

# Sororendozoicomonas aggregata sp. nov.

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Table 1: Complete list of names proposed in the current register list.

| Proposed Taxon                      | Etymology   | Description   | Parent Taxon               | Type   | Registry URL  |
|-------------------------------------|---|---|----------------------------|--|---|
| Genus<br><i>Sororendozoicomonas</i> | [So.ror.en.do.zo.i.co.mo'nas]<br>L. fem. n. <i>soror</i> , sister; L. fem. n. <i>Endozoicomonas</i> , a bacterial genus; L. fem. n. <i>Sororendozoicomonas</i> , Sister taxon of Endozoicomonas genus | <i>Sororendozoicomonas</i> (So.ror.en.do.zo.i.co.mo'nas. L. fem. n. <i>soror</i> , sister; <i>Endozoicomonas</i> , taxonomic name of a bacterial genus; <i>Sororendozoicomonas</i> referring to the close relationship to the bacterial genus <i>Endozoicomonas</i> ).<br><br>The genus <i>Sororendozoicomonas</i> represents a distinct lineage within the Endozoicomonadaceae family, sister to <i>Endozoicomonas</i> , supported by concatenated marker gene phylogenies as well as 16S rRNA gene phylogeny in the present study. <i>Sororendozoicomonas</i> show similar functional and metabolic potential to <i>Endozoicomonas</i> species. The new genus contains two strains isolated from <i>Pocillopora</i> corals (Pac-P3-11-1, from the present study, and Endozoicomonadaceae SCSIO12664) and potentially additional strains isolated from Red Sea <i>Stylophora pistillata</i> (only 16S rRNA gene sequences are available - KC669256.1, KC669230.1, KC669217.1, KC669131.1). | <i>Endozoicomonadaceae</i> | <i>Sororendozoicomonas aggregata</i> <sup>Ts</sup> | <a href="https://seqco.de/i:32314">seqco.de/i:32314</a> |

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|---|---|---|---------------------------------|---|--|
| <p>Species<br/> <i>Sororendoziomonas aggregata</i><sup>Ts</sup></p> | <p>[ag.gre.ga'ta] L. part. adj. <i>aggregata</i>, joined together</p> | <p><i>Sororendoziomonas aggregata</i> (ag.gre.ga'ta. L. fem. part. adj. <i>aggregata</i>, joined together, referring to the ability to form aggregates within coral tissues). The new species contains two strains isolated from <i>Pocillopora</i> corals (Pac-P3-11-1, from the present study, and Endozoicomonadaceae SCSIO12664).</p> <p>Type strain: Pac_P3-11-1, isolated from tissues of the coral <i>Pocillopora acuta</i>, collected from Orpheus Island, Australia (18°36'16.26" S, 146°29'24.27" E). Taxonomic assignment based on concatenated marker gene phylogenies as well as 16S rRNA gene phylogeny. Grows on Marine Agar 2216 (Difco) between 23°C and 28°C, forming circular, white, raised, sticky colonies with entire margins.</p> | <p><i>Sororendoziomonas</i></p> | <p>NCBI Assembly:<br/> GCA_031528575.1<sup>Ts</sup></p> | <p><a href="https://seqco.de/i:32313">seqco.de/i:32313</a></p> |