

Supplementary Table 1. Identification of endophytic bacterial isolates based on BLAST search analyses

Generation of seeds	Isolate no.	Dilution	Media	Species based identification	Similarity (%)	Accession no.
	DWB21101	10 ⁻⁴	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
	DWB21102	10 ⁻⁴	TSA	<i>Glutamicibacter nicotianae</i>	99	MF425603
	DWB21103	10 ⁻⁴	TSA	<i>Glutamicibacter nicotianae</i>	99	MF425603
	DWB21104	10 ⁻⁴	TSA	<i>Glutamicibacter nicotianae</i>	99	MF425603
	DWB21105	10 ⁻⁴	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
	DWB21106	10 ⁻⁵	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
	DWB21107	10 ⁻⁵	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
	DWB21108	10 ⁻⁵	TSA	<i>Glutamicibacter nicotianae</i>	99	MF425603
	DWB21109	10 ⁻⁵	TSA	<i>Glutamicibacter nicotianae</i>	99	MF425603
	DWB21110	10 ⁻⁴	TSA	<i>Glutamicibacter mysorens</i>	99	MF480441
	DWB21111	10 ⁻⁴	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
	DWB21112	10 ⁻⁴	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
	DWB21113	10 ⁻⁴	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
	DWB21121	10 ⁻⁴	R2A	<i>Pantoea agglomerans</i>	99	KX951467
	DWB21122	10 ⁻⁴	R2A	<i>Pseudomonas koreensis</i>	99	AY972270
	DWB21123	10 ⁻⁴	R2A	<i>Glutamicibacter nicotianae</i>	99	MF425603
	DWB21124	10 ⁻³	TSA	<i>Glutamicibacter nicotianae</i>	99	MF425603
	DWB21125	10 ⁻³	TSA	<i>Staphylococcus sciuri</i>	98	KY418029
	DWB21126	10 ⁻³	TSA	<i>Glutamicibacter nicotianae</i>	99	MF425603
	DWB21127	10 ⁻³	TSA	<i>Glutamicibacter nicotianae</i>	99	MF425603
	DWB21131	10 ⁻³	TSA	<i>Leucobacter tardus</i>	99	KT887611
	DWB21132	10 ⁻⁵	TSA	<i>Staphylococcus epidermidis</i>	99	KX648542
	DWB21133	10 ⁻⁵	R2A	<i>Intrasporangiaceae bacterium</i>	99	JN637312
1	DWB21134	10 ⁻⁵	R2A	<i>Stenotrophomonas maltophilia</i>	99	EU442189
	DWB21142	10 ⁻⁵	R2A	<i>Sphingomonas</i> sp.	99	MF523846
	DWB21143	10 ⁻⁵	R2A	<i>Arthrobacter</i> sp.	98	MF526317
	DWB21144	10 ⁻⁵	R2A	<i>Staphylococcus sciuri</i>	100	KX966469
	DWB21145	10 ⁻⁵	R2A	<i>Methylobacteriaceae bacterium</i>	99	MF526674
	DWB21153	10 ⁻⁵	LB	<i>Microbacter</i> sp.	99	DQ643150
	DWB21154	10 ⁻⁵	LB	<i>Staphylococcus epidermidis</i>	99	KX170750
	DWB21155	10 ⁻⁵	LB	<i>Bacillus</i> sp.	100	KX170758
	DWB21156	10 ⁻⁵	LB	<i>Nocardioides zeae</i>	99	KX530778
	DWB21160	10 ⁻⁵	LB	<i>Kosakonia</i> sp.	99	MT341776
	DWB21161	10 ⁻⁵	LB	<i>Kosakonia</i> sp.	99	MT341776
	DWB21162	10 ⁻⁵	NA	<i>Kosakonia</i> sp.	99	MT341776
	DWB21163	10 ⁻⁵	NA	<i>Kosakonia</i> sp.	99	MT341776
	DWB21164	10 ⁻⁵	NA	<i>Kosakonia</i> sp.	97	MT341776
	DWB21169	10 ⁻⁴	NA	<i>Kosakonia cowanii</i>	99	KY962921
	DWB21170	10 ⁻⁴	NA	<i>Kosakonia</i> sp.	97	MT341776
	DWB21171	10 ⁻⁴	NA	<i>Microbacterium</i> sp.	99	MT549099
	DWB21172	10 ⁻⁴	NA	<i>Microbacterium</i> sp.	99	KX989082
	DWB21173	10 ⁻⁴	LB	<i>Microbacterium xylanilyticum</i>	99	KP299214
	DWB21174	10 ⁻³	LB	<i>Leucobacter</i> sp.	99	MT327812
	DWB21175	10 ⁻³	LB	<i>Microbacterium testaceum</i>	98	MT192545
	DWB21176	10 ⁻⁵	LB	<i>Microbacterium xylanilyticum</i>	99	KP299214
	DWB21177	10 ⁻⁵	LB	<i>Microbacterium xylanilyticum</i>	99	KP299214

