

Supplementary Material

for the manuscript

Formate Is Required for Growth of the Thermophilic Acetogenic Bacterium *Thermoanaerobacter kivui* Lacking Hydrogen-Dependent Carbon Dioxide Reductase (HDCR)

by

Surbhi Jain¹, Helge M. Dietrich¹, Volker Müller¹ and Mirko Basen^{1,2*}

¹Department of Molecular Microbiology & Bioenergetics, Institute of Molecular Biosciences, Johann Wolfgang Goethe University, Max-von-Laue Str. 9, D-60438 Frankfurt/Main, Germany

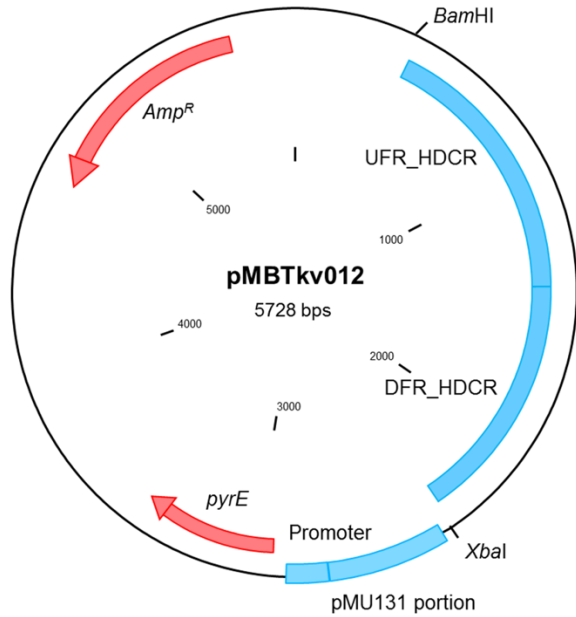
²Current address: University of Rostock, Institute of Biological Sciences, Albert-Einstein Str. 3, 18059 Rostock, Germany

*** Correspondence:**

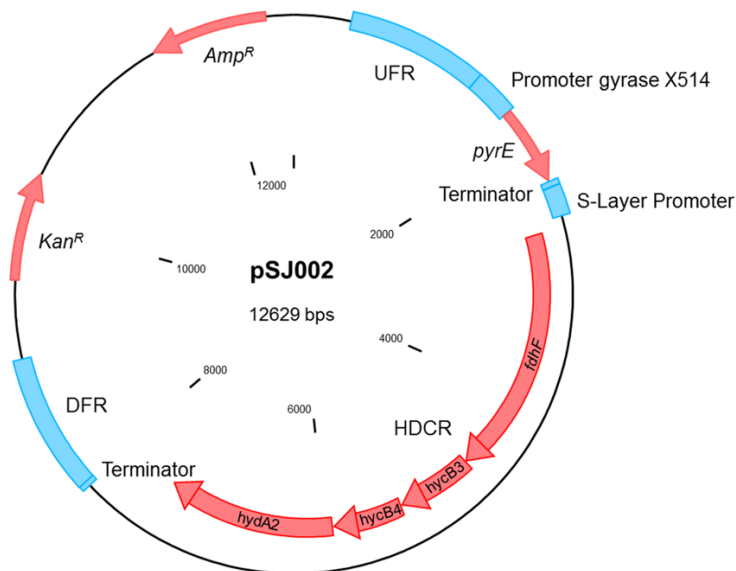
Mirko Basen
mirko.basen@uni-rostock.de

1 Supplementary Figures and Tables

1.1 Supplementary Figures



Supplementary Figure 1. Plasmid pMBTk012. UFR, upstream flanking region; DFR, downstream flanking region; HDCR, genome region encoding the hydrogen-dependent carbon dioxide reductase.



Supplementary Figure 2. Plasmid pSJ002. UFR, upstream flanking region; DFR, downstream flanking region; HDCR, genome region encoding the hydrogen-dependent carbon dioxide reductase; Promoter gyrase X514, putative promoter region of the gene encoding gyrase in *Thermoanaerobacter* sp. strain X514; S-layer promoter, putative promoter of the gene encoding the S-layer protein in *Thermoanaerobacter kivui*.