

地衣芽孢杆菌的温和性噬菌体II. DNA分子生物学特性的研究

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摘要 增殖Blp7, Blp11, B1p16这一类群噬菌体并抽提其DNA, 用电镜法测定噬菌体DNA长度为62.75 ± 1.47 kb, 并证实它们与X噬菌体相似, 含有“一个能使DNA环化的粘性末端。DNA经碱部分变性后, 电镜观察可以识别Blp 7 DNA分子的R端与L端。用限制性内切酶

EcoRI, BamHI酶切Blp7及BIP16 DNA, 经琼脂糖凝胶电泳后, 观察到DNA分子的多态性。

关键词

分类号

Studies on the Temperate Bacteriophages from Bacillus licheniformis U. Molecular Biological Characterization of DNA

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Abstract

DNA was extracted from a group of phages: Blp7, Blp11, and Blp16. By using
electron microscopic measurement, the contour length of Blp7 DNA was determined to be 62.75±1.47 kb. These phages contained a cos site, and the similarity between them and X phage was identified. After DNA partial denaturation with alkaline, the R- end or L-end of Blp7 DNA was recognized under the electron microscope. Blp7 and Blp16 DNA were digested with restriction endonuclease EcoRI and BamHI, and the DNA polymorphism was observed.

Key words

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