



**Supplemental Figure 3.** Floral phenotypes in TCP5 overexpression and mutant lines.

**(A)** Overview of flower and petal phenotypes of Col0, *ATML1<sub>pro</sub>::TCP5-GFP*, *tcp5* and *tcp5 tcp13 tcp17* mutant plants. Scale bar is 1 mm. Detailed analysis of petal area **(B)**, width **(C)** and length **(D)** represented by boxplots. The marker represents the average, an asterisk indicates a significant difference (Student's t-test,  $p < 0.05$ ) compared to wild type Col0 (N=36).