

Bacillus sp. isolated from Sandfish-jeotkal showing anti-fungal activity against *Phytophthora infestans*

Hye Sook Kim, Yong Sub Yi¹, Gyung Ja Choi², Kwang Yun Cho², Yoongho Lim

Bio/Molecular Informatics Center, Konkuk University,

¹Seoul University of Venture and Information,

²Screening Division, Korea Research Institute of Chemical Technology

TEL: +82-2-450-3760, FAX: +82-2-453-3761

Abstract

Due to toxicity and environmental pollution of chemical pesticides, biological pesticides should be developed. Sandfish-jeotkal has been used for a long time, so that microorganisms contained in it can be safe. Authors isolated *Bacillus* sp. showing an activity against *Phytophthora infestans*. 1) Its activity was tested both in vivo and in vitro p. *infestans*. The identification of *Bacillus* sp. was carried out based on 16S rDNA analysis and the morphology by the scanning electron microscopy.

Reference

1. Lee, Na Kyoung, Song Ae Jun, Jung Uk Ha, and Hyun Dong Paik. Screening and Characterization of Bacteriocinogenic Lactic Acid Bacteria from Jeot - Gal, a Korean fermented Fish Food. (2000) *J. Microbiol. Biotechnol.* 10: 423-428.