**Genomic insights of *Cryobacterium* isolated from ice core reveal genome dynamics for adaptation in glacier**

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Fig. S1 Phylogenetic clustering of 32 Microbacteriaceae strains. Phylogeny is based on 16S rRNA gene sequences with 1,000 bootstraps using MEGA10. *Rubrobacter xylanophilus* DSM9941 and *R. radiotolerans* RSPS-4 were used as out-groups. Bar 0.02 accumulated changes per nucleotide.

Fig. S2 Distribution of specific genes harbored by reference strains.

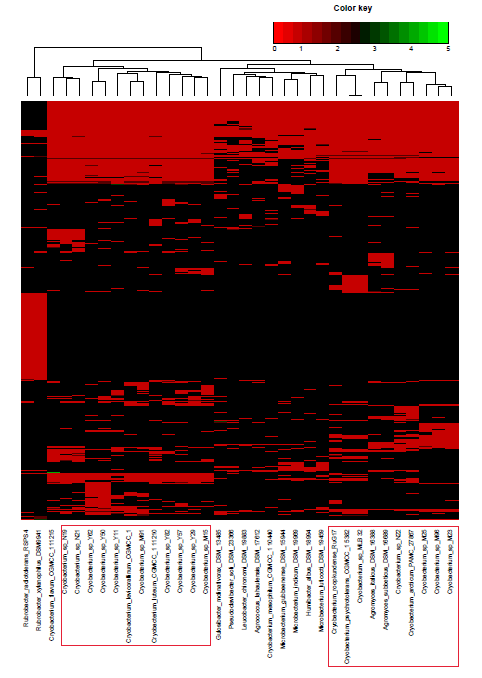


Fig. S3 Hierarchical clustering analysis representing the presence/absence of gene families from the category ‘cofactors/vitamin/prosthetic groups/pigmen’ based on the RAST annotations. Psychrophilic *Cryobacterium* were in red frame.