

## 5S リボソーム RNA 遺伝子構成によるレプトスピラの分類

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*Chem. Pharm. Bull.* vol. 40 (2), 544-546, 1992.

### Comparison of flanking regions of the 5S ribosomal ribonucleic acid genes in *Leptospira biflexa* and *Leptospira interrogans*.

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**ABSTRACT** One of the genes encoding the 5S ribosomal ribonucleic acid (rRNA) for the *Leptospira biflexa* strain Patoc I was isolated and sequenced. The physical maps of the 5S rRNA genes in *Leptospira* were constructed. The strains of *Leptospira biflexa* had two genes on their chromosome; these two 5S rRNA genes were located several kb apart and sequences flanking these genes were divergent. In contrast to saprophytic leptospires, maps in parasitic leptospires that had only one gene for 5S rRNA on their genome were highly conserved and the physical maps of the genes in almost all strains were similar.

抄録 レプトスピラの5S リボソーム RNA 遺伝子の構成の比較によって, 病原株と非病原株の区別が容易に出来ることを証明した。

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