

## Supplementary Materials

**Table S1.** BLASTn search results for the various rhizobial strains isolated as part of this study. Percentage similarity to their closest sequences on GenBank are shown.

DNA region	Strain number	Legume host	Closest match (GenBank Accession No.)	% Similarity
16S rRNA	RM581	<i>Argyrolobium lunare</i>	<i>Mesorhizobium</i> sp. CCBAU 33406 (JQ339800.1)	95
	RM600	<i>Argyrolobium lunare</i>	<i>Mesorhizobium</i> sp. strain WC23.1d (MG050062.1)	99
	RM98	<i>Argyrolobium lunare</i>	<i>Mesorhizobium</i> sp. strain WC23.1d (MG050062.1)	100
	SE571	<i>Aspalathus argyrella</i>	<i>Burkholderia</i> sp. WSM4177 (HE862275.1)	97
	SE572	<i>Aspalathus argyrella</i>	<i>Burkholderia</i> sp. HC6.4b (HF674718.1)	99
	CPT36	<i>Aspalathus capensis</i>	<i>Burkholderia</i> sp. strain WC21.1b (MG050053.1)	97
	SW5	<i>Aspalathus carnosa</i>	<i>Burkholderia</i> sp. WK1.1f (HF674688.1)	99
	BR621	<i>Aspalathus chenopoda</i>	<i>Mesorhizobium</i> sp. strain WC23.1d (MG050062.1)	98
	BR624	<i>Aspalathus chenopoda</i>	<i>Mesorhizobium</i> sp. strain WC23.1d (MG050062.1)	96
	RM552	<i>Aspalathus cordata</i>	<i>Mesorhizobium loti</i> NZP2037 (CP016079.1)	99
	SE551	<i>Aspalathus cordata</i>	<i>Burkholderia</i> sp. BL25 (KR154605.1)	97
	SE563	<i>Aspalathus cordata</i>	<i>Mesorhizobium</i> sp. CCBAU 33404 (JQ339778.1)	99
	BR604	<i>Aspalathus ericifolia</i>	<i>Mesorhizobium</i> sp. CCBAU 11214 (EF149002.1)	100
	BR605	<i>Aspalathus ericifolia</i>	<i>Mesorhizobium loti</i> NZP2037 (CP016079.1)	99
	CP627	<i>Aspalathus ericifolia</i>	<i>Mesorhizobium</i> sp. RPJ3 (FJ985026.1)	97
	CP630	<i>Aspalathus ericifolia</i>	<i>Mesorhizobium</i> sp. strain WC23.1d (MG050062.1)	99
	LH6	<i>Dipogon lignosus</i>	<i>Burkholderia</i> sp. WSM4178 (HE862279.1)	99
	SE555	<i>Indigofera filifolia</i>	<i>Burkholderia</i> sp. CS13775 (KF791624.1)	97
	SE557	<i>Indigofera filifolia</i>	<i>Burkholderia</i> sp. CS 2 (AY178065.1)	99
	VG182	<i>Indigofera filifolia</i>	<i>Burkholderia</i> sp. BL16 R3 (KR154595.1)	99
	VG185	<i>Indigofera filifolia</i>	<i>Burkholderia</i> sp. BL16 R3 (KR154595.1)	99
	BR62	<i>Indigofera filiformis</i>	<i>Burkholderia</i> sp. RAU2i (HF674680.1)	97
	BR542	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. RAU2i (HF674680.1)	99
	BR543	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. BL6665C (KR154611.1)	98

DNA region	Strain number	Legume host	Closest match (GenBank Accession No.)	% Similarity
	BR544	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. BL6665C (KR154611.1)	98
	BR545	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. BL25 (KR154605.1)	97
	BR67	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. RAU2i (HF674680.1)	99
	BR68	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. RAU2i (HF674680.1)	99
	BR69	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. RAU2i (HF674680.1)	98
	CP589	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. WSM4177 (HE862275.1)	98
	CP591	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. UCT 31 (AY178074.1)	98
	BR537	<i>Indigofera mauritanica</i>	<i>Burkholderia</i> sp. RAU2j (HF674681.1)	98
	SE573	<i>Indigofera sarmentosa</i>	<i>Burkholderia</i> sp. Cpub 6 (AY178071.1)	99
	SM52	<i>Indigofera sarmentosa</i>	<i>Burkholderia</i> sp. WSM4177 (HE862275.1)	98
	BR103	<i>Indigofera</i> sp.	<i>Burkholderia</i> sp. RAU2i (HF674680.1)	99
	PK221	<i>lebeckia ambigua</i>	<i>Burkholderia</i> sp. RAU2i (HF674680.1)	99
	PK225	<i>lebeckia ambigua</i>	<i>Burkholderia</i> sp. BL25 (KR154605.1)	100
	RH601	<i>Lebeckia</i> sp.	<i>Burkholderia</i> sp. HC6.4b (HF674718.1)	99
	RH602	<i>Lebeckia</i> sp.	<i>Burkholderia</i> sp. Cpub 6 (AY178071.1)	99
	RH625	<i>Lebeckia</i> sp.	<i>Burkholderia</i> sp. WSM4177 (HE862275.1)	99
	SE574	<i>Liparia splendens</i>	<i>Burkholderia</i> sp. HC6.4b (HF674718.1)	99
	BR619	<i>Otholobium fruticans</i>	<i>Mesorhizobium</i> sp. MM5377 (KF802585.1)	99
	LH610	<i>Otholobium hirtum</i>	<i>Mesorhizobium cantuariense</i> strain ICMP 19515 (NR_137373.1)	99
	LH611	<i>Otholobium hirtum</i>	<i>Mesorhizobium ciceri</i> strain VAR5.8 (KY515337.1)	100
	LH612	<i>Otholobium hirtum</i>	<i>Mesorhizobium ciceri</i> strain VAR5.8 (KY515337.1)	100
	RM579	<i>Otholobium hirtum</i>	<i>Mesorhizobium</i> sp. strain WC33b	98
	RH616	<i>Podalyria argentea</i>	<i>Burkholderia</i> sp. WSM4177 (HE862275.1)	99
	JH160	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL16 R3 (KR154595.1)	99
	KM195	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. RAU2j (HF674681.1)	99
	RM173	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL6665C (KR154611.1)	99
	RM175	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. WK1.1f (HF674688.1)	99
	VG193	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL16 R3 (KR154595.1)	99
	VG204	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. RAU2i (HF674680.1)	99

