Figure 3. Selenium volatilization rates among bacterial strains isolated from the soil-rabbitfoot grass system. Microbial volatilization measurements conducted over 24 hours demonstrated B. cereus as the best Se volatilizing species at p < 0.05. The data in the figure are means and standard deviation (n=3).

Unit: µg/d

Strain	AVG	STD
Pseudomonas putida	1.7927	0.675
Bacillus megaterium	0.6291	0.2359
Pseudomonas tessidea	0.5681	6.66E-03
Paenibacillus barcinonensis	1.2311	0.8007
Bacillus subtilis	0.3135	0.0337
Uncultured baterium clone	1.8521	1.277
Bacillus cereus	964.8245	116.0684
Methylobacterium sp.	1.3898	0.5466
Streptomyces graminearus	1.3898	0.5466

Figure 4. Cumulative selenium mass volatilized from the soil-Indian mustard (*B. juncea*). The data are means and standard deviations (n=4).

Unit: ng/pot

Days after Se	Soil without plant		Soil with plant		Bacterial inoculated soil and plant	
application	AVG	STD	AVG	STD	AVG	STD
1	113.4842	74.6276	765.0559	181.8255	871.7523	314.8322
2	264.8937	151.1986	2323.2628	491.479	2688.5771	651.5065
3	421.4391	236.4615	4089.5335	614.2753	5080.2214	1077.6051
4	537.2794	290.1994	5247.4535	654.8666	7298.6695	968.4868
5	639.653	327.9118	6570.9262	774.2007	9558.492	1228.097
6	714.0384	335.5433	8055.4802	862.0112	11669.1938	1405.9393
7	766.575	348.6922	9725.7535	592.7644	13572.927	1776.7386

SI Figure 1. Sorensen's coefficient (CS) of rhizosphere soil from each treatment. Percentage of similarities for the unvegetated soil without Se treatment (or Soil), the unvegetated soil treated with 5 mg kg⁻¹ Se (or Soil + Se), and the rabbitfoot grass soil with 5 mg kg⁻¹ Se treatment (or Soil+Se+RFG) groups after 4 weeks.

Unit: %

Without Se rabbitfoot grass	64.4813
With Se rabbitfoot grass	75.55
Soil + selenium	65.7778