



**Figure S3. Quantification of phytohormone levels in corollas of *ir-hd20* and WT plants during corolla opening.**

Phytohormones were extracted from isolated corollas at different times of corolla opening and analyzed by LC-MS/MS. **(A)** JA levels. **(B)** JA-Ile levels. **(C)** SA levels. (n=4; bars denote  $\pm$  SE). **(D)** Isolated corollas from emasculated *ir-hd20* and WT flowers were collected at 4 and 6 pm and placed in 100 mL glass containers for 4.5 h for quantification of ethylene levels as described in the Materials and Methods section (four corollas were pooled per sample and a total of four samples per genotype were used).