

Microbial diversity of high-elevated fumarole fields, low-biomass communities on the boundary between ice and fire

Alla Yu. Shevchenko^{1,3*}, Gleb I. Ursalov², Natalya I. Eromasova³, Pavel V. Shelyakin⁴, Mikhail S. Gelfand¹, Maria N. Tutukina^{1,4,5}, Andrey A. Abramov³, Tatiana A. Vishnivetskaya⁶, Elizaveta M. Rivkina³

¹Center for Molecular and Cellular Biology, Moscow, Russia;

²Voronezh State University, Voronezh, Russia

³Institute of Physicochemical and Biological Problems in Soil Science, Russian Academy of Sciences, PSCBR RAS, Pushchino, Russia

⁴Vavilov Institute of General Genetics, Russian Academy of Sciences, Moscow, Russia

⁵Institute of Cell Biophysics, Russian Academy of Sciences, PSCBR RAS, Pushchino, Russia

⁶Department of Microbiology, University of Tennessee, Knoxville, TN, USA

***shevch2009@yahoo.com**

Supplementary Information

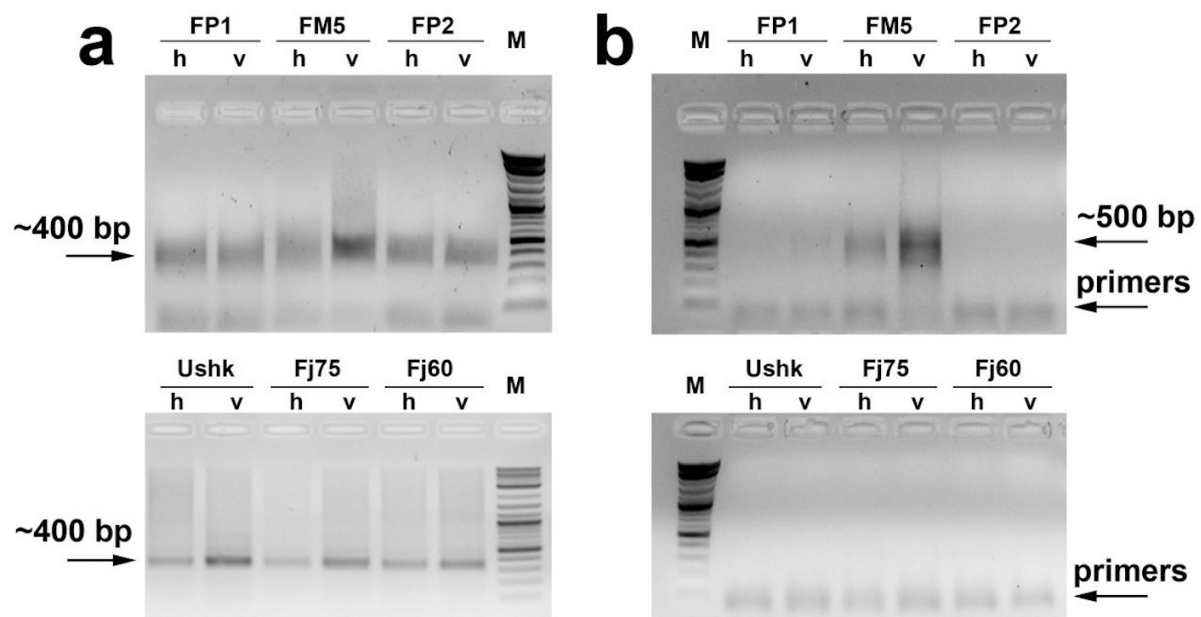


Figure S1. Electrophoresis in 2% agarose gel after PCR with 505F-806R (a) and ITS3-4 (b). 2-log DNA ladder (NEB, USA) is marked as “M”. For the 1a lower panel gel, the novel version of this ladder, 1kb plus, was used.

