

FRISYS - Seminar

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ALBERT-LUDWIGS
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RNA Sequence Structure Properties

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Previously, RNA was more or less considered to be just an intermediate step in the translation from DNA to protein. But recently, RNA gained more interest since it was found that it has much more functionality. This was the reason that research on small RNAs was cited as past year scientific breakthrough. Hence, one is especially interested in finding conserved RNA-motifs. It has been shown that structure is more conserved than sequence when considering RNA-motifs. Hence, all sequence-based methods for finding RNA-motifs such as multiple sequence alignment will fail. We will shortly give an overview over existing approaches for finding RNA-motifs, before we consider some problems in more detail.



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