

SUPPLEMENTAL MATERIALS:

IN SITU PHYLOGENETIC STRUCTURE AND DIVERSITY OF WILD *BRADYRHIZOBIUM* COMMUNITIES

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Protocol for MAG media

- 1) MAG Media Reagents (per liter)
 - 1.1g MES
 - 1.3g HEPES
 - 1.0g Arabinose (DL)
 - 1.0g Gluconic Acid~Sodium Salt)
 - 1.0g Yeast extract
 - 2ml KH₂PO₄ Solution (110g/L)
 - 4ml Na₂SO₄ Solution (62.5 g/L)
 - 1ml MgSO₄ • 7H₂O Solution (180g/L)
 - 2ml NH₄Cl Solution (160g/L)
 - 1ml CaCl₂ Solution (13g/L)
 - 1ml FeCl₃ • 6H₂O Solution (6.7g/L)
 - Adjust pH to 6.6 with KOH
 - Autoclave for 40 minutes

SUPPLEMENTAL TABLES

Supplemental Table 1. Plant numbers and species collected at each unique GPS site

Site	GPS Coordinates	Plants Collected
1	38°19'070 N, 123°03'560 W	<i>L. heermanii</i> 15 and 17, <i>L. strigosus</i> 14 and 16
2	38°19'100 N, 123°03'440 W	<i>L. strigosus</i> 20-25
3	38°19'158 N, 123°03'820 W	<i>L. strigosus</i> 7, 8 and 11
4	38°19'158 N, 123°03'824 W	<i>L. strigosus</i> 1-4
5	38°20'560 N, 123°03'566 W	<i>L. heermanii</i> 33
6	38°20'570 N, 123°03'459 W	<i>L. heermanii</i> 34
7	38°20'571 N, 123°03'460 W	<i>L. micranthus</i> 28
8	38°20'602 N, 123°03'458 W	<i>L. micranthus</i> 30
9	38°20'623 N, 123°03'495 W	<i>L. micranthus</i> 27
10	38°20'642 N, 123°03'504 W	<i>L. micranthus</i> 26
11	38°20'649 N, 123°03'514 W	<i>L. micranthus</i> 29

Supplemental Table 2. Number of isolates and sequenced haplotypes from different micro-environments and hosts.

A. Samples among all host species

	<u>All</u>	<u>Nodule</u>	<u>Root surface</u>	<u>Root tips</u>	<u>Old Roots</u>
Isolates	280	172	108	76	32
Haplotypes	69	25	51	40	23

B. Samples within each host species

	<u>LoA</u>	<u>LoH</u>	<u>LoMe</u>	<u>LoS</u>
Isolates	19	61	42	158
Haplotypes	19	22	25	28

Supplemental Table 3.

Sampling type and spatial location of all sequenced isolates

Table 3. Sampling type and spatial location of all sequenced isolates. Isolate source = year (05=2005), plant species (LoA = *Lotus angustissimus*, LoM = *L. micranthus*, LoH = *L. heermannii*, LoS = *L. strigosus*), and nodule or root surface numbers. Genotype ID = isolate name or GenBank isolate when unique, and multiply recovered genotypes are named with the host species (A, M, H, S), isolate type(s) (N = nodule, R = root surface) and the total number of isolates that share the genotype. Nod/old/tip = isolation type (nod = nodule, old = mature portion of the root surface, tip = root surface tip. Lat = latitude and Long = longitude. Nod = Nodulation status (Y = positive nodulation in all five test plants, N = lack of nodulation in all five test plants, - = untested).

