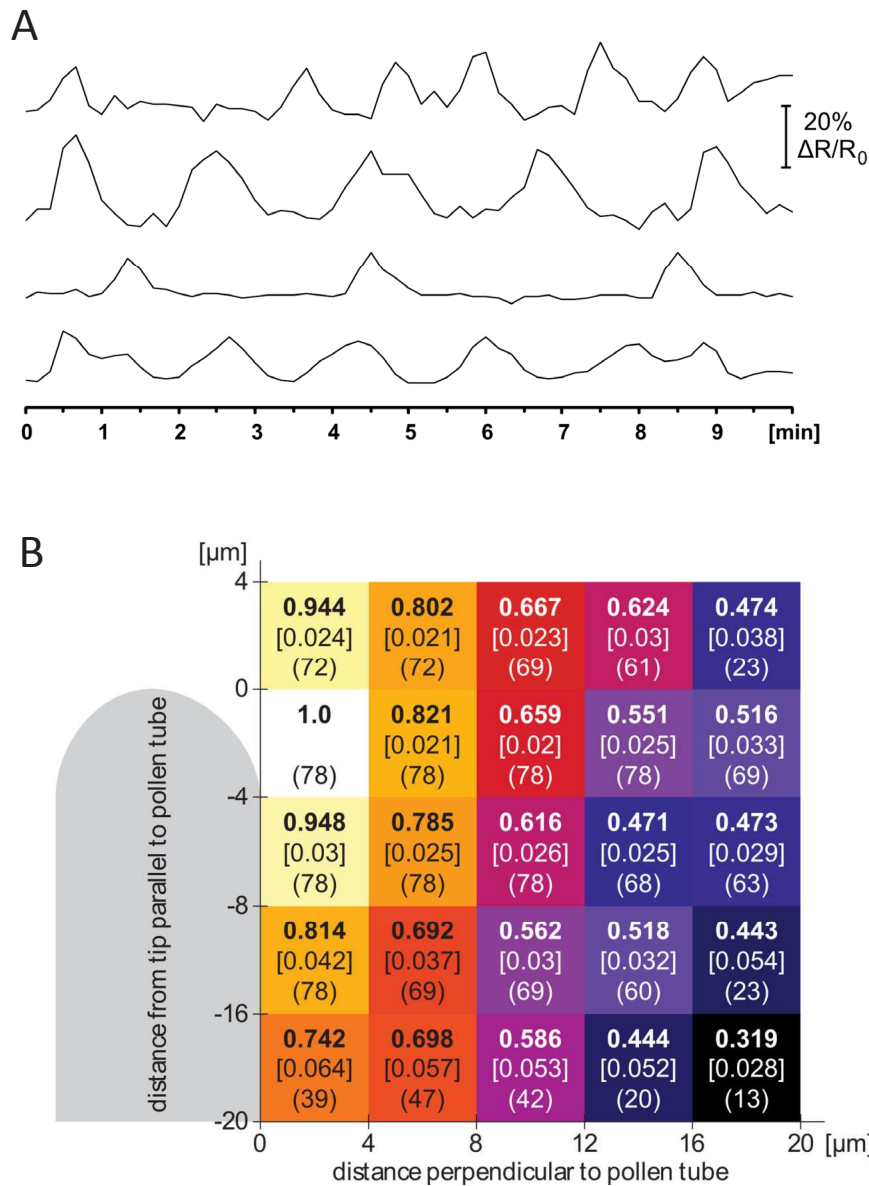




**Figure S5.2 |  $\text{Ca}^{2+}_{\text{cyto}}$  signatures detected in synergid cells.**

**(A)** Structure of the  $\text{Ca}^{2+}_{\text{cyto}}$  oscillations in synergid cells shown in **Figure 5.1 D**. During the interaction phase with a pollen tube similar amplitudes of the  $\text{Ca}^{2+}_{\text{cyto}}$  oscillations were detected in individual cells. The oscillations showed high variability in period among individual cells.

**(B)** Mapping of  $\text{Ca}^{2+}_{\text{cyto}}$  amplitudes in distance to the PT tip. Additional information to the schematic of a pollen tube tip in contact with a synergid cell given in **Figure 5.2 D**. Squares represent  $4 \times 4 \mu\text{m}$  regions used for analysis. Numbers in each square display the normalized average amplitude height, the standard error of mean in brackets and the number of measured  $\text{Ca}^{2+}_{\text{cyto}}$  elevations (n) in parentheses of five independent experiments.