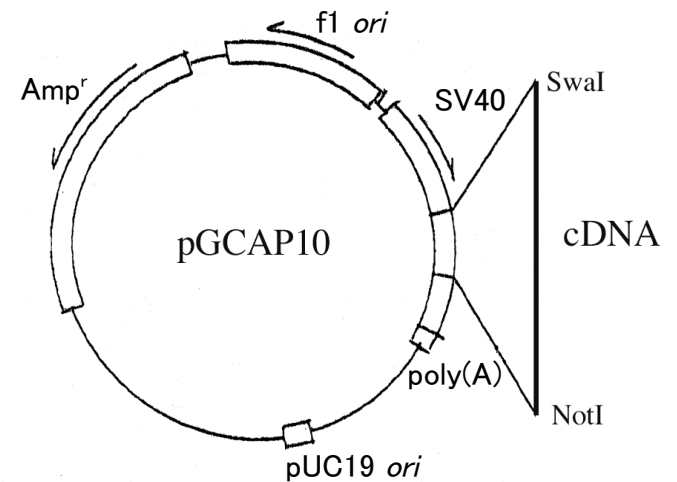


## INFORMATION ABOUT THIS LIBRARY

- Vector : pGCAP10
- Source strain: *S. pombe* L968 h<sup>90</sup>
- mRNA source: Mixture of mRNAs prepared from vegetative cells (mid log-phase culture in MM medium) and sporulating cells (8 hr after transfer to MM-N sporulation medium).
- Construction of library: Vector capping method (Kato et al., 2005 DNA Research 12: 53-62)
- Selection in *E. coli*: Ampicillin
- Recovery of inserts: cDNA fragments can be recovered by double digestion with *Swa*I (5') and *Not*I (3') (see the figure below).
- Merits : Clones derived from 5' Capped mRNA are discerned by 5' terminal extra G. (Caution: The library could not be multiplied in *S. pombe*.)



5' .... CTGCTCTAAAAGCTGCTCGAGTGTAAAACGACGGCCAGTACGTATTTAATACGACTCACTATAG

M13(-21)primer

T7 Promoter

T7 Transcription Start

GGAATTTAAATGAATT( cDNA ) GCGGCCGCGGATCTCCCTTTAGTGAGGGTTAATTGGATCCAGACAT....3'

SwaI

NotI

T3 Promoter

T3 Transcription Start