

Bioinformatics – Lecture Notes

Class 8

Finish Gotoh's Algorithm

Tandem Repeats

A subsequence might be repeated many times in a sequence.

When aligning sequence with tandem repeats can use the 'wrap around' method to minimize calculations.

When implementing the wrap around method, look at the section with tandem repeats separately. Write the repeated sequence only once in the similarity matrix. Align as usual except when reaching the end of the repeated sequence, use that value as the first value in the next row and repeat this procedure.