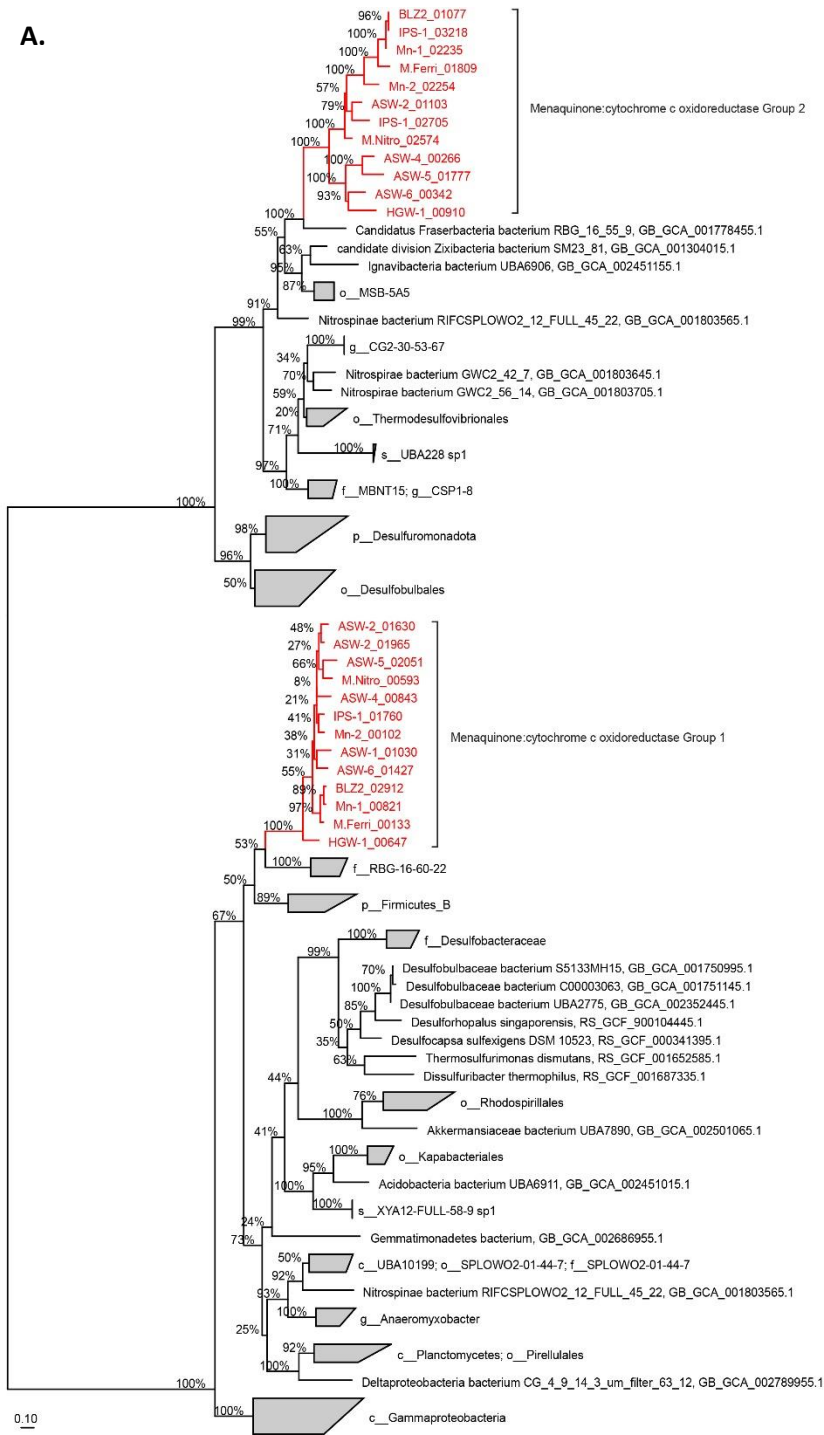
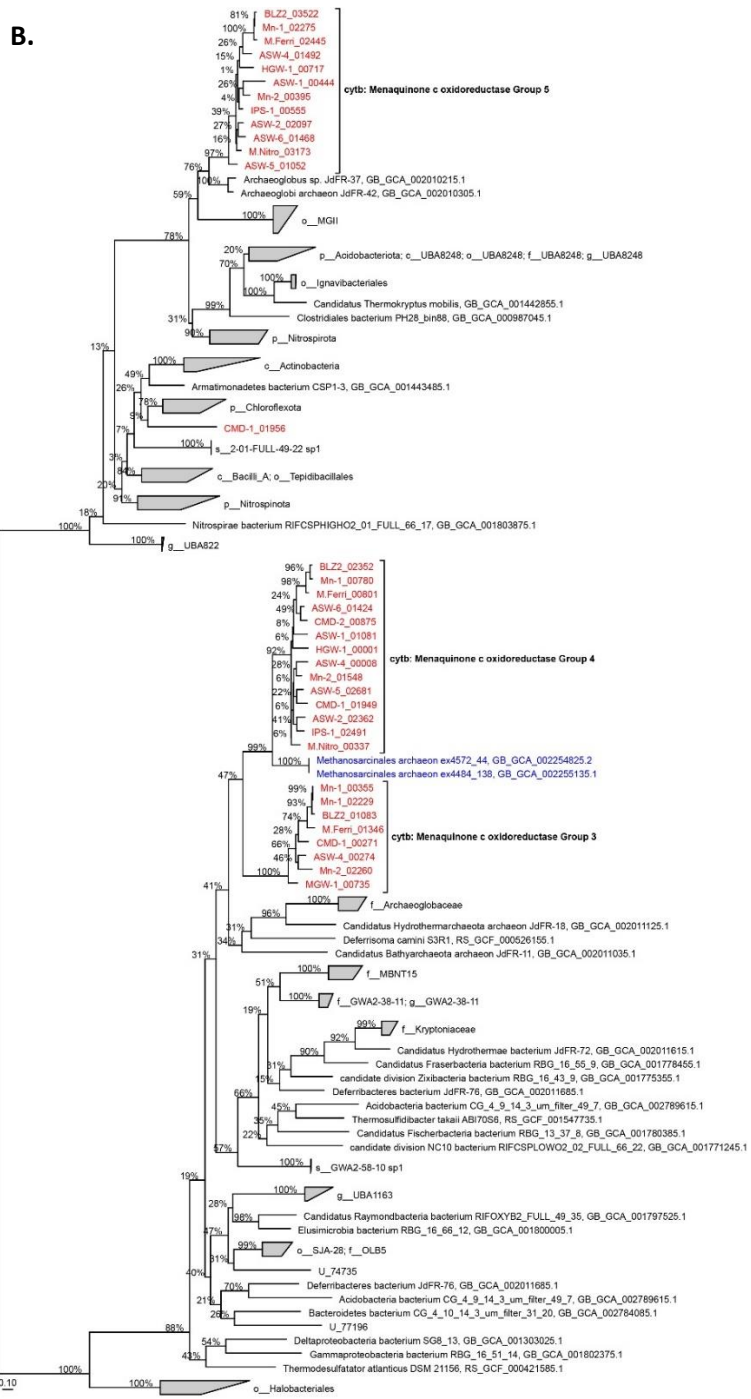


A.





**Figure S7. Phylogenetic analysis of the subunits of the MK:cytochrome oxidoreductases annotated in the *Methanoperedenaceae* MAGs. A. Analysis of the NrfD subunits. B.**

Analysis of the b-type cytochromes. Bootstrap values for the maximum-likelihood trees were determined using non-parametric bootstrapping with 100 replicates. The scale bars represents amino acid changes.