DNA region	Strain number	Legume host	Closest match (GenBank Accession No.)	% Similarity
	VG206	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL16 R3 (KR154595.1)	97
	WB164	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. RAU2f (HF674677.2)	99
	WB168	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL29 I6R2 (KR154610.1)	99
	SE584	<i>Podalyria sericea</i>	<i>Burkholderia</i> sp. HC6.4b (HF674718.1)	99
	SE596	<i>Psoralea aphylla</i>	<i>Mesorhizobium</i> sp. strain WSM4692 (MF949006.1)	99
	SE597	<i>Psoralea aphylla</i>	<i>Mesorhizobium</i> sp. ORS1080 (AJ295082.1)	99
	RM548	<i>Psoralea asarina</i>	<i>Mesorhizobium</i> sp. CCBAU 41174 (KP116972.1)	99
	BK312	<i>Psoralea fleta</i>	<i>Mesorhizobium</i> sp. strain WSM4692 (MF949006.1)	99
	BK315	<i>Psoralea fleta</i>	<i>Mesorhizobium</i> sp. strain WSM4692 (MF949006.1)	99
	RH607	<i>Psoralea pinnata</i>	<i>Mesorhizobium</i> sp. strain WSM4692 (MF949006.1)	98
	RM569	<i>Psoralea pinnata</i>	<i>Mesorhizobium</i> sp. CCBAU 41174 (KP116972.1)	99
	RS176	<i>Psoralea pinnata</i>	<i>Mesorhizobium</i> sp. strain WSM4692 (MF949006.1)	100
	RS178	<i>Psoralea pinnata</i>	<i>Mesorhizobium</i> sp. strain WSM4692 (MF949006.1)	100
	SE592	<i>Psoralea pinnata</i>	<i>Mesorhizobium</i> sp. ORS1080 (AJ295082.1)	100
	BK308	<i>Psoralea usitata</i>	<i>Mesorhizobium loti</i> NZP2037 (CP016079.1)	100
	LH22	<i>Virgilia oroboides</i>	<i>Burkholderia kirstenboschensis</i> HC1.1bc (HF674714.1)	99
	LH23	<i>Virgilia oroboides</i>	<i>Burkholderia kirstenboschensis</i> HC1.1bc (HF674714.1)	99
	SE539	<i>Virgilia oroboides</i>	<i>Burkholderia</i> sp. CB2 (AY178059.1)	99
	SE540	<i>Virgilia oroboides</i>	<i>Burkholderia</i> sp. CB2 (AY178059.1)	98
<i>nodA</i>	SE571	<i>Aspalathus argyrella</i>	<i>Burkholderia tuberum</i> strain DUS833 (EF566976.1)	99
	CPT36	<i>Aspalathus capensis</i>	<i>Burkholderia tuberum</i> strain DUS833 (EF566976.1)	99
	LH6	<i>Dipogon lignosus</i>	<i>Burkholderia rhynchosiae</i> strain WSM3930 (EU219866.1)	100
	LH4	<i>Indigofera candolleana</i>	<i>Paraburkholderia sprentiae</i> WSM5005 (CP017562.1)	98
	SE555	<i>Indigofera filifolia</i>	<i>Burkholderia</i> sp. BL21-ind2-R1 (KM188382.1)	100
	SE556	<i>Indigofera filifolia</i>	<i>Burkholderia</i> sp. BL21-ind4-R3 (KM188386.1)	99
	SE557	<i>Indigofera filifolia</i>	<i>Burkholderia</i> sp. BL21-ind2-R1 (KM188382.1)	100
	VG182	<i>Indigofera filifolia</i>	<i>Burkholderia</i> sp. BL16-ind1-R2 (KM188366.1)	100
	VG185	<i>Indigofera filifolia</i>	<i>Burkholderia</i> sp. BL16-ind1-R2 (KM188366.1)	99
	BR62	<i>Indigofera</i>	<i>Burkholderia</i> sp. MM6669-R2 (KM188348.1)	100

