



Figure S7. 14-day old *drp2b-2* plants display similar phenotypic defects in response to flg22 or *Pto* DC3000 as described for 5-6 week old *drp2b-2* plants.

(A) No significant difference in the fresh weight of 14-day old plants was observed between *drp2b-2* (black bar) and *sid2-2* (gray bar) compared to Col-0 (white bar) ($P > 0.5$). ($n = 21/\text{genotype}$). (B) In time-course experiments, ROS production was elevated in 14-day old *drp2b-2* plants (filled shapes) compared to Col-0 (open shapes) in response to $0.1 \mu\text{M}$ flg22. ($n = 32/\text{genotype}$). (C) In 14-day old plants, total ROS production was significantly increased in *drp2b-2* plants (black bar) compared to Col-0 (white bar) after elicitation with $0.1 \mu\text{M}$ flg22 ($P < 0.01$). Data were based on time-course experiment shown in Figure (B). (D) Using qRT-PCR with *At2g28390* as the reference gene, *PR1* mRNA levels were significantly reduced in *drp2b-2* (black bars) compared to Col-0 (white bars) at 24hr after treatment with $1 \mu\text{M}$ flg22 ($P < 0.05$). Treatment with water served as mock control. ($n = 4/\text{genotype and treatment}$). (E) Compared to Col-0 (white bars), bacterial growth was significantly increased in 14-day old *drp2b-2* plants (black bar) at 3 dpi with *Pto* DC3000lux ($\text{OD}_{600} = 0.0005$) as measured by serial dilution plating ($P < 0.05$). *sid2-2* (gray bar) served as positive control ($P < 0.0001$). ($n = 8/\text{genotype}$). (F) Using qRT-PCR, *PR1* mRNA levels were significantly reduced in *drp2b-2* (black bars) compared to Col-0 (white bars) at 24 hr after treatment with *Pto* DC3000lux ($\text{OD}_{600} = 0.0005$) ($P < 0.009$). Treatment with water (white bars) served as mock control.

Figure S7 continued.

(n=4/genotype). (G) Levels of SA in Col-0 (white bars) and *drp2b-2* (black bars) 12-day old plants treated for 24 hr with 1 μ M flg22 + 0.1% DMSO in water (P=0.2; n=3/genotype; each n contained 25 seedlings). Treatment with 0.1% DMSO in water served as mock control (P=0.3; n=2/genotype; each n contained 25 seedlings). Experiment was repeated twice with similar results. Unless stated differently, all experiments were done using 14-day old plants and repeated at least 3 independent times with similar results. Values are mean \pm SE, and statistical analysis was done as in Figure S1. ROS experiments shown in the same panel were performed in the same 96-well plate at the same time to allow for direct comparison. Relative Light Units, RLU.