Isolate Source	Genotype ID	Nod/old/tip	Lat	Long	Nod?
05LoA29.1	LoA29.1	Nod	38°20'649	123°03'514	—
05LoA29.10	LoA29.10	Nod	38°20'649	123°03'514	—
05LoA29.12	AHMN14	Nod	38°20'649	123°03'514	—
05LoA29.3	AHMN14	Nod	38°20'649	123°03'514	—
05LoA29.4	AHMN14	Nod	38°20'649	123°03'514	—
05LoA29.5	AHMN14	Nod	38°20'649	123°03'514	—
05LoA29R4.2	LoA29R4.2	Old	38°20'649	123°03'514	—
05LoA30.1	AHMN14	Nod	38°20'602	123°03'458	—
05LoA30.10	AHMN14	Nod	38°20'602	123°03'458	—
05LoA30.11	AHMN14	Nod	38°20'602	123°03'458	—
05LoA30.3	AHMN14	Nod	38°20'602	123°03'458	—
05LoA30.4	AHMN14	Nod	38°20'602	123°03'458	—
05LoA30.5	AHMN14	Nod	38°20'602	123°03'458	—
05LoA30.6	AHMN14	Nod	38°20'602	123°03'458	—
05LoA30.9	LoA30.9	Nod	38°20'602	123°03'458	—
05LoA30R6.7	AR_HMN3	Tip	38°20'602	123°03'458	—
05LoA30R7.16	LoA30R7.16	Old	38°20'602	123°03'458	—
05LoA30R8.17	AHR2	Old	38°20'602	123°03'458	—
05LoA30R8.19	LoA30R8.19	Old	38°20'602	123°03'458	—
05LoH15.1	HSNR34	Nod	38°19'070	123°03'560	Y
05LoH15.10	HMSNR94	Nod	38°19'070	123°03'560	—
05LoH15.11	HSNR34	Nod	38°19'070	123°03'560	—
05LoH15.12	HSNR34	Nod	38°19'070	123°03'560	—
05LoH15.2	HSNR34	Nod	38°19'070	123°03'560	—
05LoH15.3	HMSNR94	Nod	38°19'070	123°03'560	—
05LoH15.4	HMSNR94	Nod	38°19'070	123°03'560	—
05LoH15.5	HMSNR94	Nod	38°19'070	123°03'560	—
05LoH15.6	HMSNR94	Nod	38°19'070	123°03'560	—
05LoH15.7	HSNR34	Nod	38°19'070	123°03'560	—

