

THE TUBULIN GENE OF *D.IMMITIS*

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ABSTRACT

A cDNA clone of *D.immitis* in the expression vector/gt11 gave positive reaction when screened with a specific antisera raised against sea urchin tubulin. The clone contained a 342 base pair insertion; the DNA sequence is about 75% homologous to tubulin sequences of other organisms, whereas the deduced amino acid sequences is about 90% homologous. The Southern blot analysis indicates a unique restriction map for the DNA surrounding the tubulin clone suggesting the presence of only one-tubulin gene in *D.immitis*.

QUESTIONS AND ANSWERS :

1. Question: - Did you sequence the cdi DNA directly or you cloned it using a sequencing vector such as M13 ?
- What is the size of the cDNA of *D.immitis* cloned in the gt 11 ?
Answer : - We use both approaches.
- 500 bp
2. Question: You have envisaged the possible chance to work further for vaccine.
Do you think, there will be no difficulty to obtain the translation of tubulin gene into protein with similar antigenicity with the native antigen.
Answer : Sure, there will be problems.
However, with the correct cDNA cloned into the appropriate expression vector, we should be able to get the protein with the native antigenicity.

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