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- [54] **PTR2030, A CONJUGAL PLASMID AND DERIVATIVES THEREOF THAT CONFER PHAGE RESISTANCE TO GROUP N STREPTOCOCCI**
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Related U.S. Application Data

- [60] Division of Ser. No. 256,018, Oct. 11, 1988, Pat. No. 4,931,396, which is a continuation-in-part of Ser. No. 748,444, Jun. 25, 1985, abandoned.
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- [52] **U.S. Cl.** **435/252.3; 435/253.4; 435/320.1; 435/885; 435/172.3; 426/61; 935/59**
- [58] **Field of Search** **435/172.3, 252.3, 253.4, 435/320.1, 885, 853, 252.9; 935/29; 426/61**

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[57] **ABSTRACT**

The present invention relates to the plasmid pTR2030 and derivatives thereof which confer phage resistance to group N streptococci. The invention further relates to microorganisms containing pTR2030 or a derivative thereof and to starter cultures containing the microorganisms.

6 Claims, 1 Drawing Sheet