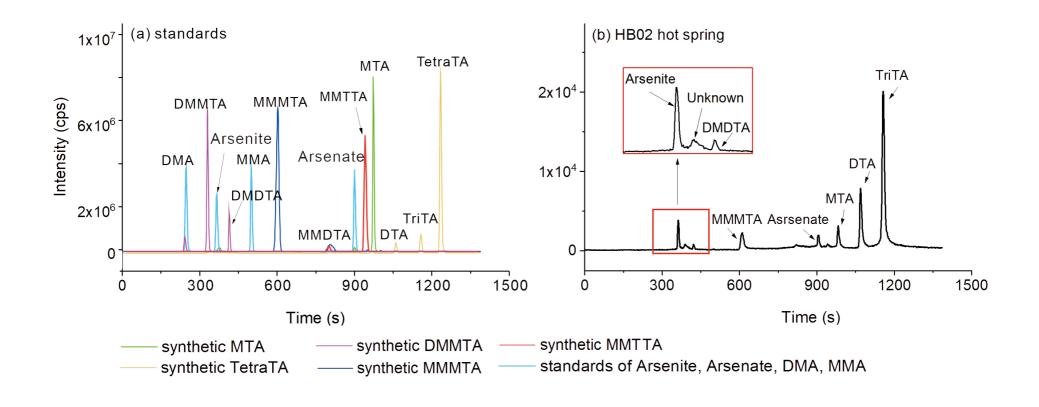


Distribution of all hot spring samples in Tengchong geothermal region



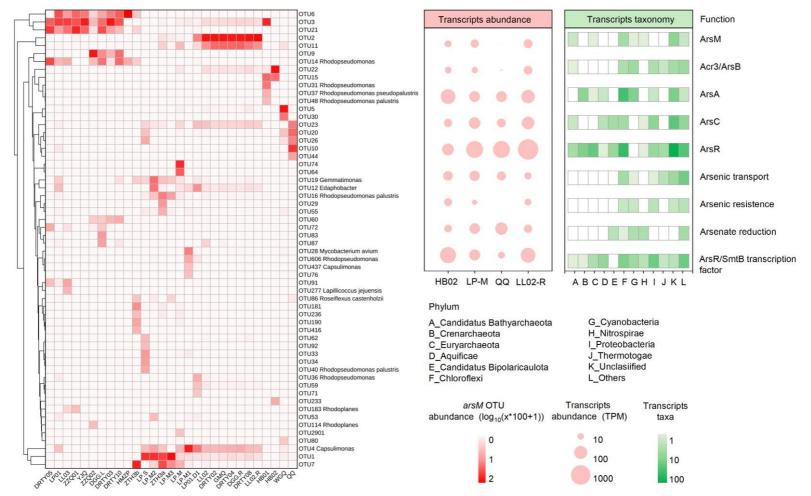




Chromatogram for determination of arsenic speciation by IC-ICP-MS



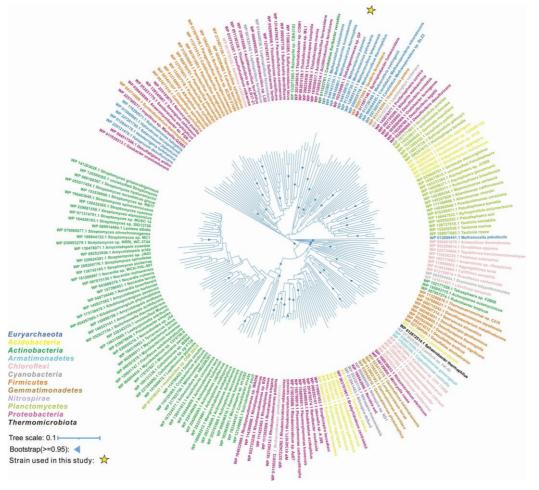




Distribution of arsM genes and transcribed ars genes in hot springs



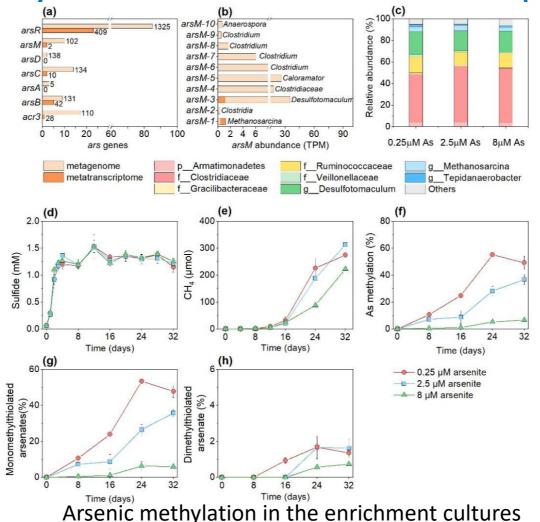




