

Supplementary Table 1. Bacterial strains, plasmids and primers used

Strain, plasmid and primers	Relevant characteristics or sequence	Reference
<i>Escherichia coli</i> strain		
DH5 α	F ⁻ <i>recA1</i> Δ (<i>lacZYA-argF</i>) <i>U169 hsdR17 thi-1 gyrA66 supE44 endA1 relA1</i> ϕ 80 <i>dlac</i> Δ (<i>lacZ</i>) <i>M15</i>	Sambrook et al. (1989)
HB101	F ⁻ <i>thi-1 hsdS20 (rB⁻, mB⁻) supE44 recA13 ara-14 leuB6 proA2 lacY1 galK2 rpsL20 (strr) xyl-5 mtl-1</i>	Boyer and Roulland-Dussoix (1969)
<i>Ralstonia solanacearum</i> strains		
SL341	Wild-type, isolated from tomato plants, Race 1, Biovar 4	Jeong et al. (2007)
SL341P4	<i>NDP-sugar epimerase::Tn5</i> (Kan ^R)	This study
SL341P4C6	<i>NDP-sugar epimerase::Tn5</i> carrying pTDP415 (Kan ^R , Tc ^R)	
SL341P4V2	<i>NDP-sugar epimerase::Tn5</i> carrying pRK415 (Kan ^R , Tc ^R)	
Plasmids		
pUC119	Ap ^R ; cloning vector	Vieira and Messing (1987)
pGEM-T Easy	Ap ^R ; T/A cloning vector	Promega
pF2R2	Ap ^R ; pGEM-T Easy carry a 2-kb fragment containing <i>NDP-sugar epimerase</i> of <i>R. solanacearum</i> SL341	This study
pRK2013	Km ^R ; mobilization helper plasmid for triparental mating	Figurski and Helinski (1979)
pRK415	Tc ^R ; RK2-derived broad host range cloning vector	Keen et al. (1988)
pTDP415	Tc ^R ; pRK415 carrying a 2-kb <i>NotI</i> fragment of pF2R2 containing <i>NDP-sugar epimerase</i> of <i>R. solanacearum</i> SL341	This study
Primers		
KAN-2_FP-1	5'-ACCTACAACAAAGCTCTCATCAACC-3'	Epicentre
KAN-2_RP-1	5'-GCAATGTAACATCAGAGATTTTGAG-3'	
453F2	5'-ATTGATTCGGCACGCCTGCCG-3'	This study
453R2	5'-ATCAGCTGGCCTCTGCGGTGGC-3'	

Kan^R, chromosomal kanamycin resistance; Ap^R, ampicillin resistance; Tc^R, tetracycline resistance; Km^R, kanamycin resistance.

References

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