



Fig. S1. PCR-DGGE analysis of the soil slurries spiked with 0 (lane a), 50 (lane b), 500 (lane c), and 5,000 μM As(III) (lane d) incubated for 11 days (A) and 22 days (B).

Table S1. 16S rRNA genes of As(III)-resistant bacteria isolated from the slurry incubated with 5,000 μ M As(III)

Isolates	Length (bases)	Most closely related organisms in GenBank database	Accession no.	Similarity (%)
1	136	<i>Bacillus thioeparans</i>	KM374719	100
2	140	<i>Bacillus niacini</i>	AY167817	99
3	134	<i>Bacillus niacini</i>	AY167817	99
4	138	<i>Bacillus thioeparans</i>	KM374719	93
5	134	<i>Bacillus niacini</i>	AY167817	100
6	134	<i>Bacillus niacini</i>	AY167817	99
7	134	<i>Bacillus licheniformis</i>	KM505054	99
8	128	<i>Rhodococcus erythropolis</i>	GU944896	98
9	140	<i>Bacillus niacini</i>	AY167817	99
10	141	<i>Bacillus niacini</i>	AY167817	98
11	138	<i>Bacillus niacini</i>	AY167817	99
12	138	<i>Bacillus niacini</i>	AY167817	99
13	148	<i>Bacillus niacini</i>	AY167817	97
14	126	<i>Rhodococcus equi</i>	AB999844	98
15	135	<i>Bacillus niacini</i>	AY167817	99
16	132	<i>Bacillus niacini</i>	AY167817	98
17	133	<i>Bacillus niacini</i>	AY167817	99
18	138	<i>Bacillus niacini</i>	AY167817	99