

Title: PhlG mediates the conversion of DAPG to MAPG in *Pseudomonas fluorescens* 2P24

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Table S1 The bacterial strains and plasmids used in this study

Strains or plasmids	Characteristics	Source
Strains		
<i>P. fluorescens</i> 2P24	Wild-type, Ap ^r	Wei et al., 2005
<i>E. Coli</i> DH5α	F- recA1 endA1 hsdR17 deoR thi-1 supE44 gyrA96 relA1Δ (lacZYA-argF)U169λ-(Φ80dlacZ Δ M15)	Stratagene, La Jolla, CA
PM901	Derivative of <i>P. fluorescens</i> 2P24, <i>phlA-lacZ</i> reporter fusion, Ap ^r	Zhou et al., 2010
2P24-ΔG	<i>phlG</i> deletion mutant, Ap ^r	This study
2P24-G	2P24-ΔG with plasmid p415- <i>phlG</i> , Ap ^r , Tc ^r	This study
2P24-LacZ-G	Derivative of <i>P. fluorescens</i> 2P24, <i>phlG-lacZ</i> reporter fusion, Ap ^r	This study
2P24-LacZ-G-ΔGacS	<i>GacS</i> deletion mutant, Ap ^r	This study
2P24-LacZ-G-ΔRsmE	<i>RsmE</i> deletion mutant, Ap ^r	This study
PM901-G	PM901-ΔG with plasmid p415- <i>phlG</i> , Ap ^r , Tc ^r	This study
CPF-10	Wild-type, Sm ^r , Ap ^r	Wu et al., 2012
S-16	Wild-type, Sm ^r	Wu et al., 2012
<i>Rhizoctonia solani</i>	Causing cotton damping-off	This study
Plasmids		
pHSG299	Suicide plasmid for <i>Pseudomonas</i> spp., used for homologous recombination, Km ^r	TaKaRa
pHSG399	Suicide plasmid for <i>Pseudomonas</i> spp., used for homologous recombination, Cm ^r	TaKaRa
pRK415	Broad-host-rang cloning vector; IncP1 replicon; polylinker of pUC19; Mob+ ; Tet ^r	Keen, <i>et al.</i>
P415- <i>phlG</i>	pRK415 containing intact <i>phlG</i> gene, Tc ^r	This study
p299-Δ <i>phlG</i>	pHSG299 containing <i>phlG</i> deletion structure, Km ^r	This study
pSR47sΔ <i>GacS</i>	pSR47s containing <i>GacS</i> deletion structure, Km ^r	Wei et al., 2004
pBSKm Δ <i>RsmE</i>	pBSKm containing <i>RsmE</i> deletion structure, Kmr	Liu et al., 2011

Note: Km^r, Cm^r, Tc^r, Sm^r and Ap^r indicate resistance to ampicillin, kanamycin, chloramphenicol and tetracycline