

Supplemental Material

Table S1 Strains and plasmids used

Strain or plasmid	Relevant characteristic(s)	Reference
Strains		
<i>Pst</i> DC3000	<i>Pseudomonas syringae</i> pv. <i>tomato</i> DC3000, wild type	(1)
<i>Pst</i> DC3000 Δ <i>algU</i>	Δ <i>algU</i>	(2)
<i>Pst</i> DC3000 Δ <i>algUmucAB</i>	Δ <i>algUmucAB</i>	(2)
<i>Pst</i> DC3000 D36E	<i>Pst</i> DC3000 with all 36 known virulence effector genes deleted	(3)
<i>Pst</i> DC3000 D36E Δ <i>fliC</i>	Effector polymutant with <i>fliC</i> deleted	(4)
<i>Pst</i> DC3000 D36E Δ <i>algUmucAB</i>	Effector polymutant with <i>algUmucAB</i> deleted	This work
<i>Pst</i> DC3000 D36E Δ <i>algUmucAB</i> Δ <i>fliC</i>	Effector polymutant with <i>algUmucAB</i> and <i>fliC</i> deleted	This work
<i>Agrobacterium</i> <i>tumefaciens</i> GV2260	VIGS vector delivery strain	(5)
<i>Pst</i> DC3000 Δ <i>hopQ1-1</i>	<i>hopQ1-1</i> effector gene deletion renders <i>Pst</i> DC3000 pathogenic on <i>N. benthamiana</i>	(6)
<i>Pst</i> DC3000 Δ <i>hopQ1-1</i> Δ <i>fliC</i>	Δ <i>hopQ1-1</i> Δ <i>fliC</i>	(6)
<i>Pst</i> DC3000 Δ <i>hopQ1-1</i> Δ <i>algUmucAB</i>	Δ <i>hopQ1-1</i> Δ <i>algUmucAB</i>	This work

<i>Pst</i> DC3000 Δ hopQ1-1	Δ hopQ1-1 Δ algUmucAB Δ fliC	This work
Δ algUmucAB Δ fliC		
<i>Pst</i> DC3000 Δ hrcQ-U	Non-pathogenic, Type three secretion system deficient <i>Pst</i> DC3000	(7)
<i>Pst</i> DC3000 Δ hrcQ-U Δ fliC	Δ hrcQ-U Δ fliC	(8)
<i>Pst</i> DC3000 Δ hrcQ-U	Δ hrcQ-U Δ algUmucAB	This work
Δ algUmucAB		
<i>Pst</i> DC3000 Δ hrcQ-U	Δ hrcQ-U Δ algUmucAB Δ fliC	This work
Δ algUmucAB Δ fliC		
<i>Pst</i> DC3000 Δ hopQ1-1	Δ avrPto Δ avrPtoB mutants are unable to suppress flagellin activated PTI	(6)
Δ avrPto Δ avrPtoB		
<i>Pst</i> DC3000 Δ hopQ1-1	Δ hopQ1-1 Δ avrPto Δ avrPtoB Δ fliC	(6)
Δ avrPto Δ avrPtoB Δ fliC		
<i>Pst</i> DC3000 Δ hopQ1-1	Δ hopQ1-1 Δ avrPto Δ avrPtoB Δ algUmucAB	This work
Δ avrPto Δ avrPtoB		
Δ algUmucAB		
<i>Pst</i> DC3000 Δ hopQ1-1	Δ hopQ1-1 Δ avrPto Δ avrPtoB Δ algUmucAB	This work
Δ avrPto Δ avrPtoB	Δ fliC	
Δ algUmucAB Δ fliC		
Plasmids		
pJN105	P _{BAD} ::empty; Gm ^r	(9)
pEM53	P _{BAD} ::algU; Gm ^r	(9)
pTRV1	VIGS destination vector	(5)
pQ11-EC1	VIGS control vector	(5)

pTRV2-FLS2	FLS2 silencing construct	(5)
pZB28	pK18mobsacB/ Δ <i>algUmucAB</i>	(2)
pME6010- <i>fliC</i>	<i>fliC</i> expressed from its native promoter; Tc ^r	(10)

