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**Inactivation of Blasticidin S by *Bacillus cereus* II.
Isolation and Characterization of a Plasmid,
pBSR8, from *Bacillus cereus*.**

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Bacillus cereus K55-S1 inactivated blasticidin S (BS) by producing BS-deaminase. The resistant property was eliminated by the acridine dye treatment, suggesting participation of an extra-chromosomal gene.

From the bacterium, a plasmid designated as pBSR8 (10.5 kb) was isolated, and was digested by various restriction endonucleases. Introduction of pBSR8 into BS-sensitive *B. subtilis*, after ligation with a vector pNC602, afforded BS-resistant transformants, which produced BS-deaminase.

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