05LoH15.8	HMSNR94	Nod	38°19'070	123°03'560	_
05LoH15.9	HSNR34	Nod	38°19'070	123°03'560	_
05LoH15R2.45	HMR2	Old	38°19'070	123°03'560	N
05LoH15R2.47	LoH15R2.47	Old	38°19'070	123°03'560	_
05LoH15R2.48	LoH15R2.48	Old	38°19'070	123°03'560	N
05LoH15R5.50	HSNR34	Old	38°19'070	123°03'560	Y
05LoH15R5.51	HSR2	Old	38°19'070	123°03'560	_
05LoH15R8.7	LoH15R8.7	Old	38°19'070	123°03'560	N
05LoH15R8.9	HMSNR94	Old	38°19'070	123°03'560	_
05LoH17.10	HSNR34	Nod	38°19'070	123°03'560	Y
05LoH17.11	HSNR34	Nod	38°19'070	123°03'560	_
05LoH17.12	HMSNR94	Nod	38°19'070	123°03'560	_
05LoH17.13	HMSNR94	Nod	38°19'070	123°03'560	_
05LoH17.14	HMSNR94	Nod	38°19'070	123°03'560	_
05LoH17.3	HMSNR94	Nod	38°19'070	123°03'560	_
05LoH17.4	HSNR34	Nod	38°19'070	123°03'560	_
05LoH17.6	HSNR34	Nod	38°19'070	123°03'560	_
05LoH17.7	HN_SNR6	Nod	38°19'070	123°03'560	_
05LoH17.8	HSNR34	Nod	38°19'070	123°03'560	_
05LoH17.9	HSNR34	Nod	38°19'070	123°03'560	_
05LoH33.1	HNR12	Nod	38°20'560	123°03'566	_
05LoH33.10	HNR12	Nod	38°20'560	123°03'566	_
05LoH33.11	HNR12	Nod	38°20'560	123°03'566	_
05LoH33.12	HNR12	Nod	38°20'560	123°03'566	_
05LoH33.2	HNR12	Nod	38°20'560	123°03'566	_
05LoH33.5	HNR12	Nod	38°20'560	123°03'566	_
05LoH33.6	HNR12	Nod	38°20'560	123°03'566	_
05LoH33.7	HNR12	Nod	38°20'560	123°03'566	_
05LoH33.8	HNR12	Nod	38°20'560	123°03'566	_
05LoH33.9	HNR12	Nod	38°20'560	123°03'566	_
05LoH33R1.38	HMSR5b	Tip	38°20'560	123°03'566	_
05LoH33R1.42	HSRb2	Tip	38°20'560	123°03'566	_
05LoH33R2.47	LoH33R2.47	Tip	38°20'560	123°03'566	_
05LoH33R4.48	LoH33R4.48	Tip	38°20'560	123°03'566	_
05LoH33R4.50	HNR12	Tip	38°20'560	123°03'566	_
05LoH33R7.10	HMSR5b	Old	38°20'560	123°03'566	_
05LoH33R8.14	HNR12	Old	38°20'560	123°03'566	_
05LoH34.1	HMSNR94	Nod	38°20'570	123°03'459	_
05LoH34.10	LoH34.10	Nod	38°20'570	123°03'459	_
05LoH34.2	LoH34.2	Nod	38°20'570	123°03'459	_
05LoH34.3	AHMN14	Nod	38°20'570	123°03'459	_
05LoH34.4	AHMN14	Nod	38°20'570	123°03'459	_
05LoH34.5	HMSNR94	Nod	38°20'570	123°03'459	_
05LoH34.6	LoH34.6	Nod	38°20'570	123°03'459	_
05LoH34.8	AR_HMN3	Nod	38°20'570	123°03'459	_
05LoH34.9	HMSNR94	Nod	38°20'570	123°03'459	_
05LoH34R1.17	LoH34R1.17	Tip	38°20'570	123°03'459	_
05LoH34R3.26	HMSR5	Tip	38°20'570	123°03'459	_