DNA region	Strain number	Legume host	Closest match (GenBank Accession No.)	% Similarity
		<i>filiformis</i>		
	BR542	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. MM6669-R2 (KM188348.1)	99
	BR544	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. MM6669-R2 (KM188348.1)	100
	BR545	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. MM6669-R2 (KM188348.1)	100
	BR67	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. MM6669-R2 (KM188348.1)	100
	BR68	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. MM6669-R2 (KM188348.1)	100
	BR69	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. MM6669-R2 (KM188348.1)	100
	CP588	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. MM5482-R2 ( KF791743.1)	100
	CP589	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. MM5482-R2 ( KF791743.1)	100
	CP590	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. MM5482-R2 ( KF791743.1)	100
	CP591	<i>Indigofera frutescens</i>	<i>Burkholderia</i> sp. MM5482-R2 ( KF791743.1)	100
	BR534	<i>Indigofera mauritanica</i>	<i>Burkholderia</i> sp. MM6669-R2 (KM188348.1)	99
	BR535	<i>Indigofera mauritanica</i>	<i>Burkholderia</i> sp. BL55-R2 (KM188420.1)	100
	BR536	<i>Indigofera mauritanica</i>	<i>Burkholderia</i> sp. BL55-R2 (KM188420.1)	100
	BR537	<i>Indigofera mauritanica</i>	<i>Burkholderia</i> sp. BL55-R2 (KM188420.1)	100
	SM52	<i>Indigofera sarmentosa</i>	<i>Burkholderia</i> sp. MM5496-R1 (KF791745.1)	99
	BR103	<i>Indigofera</i> sp.	<i>Burkholderia</i> sp. MM6669-R2 (KM188348.1)	100
	BR152	<i>Indigofera</i> sp.	<i>Burkholderia</i> sp. MM6669-R2 (KM188348.1)	100
	PK221	<i>Lebeckia ambigua</i>	<i>Burkholderia</i> sp. BL21-ind5-R2 (KM188387.1)	100
	PK225	<i>Lebeckia ambigua</i>	<i>Burkholderia</i> sp. BL21-ind5-R2 (KM188387.1)	100
	RH602	<i>Lebeckia</i> sp.	<i>Burkholderia</i> sp. MM5496-R1 (KF791745.1)	100
	RH625	<i>Lebeckia</i> sp.	<i>Burkholderia</i> sp. MM5496-R1 (KF791745.1)	100
	RH614	<i>Podalyria argentea</i>	<i>Burkholderia</i> sp. BL29-ind5-R2 (KM188409.1)	99
	RH615	<i>Podalyria argentea</i>	<i>Burkholderia</i> sp. BL29-ind5-R2 (KM188409.1)	99
	RH616	<i>Podalyria argentea</i>	<i>Burkholderia</i> sp. BL29-ind5-R2 (KM188409.1)	99
	JH154	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL18-ind8-R3 (KM188379.1)	99
	JH160	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL16-ind1-R2 (KM188366.1)	99
	KM195	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL29-ind6-R1 ( KM188410.1)	99
	KM198	<i>Podalyria calyptrata</i>	<i>Paraburkholderia sprentiae</i> WSM5005 (CP017562.1)	99

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	LH1	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. MM6669-R2 (KM188348.1)	100
	RM173	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL18-ind8-R2 (KM188378.1)	99
	RM175	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL18-ind8-R2 (KM188378.1)	100
	VG188	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL21-ind4-R1 (KM188384.1)	100
	VG193	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL21-ind4-R1 (KM188384.1)	100
	VG204	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL16-ind1-R2 (KM188366.1)	99
	VG206	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL9-ind2-R2 (KM188351.1)	100
	WB164	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL21-ind4-R1 (KM188384.1)	99
	WB168	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL28-ind1-R3 (KM188428.1)	99
	WB229	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL29-ind6-R1 ( KM188410.1)	99
	WB232	<i>Podalyria calyptrata</i>	<i>Burkholderia</i> sp. BL21-ind5-R2 (KM188387.1)	100
	SE584	<i>Podalyria sericea</i>	<i>Burkholderia</i> sp. BL13-R2 (KM188361.1)	99
	LH7	<i>Podalyria sericea</i>	<i>Burkholderia</i> sp. MM6669-R2 (KM188348.1)	99
	SE585	<i>Podalyria sericea</i>	<i>Burkholderia</i> sp. BL13-R2 (KM188361.1)	99
	SE586	<i>Podalyria sericea</i>	<i>Burkholderia</i> sp. BL13-R2 (KM188361.1)	99
	SE587	<i>Podalyria sericea</i>	<i>Burkholderia</i> sp. MM5482-R2 ( KF791743.1)	100
	LH22	<i>Virgilia oroboides</i>	<i>Burkholderia</i> sp. MM5878 (KF840398.1)	100
	LH23	<i>Virgilia oroboides</i>	<i>Burkholderia</i> sp. MM5878 (KF840398.1)	100
	SE538	<i>Virgilia oroboides</i>	<i>Burkholderia</i> sp. BL17-R1 (KM188371.1)	100
	SE539	<i>Virgilia oroboides</i>	<i>Burkholderia</i> sp. BL17-R1 (KM188371.1)	100
	SE540	<i>Virgilia oroboides</i>	<i>Burkholderia</i> sp. BL17-R1 (KM188371.1)	100
	SE541	<i>Virgilia oroboides</i>	<i>Burkholderia</i> sp. BL17-R1 (KM188371.1)	100
	TM140	<i>Virgilia oroboides</i>	<i>Burkholderia</i> sp. BL17-R1 (KM188371.1)	100
	RM600	<i>Argyrobium lunare</i>	<i>Mesorhizobium</i> sp. MM5369 (KF802693.1)	98
	RM98	<i>Argyrobium lunare</i>	<i>Mesorhizobium</i> sp. OD13 (KF802674.1)	99
	RM552	<i>Aspalathus cordata</i>	<i>Mesorhizobium</i> sp. OD13 (KF802674.1)	99
	SE561	<i>Aspalathus cordata</i>	<i>Mesorhizobium</i> sp. OD13 (KF802674.1)	99
	CP630	<i>Aspalathus ericifolia</i>	<i>Mesorhizobium</i> sp. MM5734 (KF802683.1)	99
	SE582	<i>Aspalathus ericifolia</i>	<i>Mesorhizobium</i> sp. OD18 (KF802669.1)	100
	BK312	<i>Psoralea fleta</i>	<i>Mesorhizobium</i> sp. MM5343 (KF802700.1)	99
	BK315	<i>Psoralea fleta</i>	<i>Mesorhizobium</i> sp. MM5343 (KF802700.1)	98
	RS178	<i>Psoralea pinnata</i>	<i>Mesorhizobium</i> sp. MM5343 (KF802700.1)	99
	BK308	<i>Psoralea usitata</i>	<i>Mesorhizobium</i> sp. BL637 (KP013169.1)	99

