The status of the species *Hyphomonas rosenbergii* Weiner et al. 2000. Request for an Opinion

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On the basis of 16S rRNA gene sequence analysis and several key phenotypic features, it was ascertained that the culture cited as the type strain of the species *Hyphomonas rosenbergii*, ATCC 43869, does not conform to the description of the species, [Weiner, R. M., Melick, M., O’Neill, K. & Quintero, E. (2000). *Int J Syst Evol Microbiol* 50, 459–469]. The type strain does not exist in any other established culture collection or with the authors who described this species. Therefore, it cannot be included in any scientific study. It is proposed that the Judicial Commission place the name *Hyphomonas rosenbergii* on the list of rejected names if a suitable replacement type strain is not found or a neotype is not proposed within two years following the publication of this Request for an Opinion.

The species *Hyphomonas rosenbergii* was described by Weiner et al. (2000) based on a single strain, VP6<sup>T</sup>, as an aerobic, Gram-stain-negative bacterium possessing prolate-spheroid-shaped cells. The GenBank/EMBL/DDBJ accession number for the 16S rRNA gene sequence of strain VP6<sup>T</sup> is AF082749. In the protologue of the effective publication, only one culture collection number was given for the type strain, ATCC 43869<sup>T</sup>. It was collected later by the DSMZ under accession number DSM 17769<sup>T</sup>. It was later found that ATCC 43869<sup>T</sup> did not conform to the description of the type strain of *Hyphomonas rosenbergii*. The resequenced 16S rRNA gene sequence of ATCC 43869<sup>T</sup> (under GenBank accession number KF880383) shows only 92.84% similarity to the original 16S rRNA gene sequence (Li et al., 2014). The 16S rRNA gene sequence of DSM 17769<sup>T</sup> was identical with our result (KF880383) (http://www.dsmz.de/catalogues/details/culture/DSM-17769.html). The newly obtained 16S rRNA gene sequence of strain ATCC 43869<sup>T</sup> showed the highest similarity with that of *Henriciella marina* Iso4<sup>T</sup> (98.4%). This result was communicated to the corresponding author of the original description (Weiner et al., 2000). Unfortunately, all attempts to replace the type strain have been unfruitful.

According to Rule 18c of the International Code of Nomenclature of Bacteria (Lapage et al., 1992), if a suitable replacement type strain or a neotype cannot be found or proposed, respectively, within two years of the publication of this Request for an Opinion, it is proposed that the Judicial Commission places the name *Hyphomonas rosenbergii* on the list of rejected names.

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REFERENCES

