

# Structure of a Ribonucleic Acid

**Abstract.** *The complete nucleotide sequence of an alanine transfer RNA, isolated from yeast, has been determined. This is the first nucleic acid for which the structure is known.*

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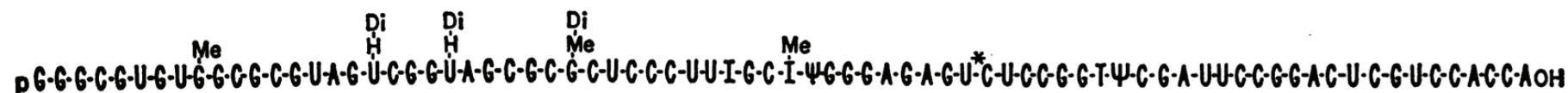
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## STRUCTURE OF AN ALANINE RNA



## LARGE OLIGONUCLEOTIDE FRAGMENTS

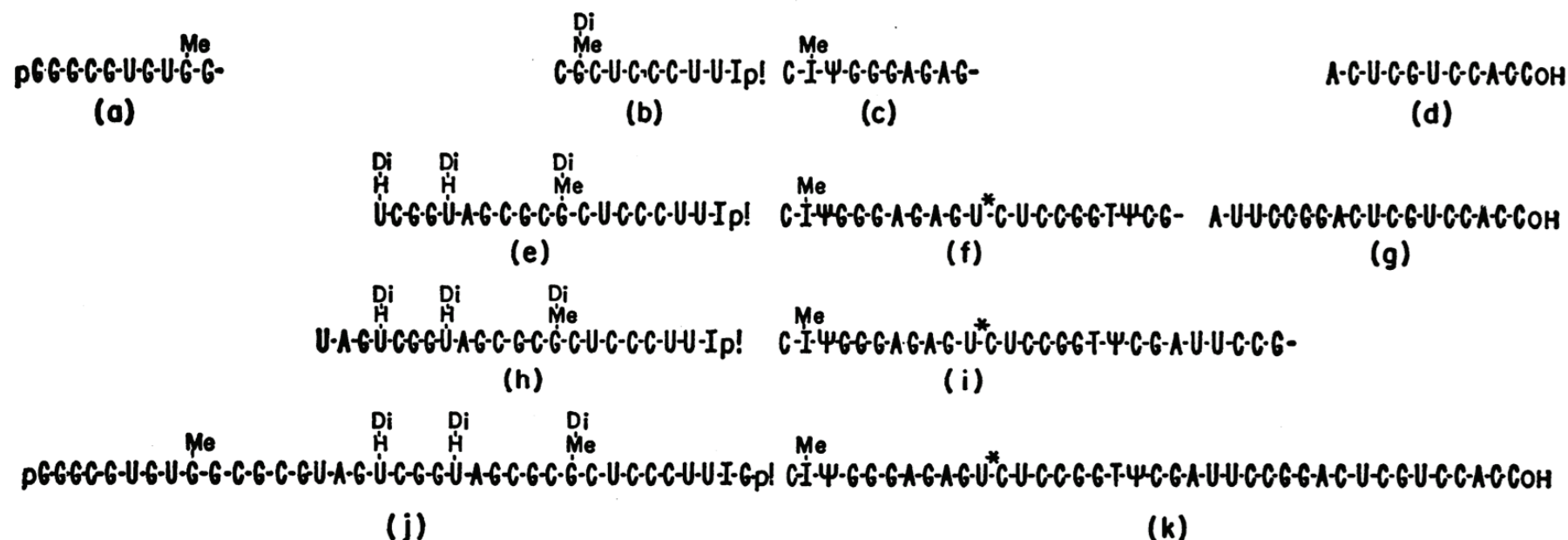


Fig. 1. The structure of an alanine transfer RNA, isolated from yeast, is shown at the top. Large oligonucleotide fragments that were crucial in the proof of structure are shown below.