Abundance, viability and diversity of the indigenous microbial populations at different depths of the NEEM Greenland ice core

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Supplementary Material

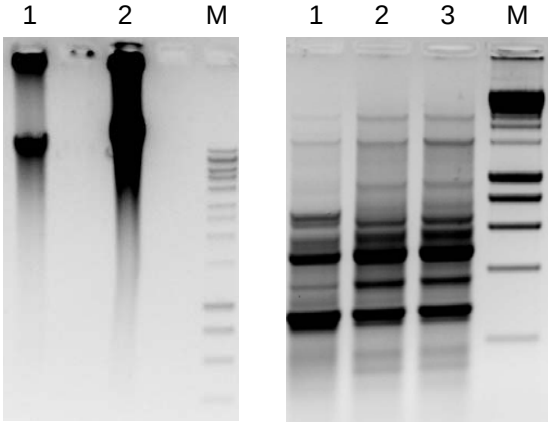

Fig. S1. Comparison of REPLI-g amplified genomic DNA from a NEEM ice core. A. REPLI-g amplification for 2.5 h (1) and for 5h; B. ERIC PCR profiles of original DNA (1), 2.5 h REPLI-g product (2) and 5h REPLI-g product (3).

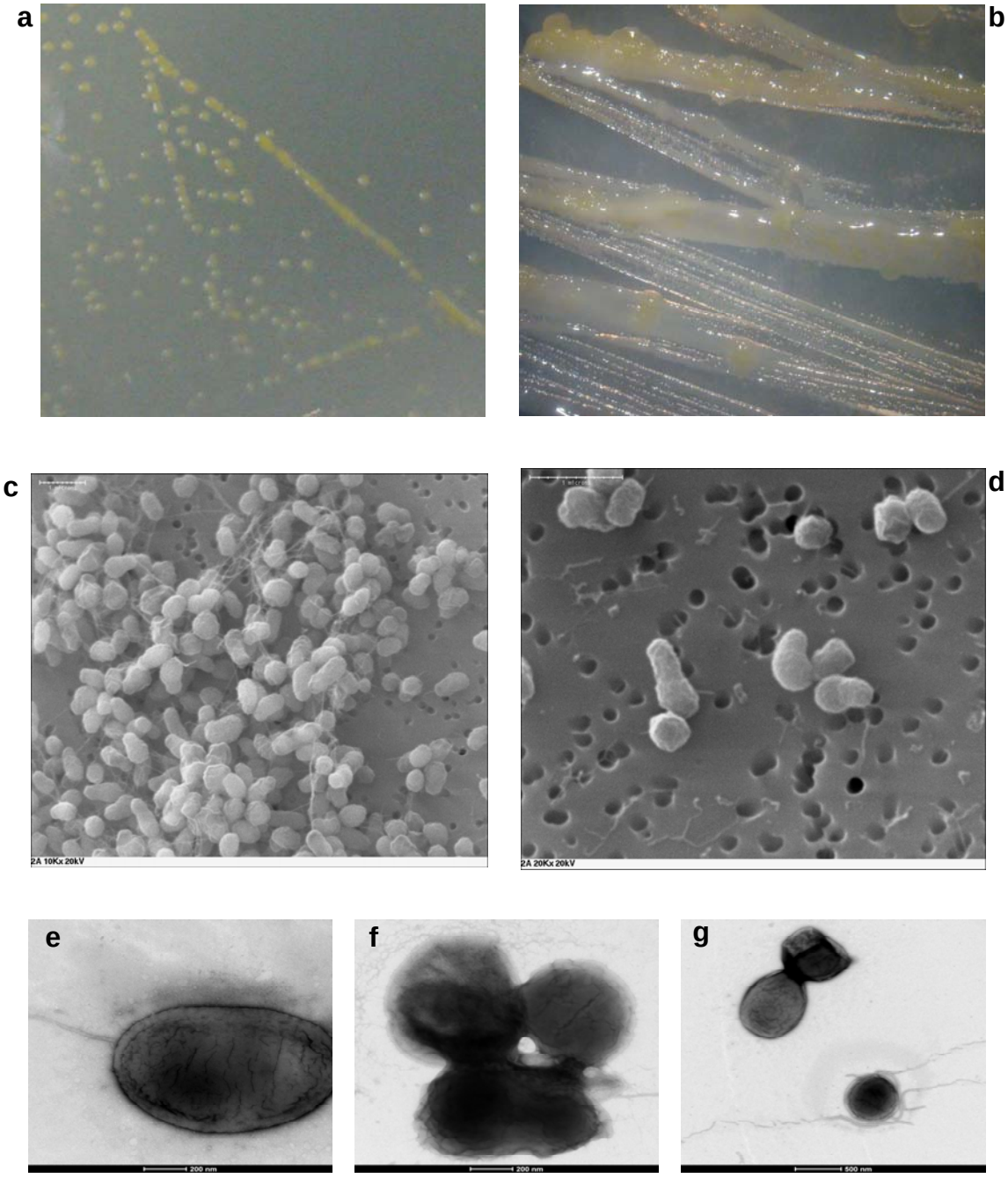

Fig. S2. Colony and cell morphology of isolate 633.05-i2a from 633.05 m deep NEEM ice core. Panels a and b: Colonies grown on TSA (left) and R2A (right, 10x magnification) at 25ºC. Panels c and d: Scanning electron micrograph obtained using JEOL microscope, model JEM 5400, Peabody, MA at 20 kV, bar 1 µm. Panels e and f : Transmission electron micrographs of cells, negatively stained with uranyl acetate (2%), showing long flagella, bars correspond to 200 and 500 nm, respectively. Images were taken under JEOL microscope, model JEM 1200 EXII, Peabody, MA) at 80 kV.