

## Additional file 1: Associated MIGS record

**Table S1. Associated MIGS record for *Bradyrhizobium* sp. Th.b2**

MIGS-ID	field name	description
<b>MIGS-1</b>	Submit to INSDC/Trace archives	
1.1	PID	
1.2	Trace Archive	
<b>MIGS-2</b>	MIGS CHECK LIST TYPE	
<b>MIGS-3</b>	Project Name	GEBA - Root Nodulating Bacteria
<b>MIGS-4</b>	Geographic Location	Johnson City, New York
4.1	Latitude	42.107
4.2	Longitude	- 75.9691
4.3	Depth	
4.4	Altitude	
<b>MIGS-5</b>	Time of Sample collection	
<b>MIGS-6</b>	Habitat (EnvO)	Soil, root nodule, host
6.1	temperature	28
6.2	pH	
6.3	salinity	
6.4	chlorophyll	
6.5	conductivity	
6.6	light intensity	
6.7	dissolved organic carbon (DOC)	
6.8	current	
6.9	atmospheric data	
6.10	density	
6.11	alkalinity	
6.12	dissolved oxygen	
6.13	particulate organic carbon (POC)	
6.14	phosphate	
6.15	nitrate	
6.16	sulfates	
6.17	sulfides	
6.18	primary production	
<b>MIGS-7</b>	Subspecific genetic lineage	
<b>MIGS-9</b>	Number of replicons	
<b>MIGS-10</b>	Extrachromosomal elements	
<b>MIGS-11</b>	Estimated Size	
<b>MIGS-12</b>	Reference for biomaterial or Genome report	
<b>MIGS-13</b>	Source material identifiers	
<b>MIGS-14</b>	Known Pathogenicity	Non-pathogen
<b>MIGS-15</b>	Biotic Relationship	Symbiotic
<b>MIGS-16</b>	Specific Host	<i>Amphicarpaea bracteata</i>
<b>MIGS-17</b>	Host specificity or range (taxid)	
<b>MIGS-18</b>	Health status of Host	
<b>MIGS-19</b>	Trophic Level	
<b>MIGS-22</b>	Relationship to Oxygen	Aerobe
<b>MIGS-23</b>	Isolation and Growth conditions	TY media, 28°C, aerobe
<b>MIGS-27</b>	Nucleic acid preparation	CTAB
<b>MIGS-28</b>	Library construction	Illumina Standard PE libraries

28.1	Library size	3,052.2Mbp
28.2	Number of reads	20,348,156
28.3	vector	
<b>MIGS-29</b>	Sequencing method	Illumina HiSeq2000
<b>MIGS-30</b>	Assembly	
		Velvet version 1.1.04; Allpaths-LG version r42328
30.1	Assembly method	
30.2	estimated error rate	
30.3	method of calculation	
<b>MIGS-31</b>	Finishing strategy	
31.1	Status	Permanent Draft
31.2	coverage	120.4x
31.3	contigs	274
<b>MIGS-32</b>	Relevant SOPs	
<b>MIGS-33</b>	Relevant e-resources	