DWB21214	10 ⁻³	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
DWB21215	10 ⁻³	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
DWB21216	10 ⁻³	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
DWB21217	10 ⁻³	TSA	<i>Staphylococcus sciuri</i>	100	KX966469
DWB21218	10 ⁻⁴	TSA	<i>Staphylococcus sciuri</i>	100	KX966469
DWB21219	10 ⁻⁴	TSA	<i>Glutamicibacter nicotianae</i>	99	MF425603
DWB21220	10 ⁻⁵	TSA	<i>Staphylococcus sciuri</i>	99	KP400530
DWB21214	10 ⁻⁴	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
DWB21215	10 ⁻⁴	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
DWB21216	10 ⁻⁴	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
DWB21217	10 ⁻³	TSA	<i>Staphylococcus sciuri</i>	100	KX966469
DWB21218	10 ⁻³	TSA	<i>Staphylococcus sciuri</i>	100	KX966469
DWB21219	10 ⁻³	TSA	<i>Glutamicibacter nicotianae</i>	99	MF425603
DWB21220	10 ⁻³	TSA	<i>Staphylococcus sciuri</i>	99	KP400530
DWB21228	10 ⁻³	TSA	<i>Glutamicibacter nicotianae</i>	99	MF425603
DWB21229	10 ⁻⁵	TSA	<i>Staphylococcus sciuri</i>	99	KX966469
DWB21230	10 ⁻⁵	TSA	<i>Glutamicibacter nicotianae</i>	99	MF425603
DWB21235	10 ⁻⁵	R2A	<i>Stenotrophomonas maltophilia</i>	99	EU442189
DWB21236	10 ⁻⁵	R2A	<i>Kineococcus endophyticus</i>	99	KU984671
DWB21237	10 ⁻⁵	R2A	<i>Glutamicibacter mysorens</i>	99	MF480441
DWB21238	10 ⁻⁵	R2A	<i>Staphylococcus sciuri</i>	99	KX966469
DWB21239	10 ⁻⁵	R2A	<i>Staphylococcus</i> sp.	99	JQ796734
DWB21240	10 ⁻⁴	R2A	<i>Staphylococcus sciuri</i>	99	KX966469
DWB21241	10 ⁻⁴	R2A	<i>Staphylococcus sciuri</i>	99	KX966469
DWB21246	10 ⁻⁴	R2A	<i>Pseudokineococcus</i> sp.	99	KM507619
DWB21247	10 ⁻⁴	R2A	<i>Pseudokineococcus</i> sp.	99	KM507619
DWB21248	10 ⁻⁴	R2A	<i>Marmoricola aquaticus</i>	99	JN615437
DWB21249	10 ⁻³	R2A	<i>Uncultured Sphingomonas</i> sp.	99	KT963728
DWB21250	10 ⁻³	NA	<i>Bacillus</i> sp.	99	MH997525
DWB21251	10 ⁻⁵	LB	<i>Bacillus</i> sp.	99	MH628205
DWB21252	10 ⁻⁵	LB	<i>Bacillus</i> sp.	100	KX170758
DWB21257	10 ⁻³	LB	<i>Roseomonas</i> sp.	98	KF471073
DWB21258	10 ⁻³	LB	<i>Kosakonia</i> sp.	99	MT341776
DWB21259	10 ⁻³	LB	<i>Enterobacter cloacae</i>	99	MT367801
DWB21265	10 ⁻³	LB	<i>Kosakonia</i> sp.	99	MT341776
DWB21266	10 ⁻³	LB	<i>Kosakonia</i> sp.	99	MT341776
DWB21267	10 ⁻⁴	NA	<i>Enterobacter endosymbiont</i>	97	AY753173
DWB21268	10 ⁻⁴	NA	<i>Uncultured bacterium</i>	97	MF114095
DWB21278	10 ⁻⁴	LB	<i>Microbacterium xylanilyticum</i>	99	KP299214
DWB21279	10 ⁻³	LB	<i>Microbacterium xylanilyticum</i>	99	KP299214
DWB21280	10 ⁻³	LB	<i>Microbacterium xylanilyticum</i>	99	KP299214
DWB21281	10 ⁻⁵	LB	<i>Microbacterium xylanilyticum</i>	99	KP299214
DWB21282	10 ⁻⁵	NA	<i>Methylobacterium</i> sp.	99	LC546500
DWB21283	10 ⁻³	NA	<i>Kosakonia</i> sp.	99	MT341776
DWB21284	10 ⁻⁴	NA	<i>Kosakonia cowanii</i>	99	JQ660056
DWB21285	10 ⁻⁴	NA	<i>Kosakonia cowanii</i>	99	MH680719
DWB21286	10 ⁻⁵	NA	<i>Kosakonia</i> sp.	99	MT341776
DWB21287	10 ⁻⁵	NA	<i>Bacillus</i> sp.	100	KX170758