

Table S1. Associated MIGS record

MIGS-ID	Field name	Description
MIGS-1	Submit to INSDC/Trace archives	JXBL00000000
MIGS-2	MIGS CHECK LIST TYPE	
MIGS-3	Project Name	<i>Geobacter</i> sp. GSS01 Genome sequencing
MIGS-4	Geographic Location	
	4.1 Latitude	23.37° N
	4.2 Longitude	112.70° E
	4.3 Depth	3.5 m beneath the surface
	4.4 Altitude	11 m
MIGS-5	Time of Sample collection	Mar 14, 2013
MIGS-6	Habitat (EnvO)	Forest soil
	6.1 temperature	Mean annual temperature is 21°C
	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	
MIGS-7	Subspecific genetic lineage	Strain GSS01 ^T
MIGS-9	Number of replicons	1
MIGS-10	Extrachromosomal elements	0
MIGS-11	Estimated Size	3657100 bp
MIGS-12	Reference for biomaterial or Genome report	
MIGS-13	Source material identifiers	Strain GSS01 ^T
MIGS-14	Known Pathogenicity	Not reported
MIGS-15	Biotic Relationship	
MIGS-16	Specific Host	
MIGS-17	Host specificity or range (taxid)	
MIGS-18	Health status of Host	

MIGS-19	Trophic Level	Chemoheterotroph
MIGS-22	Relationship to Oxygen	Anaerobic
MIGS-23	Isolation and Growth conditions	[3]
MIGS-27	Nucleic acid preparation	DNA extraction kit (Aidlab)
MIGS-28	Library construction	
		Two libraries with insert size
28.1	Library size	463 bp and 6712 bp
28.2	Number of reads	463 bp library: 5118074 reads;
28.3	vector	6712 bp library: 2574528 reads
MIGS-29	Sequencing method	Illumina Hiseq 2000
MIGS-30	Assembly	
30.1	Assembly method	SOAPdenovo 2.04
30.2	estimated error rate	
30.3	method of calculation	
MIGS-31	Finishing strategy	
31.1	Status	High-Quality draft
31.2	coverage	165×
31.3	contigs	15
MIGS-32	Relevant SOPs	
MIGS-33	Relevant e-resources	