05LoH34R3.28	AHR2	Tip	38°20'570	123°03'459	--
05LoH34R4.31	LoH34R4.31	Tip	38°20'570	123°03'459	--
05LoH34R5.38	HMSR5	Old	38°20'570	123°03'459	--
05LoM26.10	MNR6	Nod	38°20'642	123°03'504	--
05LOM26.11	MNa3	Nod	38°20'642	123°03'504	--
05LoM26.12	MNb3	Nod	38°20'642	123°03'504	--
05LOM26.13	MNa3	Nod	38°20'642	123°03'504	--
05LOM26.14	MNa3	Nod	38°20'642	123°03'504	--
05LoM26.15	MNb3	Nod	38°20'642	123°03'504	--
05LoM26.2	LoM26.2	Nod	38°20'642	123°03'504	--
05LoM26.3	LoM26.3	Nod	38°20'642	123°03'504	Y
05LoM26.4	MNR6	Nod	38°20'642	123°03'504	--
05LoM26.5	MNR6	Nod	38°20'642	123°03'504	Y
05LoM26.6	LoM26.6	Nod	38°20'642	123°03'504	--
05LoM26.8	MNR6	Nod	38°20'642	123°03'504	--
05LOM26.9	MNR6	Nod	38°20'642	123°03'504	--
05LoM26R1.46	LoM26R1.46	Tip	38°20'642	123°03'504	N
05LoM26R2.50	MRa2	Tip	38°20'642	123°03'504	N
05LoM26R2.51	MRa2	Tip	38°20'642	123°03'504	--
05LoM26R3.1	LoM26R3.1	Tip	38°20'642	123°03'504	--
05LoM26R3.3	LoM26R3.3	Tip	38°20'642	123°03'504	--
05LoM26R3.4	LoM26R3.4	Tip	38°20'642	123°03'504	--
05LoM26R3.6	LoM26R3.6	Tip	38°20'642	123°03'504	--
05LoM26R4.10	HMSNR94	Tip	38°20'642	123°03'504	N
05LoM26R4.8	MNR6	Tip	38°20'642	123°03'504	--
05LoM27.1	HMSNR94	Nod	38°20'623	123°03'495	--
05LoM27.4	AHMN14	Nod	38°20'623	123°03'495	--
05LoM27.5	MNR2	Nod	38°20'623	123°03'495	--
05LoM27R3.29	LoM27R3.29	Tip	38°20'623	123°03'495	--
05LoM27R4.35	MRb2	Old	38°20'623	123°03'495	--
05LoM27R4.36	MRb2	Old	38°20'623	123°03'495	--
05LoM27R4.37	LoM27R4.37	Old	38°20'623	123°03'495	--
05LoM27R6.42	MNR2	Tip	38°20'623	123°03'495	--
05LoM28.1	HMSNR94	Nod	38°20'571	123°03'460	--
05LoM28.13	MNb3	Nod	38°20'571	123°03'460	--
05LoM28.14	LoM28.14	Nod	38°20'571	123°03'460	--
05LoM28.2	HMSNR94	Nod	38°20'571	123°03'460	--
05LoM28.3	AR_HMN3	Nod	38°20'571	123°03'460	--
05LoM28.5	LoM28.5	Nod	38°20'571	123°03'460	--
05LoM28.7	HMSNR94	Nod	38°20'571	123°03'460	--
05LoM28.8	HMSNR94	Nod	38°20'571	123°03'460	--
05LoM28R1.2	HMR2	Tip	38°20'571	123°03'460	--
05LoM28R1.3	HMSR5	Tip	38°20'571	123°03'460	--
05LoM28R2.13	HMSR5b	Tip	38°20'571	123°03'460	--
05LoM28R4.24	LoM28R4.24	Tip	38°20'571	123°03'460	--
05LoS1.2	HMSNR94	Nod	38°19'158	123°03'824	--
05LoS1.8	HMSNR94	Nod	38°19'158	123°03'824	--

