

Supplementary Table 1: Accession numbers of all the *Bradyrhizobium* strains used in this study.

<i>Bradyrhizobium</i> species	Genome	16S rRNA	<i>atpD</i>	<i>dnaK</i>	<i>glnII</i>	<i>gyrB</i>	<i>rpoB</i>	<i>nodA</i>
<i>B. acaciae</i> 19AJ		LR877290	LR877271	LR877285	LR877281	LR877276	LR877263	LR880916
<i>B. acaciae</i> 19AH		LR877291	LR877272	LR877286	LR877282	LR877277	LR877264	LR880917
<i>B. acaciae</i> 16BA no1		LR877292	LR877273	LR877287	LR877283	LR877278	LR877265	LR880918
<i>B. acaciae</i> 10BB ^T	JACMYK000000000	LR877293	LR877274	LR877288	LR877284	LR877279	LR877266	LR880919
<i>B. oropedii</i> Leo176		LR877294	LN650102	LN650123	LN650144	LN650207	LN650186	LN650249
<i>B. oropedii</i> Pear128		LR877295	LN650105	LN650126	LN650147	LN650210	LN650189	LN650252
<i>B. oropedii</i> Pear129		LR877296	LN650106	LN650127	LN650148	LN650211	LN650190	LN650253
<i>B. oropedii</i> Pear76 ^T	JACMYO000000000	LR877297	LN650103	LN650124	LN650145	LN650208	LN650187	LN650250
<i>B. altum</i> Pear77 ^T	JACMYP000000000	LR877298	LN650104	LN650125	LN650146	LN650209	LN650188	LN650251
<i>B. ivorense</i> Arg68	JACMYM000000000	LR877299	LN650089	LN650110	LN650131	LN650194	LN650173	LN650236
<i>B. brasilense</i> Cham227	JACMYN000000000	LR877300	LN650107	LN650128	LN650149	LN650212	LN650191	LN650254
<i>B. brasilense</i> Cham231		LR877301	LN650108	LN650129	LN650150	LN650213	LN650192	LN650255
<i>B. brasilense</i> Arg62	JACMYL000000000	LR877302	LN650088	LN650109	LN650130	LN650193	LN650172	LN650235
<i>B. brasilense</i> R5	FMZW00000000	FMZW00000000	LR877275	LR877289	FMZW00000000	LR877280	LR877267	EU364734
<i>B. brasilense</i> UFLA03-321 ^T	MPVQ00000000	MPVQ00000000	MPVQ00000000	MPVQ00000000	MPVQ00000000	MPVQ00000000	MPVQ00000000	MPVQ00000000
<i>B. elkanii</i> USDA76 ^T	NZ_ARAG00000000	NZ_ARAG00000000	NZ_ARAG00000000	NZ_ARAG00000000	NZ_ARAG00000000	NZ_ARAG00000000	NZ_ARAG00000000	NZ_ARAG00000000
<i>B. embrapense</i> SEMIA 6208 ^T	SAMN03782074	SAMN03782074	SAMN03782074	SAMN03782074	SAMN03782074	SAMN03782074	SAMN03782074	SAMN03782074
<i>B. erythrophlei</i> CCBAU 53325 ^T		KF114645		MG811656	KF114693	KF114717	MG811654	
<i>B. ferriligni</i> CCBAU 51502 ^T		KX683400		MG811657	KJ818099	KJ818102	MG811655	
<i>B. macuxiense</i> BR10303 ^T	LNCU00000000	LNCU00000000	LNCU00000000	LNCU00000000	LNCU00000000	LNCU00000000	LNCU00000000	LNCU00000000
<i>B. mercantei</i> SEMIA6399 ^T	NZ_MKFI01000009	NZ_MKFI01000009	NZ_MKFI01000009	NZ_MKFI01000009	NZ_MKFI01000009	NZ_MKFI01000009	NZ_MKFI01000009	
<i>B. pachyrhizi</i> PAC48 ^T	SAMN03782120	SAMN03782120	SAMN03782120	SAMN03782120	SAMN03782120	SAMN03782120	SAMN03782120	SAMN03782120
<i>B. ripae</i> WR4 ^T		MF593081		MF593102	MF593086	MF593094	MF593098	
<i>B. tropiciagri</i> SEMIA 6148 ^T	LFLZ00000000	LFLZ00000000	LFLZ00000000	LFLZ00000000	LFLZ00000000	LFLZ00000000	LFLZ00000000	LFLZ00000000
<i>B. viridifuturi</i> SEMIA 690 ^T	NZ_LGTB01000152	NZ_LGTB01000152	NZ_LGTB01000152	NZ_LGTB01000152	NZ_LGTB01000152	NZ_LGTB01000152	NZ_LGTB01000152	NZ_LGTB01000152
<i>B. japonicum</i> USDA6 ^T	NC_017249	NC_017249	NC_017249	NC_017249	NC_017249	NC_017249	NC_017249	NC_017249

Information unavailable indicated by shaded blocks.