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recA	334N1	<i>Aspalathus carnosa</i>	<i>Burkholderia tuberum</i> STM4252 (HE864382.1)	99
	334N2	<i>Aspalathus carnosa</i>	<i>Burkholderia tuberum</i> STM4252 (HE864382.1)	99
	334N3	<i>Aspalathus carnosa</i>	<i>Burkholderia tuberum</i> STM4252 (HE864382.1)	99
	334N4	<i>Aspalathus carnosa</i>	<i>Burkholderia tuberum</i> STM4252 (HE864382.1)	99
	334N5	<i>Aspalathus carnosa</i>	<i>Burkholderia tuberum</i> STM4252 (HE864382.1)	99
	334N6	<i>Aspalathus carnosa</i>	<i>Burkholderia tuberum</i> STM4252 (HE864382.1)	99
	334N7	<i>Aspalathus carnosa</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	334N8	<i>Aspalathus carnosa</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99
	334N9	<i>Aspalathus carnosa</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99
	330N1	<i>Indigofera candolleana</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99
	330N2	<i>Indigofera candolleana</i>	<i>Burkholderia</i> sp. MM5819 (KF791820.1)	99
	330N3	<i>Indigofera candolleana</i>	<i>Burkholderia</i> sp. MM5477-R2 (KF791799.1)	99
	330N4	<i>Indigofera candolleana</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	330N5	<i>Indigofera candolleana</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	330N6	<i>Indigofera candolleana</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	330N7	<i>Indigofera candolleana</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	330N8	<i>Indigofera candolleana</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99
	330N9	<i>Indigofera candolleana</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99
	325N1	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99
	325N2	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99
	325N3	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99
	325N4	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99
	325N5	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99
	325N6	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99
	325N7	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99

DNA region	Strain number	Legume host	Closest match (GenBank Accession No.)	% Similarity
	325NX	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	326N1	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	326N1	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	326N10	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	326N11	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	326N12	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	326N13	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	326N14	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	326N15	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	326N16	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6511-R2 (KF791816.1)	99
	326N17	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. OD25-R1 (KF791830.1)	99
	326N18	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	326N2	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM5477-R2 (KF791799.1)	99
	326N2	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	326N3	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	326N3	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	326N4	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	326N4	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM5477-R2 (KF791799.1)	99
	326N5	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	326N5	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	326N6	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	326N6	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM5477-R2 (KF791799.1)	99
	326N7	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	326N7	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. OD25-R1 (KF791830.1)	99
	326N8	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	326N8	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99

DNA region	Strain number	Legume host	Closest match (GenBank Accession No.)	% Similarity
	326N9	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	328N1	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N7 (KT718935.1)	99
	328N2	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. OD120 (KF791814.1)	99
	328N3	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N7 (KT718935.1)	99
	328N4	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N7 (KT718935.1)	99
	328N5	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM5477-R2 (KF791799.1)	99
	328N6	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. OD120 (KF791814.1)	99
	328N7	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N7 (KT718935.1)	99
	328N8	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. OD120 (KF791814.1)	98
	333N1	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	333N10	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N3 (KT718932.1)	99
	333N11	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	333N12	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N7 (KT718935.1)	99
	333N13	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N7 (KT718935.1)	99
	333N14	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N3 (KT718932.1)	99
	333N15	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	333N16	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N7 (KT718935.1)	99
	333N17	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM5477-R2 (KF791799.1)	99
	333N18	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	333N19	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM5819 (KF791820.1)	99
	333N2	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	333N20	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N7 (KT718935.1)	99
	333N21	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM5477-R2 (KF791799.1)	99
	333N22	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	333N23	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N7 (KT718935.1)	99
	333N24	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99



DNA region	Strain number	Legume host	Closest match (GenBank Accession No.)	% Similarity
	333N25	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N3 (KT718932.1)	99
	333N26	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 988N8 (KT718943.1)	99
	333N27	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM5819 (KF791820.1)	99
	333N3	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. WSM4175 (HE994066.1)	99
	333N4	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	333N5	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	333N6	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM6463B (KF791848.1)	99
	333N7	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. MM5477-R2 (KF791799.1)	99
	333N8	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 989N1 (KT718902.1)	99
	333N9	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N7 (KT718935.1)	99
	327N10	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5343 (KF802791.1)	99
	327N11	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5378 (KF802772.1)	99
	327N3	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5413 (KF802790.1)	99
	3237N4	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5343 (KF802791.1)	99
	3237N5	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5413 (KF802790.1)	99
	3237N6	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5413 (KF802790.1)	99
	3237N7	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5343 (KF802791.1)	100
	3237N8	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5343 (KF802791.1)	100
<i>nodC</i>	334N1	<i>Aspalathus carnosa</i>	<i>Burkholderia</i> sp. BL16 I4R2 (KR154710.1)	99
	334N2	<i>Aspalathus carnosa</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	334N3	<i>Aspalathus carnosa</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	334N4	<i>Aspalathus carnosa</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	334N5	<i>Aspalathus carnosa</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	334N6	<i>Aspalathus carnosa</i>	<i>Burkholderia</i> sp. BL16 I4R2 (KR154710.1)	99
	334N7	<i>Aspalathus carnosa</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	334N8	<i>Aspalathus carnosa</i>	<i>Paraburkholderia spreintiae</i> WSM5005 (CP017565.1)	99
	334N9	<i>Aspalathus carnosa</i>	<i>Paraburkholderia spreintiae</i> WSM5005 (CP017565.1)	99
	325N3	<i>Indigofera superba</i>	<i>Paraburkholderia spreintiae</i> WSM5005 (CP017565.1)	99
	325N4	<i>Indigofera</i>	<i>Paraburkholderia spreintiae</i> WSM5005	99