05LoS11.1	HMSNR94	Nod	38°19'158	123°03'820	_
05LoS11.14	HMSNR94	Nod	38°19'158	123°03'820	_
05LoS11.5	HMSNR94	Nod	38°19'158	123°03'820	_
05LoS14.1	HSNR34	Nod	38°19'070	123°03'560	Y
05LoS14.10	HMSNR94	Nod	38°19'070	123°03'560	_
05LoS14.11	HN_SNR6	Nod	38°19'070	123°03'560	_
05LoS14.12	HSNR34	Nod	38°19'070	123°03'560	_
05LoS14.13	HSNR34	Nod	38°19'070	123°03'560	_
05LoS14.14	LoS14.14	Nod	38°19'070	123°03'560	_
05LoS14.15	HSNR34	Nod	38°19'070	123°03'560	_
05LoS14.2	HSNR34	Nod	38°19'070	123°03'560	_
05LoS14.3	HSNR34	Nod	38°19'070	123°03'560	_
05LoS14.4	HN_SNR6	Nod	38°19'070	123°03'560	_
05LoS14.5	HSNR34	Nod	38°19'070	123°03'560	_
05LoS14.6	HSNR34	Nod	38°19'070	123°03'560	_
05LoS14.7	HSNR34	Nod	38°19'070	123°03'560	_
05LoS14.8	HSNR34	Nod	38°19'070	123°03'560	_
05LoS14R11.32	HSNR34	Old	38°19'070	123°03'560	_
05LoS14R11.33	HSR2	Old	38°19'070	123°03'560	_
05LoS14R12.40	LoS14R12.40	Old	38°19'070	123°03'560	_
05LoS14R9.27	LoS14R9.27	Old	38°19'070	123°03'560	_
05LoS16.1	HN_SNR6	Nod	38°19'070	123°03'560	_
05LoS16.11	SNR11	Nod	38°19'070	123°03'560	_
05LoS16.14	HMSNR94	Nod	38°19'070	123°03'560	_
05LoS16.15	HSNR34	Nod	38°19'070	123°03'560	_
05LoS16.16	HSNR34	Nod	38°19'070	123°03'560	_
05LoS16.17	HMSNR94	Nod	38°19'070	123°03'560	_
05LoS16.18	SNR11	Nod	38°19'070	123°03'560	_
05Los16.19	HSNR34	Nod	38°19'070	123°03'560	_
05LoS16.2	HSNR34	Nod	38°19'070	123°03'560	_
05LoS16.3	HSNR34	Nod	38°19'070	123°03'560	_
05Los16.6	HSNR34	Nod	38°19'070	123°03'560	_
05LoS16.7	HMSNR94	Nod	38°19'070	123°03'560	_
05LoS16.8	HMSNR94	Nod	38°19'070	123°03'560	_
05LoS16R1.16	HMSNR94	Tip	38°19'070	123°03'560	Y
05LoS16R1.17	LoS16R1.17	Tip	38°19'070	123°03'560	N
05LoS16R10.32	HSNR34	Old	38°19'070	123°03'560	Y
05LoS16R10.36	HN_SNR6	Old	38°19'070	123°03'560	Y
05Los16R12.38	HSNR34	Old	38°19'070	123°03'560	Y
05LoS16R2.18	SRc3	Tip	38°19'070	123°03'560	Y
05LoS16R2.19	SNR11	Tip	38°19'070	123°03'560	Y
05Los16R2.20	HSNR34	Tip	38°19'070	123°03'560	_
05LoS16R2.21	SRc3	Tip	38°19'070	123°03'560	_
05LoS16R3.25	SRd3	Tip	38°19'070	123°03'560	N
05LoS16R8.27	HSRb2	Old	38°19'070	123°03'560	_
05LoS16R8.28	SRd3	Old	38°19'070	123°03'560	N
05LoS2.2	HMSNR94	Nod	38°19'158	123°03'824	_

