

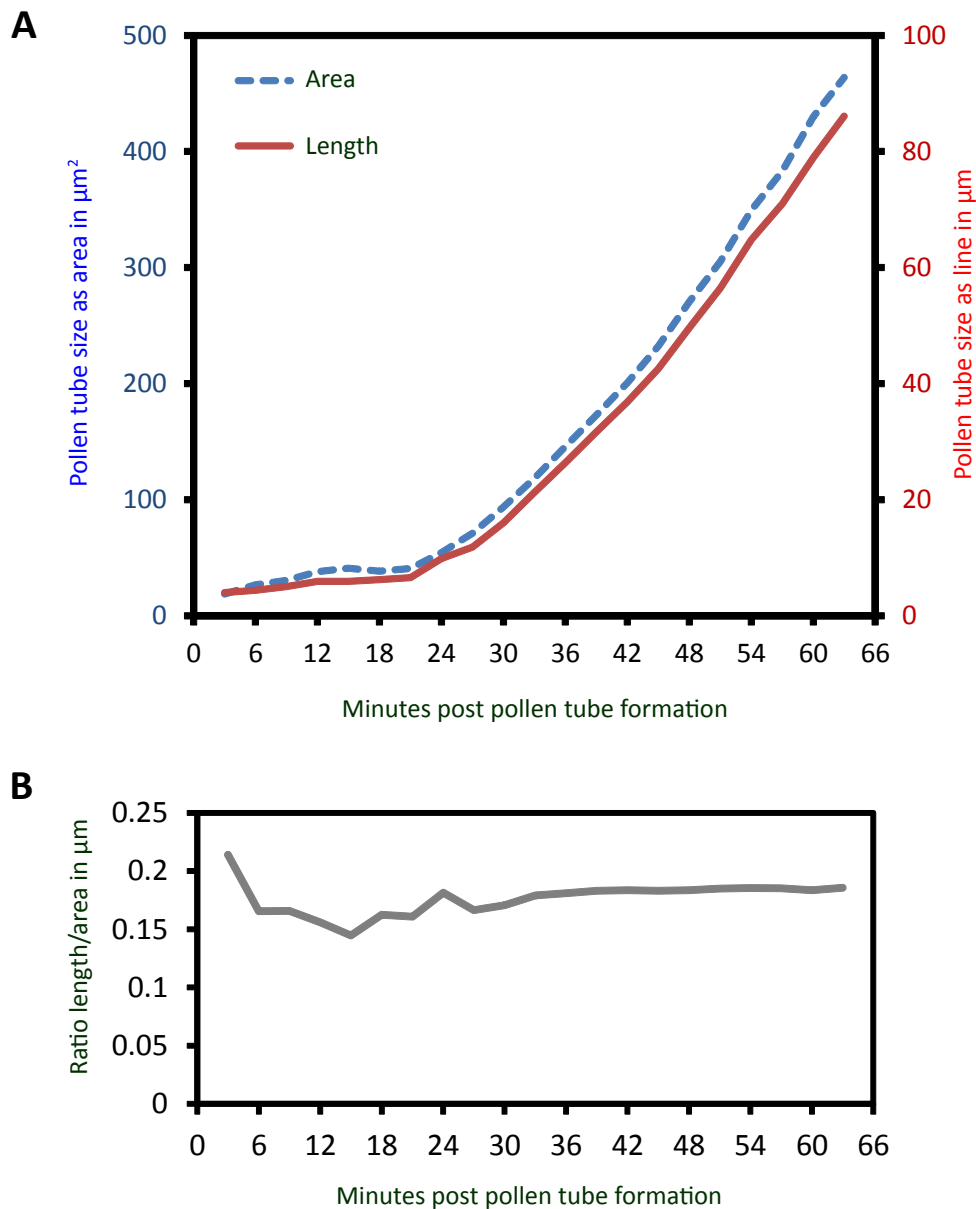


Figure S2.4 | Pollen tube growth kinetics, measured as frame-wise increase in pollen tube area and in pollen tube length

The pollen tube shown in Figure 2A was used to compare its increase in area (μm^2) over time with increasing tube length (μm), measured along a segmented line from the germination site to the PT tip (**A**). The ratio of length and area over time for this PT is shown in (**B**). Note that especially during the first 30 minutes after pollen germination (bulging and transition phase), subtle differences are visible between the two methods, with a slightly better resolution in PT growth dynamics when measuring PT areas. The ratio length/area furthermore reveals that the PT area can be divided by $0.18 \mu\text{m}^{-1}$ which is the mean of all values shown in (B), to yield the approximate length of a PT in μm .