

Characterization of acetohydroxyacid synthase from the hyperthermophilic bacterium *Thermotoga maritima*

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Running title: Acetohydroxyacid synthase in *Thermotogales*

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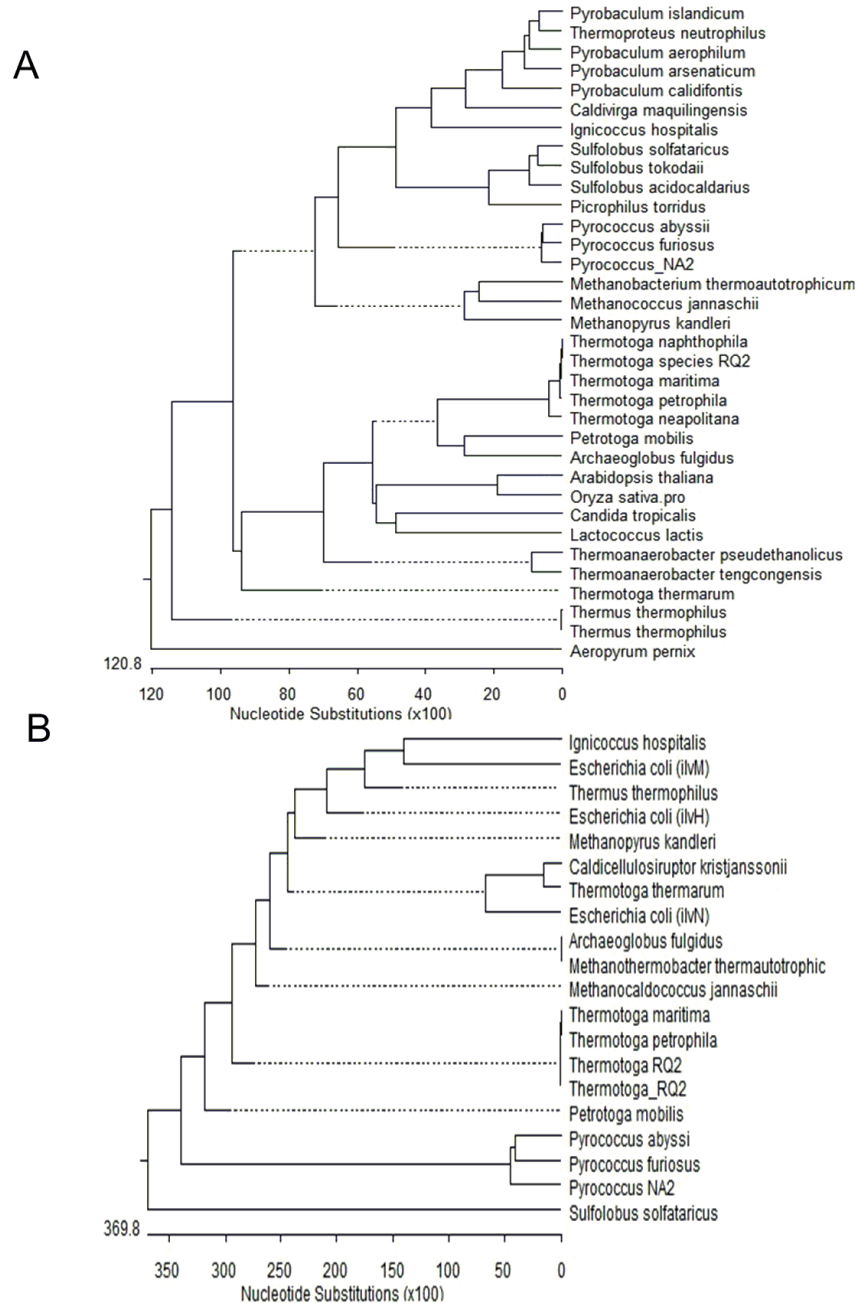
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Supplementary Figure S2 Phylogenetic relatedness of AHAS subunits

The phylogenetic relatedness was determined for **(A)** catalytic and **(B)** regulatory subunits of AHAS. Genome sequences in the NCBI microbial genome database (http://www.ncbi.nlm.nih.gov/genomes/MICROBES/microbial_taxtree.html) were used to retrieve the amino acid and nucleotide sequences of AHASs from various thermophilic and mesophilic organisms. The amino acid sequence homology and the phylogenetic tree were prepared based on the ClustalW analysis using MegAlign software (Lasergene, DNASTar, Madison, USA).