05LoS2.3	HMSNR94	Nod	38°19'158	123°03'824	_
05LoS20.1	SNR11	Nod	38°19'100	123°03'440	_
05LoS20.2	SNR11	Nod	38°19'100	123°03'440	_
05LoS20.3	SNR11	Nod	38°19'100	123°03'440	_
05LoS20.4	SNR11	Nod	38°19'100	123°03'440	_
05LoS20.5	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS20.6	SNR11	Nod	38°19'100	123°03'440	_
05LoS20.8	HMSNR94	Nod	38°19'100	123°03'440	_
05Los20R3.36	SR3	Tip	38°19'100	123°03'440	_
05LoS20R3.38	HMSR5b	Tip	38°19'100	123°03'440	_
05LoS20R5.43	HMSNR94	Tip	38°19'100	123°03'440	_
05LoS21.1	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS21.2	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS21.3	HMSNR94	Nod	38°19'100	123°03'440	Y
05LoS21.4	HMSNR94	Nod	38°19'100	123°03'440	Y
05LoS21R1.14	HMSNR94	Tip	38°19'100	123°03'440	N
05LoS21R1.15	HMSR5	Tip	38°19'100	123°03'440	N
05LoS21R3.23	LoS21R3.23	Tip	38°19'100	123°03'440	N
05LoS21R3.24	SRc3	Tip	38°19'100	123°03'440	N
05LoS21R3.26	HMSR5b	Tip	38°19'100	123°03'440	N
05LoS21R4.32	SR3b	Tip	38°19'100	123°03'440	_
05LoS21R5.36	HN_SNR6	Tip	38°19'100	123°03'440	Y
05LoS21R5.37	SR3	Tip	38°19'100	123°03'440	N
05LoS21R5.38	SR3	Tip	38°19'100	123°03'440	N
05LoS21R6.40	LoS21R6.40	Tip	38°19'100	123°03'440	_
05LoS21R6.41	HMSNR94	Tip	38°19'100	123°03'440	N
05LoS21R6.42	SR2	Tip	38°19'100	123°03'440	N
05LoS21R6.43	HMSNR94	Tip	38°19'100	123°03'440	Y
05LoS22.10	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS22.11	HMSNR94	Nod	38°19'100	123°03'440	Y
05LoS22.12	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS22.13	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS22.2	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS22.3	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS22.4	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS22.5	HMSNR94	Nod	38°19'100	123°03'440	Y
05LoS22.6	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS22.7	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS22.8	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS22.9	HMSNR94	Nod	38°19'100	123°03'440	_
05LoS22R1.2	LoS22R1.2	Tip	38°19'100	123°03'440	N
05LoS22R3.12	HMSNR94	Tip	38°19'100	123°03'440	Y
05LoS22R5.22	HMSNR94	Tip	38°19'100	123°03'440	Y
05LoS22R7.31	HMSNR94	Tip	38°19'100	123°03'440	Y
05LoS22R8.36	HMSNR94	Old	38°19'100	123°03'440	Y
05LoS23.10	HMSNR94	Nod	38°19'100	123°03'440	Y
05LoS23.11	HMSNR94	Nod	38°19'100	123°03'440	_

05LoS23.12	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS23.2	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS23.3	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS23.5	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS23.6	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS23.7	HMSNR94	Nod	38°19'100	123°03'440	Y
05LoS23.8	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS23.9	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS23R3.45	SR5	Tip	38°19'100	123°03'440	N
05LoS23R3.47	SR5	Tip	38°19'100	123°03'440	N
05LoS23R3.49	SR5	Tip	38°19'100	123°03'440	Y
05LoS23R4.50	HMSNR94	Tip	38°19'100	123°03'440	Y
05LoS23R5.3	HMSNR94	Old	38°19'100	123°03'440	Y
05LoS23R5.4	HMSNR94	Old	38°19'100	123°03'440	Y
05LoS23R7.12	HMSNR94	Tip	38°19'100	123°03'440	Y
05LoS23R8.14	HMSNR94	Tip	38°19'100	123°03'440	--
05LoS24.1	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS24.2	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS24.3	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS24.5	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS24.6	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS24R1.19	SR2b	Tip	38°19'100	123°03'440	--
05LoS24R2.25	LoS24R2.25	Tip	38°19'100	123°03'440	--
05LoS24R2.27	SR9	Tip	38°19'100	123°03'440	--
05LoS24R3.28	SR5	Tip	38°19'100	123°03'440	Y
05LoS24R3.29	SR9	Tip	38°19'100	123°03'440	N
05LoS24R3.31	SR9	Tip	38°19'100	123°03'440	--
05LoS24R3.32	SR9	Tip	38°19'100	123°03'440	--
05LoS24R5.41	SR9	Old	38°19'100	123°03'440	--
05LoS24R5.42	SR2b	Old	38°19'100	123°03'440	--
05LoS24R5.43	SR9	Old	38°19'100	123°03'440	--
05LoS24R8.1	SRd3	Tip	38°19'100	123°03'440	N
05LoS24R8.3	SR9	Tip	38°19'100	123°03'440	--
05LoS24R8.4	SR9	Tip	38°19'100	123°03'440	--
05LoS24R8.5	SR9	Tip	38°19'100	123°03'440	--
05LoS25.1	HMSNR94	Nod	38°19'100	123°03'440	Y
05LoS25.10	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS25.2	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS25.3	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS25.4	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS25.5	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS25.6	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS25.7	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS25.8	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS25.9	HMSNR94	Nod	38°19'100	123°03'440	--
05LoS25R1.8	Los25R1.8	Tip	38°19'100	123°03'440	--
05LoS25R2.13	HMSNR94	Tip	38°19'100	123°03'440	Y
05LoS25R2.15	SR3b	Tip	38°19'100	123°03'440	--