DNA region	Strain number	Legume host	Closest match (GenBank Accession No.)	% Similarity
		<i>superba</i>	(CP017565.1)	
	325N5	<i>Indigofera superba</i>	<i>Paraburkholderia spreintiae</i> WSM5005 (CP017565.1)	99
	325N6	<i>Indigofera superba</i>	<i>Paraburkholderia spreintiae</i> WSM5005 (CP017565.1)	99
	325N7	<i>Indigofera superba</i>	<i>Paraburkholderia spreintiae</i> WSM5005 (CP017565.1)	99
	325NX	<i>Indigofera superba</i>	<i>Paraburkholderia spreintiae</i> WSM5005 (CP017565.1)	99
	326N1	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	326N1	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	326N10	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. BL23 I2R2 (KR154718.1)	100
	326N11	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	326N12	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	326N13	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. OD123 (KP013138.1)	98
	326N14	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	326N15	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	326N16	<i>Indigofera superba</i>	<i>Paraburkholderia spreintiae</i> WSM5005 (CP017565.1)	99
	326N17	<i>Indigofera superba</i>	<i>Paraburkholderia spreintiae</i> WSM5005 (CP017565.1)	99
	326N18	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	326N2	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. OD123 (KP013138.1)	99
	326N3	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. BL23 I2R2 (KR154718.1)	99
	326N3	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	326N4	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. BL13 R2 (KR154707.1)	98
	326N5	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	326N6	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	326N7	<i>Indigofera superba</i>	<i>Paraburkholderia spreintiae</i> WSM5005 (CP017565.1)	99
	326N8	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	326N8	<i>Indigofera superba</i>	<i>Paraburkholderia spreintiae</i> WSM5005 (CP017565.1)	99
	326N9	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. OD123 (KP013138.1)	99

DNA region	Strain number	Legume host	Closest match (GenBank Accession No.)	% Similarity
	333N1	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	333N10	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 986N1 (KT718833.1)	99
	333N11	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	333N12	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. BL27 I3R6 (KR154722.1)	99
	333N13	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 986N1 (KT718833.1)	99
	333N14	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 986N1 (KT718833.1)	99
	333N15	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. BL13 R2 (KR154707.1)	99
	333N16	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 973N7 (KT718871.1)	99
	333N17	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	333N18	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	333N19	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	333N2	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	333N20	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 986N1 (KT718833.1)	99
	333N21	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	333N22	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. BL23 I2R2 (KR154718.1)	99
	333N23	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 986N1 (KT718833.1)	99
	333N24	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. BL23 I2R2 (KR154718.1)	99
	333N25	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. 986N1 (KT718833.1)	99
	333N26	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. BL16 I4R2 (KR154710.1)	99
	333N27	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	333N3	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	333N4	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. BL23 I2R2 (KR154718.1)	99
	333N5	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. BL23 I2R2 (KR154718.1)	99
	333N7	<i>Indigofera superba</i>	<i>Burkholderia tuberum</i> STM678 (AJ306730.1)	99
	333N8	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. BL27 I3R6 (KR154722.1)	99
	333N9	<i>Indigofera superba</i>	<i>Burkholderia</i> sp. BL27 I3R6 (KR154722.1)	99

DNA region	Strain number	Legume host	Closest match (GenBank Accession No.)	% Similarity
	327N1	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	98
	327N10	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	99
	327N11	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5357 (KR154632.1)	99
	327N16	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	99
	327N17	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	99
	327N18	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	99
	327N19	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	99
	327N2	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	99
	327N2	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	99
	327N20	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5462 (KR154635.1)	99
	327N21	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	99
	327N22	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	99
	327N23	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	99
	327N24	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	98
	327N25	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	98
	327N26	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. ICMP 12638 (KM018083.1)	100
	327N3	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5357 (KR154632.1)	99
	327N3	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	99
	327N4	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5462 (KR154635.1)	98
	327N4	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. 998N23 (KT719013.1)	98
	327N5	<i>Psoralea pullata</i>	<i>Mesorhizobium</i> sp. MM5357 (KR154632.1)	99
	327N6	<i>Psoralea pullata</i>		
	327N7	<i>Psoralea pullata</i>		
	327N8	<i>Psoralea pullata</i>		
	329bN1	<i>Psoralea restioides</i>		
	329bN2	<i>Psoralea restioides</i>		
	329bN3	<i>Psoralea restioides</i>		
	329bN4	<i>Psoralea restioides</i>		
	329bN5	<i>Psoralea restioides</i>		
	329bN6	<i>Psoralea restioides</i>		

**Table S2.** List of rhizobial strains with binary scoring of their soil types. A score of 0 indicates that a strain was not found in that particular soil type, while a score of 1 means that it was.

