

# Pseudothioglobus gen. nov. and Pseudothioglobus singularis sp. nov.

Submitted by Chuvochina, Maria

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

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Genus <i>Pseudothioglobus</i>	[Pseu.do.thi.o.glo'bus] Gr. neut. adj. <i>pseudes</i> , false; Gr. neut. n. <i>theion</i> , sulfur; L. masc. n. <i>globus</i> , ball, sphere; N.L. masc. n. <i>Pseudothioglobus</i> , false sulfur-oxidizing sphere	The description is the same as given for the type species by (Marshall & Morris, 2013).	<i>Pseudothioglobaceae</i>	<i>Pseudothioglobus singularis</i> <sup>Ts</sup>	<a href="https://seqco.de/i:31961">seqco.de/i:31961</a>
Species <i>Pseudothioglobus singularis</i> <sup>Ts</sup>	[sin.gu.la'ris] L. masc. adj. <i>singularis</i> , alone, singular	The description is the same as given originally by <a href="#">Marshall, Morris, 2013</a> since <a href="#">van Vliet et al. (2021)</a> proposed new genus name based on the same type species:  We propose the provisional taxonomic assignment 'Candidatus: Thioglobus singularis', alluding to the clade's known role in sulfur oxidation and the Isolate's planktonic lifestyle. Thioglobus gen. nov. Thioglobus singularis sp. nov. Etymology. thios (Gr. noun): sulfur, globus (L. masc. noun): ball, sphere, globe. Singularis (L. adj.): alone, singular. The Genus name alludes to the clade's ability to oxidize sulfur and to the sulfur globules found on the outside of the cells. The species name alludes to the fact that this is a free-living member of the clade, rather than a symbiont. Locality: surface waters in Puget Sound. Diagnosis: a small mesophilic sulfur oxidizer from the gamma proteobacteria.	<i>Pseudothioglobus</i>	NCBI Assembly: GCA_001281385.1 <sup>Ts</sup>	<a href="https://seqco.de/i:31963">seqco.de/i:31963</a>