Abstract

The preliminary research in the area of applications of neural networks and pattern matching algorithms in species classification is presented. Artificial neural networks for classification and different pattern matching algorithms for matching the given DNA patterns or strings with the existing DNA sequences available in the databases are specifically studied. A set of local searching algorithms were experimented for different test string lengths and their time complexity is tabulated. Conclusions and future directions are also presented.

References

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Artificial Neural Network based String Matching Algorithms for Species Classification – A Preliminary Study and Experimental Results


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Computer Science

Artificial Intelligence

Keywords

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