Synopsis of Original Research Paper

Development of New Breeding Systems for Lactic Acid Bacteria Available as Cosmetic Materials

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A gene relating to β -glucoside utilization of *Enterococcus faecalis* subsp. *liquefaciens* IFO 12968 was cloned and expressed in *Escherichia coli* JM 109. In a 3.4 kb-gene fragment, two open reading frames (ORFI, 1.47 kb; ORF2, 0.98 kb) were sequenced. Although functions of these genes were not correctly determined through the homology research on the genes and proteins. However, since the ORF2 protein showed homologies to the *lac* repressor, it seems likely that these genes code proteins relating to β -glucoside transport.