

***Sulfurimonas aquatica* sp. nov., a sulfur-oxidizing bacterium isolated from water of a brackish lake**

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Table S1. Cellular fatty acid profile of strain H1576^T grown on thiosulfate at 15°C. Summed features consist of fatty acids that could not be separated, as follows: summed feature 2, C_{12:0} aldehyde, unknown 10.928, C_{14:0} 3-OH and/or iso-C_{16:1} I; summed feature 3, C_{16:1} ω 7c and/or C_{16:1} ω 6c; summed feature 5, C_{18:2} ω 6,9c and/or anteiso-C_{18:0}; summed feature 8, C_{18:1} ω 7c and/or C_{18:1} ω 6c.

Fatty acid	%
C _{14:0}	1.15
C _{16:1} ω 5c	2.04
C _{16:0}	21.94
C _{18:0}	0.13
Summed feature 2	3.34
Summed feature 3	65.49
Summed feature 5	3.62
Summed feature 8	2.3

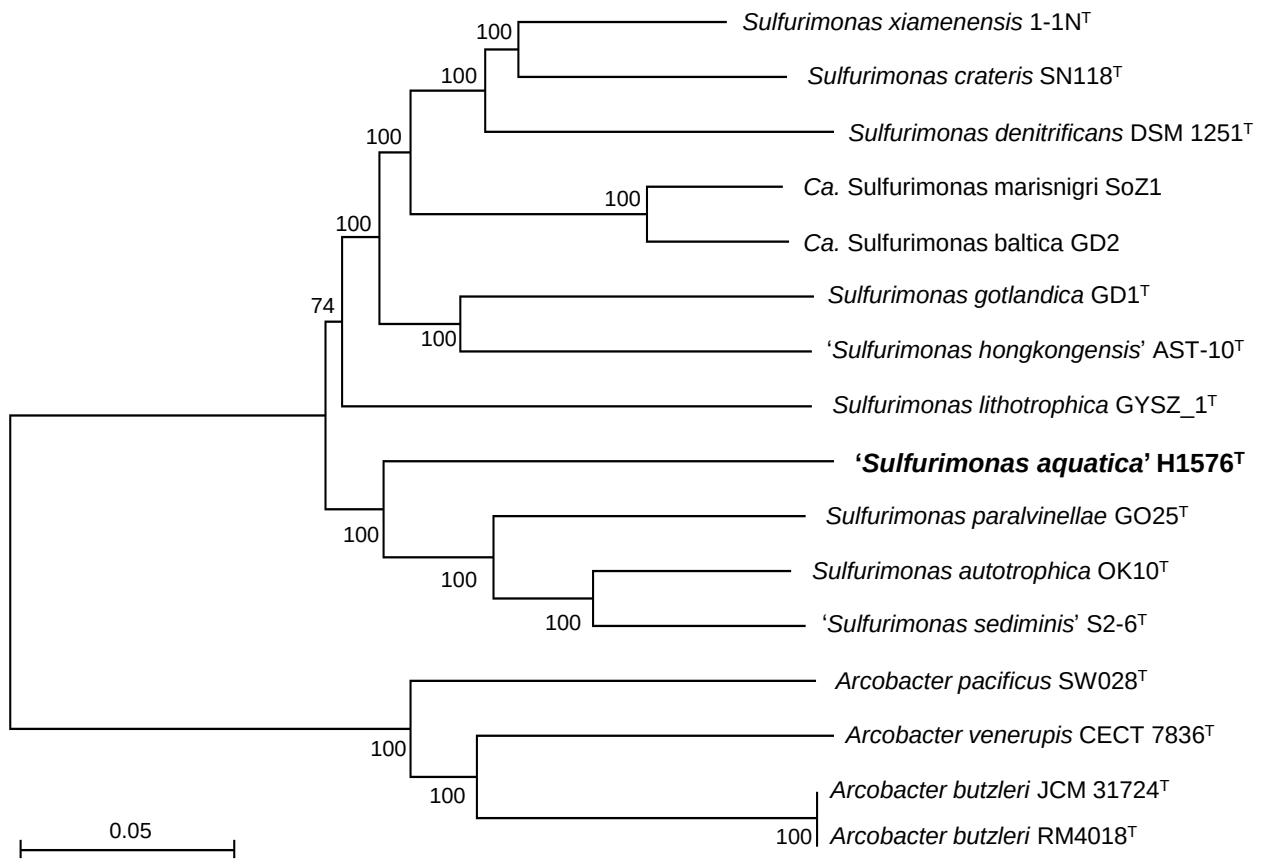


Fig. S1. Genome-based phylogenetic tree of strain H1576^T and its closest relatives identified by the TYGS. Distances among the genomes were calculated as whole-proteome-based genome blast distance phylogeny (GBDP). The branch lengths are scaled via GBDP distance formula d_5 . Numbers on nodes represent pseudo-bootstrap values of 100 replications.