

**Table S1.** Relevant bacterial strains and plasmids used in this study.

Abbreviated name	Collection name/Main features <sup>a</sup>	Reference or source
<b><i>Escherichia coli</i></b>		
NEB10β	Δ( <i>mrr-hsdRMS-mcrB</i> ) <i>deoR recA1 endA1 araD139</i> Δ( <i>ara, leu</i> )7697 <i>galU galK λ<sup>-</sup> rpsL nupG</i>	(Grant et al., 1990)
<b><i>P. syringae</i> pv. <i>savastanoi</i></b>		
WT	NCPPB 3335; pathotype strain, isolated from a diseased olive tree; contains three native plasmids (pPsv48A, pPsv48B and pPsv48C)	NCPPB <sup>b</sup>
Psv48ΔA	NCPPB 3335 cured of pPsv48A	(Bardaji et al., 2011)
Psv48ΔAB	NCPPB 3335 cured of pPsv48A and pPsv48B	(Bardaji et al., 2011)
FAM-098	Derivative of NCPPB 3335 containing miniTn5Km2 inserted in gene PSA3335_RS01855; arginine auxotroph, Km <sup>R</sup>	(Matas et al., 2012)
ΔABC	UPN912; plasmidless derivative of strain NCPPB 3335	(Añorga et al., 2020)
ΔABCTc	UPN1265; derivative of UPN912, contains a deletion of 223 nt (positions 1216031..1216253 in accession no. NZ_CP008742) replaced by the Tc <sup>R</sup> cassette from pHP45Ω-Tc	This work
<b>Plasmids</b>		
pA	Virulence plasmid pPsv48A of NCPPB 3335 (accession n° FR820585); 80.1 kb	(Bardaji et al., 2011)
pA::Tn5-GDYN1	Plasmid pPsv48A tagged with Tn5-GDYN1 at position 1469; Km <sup>R</sup> , Gm <sup>R</sup> , Sm <sup>R</sup> , Sp <sup>R</sup> , Suc <sup>S</sup>	(Bardaji et al., 2011)
pB	Virulence plasmid pPsv48B of NCPPB 3335 (accession n° FR820586); 45.2 kb	(Bardaji et al., 2011)
pB( <i>virB4</i> ::Km- <i>sacB</i> )	pPsv48B containing the Km <sup>R</sup> - <i>sacB</i> cassette from pK18 <i>mobsacB</i> inserted in position 19043..20180, causing a deletion of 1138 nt of the 3' end of gene <i>virB4</i> ; Km <sup>R</sup> , Suc <sup>S</sup>	This work
pB::Tn5-GDYN1	pPsv48B tagged with Tn5-GDYN1 at position 8449; Km <sup>R</sup> , Gm <sup>R</sup> , Sm <sup>R</sup> , Sp <sup>R</sup> , Suc <sup>S</sup>	(Bardaji et al., 2011)
pC	Virulence plasmid pPsv48C of NCPPB 3335 (accession n° FR820587); 42.1 kb	(Bardaji et al., 2011)
pB( <i>mobB</i> ::Gm)	pPsv48B containing the Gm <sup>R</sup> cassette from pJQ200SK inserted in position 38644..40842, causing a deletion of 2199 nt of gene <i>mobB</i> ; Gm <sup>R</sup>	This work

pC::Tn5-GDYN1	pPsv48C tagged with Tn5-GDYN1 inserted at position 37036; Km <sup>R</sup> , Gm <sup>R</sup> , Sm <sup>R</sup> , Sp <sup>R</sup> , Suc <sup>S</sup>	(Bardaji et al., 2019)
pC::sacB	pPsv48C containing the Km <sup>R</sup> -sacB cassette from pK18mobsacB at position 26916; Km <sup>R</sup> , Suc <sup>S</sup>	(Bardaji et al., 2019)
pC(mobB::Km)	pPsv48C containing the Km <sup>R</sup> cassette from pK18mobsacB inserted in position 22259..24406, causing a deletion of 2148 nt of gene <i>mobB</i> ; Km <sup>R</sup> .	This work
pC(traA::Sp)	pPsv48C containing the Sp <sup>R</sup> cassette from pHP45Ω inserted in position 38118..38574, causing a deletion of 457 nt of gene <i>traA</i> ; Sp <sup>R</sup>	This work
pDR1	Delivery vector for Tn5-GDYN1	(Flores et al., 1993)
pK18mobsacB	Mobilizable cloning vector, confers sucrose-dependent lethality; Km <sup>R</sup> , Suc <sup>S</sup>	(Schäfer et al., 1994)
pJQ200SK	Mobilizable cloning vector, confers sucrose-dependent lethality; Gm <sup>R</sup> , Suc <sup>S</sup>	(Quandt and Hynes, 1993)
pHP45Ω	Source of cassette Spc <sup>R</sup>	(Prentki and Krisch, 1984)
pHP45Ω-Tc	Source of cassette Tc <sup>R</sup>	(Fellay et al., 1987)
pKMAG	<i>E. coli</i> vector derived from pK184; 2.6 kb, Km <sup>R</sup> ; accession no. KX714576	(Bardaji et al., 2017)
pKMAGJ	pKMAG with the complete RepJ replicon from pPsv48C (coordinates 29310..31173); replicates in <i>E. coli</i> and <i>Pseudomonas</i> ; Km <sup>R</sup>	This work
pKMAGJ-oriTB	pKMAGJ derivative containing a 221 nt <i>oriT</i> amplicon from plasmid pB (coordinates 37837..38057); Km <sup>R</sup>	This work
pKMAGJ-oriTC	pKMAGJ derivative containing a 220 nt <i>oriT</i> amplicon from plasmid pC (coordinates 21047..21266); Km <sup>R</sup>	This work

<sup>a</sup> Gm, gentamicin; Km, kanamycin; Sm, streptomycin; Sp, spectinomycin; Suc<sup>S</sup>, lethality in the presence of 5 % sucrose; Tc, tetracycline.

<sup>b</sup> NCPPB, National collection of Plant Pathogenic bacteria, York, United Kingdom.

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