

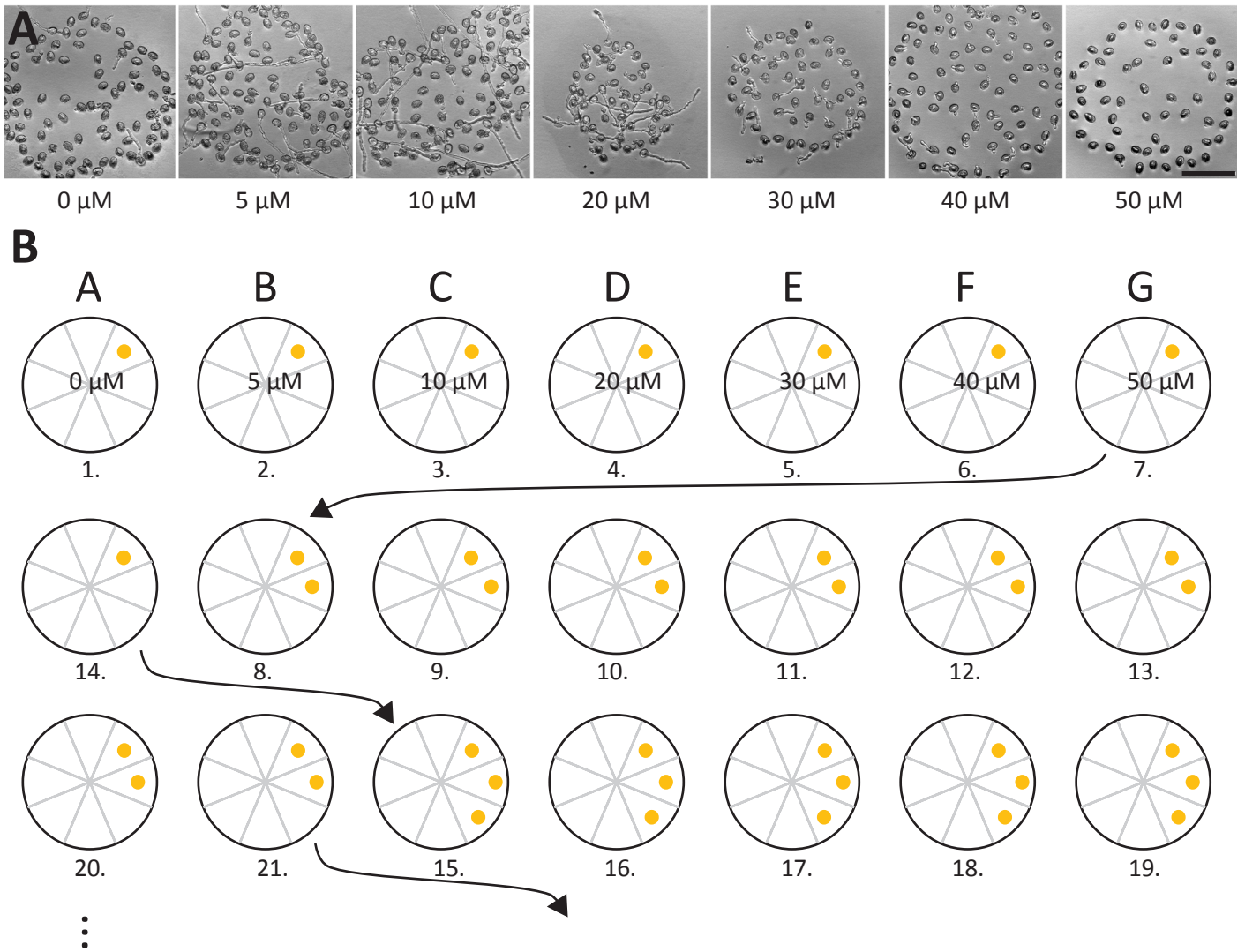


Figure S4.1 | Scheme of the pollen application procedure.

To balance out the time lags associated with pollen application and image acquisition, and to take varying pollen qualities into account, pollen was applied to the pollen germination medium in a standardized fashion. **(A)** By gently dabbing dehiscent anthers flowers on plates, spots of comparable size and pollen density were applied to the germination medium. Scale bar = 100 μm . **(B)** Seven pollen germination plates (A) to (G) containing PGM supplemented with varying epiBL concentrations (0 to 50 μM) were each subdivided in 8 sectors. Pollen was applied to the first sector of plate A (1.; yellow circle) and subsequently to the other 6 plates (2. – 7.). For the next sector, pollen application started with the second plate B, and ended with plate A (pollination order 8. – 14.). For sector three, pollen application started with plate C (pollination order 15. – 21.), and so on. Images were acquired in the same order as the pollination was performed.