

Figure S1. The effects of ATP, ATP agonist, or ATP hydrolytes on PG and PTG in *Arabidopsis thaliana*. A-D show the effects of 0.1 mM ATP (sodium-, magnesium- or Tris- salt), weakly hydrolysable ATP agonist (ATPγS), and ATP hydrolytes (ADP, AMP, adenosine or adenine) on PG (A, B) and PTG (C, D). KCl concentration in the medium was 0.1 mM. In each experiment, at least 300 pollen grains or 150 pollen tubes were counted or measured. Data from 3 replicates were combined to obtain mean±SD. Student's *t*-test *p* values: **p*<0.05,***p*<0.01.

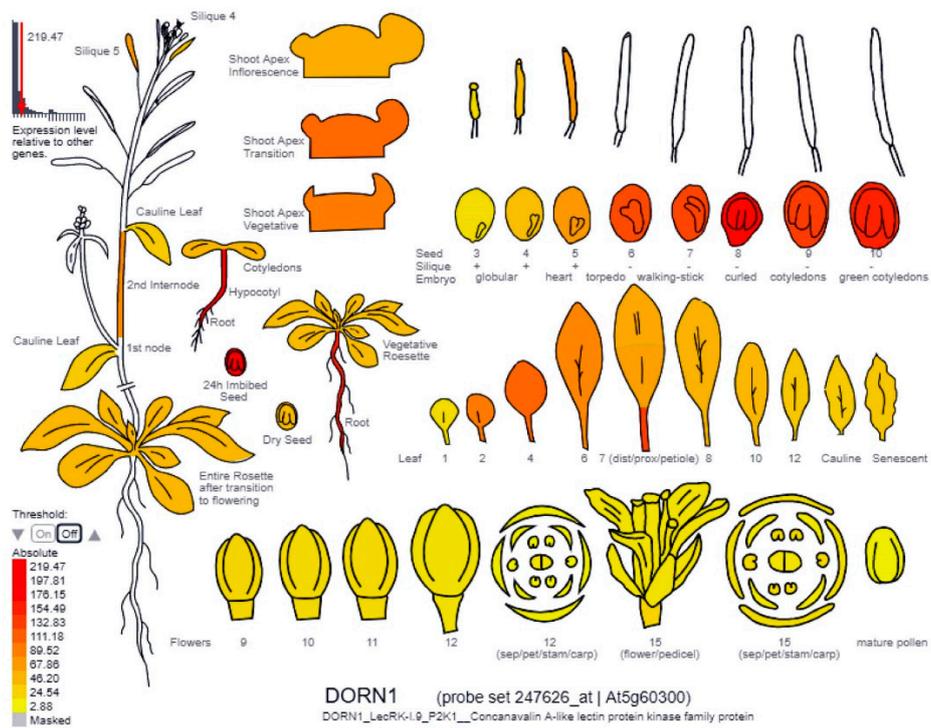


Figure S2. The expression pattern of DORN 1 in *Arabidopsis thaliana*. Data are from the information on website of the Arabidopsis Information Resource. (http://bar.utoronto.ca/~jwaese/Arabidopsis/Arabidopsis_eFPBrowser2.html?primaryGene=DORN1)