

# Acidiparvus gen. 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 <i>Acidiparvus</i>	[A.ci.di.par'vus] <b>N.L. neut. adj.</b> <i>Acidum</i> , sour, acid; <b>N.L. masc. adj.</b> <i>parvus</i> , small, unimportant; <b>N.L. masc. n.</b> <i>Acidiparvus</i> , <i>Acidiparvus</i> , a genus in the acid-loving Acidobacteriota with small genome size	This is a novel genus describing a genome streamlined Acidobacteriota lineage having extremely small genome size and limited metabolic capacities, mainly found in freshwater environments.	<i>Holophagaceae</i>	<i>Acidiparvus lacustris</i> <sup>Ts</sup>	<a href="https://seqco.de/i:33344">seqco.de/i:33344</a>
Species <i>Acidiparvus fluvialis</i>	[flu.vi.a'lis] <b>N.L. masc. adj.</b> <i>fluvialis</i> , of a river	This is a novel genus <i>Acidoparvus</i> , a genome streamlined Acidobacteriota under the family Holophagaceae with extremely small genome size and limited metabolic capacity. This species ( <i>A. fluvialis</i> ) is exclusively found in rivers.	<i>Acidiparvus</i>	NCBI Assembly: GCA_041263285.1 <sup>Ts</sup>	<a href="https://seqco.de/i:33349">seqco.de/i:33349</a>
Species <i>Acidiparvus lacustris</i> <sup>Ts</sup>	[la.cus'tris] <b>N.L. masc. adj.</b> <i>lacustris</i> , of a lake, resides in freshwater environments	This is a novel genus of a genome streamlined Acidobacteriota, under the family <i>Holophagaceae</i> . They are the only genus under the family <i>Holophagaceae</i> to have extremely small genome size and limited metabolic capacity. <i>Acidoparvus lacustris</i> are exclusively found in freshwater lakes. We assembled two complete genomes from <i>Acidoparvus lacustris</i> , in which we will choose one as the type genome.	<i>Acidiparvus</i>	NCBI Assembly: GCA_963970155.1 <sup>Ts</sup>	<a href="https://seqco.de/i:33343">seqco.de/i:33343</a>