



# Royal Netherlands Academy of Arts and Sciences (KNAW) KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN

## Assessing nickel tolerance of bacteria isolated from serpentine soils

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### **published in**

Brazilian Journal of Microbiology  
2019

### **DOI (link to publisher)**

[10.1007/s42770-019-00111-4](https://doi.org/10.1007/s42770-019-00111-4)

### **document version**

Publisher's PDF, also known as Version of record

[Link to publication in KNAW Research Portal](#)

### **citation for published version (APA)**

Silva Costa, F., Figueiredo Sena Macedo, M. W., Araujo, A., Rodrigues, C., Kuramae, E. E., Alcanfor, S., Pessoa-Filho, M., & Barreto, C. C. (2019). Assessing nickel tolerance of bacteria isolated from serpentine soils. *Brazilian Journal of Microbiology*, 50(3), 705-713. <https://doi.org/10.1007/s42770-019-00111-4>

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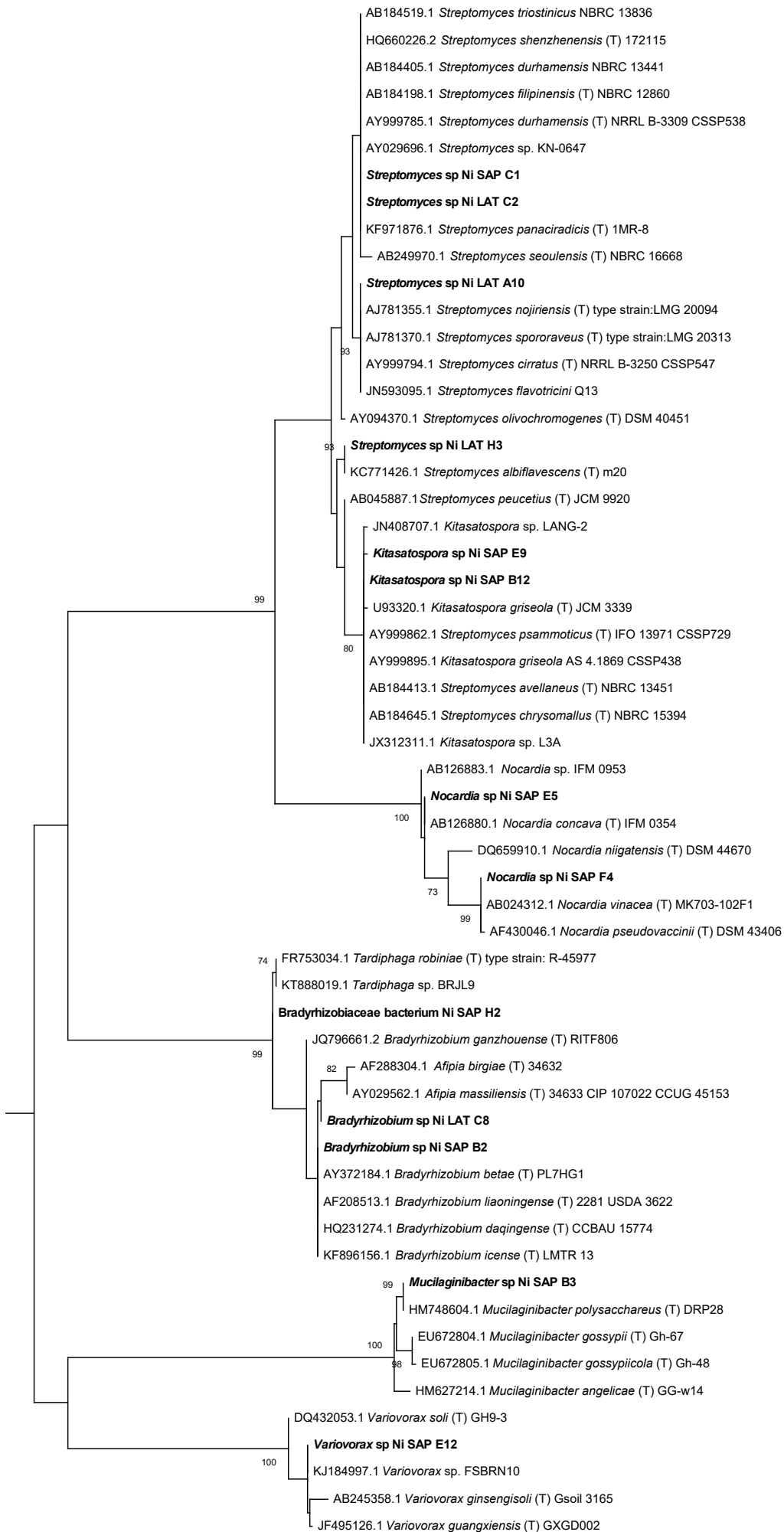
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0.050

**Figure S2.** Phylogenetic tree based on 16S rRNA gene sequences of thirteen elected isolates that were evaluated for nickel tolerance. The evolutionary history was inferred using the Maximum-likelihood method. The percentage of replicate trees in which the associated taxa clustered together in the bootstrap test (1000 replicates) are shown next to the branches. The tree is drawn to scale, with branch lengths in the same units as those of the evolutionary distances used to infer the phylogenetic tree.

**Supplementary Information:** Costa et al.

**Table S1.** Finest taxonomical classification obtained for the identified morphotypes isolated from two serpentine sites with and without the amendment of nickel.

Phylum	Classification	Number of isolates			
		SAP - Ni (n=29)	SAP +Ni (n=24)	LAT - Ni (n=36)	LAT +Ni (n=16)
Actinobacteria	<i>Arthrobacter</i> sp.	8	9	15	3
	<i>Streptomyces</i> sp.	0	2	0	4
	<i>Kitasatospora</i>	0	1	0	1
	<i>Nocardia</i>	0	2	0	0
	Unclas. Promicromonosporaceae	0	0	2	0
	Unclas. Micrococcaceae	0	4	2	1
	Unclas. Actinomycetales	2	1	1	0
Proteobacteria	<i>Bradyrhizobium</i> sp.	2	0	0	2
	<i>Mesorhizobium</i> sp.	0	0	2	0
	<i>Methylobacterium</i> sp.	0	0	0	1
	<i>Phenylobacterium</i> sp.	0	0	3	0
	Unclas. Bradyrhizobiaceae	1	1	1	3
	Unclas. Rhizobiaceae	0	1	1	0
	Unclas. Alphaproteobacteria	3	0	0	0
	<i>Variovorax</i> sp.	0	1	0	0
	Unclas. Burkholderiales	2	0	0	0
	<i>Lysobacter</i> sp.	0	0	1	0
	<i>Pseudomonas</i> sp.	3	0	0	0
	Unclas. Pseudomonadaceae	1	0	0	0
	Unclas. Xanthomonadaceae	0	0	1	0
	Unclas. Gammaproteobacteria	0	0	2	0
	Bacteroidetes	<i>Mucilaginibacter</i> sp.	0	2	2
<i>Heliimonas</i> sp.		1	0	0	0
Unclas. Sphigobacteriaceae		1	0	0	0
Unclas. Chitinophagaceae		1	0	0	0
Firmicutes	<i>Paenibacillus</i> sp.	2	0	0	0
	<i>Cohnella</i> sp.	0	0	2	0
	<i>Bacillus</i> sp.	0	0	1	0
	<i>Brevibacillus</i> sp.	2	0	0	0
Acidobacteria	Unclas. Acidobacteria_Gp1	0	0	0	1