05LoS25R3.19	SR2	Tip	38°19'100	123°03'440	_
05LoS25R5.28	SR5	Tip	38°19'100	123°03'440	N
05LoS25R5.29	LoS25R5.29	Tip	38°19'100	123°03'440	_
05LoS25R5.30	SR3b	Tip	38°19'100	123°03'440	_
05LoS3.1	HMSNR94	Nod	38°19'158	123°03'824	Y
05LoS3.3	LoS3.3	Nod	38°19'158	123°03'824	Y
05LoS4.2	SN2	Nod	38°19'158	123°03'824	Y
05LoS4.3	SN2	Nod	38°19'158	123°03'824	_
05LoS7.3	SNR11	Nod	38°19'158	123°03'820	_
05LoS7.4	SNR11	Nod	38°19'158	123°03'820	Y
05LoS7.9	SNR11	Nod	38°19'158	123°03'820	_
05LoS8.1	HMSNR94	Nod	38°19'158	123°03'820	_
05LoS8.14	HMSNR94	Nod	38°19'158	123°03'820	_
05LoS8.7	HMSNR94	Nod	38°19'158	123°03'820	_
AF208504	AF208504	NA	NA	NA	_
AF208505	AF208505	NA	NA	NA	_
AF208508	AF208508	NA	NA	NA	_
AF208511	AF208511	NA	NA	NA	_
AF208512	AF208512_Belk	NA	NA	NA	_
AF208513	AF208513	NA	NA	NA	_
AF208515	AF208515	NA	NA	NA	_
AF208517	AF208517	NA	NA	NA	_
AF208518	AF208518Belk	NA	NA	NA	_
AF293376.1	AF293376.1_Belk	NA	NA	NA	_
AF293377	AF293377	NA	NA	NA	_
AF293378.1	AF293378.1	NA	NA	NA	_
AF293380.1	AF293380.1_Belk	NA	NA	NA	_
AF293381	AF293381	NA	NA	NA	_
AF293382.1	AF293382.1	NA	NA	NA	_
U69638.3	U69638.3	NA	NA	NA	_
Z35330.1	Z35330.1	NA	NA	NA	_

TABLE LEGENDS:

Table 1. Plant numbers and species collected at each unique GPS site.

Table 2. Number of isolates and sequenced haplotypes from each sampled community. All = all samples, Nodule = nodule samples, Root surface = root-surface biofilm samples, Root tips = root-surface samples from the distal 1cm of the root, Old roots = root-surface samples from proximal (non-tip) root sections, I = number of isolates, H = Haplotypes recovered, H/I = recovered haplotypes divided by total isolates, LoA = *Lotus angustissimus*, LoM = *L. micranthus*, LoH = *L. heermannii*, LoS = *L. strigosus*.

Table 3. Sampling type and spatial location of all sequenced isolates. Isolate source = year (2005=05), plant species (LoA = *Lotus angustissimus*, LoM = *L. micranthus*, LoH = *L. heermannii*, LoS = *L. strigosus*), and

nodule or root surface numbers. Genotype ID = isolate name when unique, whereas multiply recovered genotypes are named with the host species (A, M, H, S), isolate type(s) (N = nodule, R = root surface) and the total number of isolates that share the genotype. GenBank isolates are labeled with their accession numbers. Nod/old/tip = isolation type (nod = nodule, old = mature portion of the root surface, tip = root surface tip. Lat = latitude and Long = longitude. Nod =Nodulation status (Y = positive nodulation in all five test plants, N = lack of nodulation in all five test plants).