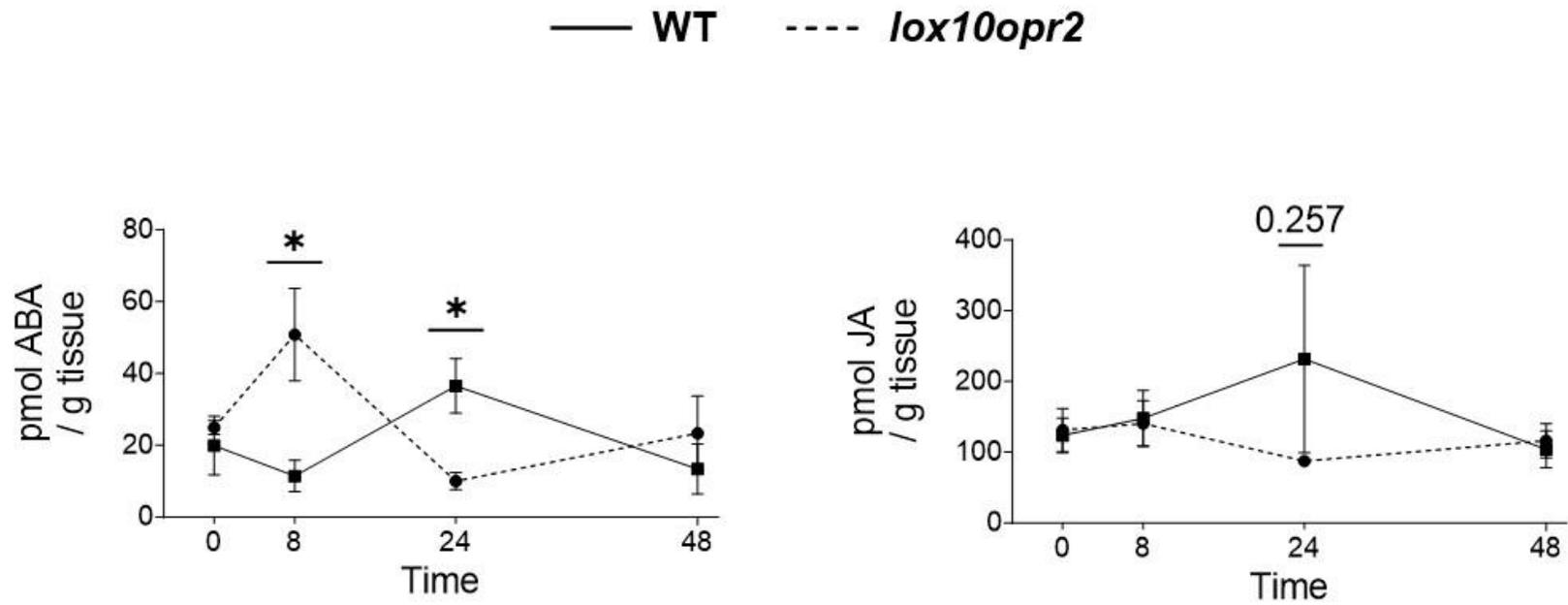
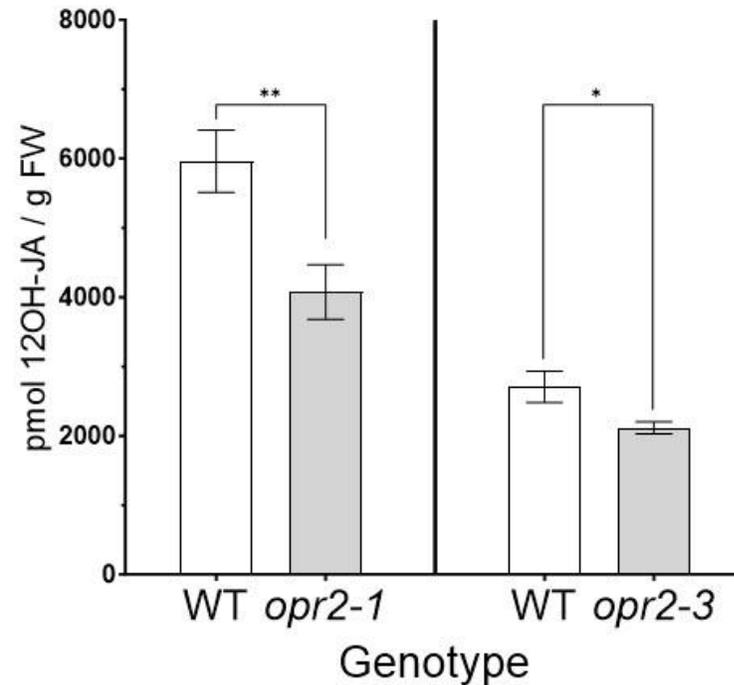


**Supplemental Figure 1.** Heatmap showing relative accumulation of oxylipins and phytohormones between WT and *lox10opr2* mutants at 0, 8, 24, and 48 hours post WCR infestation.



**Supplemental Figure 2.** Accumulation of ABA and JA in WT and *lox10opr2* mutants at 0, 8, 24, and 48 hours post WCR infestation. Bars are means  $\pm$  SE. Asterisks represent statistically significant differences (Student's *t*-test,  $*P < 0.05$ ).

## Pathogen infection



**Supplemental Figure 3.** *opr2* mutants accumulated lower amounts of 12OH-JA after *C. graminicola* infection. Contents of 12OH-JA was measured at 7 days post-infection. Bars are means  $\pm$  SE ( $n \geq 3$  maize plants per genotype). Asterisks represent statistically significant differences between WT and mutant (Student's *t*-test, \* $P < 0.05$ , \*\* $P < 0.01$ ).