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| Application notes  TaxonSampling: maximizing taxonomy diversity in biased sequence databases  Jorge Augusto Hongo1, Maycom2, Alison Menezes Nascimento and Francisco Pereira Lobo2\*  1Department of XXXXXXX, Address XXXX etc., 2Department of XXXXXXX, Address XXXX etc.  \*To whom correspondence should be addressed.  Associate Editor: XXXXXXX  Received on XXXXX; revised on XXXXX; accepted on XXXXX  Abstract  **Motivation:** Sequence databases are highly biased in terms of taxonomic diversity, with a few taxa responsible for the majority of sequence entries. A non-trivial task is to automatically select a highly diverse set of sequences from a taxonomic perspective from such sets.  **Results:** We present TaxonSampling, a software to select, from a set of M sequences, N subsequences with maximum diversity.  **Availability:** TaxonSampling is freely available at  **Contact:** example@example.org  **Supplementary information:** Supplementary data are available at *Bioinformatics* online. |

# Introduction

The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog..

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# Methods

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# Results

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## Data Structure This is Heading 2 style this is heading 2 style

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**Fig. 1. Relation between τ and *t*.** This example has only two continuous Steppers, S1 and S2.

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**Table 1.**Benchmark results of the cascade oscillators model

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| --- | --- | --- | --- | --- |
| |S| | Predicted cost | Timing | Predicted speed | Speed |
| 1 | S219.20(100%) | 68m43s | 1.00 | 1.00 |
| 2 | 29.10+219.10(~50%) | 35m13s | 2.00 | 1.95 |
| 4 | 219.20(100%) | 68m43s | 1.00 | 1.00 |
| 10 | 29.10+219.10(~50%) | 35m13s | 2.00 | 1.95 |
| 20 | 219.20(100%) | 68m43s | 1.00 | 9.5 |

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Acknowledgements

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*Conflict of Interest:* none declared.

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