

Additional file 1: Associated MIGS record

Table S1. Associated MIGS record for *Bradyrhizobium* sp. Tv2a.2

MIGS-ID	field name	description
MIGS-1	Submit to INSDC/Trace archives	
1.1	PID	
1.2	Trace Archive	
MIGS-2	MIGS CHECK LIST TYPE	
MIGS-3	Project Name	GEBA - Root Nodulating Bacteria
MIGS-4	Geographic Location	Barro Colorado Island, Panama
4.1	Latitude	9.1727
4.2	Longitude	- 79.8568
4.3	Depth	
4.4	Altitude	
MIGS-5	Time of Sample collection	
MIGS-6	Habitat (EnvO)	Soil, root nodule, host
6.1	temperature	28
6.2	pH	5-8
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	
MIGS-7	Subspecific genetic lineage	
MIGS-9	Number of replicons	
MIGS-10	Extrachromosomal elements	
MIGS-11	Estimated Size	
MIGS-12	Reference for biomaterial or Genome report	
MIGS-13	Source material identifiers	
MIGS-14	Known Pathogenicity	Non-pathogen

MIGS-15	Biotic Relationship	Symbiotic <i>Tachigali versicolor</i>
MIGS-16	Specific Host	
MIGS-17	Host specificity or range (taxid)	
MIGS-18	Health status of Host	
MIGS-19	Trophic Level	
MIGS-22	Relationship to Oxygen	Aerobe TY media, 28°C, aerobe
MIGS-23	Isolation and Growth conditions	CTAB
MIGS-27	Nucleic acid preparation	
MIGS-28	Library construction	Illumina Standard PE
28.1	Library size	1250.45 Mbp 8,336,316
28.2	Number of reads	
28.3	vector	
MIGS-29	Sequencing method	Illumina HiSeq2000
MIGS-30	Assembly	
30.1	Assembly method	Velvet version 1.1.04; Allpaths-LG version r39750
30.2	estimated error rate	
30.3	method of calculation	
MIGS-31	Finishing strategy	High-quality permanent draft 109.04x 87
31.1	Status	
31.2	coverage	
31.3	contigs	
MIGS-32	Relevant SOPs	
MIGS-33	Relevant e-resources	