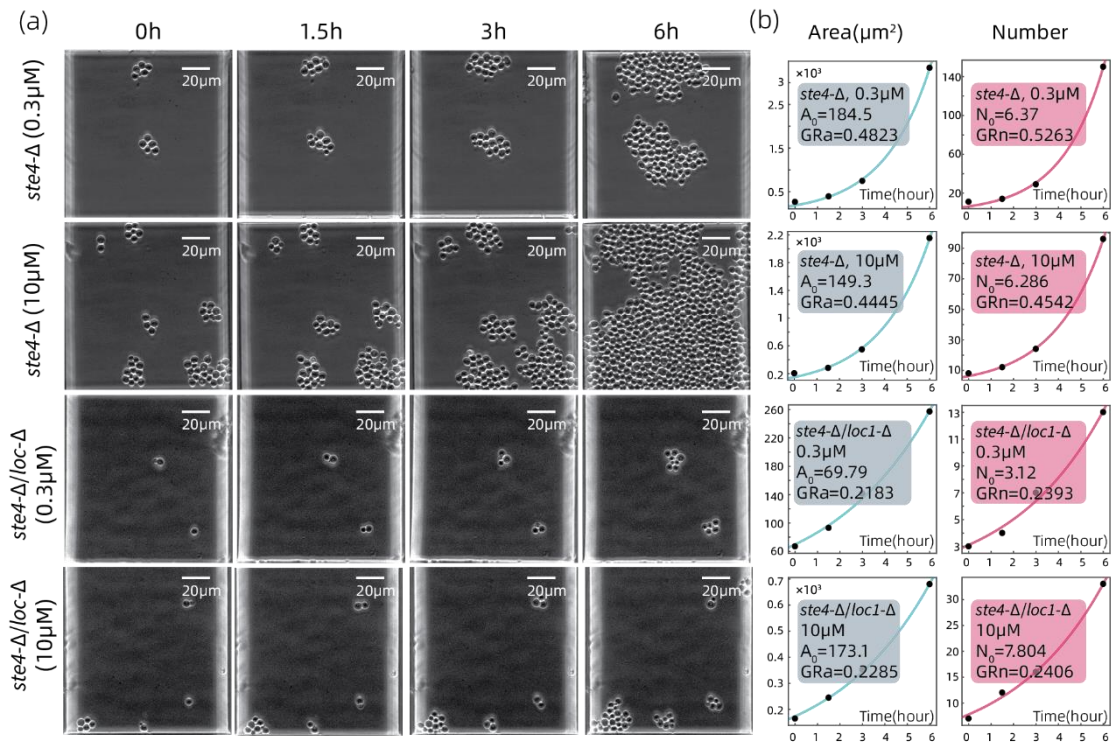


Figure S3. Growth rate analyzation on *ste4-Δ* and *ste4-Δ/loc1-Δ* of strains in terms of population area (GRa) and number (GRn). Analyzation pipeline is same as what described for wild type strain. (a) Microfluidic images of the 2 strains from 4 time points (0h, 1.5h, 3h, 6h) under 0.3μM and 10μM. (b) Fitting results corresponding to certain strain under certain condition in (a).