

**Table S1.** Associated MIGS record

<b>MIGS-ID</b>	<b>field name</b>	<b>description</b>
<b>MIGS-1</b>	Submit to INSDC/Trace archives	
<b>1.1</b>	PID	
<b>1.2</b>	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	Uruguay
<b>4.1</b>	Latitude	-30.507
<b>4.2</b>	Longitude	-57.71
<b>4.3</b>	Depth	
<b>4.4</b>	Altitude	
<b>MIGS-5</b>	Time of Sample collection	
<b>MIGS-6</b>	Habitat (EnvO)	Artigas native forest
<b>6.1</b>	Temperature	28
<b>6.2</b>	pH	5-8
<b>6.3</b>	Salinity	
<b>6.4</b>	Chlorophyll	
<b>6.5</b>	Conductivity	
<b>6.6</b>	Light intensity	
<b>6.7</b>	Dissolved organic carbon (DOC)	
<b>6.8</b>	Current	
<b>6.9</b>	Atmospheric data	
<b>6.10</b>	Density	
<b>6.11</b>	Alkalinity	
<b>6.12</b>	Dissolved oxygen	
<b>6.13</b>	Particulate organic carbon (POC)	
<b>6.14</b>	Phosphate	
<b>6.15</b>	Nitrate	
<b>6.16</b>	Sulfates	
<b>6.17</b>	Sulfides	
<b>6.18</b>	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	7.9 Mbp
<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>Parapiptadenia rigida</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 medium [10], 28°C, aerobe
<b>MIGS-27</b>	Nucleic acid preparation	CTAB
<b>MIGS-28</b>	Library construction	Illumina Std PE
<b>28.1</b>	Library size	4,386.9 Mbp
<b>28.2</b>	Number of reads	29,312,424
<b>28.3</b>	Vector	
<b>MIGS-29</b>	Sequencing method	Illumina HiSeq 2000
<b>MIGS-30</b>	Assembly	
<b>30.1</b>	Assembly method	Velvet version 1.1.04, ALLPATHS-LG V.r41043
<b>30.2</b>	Estimated error rate	
<b>30.3</b>	Method of calculation	
<b>MIGS-31</b>	Finishing strategy	
<b>31.1</b>	Status	High-quality Permanent Draft
<b>31.2</b>	Coverage	106.8X
<b>31.3</b>	Contigs	369
<b>MIGS-32</b>	Relevant SOPs	
<b>MIGS-33</b>	Relevant e-resources	