

Table 3. Plasmids and strains used in this study

Plasmid	Description	Source
pJLB12A	pOK12 + P _{flaB} :: <i>kan</i> , Kan ^r	1
pJSTJNK	pJSTJN + P _{flaB} :: <i>kan</i> , Kan ^r	2
pMFxnad1	pBSV2G + <i>pncA</i> , Gm ^r	This study
pMFp54nad	pMFxnad1 + <i>ntrA</i> , Gm ^r	This study
pKFSS1	pBSV2 ΔP _{flgB} :: <i>kan</i> + P _{flgB} :: <i>aadA</i> , Sm ^r	3
pMFS+	pMFxnad1 Δ(<i>pncA</i> , P _{flgB} :: <i>aacC1</i>) + P _{flgB} :: <i>aadA</i> , Sm ^r	This study
pMFSp54	pMFp54nad Δ(<i>pncA</i> , P _{flgB} :: <i>aacC1</i>) + P _{flgB} :: <i>aadA</i> , Sm ^r	This study
lp25::P _{flaB} - <i>aacC1</i>	A3 lp25 <i>bbe05</i> ::(P _{flaB} :: <i>aacC1</i>), Gm ^r	4
Strain		
B31-A3	Clonal derivative of B31	5
A3 <i>ntrA</i>	B31-A3 <i>ntrA</i> ::(P _{flaB} :: <i>kan</i>)	This study
A3 <i>rpoS</i>	B31-A3 <i>rpoS</i> ::(P _{flaB} :: <i>kan</i>)	5
A3-Gm	B31-A3 (lp25::P _{flaB} - <i>aacC1</i>)	This study
A3 <i>ntrA</i> -Gm	A3 <i>ntrA</i> (lp25::P _{flaB} - <i>aacC1</i>)	This study
<i>ntrA</i> -comp	A3 <i>ntrA</i> -Gm (pMFSp54)	This study
<i>ntrA</i> -VC	A3 <i>ntrA</i> -Gm (pMFS+)	This study

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