

Supplementary material:

Table 1: The types of bacterial endophytes (putative) isolated from *Gynura procumbens* leaves; bacterial endophytes were identified based on analysis of PCR amplified 16S ribosomal DNA (rDNA) sequence

Clone ID	Name of endophyte	Source	Length of analyzed 16S rDNA (bp)	GenBank accession number
Gpe1	<i>Pseudomonas resinovorans</i>	Leaf tissue	707	HM104471
Gpe2	<i>Paenibacillus polymyxa</i>	Leaf tissue	725	HM104472
Gpe3	<i>Acinetobacter calcoaceticus</i>	Leaf tissue	708	HM104473

Table 2: The source and geographical locations of *Pseudomonas resinovorans*, *Paenibacillus polymyxa*, and *Acinetobacter calcoaceticus* strains used in dendrogram construction.

Strain	Source	Reported from (Country)	16S rDNA length(bp) compared	16S rDNA Accession No
<i>Pseudomonas resinovorans</i> strain AIMST Gpe1	<i>Gynura procumbens</i> Leaf tissue	Malaysia	707	HM104471
<i>P. resinovorans</i> strain P-1	Enriched mixed cultures	Taiwan	1390	EU497964
<i>P. resinovorans</i> strain B84	Turf grass rhizosphere soil	China	900	DQ335102
<i>P. resinovorans</i> strain ATCC 14235T	Unknown	Japan	1507	AB021373
<i>P. resinovorans</i> strain LAM 9	Contaminated soil	Italy	1452	EU019983
<i>P. resinovorans</i> strain LMG 2274	Culture collection	USA	1465	NR_026534
<i>P. resinovorans</i> strain mol11	soil	Korea	740	HM031472
<i>Paenibacillus polymyxa</i> strain AIMST Gpe2	<i>Gynura procumbens</i> Leaf tissue	Malaysia	725	HM104472
<i>P. polymyxa</i> strain YRL13	Young radish	Korea	1522	EU373421
<i>P. polymyxa</i> strain 12170504	Sugar beet field	China	885	EU563233
<i>P. polymyxa</i> strain Jaas cd	Cotton	China	1436	AY942618
<i>P. polymyxa</i> strain ISSDS-852	Agricultural soil	Italy	1484	EF634025
<i>P. polymyxa</i> strain isolate TN103	Averno lake sediment	Italy	1421	EU362613
<i>P. polymyxa</i> strain 1851	Soil	China	1442	EU982546
<i>P. polymyxa</i> strain GBR-602	Ginseng	Korea	1441	AY359631
<i>Acinetobacter calcoaceticus</i> strain AIMST Gpe3	<i>Gynura procumbens</i> Leaf tissue	Malaysia	708	HM104473
<i>A. calcoaceticus</i> strain PUCM1011	Soil	India	1422	FJ816058
<i>A. calcoaceticus</i> strain LCR102	Paddy field soil	India	1391	FJ976611
<i>A. calcoaceticus</i>	Paddy field soil	India	1383	FJ976599
<i>A. calcoaceticus</i> strain BA60	<i>Homo sapiens</i> blood culture	China	1334	FJ263920
<i>A. calcoaceticus</i> strain HIRFA36	Rhizosphere of Wheat	India	1471	EU921468
<i>A. calcoaceticus</i> strain HIRFA33	Rhizosphere of Wheat	India	1471	EU921466
<i>A. calcoaceticus</i>	Offshore oil field	China	1447	DQ187381