

レプトスピラの溶血遺伝子のクローニング

福長将仁, 三沢一二, 柳原保武*

Microbiology and Immunology, 34 (10) 879-83 (1990).

**Cloning of genes for a hemolytic factor of *Leptospira interrogans*
serovar *autumnalis* strain Congo 21-543.**

MASAHITO FUKUNAGA, ICHIJI MIFUCHI,
AND YASUTAKE YANAGIHARA

ABSTRACT A DNA fragment encoding a hemolytic factor was cloned from the parasitic spirochete *Leptospira interrogans* serovar autumnalis strain Congo 21-543. Initial clones were isolated by screening a genomic library in pBR 322 in *Escherichiacoli* for hemolytic activity. Hemolytic activity was coded by a 4.5 kilobase *Bam* HI-*Hind* III fragment. Southern hybridization with DNAs from other strains of *Leptospira* using this gene as a probe showed that DNAs from non-parasitic strains failed to hybridize with the probe, whereas those from all parasitic strains tested had the sequence which hybridize to the probe.

抄録 レプトスピラの溶血性因子遺伝子をクローニングし、遺伝の構造を明らかにした。

* 静岡県立大学・薬学部