Neighbor-joining phylogenetic tree of reference ArsM amino acid sequences

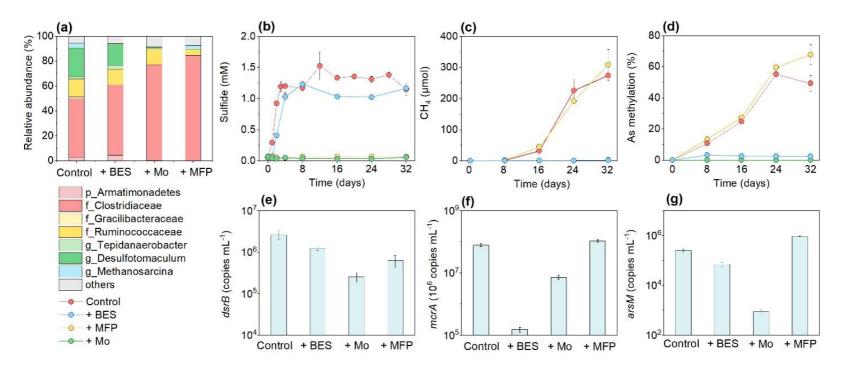








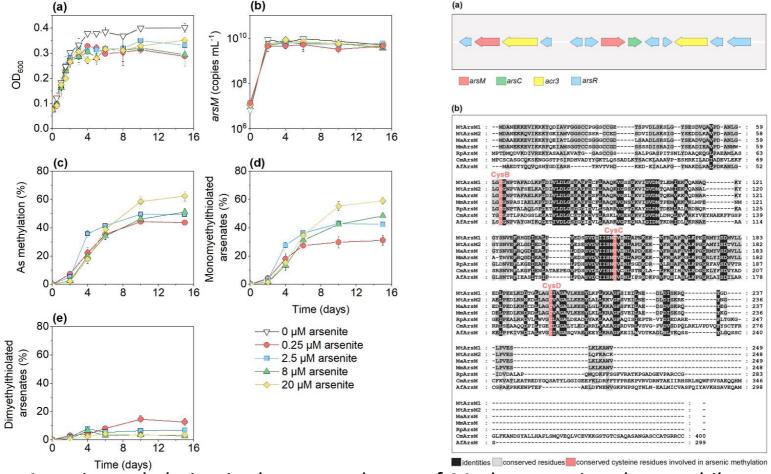




Arsenic methylation in the experiments with inhibitors being added



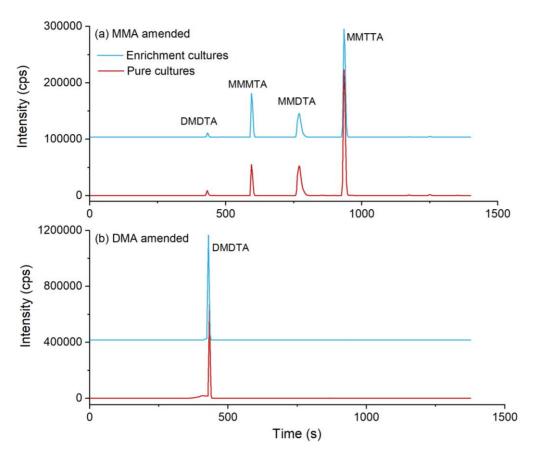




Arsenic methylation in the pure cultures of Methanosarcina thermophila







Arsenic speciation with MMA and DMA amended in the enrichment and pure cultures