Genus	Strain	Granite	Limestone	Sandstone	Shale
<i>Burkholderia</i>	<i>Burkholderia</i> sp. ( <i>Amphithalea ericifolia</i> MM5482)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Aspalathus argyrella</i> SE571)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Aspalathus argyrella</i> SE572)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Aspalathus callosa</i> MM5477)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Aspalathus capensis</i> CPT36)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Aspalathus carnosa</i> MM5496)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Aspalathus carnosa</i> SW5)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Boolusafraba bituminosa</i> OD29)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Crotalaria</i> sp. OD120)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Dipogon lignosus</i> LH6)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera angustifolia</i> MM5878)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera candolleana</i> LH4)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera cytisoides</i> MM5819)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera filifolia</i> SE555)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera filifolia</i> SE556)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera filifolia</i> SE557)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera filifolia</i> VG182)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera filifolia</i> VG185)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera filiformis</i> BR62)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR542)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR543)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR544)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR545)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR67)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR68)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR69)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> CP 589)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> CP588)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> CP590)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> CP591)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera mauritanica</i> BR534)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera mauritanica</i> BR535)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera mauritanica</i> BR536)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera mauritanica</i> BR537)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera sarmentosa</i> SE573)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera sarmentosa</i> SM52)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Indigofera</i> sp. BR103)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera</i> sp. BR152)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Indigofera</i> sp. MM5746)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Lebeckia ambigua</i> PK221)	0	0	1	0
<i>Burkholderia</i> sp. ( <i>Lebeckia ambigua</i> PK225)	0	0	1	0	
<i>Burkholderia</i> sp. ( <i>Lebeckia</i> sp. RH601)	0	0	1	0	
<i>Burkholderia</i> sp. ( <i>Lebeckia</i> sp. RH602)	0	0	1	0	

Genus	Strain	Granite	Limestone	Sandstone	Shale
	<i>Burkholderia</i> sp. ( <i>Lebeckia</i> sp. RH625)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Liparia splendens</i> SE574)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria argentea</i> RH614)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria argentea</i> RH615)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria argentea</i> RH616)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria burchellii</i> MM5875)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> JH154)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> JH160)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> KM195)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> KM198)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> LH1)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> MM5337)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> OD25)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> RM1730)	0	0	0	1
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> RM175)	0	0	0	1
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> VG188)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> VG193)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> VG204)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> VG205)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> VG206)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> WB164)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> WB168)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> WB229)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> WB232)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria sericea</i> LH7)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Podalyria sericea</i> MM5384)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Podalyria sericea</i> SE584)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria sericea</i> SE585)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria sericea</i> SE586)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Podalyria sericea</i> SE587)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Rafnia acuminata</i> OD22)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Rafnia</i> sp. OD28)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> LH22)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> LH23)	1	0	0	0
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> MM5366)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> SE538)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> SE539)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> SE540)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> SE541)	0	0	1	0
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> TM140)	0	0	1	0
<i>Mesorhizobium</i>	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium lunare</i> MM5369)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium lunare</i> OD14)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium lunare</i> OD48)	0	1	0	0
	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium lunare</i> RM5810)	0	0	0	1

Genus	Strain	Granite	Limestone	Sandstone	Shale
	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium lunare</i> RM600)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium lunare</i> RM98)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium velutinum</i> OD47)	0	1	0	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus astroites</i> OD18)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus aurantiaca</i> MM5397)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus bracteata</i> MM5618)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus chenopoda</i> BR621)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus chenopoda</i> BR623)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus chenopoda</i> BR624)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus chenopoda</i> RM559)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ciliaris</i> CS13166)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ciliaris</i> MM5361)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ciliaris</i> OD108)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus cordata</i> OD13)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus cordata</i> RM552)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus cordata</i> SE551)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus cordata</i> SE561)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus cordata</i> SE563)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> BR604)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> BR605)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> CP627)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> CP628)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> CP630)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> MM5352)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> OD31)	0	1	0	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> SE582)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> SE598)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> SE599)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus hispida</i> RM564)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus spicata</i> MM5398)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus spicata</i> MM5440)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus uniflora</i> MM5734)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus uniflora</i> OD26)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Indigofera angustifolia</i> MM5378)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Indigofera venusta</i> MM5377)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium bracteolatum</i> OD42)	0	1	0	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium fruticans</i> BR619)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium fruticans</i> BR620)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> LH609)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> LH610)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> LH611)	1	0	0	0

Genus	Strain	Granite	Limestone	Sandstone	Shale
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> LH612)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> MM5334)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> MM5376)	1	0	0	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> MM5382)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> OD32)	0	1	0	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> RM579)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>OtHOLOBIUM obliquum</i> MM5370)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium virgatum</i> MM5333)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>Otholobium virgatum</i> MM5357)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium virgatum</i> RM567)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>Otholobium virgatum</i> SW44)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Otholobium zeyheri</i> MM5675)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea aphylla</i> SE595)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea aphylla</i> SE596)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea aphylla</i> SE597)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea asarina</i> MM5360)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea asarina</i> OD15)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea asarina</i> RM548)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>Psoralea brilliantissima</i> OD52)	0	1	0	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea congesta</i> MM5462)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea fleta</i> BK312)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea fleta</i> BK315)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea laxa</i> OD119)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>Psoralea oligophylla</i> OD118)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>Psoralea pinnata</i> RH607)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea pinnata</i> RH608)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea pinnata</i> RM569)	0	0	0	1
	<i>Mesorhizobium</i> sp. ( <i>Psoralea pinnata</i> RS176)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea pinnata</i> RS178)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea pinnata</i> SE592)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea rigidula</i> MM5343)	0	0	1	0
	<i>Mesorhizobium</i> sp. ( <i>Psoralea usitata</i> BK308)	0	0	1	0



