

DNA sequence of the transposase gene of the new category of class II transposon, Tn2501

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The indicated gene for the Tn2501 transposase encodes a protein of 994 amino acids. This shows similarity to transposases of other class II transposable elements, although the sequences do not align exactly and "padding" is required to obtain maximum % positional identity. When compared with the Tn21 transposase (1), this is 55% and with the Tn3 transposase (2) 31%.

The complete nucleotide sequence of the tnpA gene of Tn2501. The 5'-3' strand of the terminal 3018bp of Tn2501 is shown, and the position of the tnpA gene and its encoded transposase indicated. The last 48bp at the 3' end are the inverted repeat of the element (3), and nucleotides 1-613 have already been published (4).

References

- References

 1. Ward, E. and Grinsted, J. (1987) Nucleic Acids Res. 15, 1799-1806.
 2. Heffron, F. *et al* (1979) Cell 18, 1153-1163. 3. Michiels, T. and Cornelis, G. (1984) J. Bacteriol. 158, 866-871. 4. Michiels, T. *et al* (1987) J. Bacteriol. 169, 624-631.