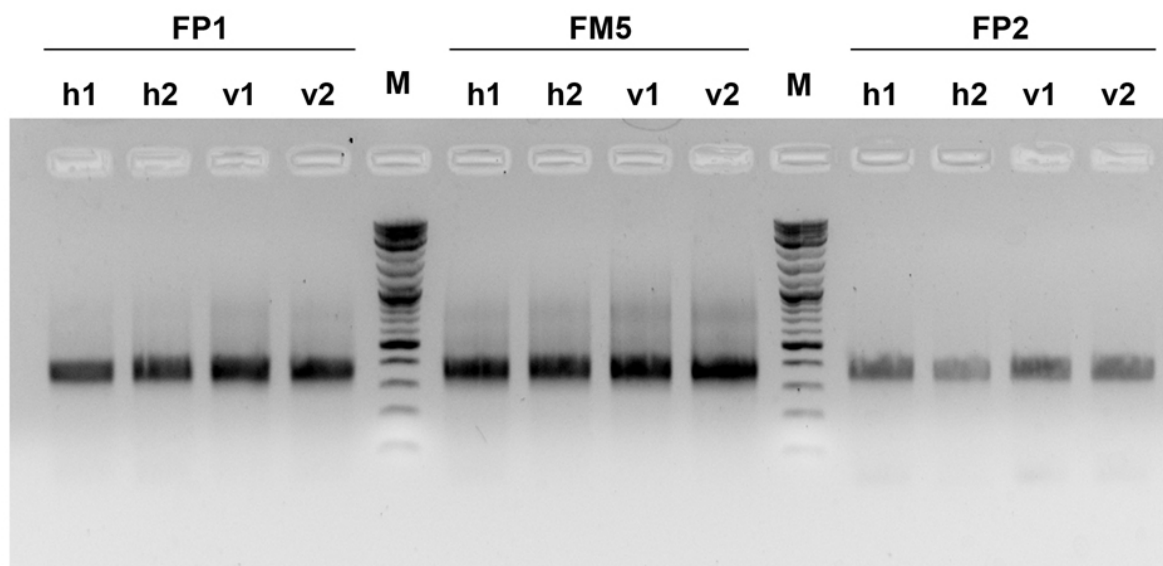


Figure S2. Electrophoresis in 2% agarose gel after qPCR with 505F-806R. Two technical repeats are presented for each sample. 2-log DNA ladder (NEB, USA) is marked as “M” (1kb plus).

Original uncropped photos of the Electrophoresis in 2% agarose gel.

Overlay with the membranes.

Figure S1a

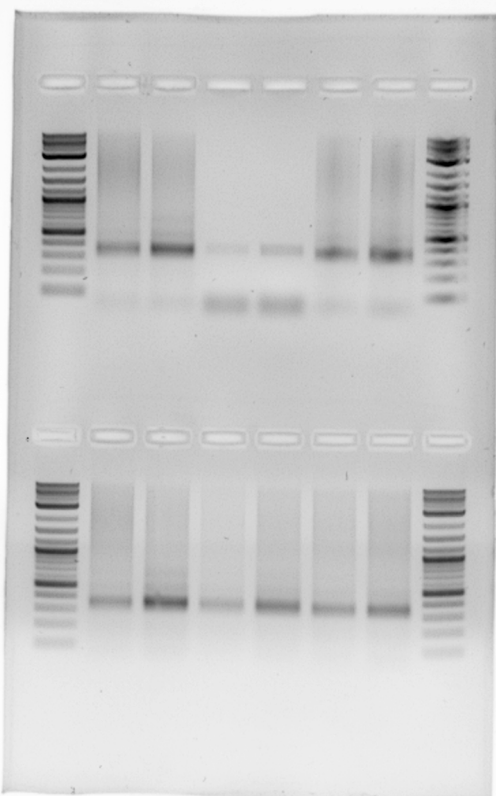
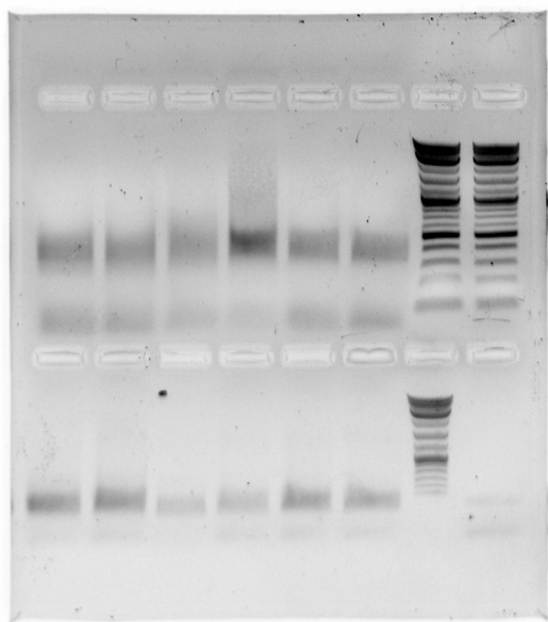


Figure S1b

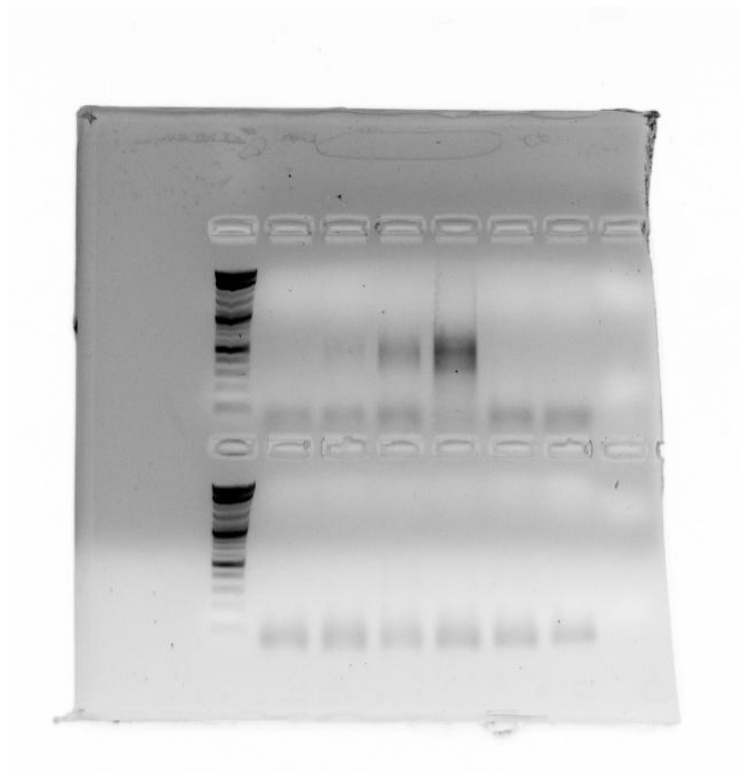


Figure S2

