

Supplementary Table 1: List of endophytic bacteria isolated in this study and closest relatives in gene bank

Isolate code	Plant part	Name of source plant	Closest relative	Accession no.	% similarity
B01	Stem	<i>Solanum incanum</i>	<i>Bacillus cereus</i>	OK284403	100
B02	Root	<i>Abutilon fruticosum</i>	<i>Bacillus subtilis</i>	OK284374	99.78
B03	Leaves	<i>Boerhavia erecta</i>	<i>Bacillus haynesii</i>	OK284378	99.7
B04	Stem	<i>Solanum incanum</i>	<i>Bacillus cereus</i>	OK284402	100
B07	Root	<i>Solanum incanum</i>	<i>Bacillus subtilis</i>	OK284377	99.79
B08	Root	<i>Tephrosia uniflora</i>	<i>Pseudomonas aeruginosa</i>	OK284401	99.92
B11	Leaves	<i>Boerhavia erecta</i>	<i>Bacillus subtilis</i> subsp. <i>speizizenii</i>	OK284400	100
B13	Leaves	<i>Acalypha fruticosa</i>	<i>Bacillus cereus</i>	OK284375	99.57
B14	Leaves	<i>Acalypha fruticosa</i>	<i>Pseudomonas luteola</i>	OK284376	99.77
B16	Stem	<i>Rhynchosia Spp.</i>	<i>Pseudomonas aeruginosa</i>	OK284399	100
B19	Root	<i>Abutilon fruticosum</i>	<i>Enterobacter hormaechei</i> subsp. <i>Xiangfangensis</i>	OK284398	99.85
B20	Seed	<i>Prosopis juliflora</i>	<i>Bacillus subtilis</i>	OK284397	100
B21	Stem	<i>Rhynchosia Spp.</i>	<i>Pseudomonas aeruginosa</i>	OK284381	99.33
B22	Stem	<i>Acalypha fruticosa</i>	<i>Bacillus subtilis</i>	OK284396	99.92
B23	Stem	<i>Tephrosia uniflora</i>	<i>Bacillus australimaris</i>	OK284386	100
B30	Leaves	<i>Solanum incanum</i>	<i>Bacillus australimaris</i>	OK284384	99.78
B31	Leaves	<i>Solanum incanum</i>	<i>Bacillus haynesii</i>	OK284385	99.79
B32	Leaves	<i>Acalypha fruticosa</i>	<i>Bacillus velezensis</i>	OK284406	98.87
B44	Root	<i>Abutilon fruticosum</i>	<i>Bacillus subtilis</i>	OK284391	99.85
B52	Stem	<i>Abutilon fruticosum</i>	<i>Bacillus velezensis</i>	OK284404	100
B35	Stem	<i>Solanum incanum</i>	<i>Bacillus velezensis</i>	OK284389	99.87
B36	Leaves	<i>Boerhavia erecta</i>	<i>Micrococcus terreus</i>	OK284395	99.7
B37	Stem	<i>Ruelia patula</i>	<i>Bacillus tequilensis</i>	OK284394	99.92
B39	Leaves	<i>Solanum incanum</i>	<i>Bacillus aerius</i>	OK284393	99.71
B42	Stem	<i>Ruelia patula</i>	<i>Bacillus paramycoides</i>	OK284392	99.93
B43	Stem	<i>Solanum incanum</i>	<i>Bacillus subtilis</i>	OK284387	100
B46	Root	<i>Rhynchosia Spp.</i>	<i>Bacillus halotolerans</i>	OK284382	98.01
B47	Stem	<i>Boerhavia erecta</i>	<i>Bacillus subtilis</i>	OK284379	99.83
B51	Root	<i>Rhynchosia Spp.</i>	<i>Bacillus velezensis</i>	OK284405	99.88
B53	Leaves	<i>Boerhavia erecta</i>	<i>Bacillus megaterium</i>	OK284388	99.93
B54	Stem	<i>Solanum incanum</i>	<i>Bacillus cereus</i>	OK284383	98.92

B55	Leaves	<i>Tephrosia uniflora</i>	<i>Alkalihalobacillus clausii</i>	OK284380	99.11
B56	Root	<i>Solanum incanum</i>	<i>Pseudomonas aeruginosa</i>	OK284390	99.93