**Table S3.** List of rhizobial strains used with the altitude and pH data of their sites.

<b>Genus</b>	<b>Strain</b>	<b>Altitude</b>	<b>pH</b>
<i>Burkholderia</i>	<i>Burkholderia</i> sp. ( <i>Amphithalea ericifolia</i> MM5482)	20	4.64
	<i>Burkholderia</i> sp. ( <i>Aspalathus argyrella</i> SE571)	486	4.97
	<i>Burkholderia</i> sp. ( <i>Aspalathus argyrella</i> SE572)	487	4.97
	<i>Burkholderia</i> sp. ( <i>Aspalathus callosa</i> MM5477)	10	4.62
	<i>Burkholderia</i> sp. ( <i>Aspalathus capensis</i> CPT36)	254	4.07
	<i>Burkholderia</i> sp. ( <i>Aspalathus carnososa</i> MM5496)	57	3.73
	<i>Burkholderia</i> sp. ( <i>Aspalathus carnososa</i> SW5)	112	3.53
	<i>Burkholderia</i> sp. ( <i>Boolusafr bituminosa</i> OD29)	272	3.18
	<i>Burkholderia</i> sp. ( <i>Crotalaria</i> sp. OD120)	240	4.64
	<i>Burkholderia</i> sp. ( <i>Dipogon lignosus</i> LH6)	228	5.1
	<i>Burkholderia</i> sp. ( <i>Indigofera angustifolia</i> MM5878)	40	4.5
	<i>Burkholderia</i> sp. ( <i>Indigofera candolleana</i> LH4)	228	5.1
	<i>Burkholderia</i> sp. ( <i>Indigofera cytisoides</i> MM5819)	179	4.36
	<i>Burkholderia</i> sp. ( <i>Indigofera filifolia</i> SE555)	296	4.97
	<i>Burkholderia</i> sp. ( <i>Indigofera filifolia</i> SE556)	296	4.97
	<i>Burkholderia</i> sp. ( <i>Indigofera filifolia</i> SE557)	296	4.97
	<i>Burkholderia</i> sp. ( <i>Indigofera filifolia</i> VG182)	240	3.43
	<i>Burkholderia</i> sp. ( <i>Indigofera filifolia</i> VG185)	240	3.43
	<i>Burkholderia</i> sp. ( <i>Indigofera filiformis</i> BR62)	410	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR542)	412	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR543)	412	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR544)	412	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR545)	412	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR67)	404	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR68)	408	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> BR69)	408	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> CP589)	413	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> CP588)	413	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> CP590)	413	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera frutescens</i> CP591)	413	4.1
	<i>Burkholderia</i> sp. ( <i>Indigofera mauritanica</i> BR534)	414	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera mauritanica</i> BR535)	414	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera mauritanica</i> BR536)	414	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera mauritanica</i> BR537)	414	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera sarmentosa</i> SE573)	296	4.97
	<i>Burkholderia</i> sp. ( <i>Indigofera sarmentosa</i> SM52)	112	3.53
	<i>Burkholderia</i> sp. ( <i>Indigofera</i> sp. BR103)	411	4.4
	<i>Burkholderia</i> sp. ( <i>Indigofera</i> sp. BR152)	416	4.46
	<i>Burkholderia</i> sp. ( <i>Indigofera</i> sp. MM5746)	296	4.18
	<i>Burkholderia</i> sp. ( <i>Lebeckia ambigua</i> PK221)	447	3.56
<i>Burkholderia</i> sp. ( <i>Lebeckia ambigua</i> PK225)	447	3.56	
<i>Burkholderia</i> sp. ( <i>Lebeckia</i> sp. RH601)	369	3.83	
<i>Burkholderia</i> sp. ( <i>Lebeckia</i> sp. RH602)	369	3.83	
<i>Burkholderia</i> sp. ( <i>Lebeckia</i> sp. RH625)	365	3.83	

Genus	Strain	Altitude	pH
	<i>Burkholderia</i> sp. ( <i>Liparia splendens</i> SE574)	296	4.97
	<i>Burkholderia</i> sp. ( <i>Podalyria argentea</i> RH614)	364	3.83
	<i>Burkholderia</i> sp. ( <i>Podalyria argentea</i> RH615)	364	3.83
	<i>Burkholderia</i> sp. ( <i>Podalyria argentea</i> RH616)	364	3.83
	<i>Burkholderia</i> sp. ( <i>Podalyria burchellii</i> MM5875)	28	4.5
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> JH154)	296	4.18
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> JH160)	296	4.18
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> KM195)	128	3.76
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> KM198)	128	3.76
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> LH1)	228	5.1
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> MM5337)	420	4.56
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> OD25)	272	3.62
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> RM173)	166	4.4
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> RM175)	166	4.4
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> VG188)	241	3.43
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> VG193)	241	3.43
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> VG204)	241	3.43
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> VG205)	241	3.43
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> VG206)	241	3.43
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> WB164)	84	3.56
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> WB168)	84	3.56
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> WB229)	87	3.59
	<i>Burkholderia</i> sp. ( <i>Podalyria calyptrata</i> WB232)	87	3.59
	<i>Burkholderia</i> sp. ( <i>Podalyria sericea</i> LH7)	228	5.1
	<i>Burkholderia</i> sp. ( <i>Podalyria sericea</i> MM5384)	91	5.26
	<i>Burkholderia</i> sp. ( <i>Podalyria sericea</i> SE584)	312	4.97
	<i>Burkholderia</i> sp. ( <i>Podalyria sericea</i> SE585)	312	4.97
	<i>Burkholderia</i> sp. ( <i>Podalyria sericea</i> SE586)	312	4.97
	<i>Burkholderia</i> sp. ( <i>Podalyria sericea</i> SE587)	312	4.97
	<i>Burkholderia</i> sp. ( <i>Rafnia acuminata</i> OD22)	272	3.62
	<i>Burkholderia</i> sp. ( <i>Rafnia</i> sp. OD28)	272	3.62
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> LH22)	174	5.1
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> LH23)	174	5.1
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> MM5366)	296	4.18
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> SE538)	313	4.97
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> SE539)	313	4.97
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> SE540)	313	4.97
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> SE541)	313	4.97
	<i>Burkholderia</i> sp. ( <i>Virgilia oroboides</i> TM140)	686	4.97
<i>Mesorhizobium</i>	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium lunare</i> MM5369)	296	4.18
	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium lunare</i> OD14)	296	3.18
	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium lunare</i> OD48)	11.4	6.39
	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium lunare</i> RM581)	212	4.4
	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium lunare</i> RM600)	219	4.4
	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium lunare</i> RM98)	218	4.4