Table S2. Oligonucleotide primers used in qRT-PCR

No.	Sequence	Description
381	CCGCAAGGTGATTATCTCAGC	<i>gap-1</i> Fwd
382	TGGAGATGATCTGGTGCGACT	<i>gap-1</i> Rev
6868	CCAGACAATGGCGATCAA	PSPTO_1949 (<i>fliC</i>) Fwd
6869	TACGCTGCAGAATGTTGG	PSPTO_1949 (<i>fliC</i>) Rev
6980	GAACATGCCGAACATGGA	PSPTO_915 Fwd
6981	CGATTCCTGAGACTCGGT	PSPTO_915 Rev
6982	AAATCACGGACAAGCTGAC	PSPTO_1925 Fwd
6983	ACACGGTTGCTGTCTACTA	PSPTO_1925 Rev
6984	AACAGCCGCCATATCGAA	PSPTO_1933 Fwd
6985	AGTCAACGGTGTTCTGGT	PSPTO_1933 Rev
6986	CGCTAAAGATCACGAGGTTG	PSPTO_1979 Fwd
6987	AGGTCGTCGAAACTGAAGA	PSPTO_1979 Rev
6988	CTTCCTGTACTGATGGTTACTG	PSPTO_1980 Fwd
6989	CCGTGAATGGCTTGACTAC	PSPTO_1980 Rev
6990	TATCGAAACGCCGAAGA	PSPTO_1982 Fwd
6991	GGAAATCGACAGCAGGATATG	PSPTO_1982 Rev
6992	ATCCGAACGAGATCAAATGG	PSPTO_1987 Fwd
6993	CTCTGCAACATCCAGCAA	PSPTO_1987 Rev

6994	GGTTTACTTGCGTCAGTCC	PSPTO_1988 Fwd
6995	CAGTTCGCCGTTCTTGTT	PSPTO_1988 Rev

References

1. Buell CR, Joardar V, Lindeberg M, Selengut J, Paulsen IT, Gwinn ML, Dodson RJ, Deboy RT, Durkin AS, Kolonay JF, Madupu R, Daugherty S, Brinkac L, Beanan MJ, Haft DH, Nelson WC, Davidsen T, Zafar N, Zhou LW, Liu J, Yuan QP, Khouri H, Fedorova N, Tran B, Russell D, Berry K, Utterback T, Van Aken SE, Feldblyum TV, D'Ascenzo M, Deng WL, Ramos AR, Alfano JR, Cartinhour S, Chatterjee AK, Delaney TP, Lazarowitz SG, Martin GB, Schneider DJ, Tang XY, Bender CL, White O, Fraser CM, Collmer A. 2003. The complete genome sequence of the Arabidopsis and tomato pathogen *Pseudomonas syringae* pv. tomato DC3000. *Proceedings of the National Academy of Sciences of the United States of America* 100:10181-10186.
2. Markel E, Stodghill P, Bao Z, Myers CR, Swingle B. 2016. AlgU controls expression of virulence genes in *Pseudomonas syringae* pv. tomato DC3000. *J Bacteriol* 198:2330-2344.
3. Wei HL, Chakravarthy S, Mathieu J, Helmann TC, Stodghill P, Swingle B, Martin GB, Collmer A. 2015. *Pseudomonas syringae* pv. tomato DC3000 Type III Secretion Effector Polymutants Reveal an Interplay between HopAD1 and AvrPtoB. *Cell Host Microbe* 17:752-762.
4. Wei HL, Zhang W, Collmer A. 2018. Modular Study of the Type III Effector Repertoire in *Pseudomonas syringae* pv. tomato DC3000 Reveals a Matrix of Effector Interplay in Pathogenesis. *Cell Rep* 23:1630-1638.

5. Rosli HG, Zheng Y, Pombo MA, Zhong S, Bombarely A, Fei Z, Collmer A, Martin GB. 2013. Transcriptomics-based screen for genes induced by flagellin and repressed by pathogen effectors identifies a cell wall-associated kinase involved in plant immunity. *Genome Biol* 14:R139.
6. Kvitko BH, Park DH, Velasquez AC, Wei CF, Russell AB, Martin GB, Schneider DJ, Collmer A. 2009. Deletions in the repertoire of *Pseudomonas syringae* pv. tomato DC3000 type III secretion effector genes reveal functional overlap among effectors. *PLoS Pathog* 5:e1000388.
7. Badel JL, Shimizu R, Oh HS, Collmer A. 2006. A *Pseudomonas syringae* pv. tomato avrE1/hopM1 mutant is severely reduced in growth and lesion formation in tomato. *Mol Plant Microbe Interact* 19:99-111.
8. Wei H-I, Chakravarthy S, Worley JN, Collmer A. 2013. Consequences of flagellin export through the type III secretion system of *Pseudomonas syringae* reveal a major difference in the innate immune systems of mammals and the model plant *Nicotiana benthamiana*. *Cellular microbiology* 15:601-618.
9. Clarke CR, Hayes BW, Runde BJ, Markel E, Swingle BM, Vinatzer BA. 2016. Comparative genomics of *Pseudomonas syringae* pathovar tomato reveals novel chemotaxis pathways associated with motility and plant pathogenicity. *PeerJ* 4:e2570.
10. Clarke CR, Chinchilla D, Hind SR, Taguchi F, Miki R, Ichinose Y, Martin GB, Leman S, Felix G, Vinatzer BA. 2013. Allelic variation in two distinct *Pseudomonas syringae* flagellin epitopes modulates the strength of plant immune responses but not bacterial motility. *New Phytologist* 200:847-860.