

Sequence Bioinformatics

WiSe 21/22

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Assignment 02

(Submission on 03.11.21)

1 Needleman-Wunsch basic implementation

2 Needleman-Wunsch with linear space

3 Needleman-Wunsch, no table

4 Comparison

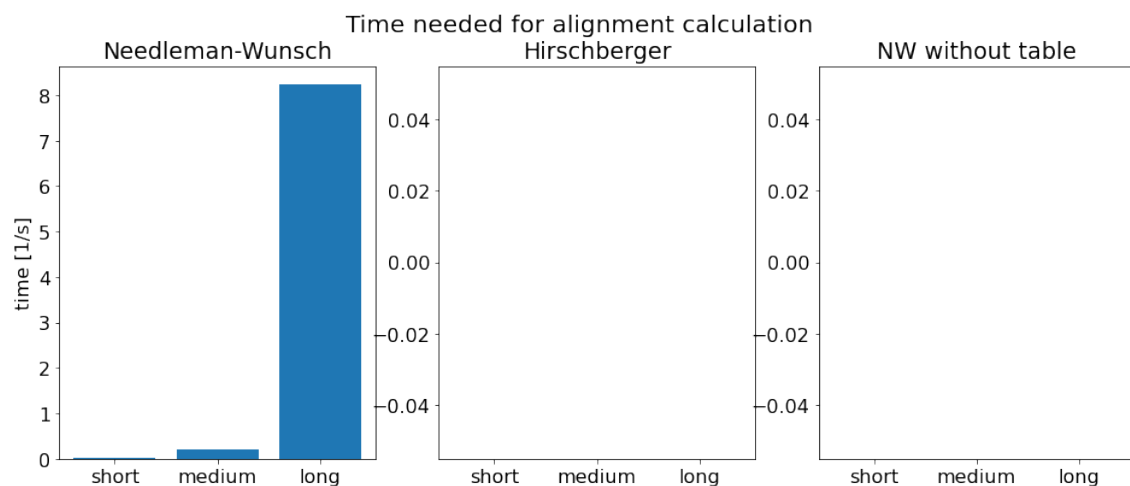


Figure 1: Plot of the time needed for the alignment calculation depending on the sequence length for each algorithm.

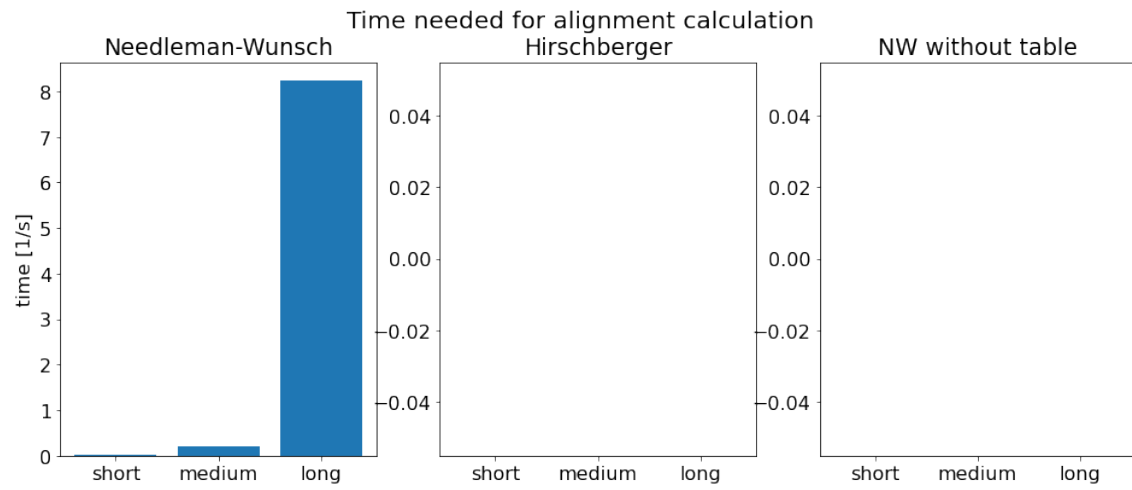


Figure 2: Plot of the memory usage for the alignment calculation depending on the sequence length for each algorithm.

References