Genus	Strain	Altitude	pH
	<i>Mesorhizobium</i> sp. ( <i>Argyrolobium velutinum</i> OD47)	11.4	6.71
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus astroites</i> OD18)	296	4
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus aurantiaca</i> MM5397)	368	4.11
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus bracteata</i> MM5618)	582	5.19
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus chenopoda</i> BR621)	415	4.4
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus chenopoda</i> BR623)	415	4.4
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus chenopoda</i> BR624)	415	4.4
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus chenopoda</i> RM559)	215	4.4
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ciliaris</i> CS13166)	40	4.1
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ciliaris</i> MM5361)	296	4
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ciliaris</i> OD108)	522	4.76
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus cordata</i> OD13)	296	4
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus cordata</i> RM552)	217	4.4
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus cordata</i> SE551)	296	4.97
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus cordata</i> SE561)	298	4.97
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus cordata</i> SE563)	292	4.97
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> BR604)	415	4.4
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> BR605)	141	4.4
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> CP627)	114	4.07
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> CP628)	114	4.07
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> CP630)	114	4.07
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> MM5352)	272	4.88
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> OD31)	581	5.19
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> SE582)	312	4.97
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> SE598)	311	4.97
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus ericifolia</i> SE599)	311	4.97
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus hispida</i> RM564)	205	5.47
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus spicata</i> MM5398)	368	4.11
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus spicata</i> MM5440)	229	3.9
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus uniflora</i> MM5734)	348	3.49
	<i>Mesorhizobium</i> sp. ( <i>Aspalathus uniflora</i> OD26)	272	3.62
	<i>Mesorhizobium</i> sp. ( <i>Indigofera angustifolia</i> MM5378)	68	4.5
	<i>Mesorhizobium</i> sp. ( <i>Indigofera venusta</i> MM5377)	68	4.5
	<i>Mesorhizobium</i> sp. ( <i>Otholobium bracteolatum</i> OD42)	11.4	6.71
	<i>Mesorhizobium</i> sp. ( <i>Otholobium fruticans</i> BR619)	636	4.4
	<i>Mesorhizobium</i> sp. ( <i>Otholobium fruticans</i> BR620)	363	4.4
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> LH609)	472	4.77
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> LH610)	472	4.77
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> LH611)	472	4.77
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> LH612)	472	4.77
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> MM5334)	203	5.31
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> MM5376)	68	4.9
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> MM5382)	68	4.59
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> OD32)	581	5.19
	<i>Mesorhizobium</i> sp. ( <i>Otholobium hirtum</i> RM579)	247	4.4
	<i>Mesorhizobium</i> sp. ( <i>Otholobium obliquum</i> MM5370)	330	4.18

Genus	Strain	Altitude	pH
	<i>Mesorhizobium sp. (Otholobium virgatum MM5333)</i>	203	5.31
	<i>Mesorhizobium sp. (Otholobium virgatum MM5357)</i>	296	4.26
	<i>Mesorhizobium sp. (Otholobium virgatum RM567)</i>	247	4.4
	<i>Mesorhizobium sp. (Otholobium virgatum SW44)</i>	124	3.86
	<i>Mesorhizobium sp. (Otholobium zeyheri MM5675)</i>	610	5.39
	<i>Mesorhizobium sp. (Psoralea aphylla SE595)</i>	317	4.97
	<i>Mesorhizobium sp. (Psoralea aphylla SE596)</i>	317	4.97
	<i>Mesorhizobium sp. (Psoralea aphylla SE597)</i>	317	4.97
	<i>Mesorhizobium sp. (Psoralea asarina MM5360)</i>	296	4.26
	<i>Mesorhizobium sp. (Psoralea asarina OD15)</i>	296	3.18
	<i>Mesorhizobium sp. (Psoralea asarina RM548)</i>	162	4.4
	<i>Mesorhizobium sp. (Psoralea brilliantissima OD52)</i>	107	6.5
	<i>Mesorhizobium sp. (Psoralea congesta MM5462)</i>	20	4.5
	<i>Mesorhizobium sp. (Psoralea fleta BK312)</i>	358	3.29
	<i>Mesorhizobium sp. (Psoralea fleta BK315)</i>	358	3.29
	<i>Mesorhizobium sp. (Psoralea laxa OD119)</i>	240	4.64
	<i>Mesorhizobium sp. (Psoralea oligophylla OD118)</i>	240	4.64
	<i>Mesorhizobium sp. (Psoralea pinnata RH607)</i>	364	3.83
	<i>Mesorhizobium sp. (Psoralea pinnata RH608)</i>	364	3.83
	<i>Mesorhizobium sp. (Psoralea pinnata RM569)</i>	210	4.4
	<i>Mesorhizobium sp. (Psoralea pinnata RS176)</i>	136	3.84
	<i>Mesorhizobium sp. (Psoralea pinnata RS178)</i>	136	3.84
	<i>Mesorhizobium sp. (Psoralea pinnata SE592)</i>	321	4.97
	<i>Mesorhizobium sp. (Psoralea rigidula MM5343)</i>	753	3.29
	<i>Mesorhizobium sp. (Psoralea usitata BK308)</i>	356	3.29