

1 Table S1: Strains, plasmids and primers used in this study

Designation	Relevant characteristics or sequences (5' to 3') ^a	Reference or source
Strains		
<i>Erwinia amylovora</i> 273	Wild type strain of <i>Erwinia amylovora</i> 273 isolated from apple orchards of New York	(1)
<i>Agrobacterium tumefaciens</i> GV3101	Wild type, Rif ^r Gm ^r	(2)
Plasmids		
pPROBE-AT	Long life GFP Promoter-probe vector, Ap ^r	(3)
pPROBE-gfp[AAV]	Short life GFP Promoter-probe vector, Km ^r	(3)
pCPP5247	pLN314 expressing HopQ1, Cm ^r	(2)
phrpA	pPROBE-gfp[AAV] derivative with PCR fragment containing <i>hrpA</i> promoter, Km ^r	This study
phrpL	pPROBE-AT derivative with PCR fragment containing <i>hrpL</i> promoter, Km ^r	This study
phrpS	pPROBE-AT derivative with PCR fragment containing <i>hrpS</i> promoter, Ap ^r	This study
Primers		
Promoter cloning		
<i>hrpA</i> forward	ATATGGATCCCGATAAAGAGCAGCGTAG	This study
<i>hrpA</i> reverse	ATTAGAATTCCTTAGACGCCTGAGCATTG	This study
<i>hrpL</i> forward	ATATGGATCCAATATGTTGCTGCGCTCGG	This study
<i>hrpL</i> reverse	ATTAGAA TTC AAATGATGCACGCGTCG	This study
<i>hrpS</i> forward	ATATGGATCCTTGTGGAGTGTAACCGC	This study
<i>hrpS</i> reverse	ATTAGAATTC AACC GCGACCAATTTCC	This study
Northern blot		
<i>hrpA</i> forward	GCGGCATTATTACAGGTATGGC	This study

<i>hrpA</i> reverse	GA <u>ACT</u> GAATAGCTTTAGCCGCG	This study
<i>hrpL</i> forward	GTCAACGATGGGCTACCGC	This study
<i>hrpL</i> reverse	CTGTTTCAGCGTGACGCG	This study
<i>hrpN</i> forward	AGTCTGAATACAAGTGGGCTGGG	This study
<i>hrpN</i> reverse	CGCCCAGCTTGCCAA	This study
<i>rsmB_{Ea}</i> forward	TGCTCCCTGCTCATCCTTGA	This study
<i>rsmB_{Ea}</i> reverse	CAGGAAGAGGTCAGGAACATCTCCAGG	This study
<i>rsmA_{Ea}</i> forward	TCGTTCGAGTTGGTGAAACCC	This study
<i>rsmA_{Ea}</i> reverse	GTA <u>ACT</u> CGTTTGCTGCGTCT	This study
qPCR		
<i>rplU</i> forward	ACAACACCGAGTAAGCGAAGGTCA	This study
<i>rplU</i> reverse	GCTTTAATCACGCCGCCTGAAACT	This study
<i>hrpS</i> forward	ATATGCGTGTCATTGTTCGCAACGC	This study
<i>hrpS</i> reverse	CGCCCGTAAAGGTTGCAGTTGAAT	This study
<i>rpoN</i> forward	TGGTGAAAAAGTTAGTCTCGG	This study
<i>rpoN</i> reverse	CTGTTTACGCTGATTCGATG	This study
<i>hrpX</i> forward	GAGCCGCTCAAATTGCTCGAGTTT	This study
<i>hrpX</i> reverse	ATCATTGCGATAGCCCAACATGCG	This study
<i>hrpY</i> forward	GACCCGGAGACGTTGCTGGC	This study
<i>hrpY</i> reverse	AACCCCTCTGCCACGCGCTA	This study

2 ^aUnderlined bases indicate restriction sites in the primers. Ap^r, Cm^r, Gm^r, Km^r and Rif^r indicate
3 ampicillin, chloramphenicol, gentamycin, kanamycin and rifampicin resistance respectively.

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5 Supplementary References:

- 6 1) **Bogdanove, A. J., J. F. Kim, Z. Wei, P. Kolchinsky, A. O. Charkowski, A. K. Conlin,**
7 **A. Collmer, and S. V. Beer.** 1998. Homology and functional similarity of an *hrp*-linked
8 pathogenicity locus, *dspEF*, of *Erwinia amylovora* and the avirulence locus *avrE* of
9 *Pseudomonas syringae* pv *tomato*. Proc. Natl. Acad. Sci. U.S.A. **95**:1325-1330.

- 10 2) **Badel, J. L., R. Shimizu, H. S. Oh, and A. Collmer.** 2006. A *Pseudomonas syringae*
11 *pv. tomato avrE1/hopM1* mutant is severely reduced in growth and lesion formation in
12 tomato. *Mol. Plant-Microbe Interact.* **19**:99-111.
- 13 3) **Miller, W. G., J. H. Leveau, and S. E. Lindow.** 2000. Improved *gfp* and *inaZ* broad-
14 host-range promoter-probe vectors. *Mol. Plant-Microbe Interact.* **13**:1243-1250.
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