



## MANTRA : Manchester Database of tRNA and related sequences

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Transfer RNA Sprinzi Representation (Clover Leaf), is single stranded 75-90 nucleotides folded to give precise shape, this acts as an intermediate between mRNA and protein. Considering the value in the secondary structure, I created a database called MANTRA : Manchester Database of tRNA and related sequences. This contains tRNA collected from various organisms available in different databases, and predicted its secondary structure, and made it accessible under one site. The architectural overview of the database i.e. Visual Modelling of tRNA database was done by applying Unified Modelling Language [UML] using Rational Rose 98i. Back and forth usage of software clustalW and DCSE (Dedicated Comparative Sequence Editor) were used to predict and validate secondary structure of these tRNA. The intention is to have the data from from these database to be used with a user-friendly search engine for students and researchers to easily find tRNA sequences with their secondary structure to find answers and further their research. | Format: Paperback | Language/Sprache: english | 64 pp.



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