

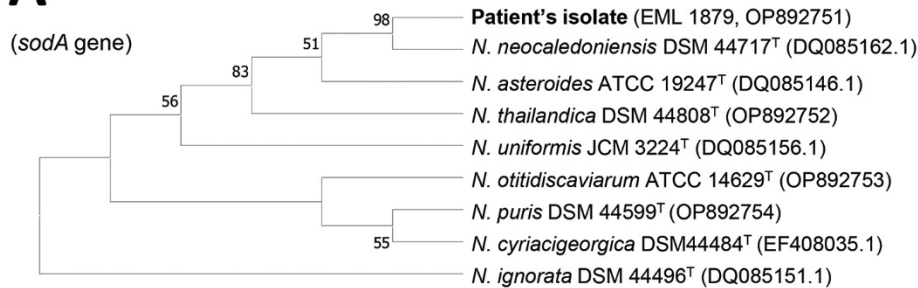
Nocardia neocaledoniensis as Rare Cause of Spondylodiscitis

Appendix

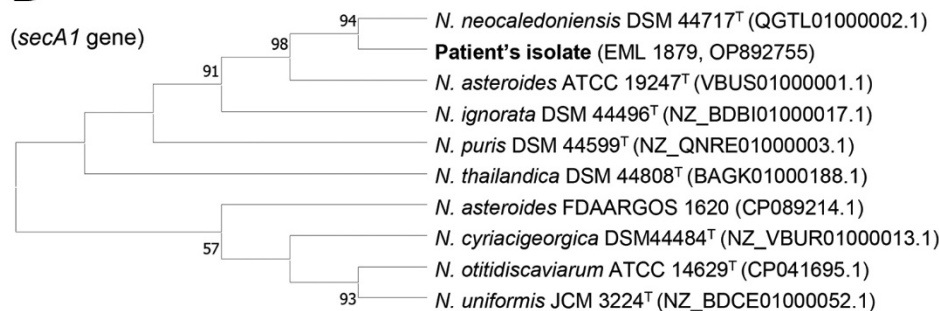
Appendix Table. Primers used in this study for the DNA sequencing

Gene and primers	Sequences (5' →3')	Reference
16S rRNA		(1)
VIV8F	AGAGTTTGATCMTGGCTCAG	
V1V8R	GGGCGGWTGTACAAGGC	
V3V4F	CGGCCAGACTCCTACGGGAGGCAGCA	
V3-V4R	GCGTGGACTACCAGGTATCTAATCC	
Noc1F	GCTTAACACATGCAAGTCG	
Noc2R	GAATTCCAGTCTCCCCTG	
<i>sodA</i>		(3)
SODF	CACCAYWSCAAGCACCA	
SODR	CCTTGACGTTCTGGTACTG	
<i>secA1</i>		(4)
M13F	GTAAAACGACGACCAGGACAGYAGTGGATGGGYCGSGTGCACCG	
M13R	CAGGAAACAGCTATGCGGCGGACGATGTAGTCCTTGTC	

A



B



Appendix Figure. Alignment of 386 bp of the *sodA* (A) and 468 bp of the *secA1* genes (B) of the patient's isolate (strain EML 1879) with the *sodA* and *secA1* genes sequences of a set of reference strains of *Nocardia* species according to the Sánchez-Herrera's instructions (5). The evolutionary history

was inferred using the Neighbor-Joining method, Kimura's two-parameter model and bootstrap of 1000. Branches corresponding to partitions reproduced in less than 50% bootstrap replicates were collapsed.

References

1. Sune D , Rydberg H , Augustinsson AN, Serrander L, Jungeström MB. Optimization of 16S rRNA gene analysis for use in the diagnostic clinical microbiology service. J Microbiol Methods. 2020;170:105854.
2. Rodríguez-Nava V, Couble A, Devulder G, Flandrois JP, Boiron P, Laurent F. Use of PCR-restriction enzyme pattern analysis and sequencing database for *hsp65* gene-based identification of *Nocardia* species. J Clin Microbiol. 2006;44:536–46. [PubMed https://doi.org/10.1128/JCM.44.2.536-546.2006](https://doi.org/10.1128/JCM.44.2.536-546.2006)
3. Sánchez-Herrera K, Sandoval H, Mouniee D, Ramírez-Durán N, Bergeron E, Boiron P, et al. Molecular identification of *Nocardia* species using the *sodA* gene: identificación molecular de especies de *Nocardia* utilizando el gen *sodA*. New Microbes New Infect. 2017;19:96–116. [PubMed https://doi.org/10.1016/j.nmni.2017.03.008](https://doi.org/10.1016/j.nmni.2017.03.008)
4. Conville PS, Zelazny AM, Witebsky FG. Analysis of *secA1* gene sequences for identification of *Nocardia* species. J Clin Microbiol. 2006;44:2760–6. [PubMed https://doi.org/10.1128/JCM.00155-06](https://doi.org/10.1128/JCM.00155-06)
5. Sánchez-Herrera K, Sandoval H, Mouniee D, Ramírez-Durán N, Bergeron E, Boiron P, et al. Molecular identification of *Nocardia* species using the *sodA* gene: Identificación molecular de especies de *Nocardia* utilizando el gen *sodA*. New Microbes New Infect. 2017;19:96–116. [PubMed https://doi.org/10.1016/j.nmni.2017.03.008](https://doi.org/10.1016/j.nmni.2017.03.008)