

Leguminosae native nodulating bacteria from a gold mine
As-contaminated soil: multi-resistance to trace elements, and possible
role in plant growth and mineral nutrition.

Supplementary material

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Supplemental material

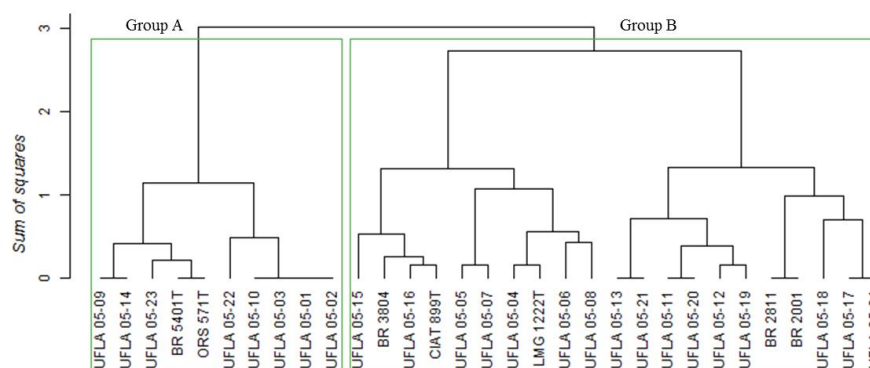


Figure S1-S 1. Dendrogram based on colony characteristics of strains isolated from nodules of *S. aeterrimum* and *C. spectabilis* plants growing on As-contaminated soil. Reference and type strains are *Azorhizobium* (BR 5401^T and ORS 571^T), *Bradyrhizobium* (BR 2001 and BR 2811), *Mesorhizobium* (BR 3804), *Rhizobium* (CIAT 899^T), and *Burkholderia* (LMG 1222^T).

Table S1-S 1. Main colony characteristics of the strains of groups A and B formed by cluster dendrogram.

Strains	Colony characteristics of the strains of the group A		Strains	Colony characteristics of the strains of the group B	
	1	2		1	2
UFLA 05-22	Alkaline	Little amount	UFLA 05-13	Neutral	Abundant
UFLA 05-10	Alkaline	Little amount	UFLA 05-12	Neutral	Moderate
UFLA 05-03	Alkaline	Little amount	UFLA 05-11	Alkaline	Moderate
UFLA 05-01	Alkaline	Little amount	UFLA 05-19	Alkaline	Moderate
UFLA 05-02	Alkaline	Little amount	UFLA 05-20	Alkaline	Moderate
UFLA 05-21	Alkaline	Little amount	BR 2811	Alkaline	Abundant
UFLA 05-09	Alkaline	Little amount	BR 2001	Alkaline	Abundant
UFLA 05-14	Alkaline	Little amount	UFLA 05-18	Alkaline	Abundant
UFLA 05-23	Alkaline	Little amount	UFLA 05-17	Alkaline	Little amount
BR 5401 ^T	Alkaline	Scarce	UFLA 05-24	Alkaline	Little amount
ORS 571 ^T	Alkaline	Scarce	UFLA 05-15	Acid	Little amount
			BR 3804	Acid	Abundant
			UFLA 05-16	Acid	Abundant
			CIAT 899 ^T	Acid	Abundant
			UFLA 05-05	Acid	Little amount
			UFLA 05-07	Acid	Moderate
			UFLA 05-04	Neutral	Moderate
			LMG 1222 ^T	Neutral	Moderate
			UFLA 05-06	Acid	Moderate
			UFLA 05-08	Alkaline	Moderate

1 - pH on 79 solid medium after growth; 2 - Exopolysaccharides production.