

Supplementary Table S1. Primers for DNA quantification and DEG validation.

Species	Gene ID	Gene name	Forward Sequence	Reverse Sequence	Amplicon Size (bp)
<i>Pseudomonas syringae</i> pv. <i>syringae</i>	(Conserved sequence)	Glutathione-dependent formaldehyde-activating enzyme 1	CACTGCATAACCACGCCTG	AATCCAGACCGTGGAACGC	210
<i>Prunus avium</i>	XM_021955147.1	protein SAR DEFICIENT 1	CATGCTGGGGCAATGTCAAGATCA	CCAGTACCGCATTCAAAGTTGGAG	164
<i>Prunus avium</i>	XM_021979071.1	Golgin subfamily A member 4 (LOC110774526), transcript variant X4	AGCAAGGGTCTTTGGCTTGT	TGTCACGCTGTTGCACCAAT	156
<i>Prunus avium</i>	XM_021969502.1	E3 ubiquitin-protein ligase PRT6 (LOC110766214), transcript variant X2, mRNA	AAGCATGGCGTGTTACAGT	AAACAGCTCCGCAAACACCA	107
<i>Prunus avium</i>	XM_021962599.1	CBS domain-containing protein CBSCBSPB1-like isoform X2	CGCTGCATACAATGCATGAC	ATAGAGCTTGCGGCCTCATT	157
<i>Prunus avium</i>	XM_021957676.1	eIF-2-alpha kinase GCN2 isoform X2	ATGGAACGACACCATGTGCT	GGAGACATTAAGCGTCGCAA	110
<i>Prunus avium</i>	XM_021962523.1	Protein GIGANTEA isoform X3	TCTGCATTTCTGCGTGCAA	ACCCAAAGGCTCATGCTGAA	163
<i>Prunus avium</i>	XM_021952030.1	Probable ADP-ribosylation factor GTPase-activating protein AGD14 isoform X2	GCTGTCCAGTCGAAGCTGAT	TGGAATGTGCTCTACCCTT	159
<i>Prunus avium</i>	XM_021954766.1	peptidyl-prolyl cis-trans isomerase CYP21-1	GACCTGATTCCAATGGCTCACAGT	CAGTGTCCATGCCCTGAATTACCT	105
<i>Prunus avium</i>	XM_021947600.1	Splicing factor 3B subunit 1	TGAGTTTGTTCAGCGAGGGAATG	GGTTCTGACGTTCTGCACTTTGA	185
<i>Prunus avium</i>	XM_021976055.1	Actin-7	ATGTGTTGAGGTGGGGTCAGTGAA	AAGATTAGGCAAGGCGAGGATGGA	160

Supplementary Table S2. DNA quantification in *Prunus avium* samples inoculated with different Pss strains. DNA quantification of Pss and *Prunus avium* was performed in three local and distal samples from twigs inoculated with mock control and 11116_b1, A1M197, and A1M3 Pss strains. Mean Cq value (performed in duplicate at least) and DNA concentrations are shown for each sample. Pss DNA presents the ratio between DNA quantification of Pss and *Prunus avium* in each biological replicate. ND, not detected; -, not determined. C+ Pss, purified A1M3 strain DNA; C+ *P. avium*, purified DNA from sweet cherry twig. C-, sterile water.

Sample	Treatment	Replicate	Pss DNA detection		<i>Prunus avium</i> DNA detection		Pss DNA (ng/ng)	Mean Pss DNA (ng/ng)
			Cq	DNA (ng/ μ L)	Cq	DNA (ng/ μ L)		
Local to the wound	Mock	R1	ND	0	23.3	5.1×10^{-2}	0	8.4×10^{-7}
		R2	35.65	2.1×10^{-7}	22.8	8.3×10^{-2}	2.6×10^{-6}	
		R3	ND	0	23.8	3.3×10^{-2}	0	
	11116_b1	R1	33.0	1.3×10^{-6}	24.2	2.3×10^{-2}	5.9×10^{-5}	5.7×10^{-5}
		R2	33.6	8.7×10^{-7}	24.0	2.8×10^{-2}	3.2×10^{-5}	
		R3	33.5	9.4×10^{-7}	24.9	1.1×10^{-2}	8.4×10^{-5}	
	A1M197	R1	30.8	6.4×10^{-6}	23.4	4.7×10^{-2}	1.4×10^{-4}	4.0×10^{-4}
		R2	32.3	2.3×10^{-6}	23.4	4.8×10^{-2}	4.7×10^{-5}	
		R3	28.8	2.6×10^{-5}	24.1	2.5×10^{-2}	1.1×10^{-3}	
	A1M3	R1	35.7	2.0×10^{-7}	23.3	4.9×10^{-2}	4.1×10^{-6}	8.8×10^{-6}
		R2	33.9	7.5×10^{-7}	22.7	8.9×10^{-2}	8.4×10^{-6}	
		R3	33.3	1.1×10^{-6}	22.8	7.9×10^{-2}	1.4×10^{-5}	
Distal to the wound	Mock	R1	ND	0	30.7	5.4×10^{-5}	0	0
		R2	ND	0	30.6	6.1×10^{-5}	0	
		R3	ND	0	29.6	1.6×10^{-4}	0	
	11116_b1	R1	ND	0	28.2	5.8×10^{-4}	0	0
		R2	ND	0	29.5	1.7×10^{-4}	0	
		R3	ND	0	29.9	1.1×10^{-4}	0	
	A1M197	R1	35.6	2.2×10^{-7}	28.4	4.8×10^{-4}	4.7×10^{-4}	1.5×10^{-4}
		R2	ND	0	29.5	1.7×10^{-4}	0	
		R3	ND	0	28.2	5.8×10^{-4}	0	
	A1M3	R1	ND	0	27.8	8.3×10^{-4}	0	4.7×10^{-1}
		R2	ND	0	29.2	2.2×10^{-4}	0	
		R3	24.8	4.2×10^{-4}	28.9	3.1×10^{-4}	1.4	
	C+ Pss		15.2	3.3×10^{-1}	-	-	-	-
	C+ <i>P. avium</i>		-	-	28.7	3.5×10^{-4}	-	-
	C-		ND	0	ND	0	-	-