

Ulrike Johnsen · Martina Selig · Karina B. Xavier  
Helena Santos · Peter Schönheit

## Different glycolytic pathways for glucose and fructose in the halophilic archaeon *Halococcus saccharolyticus*

Published online: 17 October 2003

© Springer-Verlag 2003

---

### Arch Microbiol (2001) 175:52–61

We found out that all experiments described for *Halococcus saccharolyticus* in this paper were actually performed with *Haloarcula marismortui*. The incorrect assignment became obvious after purification and characterization of acetate/acetyl-CoA-converting enzymes from this organism. Using N-terminal amino acid sequences of the purified enzymes, we identified open reading frames (ORFs) in the partially sequenced genome of *Haloarcula marismortui*. We amplified these ORFs by PCR using template DNA from the organism used in our experiments and obtained sequences identical to those of the *Haloarcula marismortui* ORFs, thus identifying the organism as *Haloarcula marismortui*. In accordance, a partial 16S rRNA sequence of the strain was determined; the sequence corresponded to that of *Haloarcula marismortui* rather than to that of *Halococcus saccharolyticus*.

---

The online version of the original article can be found at  
<http://dx.doi.org/10.1007/s002030000237>

---

U. Johnsen · M. Selig · P. Schönheit (✉)  
Institut für Allgemeine Mikrobiologie,  
Christian-Albrechts-Universität Kiel,  
Am Botanischen Garten 1–9, 24118 Kiel, Germany  
Tel.: +49-431-8804328/4330, Fax: +49-431-880-2194,  
e-mail: peter.schoenheit@ifam.uni-kiel.de

K. Xavier · H. Santos  
Instituto de Tecnologia Química e Biológica,  
Apartado 127, 2780 Oeiras, Portugal