

Figure S1. Expression of miR773 after AR156 treatment and Pst DC3000 inoculation. Plants are pre-treated with AR156 at 5×10^7 CFU/mL and 0.85% NaCl for seven days, respectively. Leaves are spray inoculated with Pst DC3000 cell suspension at 1×10^8 CFU/mL concentration. Total RNA is extracted from leaves with line numbers and time points indicated. RNA blots are hybridized with DNA oligonucleotide probes complementary to the indicated miRNAs. U6 is used as a loading control.

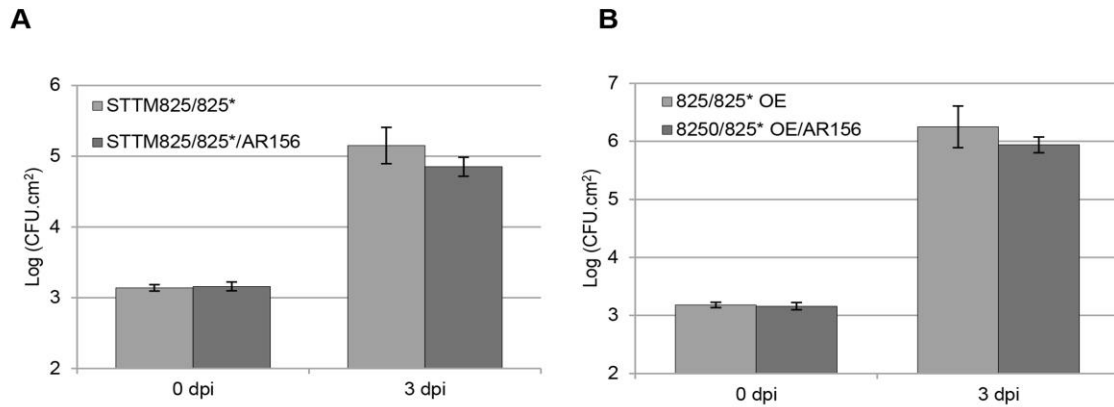
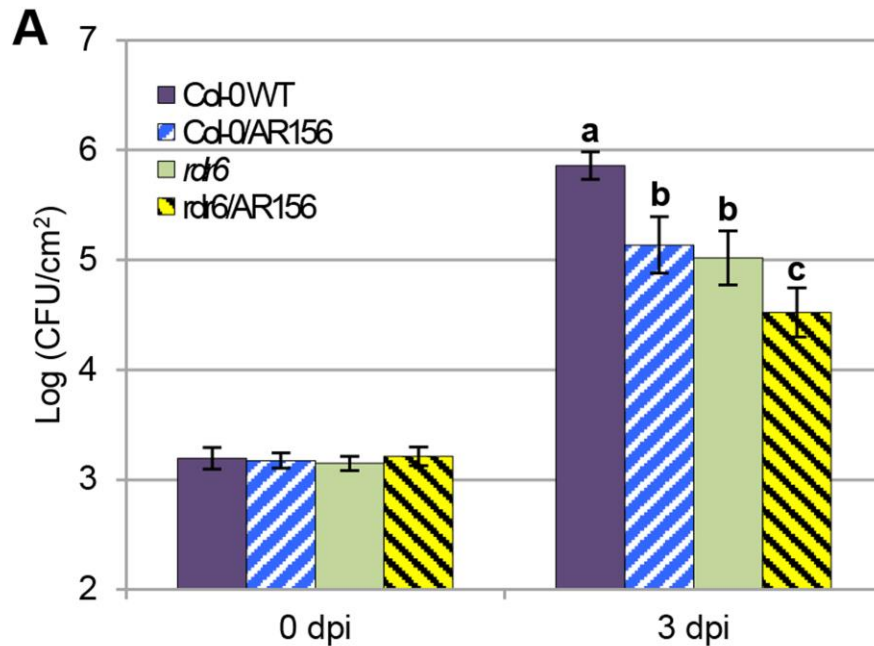


Figure S2. miR825/825* knockdown and overexpression diminish response to AR156 priming (A) AR156-mediated ISR in Col-0 and STTM825/825* transgenic plants. (B) AR156-mediated ISR in Col-0 and transgenic plants over-expressing miR825/825*. Plants pre-treated with AR156 at 5×10^7 CFU/mL and 0.85% NaCl for 7 days, respectively. Leaves are spray inoculated with Pst DC3000 cell suspension at 1×10^8 CFU/mL concentration. ISR is measured by counting colonies on plates 3 days after inoculation (dpi). Error bars represent standard deviation for at least 12 leaf discs.



B

Treatment	Average	Significance	
		p-value <0.01	p-value <0.05
Col-0 WT	5.8600	A	a
Col-0 /AR156	5.1367	B	b
rdr6	5.0167	B	b
rdr6 /AR156	4.5233	B	c

Figure S3. AR156-induced ISR to *Pst* DC3000 is partially dependent on RDR6 (A) AR156-induced ISR is measured in wild type and *rdr6* mutant plants. *Arabidopsis* Col-0 and *rdr6* mutant plants are pre-treated with AR156 at 5×10^7 CFU/mL and 0.85% NaCl for 7 days, respectively. Leaves are spray inoculated with *Pst* DC3000 cell suspension at 1×10^8 CFU/mL concentration. ISR is measured by counting colonies on plates 3 days after inoculation (dpi). Error bars represent standard deviation for at least 12 leaf discs. Statistical difference among samples is represented by using letters: different letters (a, b, and c) represent significant difference ($P < 0.05$) while same letters represent insignificant differences ($P > 0.05$). (B) The statistical value is listed in a table. Value in the 3rd column corresponds to Figure 5A.