

酵母 *Torulaspota delbrueckii* 分離株の 分類についての再検討

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Reexamination of Yeast Strains Classified as *Torulaspota delbrueckii* (Lindner)

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ABSTRACT Twenty-eight yeast strains presumed to represent *Torulaspota delbrueckii* were analyzed by randomly amplified polymorphic DNA-PCR analysis. Four strains (HUT 7161, IFO 1138, IFO 1145, and IFO 1956) that were considerably different from the type strain were further investigated. Morphological and physiological characteristics revealed that strains HUT 7161 and IFO 1145 belong to the genus *Debaryomyces* rather than the genus *Torulaspota*, and the former strain may represent *Debaryomyces hansenii*. Strains IFO 1138 and IFO 1956 were classified as either *Saccharomyces castellii* or *Saccharomyces dairensia* by identification keys involving physiological tests. On the basis of analysis of the sequences of two rRNA internal spacer regions, strains IFO 1138 and IFO 1956 were closely related to *S. castellii* and strains HUT 7161 and IFO 1145 were outside members of the genera *Torulaspota*, *Zygosaccharomyces*, and *Saccharomyces*.

抄録 *Torulaspota delbrueckii* とされている酵母分離株 28 株の RAPD-PCR 解析を行った。解析の結果、4 株 (HUT 7161, IFO 1138, IFO 1145, IFO 1956) は、標準株とはかなり異なっていた。形態学的、生理学的性状からは、HUT 7161 および IFO 1145 は *Torulaspota* 属よりむしろ *Debaryomyces* 属に属し、IFO 1138 および IFO 1956 は *Saccharomyces castellii* あるいは *Saccharomyces dairensia* に分類される。ITS 領域の塩基配列比較

による系統解析の結果、IFO 1138, IFO 1956 は *S. castellii* に近縁であること、HUT 71 61 および IFO 1145 は *Torulaspota* 属, *Zygosaccharomyces* 属, *Saccharomyces* 属のいずれにも属さないことが示された。