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Supplementary material

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-C16:1 I; summed feature 3, $C_{16:1}\omega7c$ and/or $C_{16:1}\omega6c$; summed feature 5, $C_{18:2}\omega6,9c$ and/or anteiso-$C_{18:0}$; summed feature 8, $C_{18:1}\omega7c$ and/or $C_{18:1}\omega6c$.

Fatty acid	%
$C_{14:0}$	1.15
$C_{16:1}\ \omega5c$	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

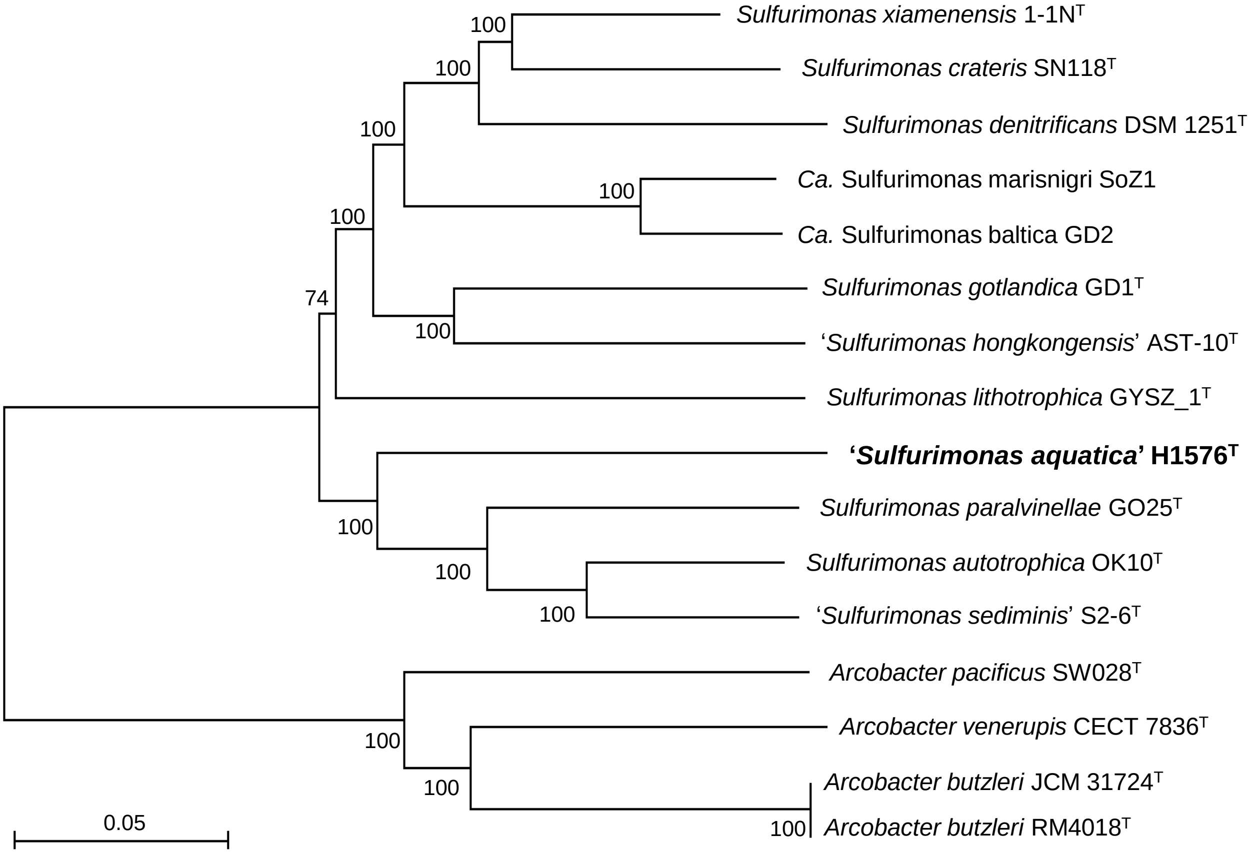

Fig. S1. Genome-based phylogenetic tree of strain H1576^T and its closest relatives identified by the TYGS. Distances among the genomes were calculated as whole-proteome-based genome blast distance phylogeny (GBDP). The branch lengths are scaled via GBDP distance formula d_5. Numbers on nodes represent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