



Supplemental Figure 1. Expression pattern of TCP5 in Arabidopsis petals during early and later stages of flower development.

(A-C) Confocal microscopy of GFP-tagged TCP5 in the distal part of the petal. The GFP fluorescence can be seen as a green signal in **(A)**, while the autofluorescence of chromo and/or chloroplasts is shown in red **(B)**. The overlay is shown in **(C)**, highlighting the nuclear localization of the GFP signal. **(D)** shows qRT-PCR analysis of cDNA of wild type petals from stage 12 (flowers close to anthesis), stage 14 (fully opened flowers) and stage 16 (senescing flower). The y-axis shows the relative expression with *TIP41* used as housekeeping gene for normalisation. The expression of *TCP13* and *TCP17* is scaled to the relative expression of *TCP5*. Asterisks indicate significantly different expression compared to expression at stage 12 using three biological replicates (Student's, t-test $p < 0.05$). The stages and graphic representation thereof are according to Smyth et al. (1990). Scale bars in **(A-C)** are 7.5 μm .