

Algorithms for Bioinformatics (Autumn 2015)

Exercise 1 (Tue 8.9., 10-12, B222)

If you cannot make it to the exercise session, please e-mail your solutions and the reason why you cannot attend to daniel.valenzuela@cs.helsinki.fi before the exercise session to get credit.

Programming exercises related to the course book are available on the Rosalind platform at <http://rosalind.info/problems/list-view/?location=bioinformatics-textbook-track>

Solve the following Rosalind problems **using Python** and be prepared to present your solutions at the exercise session:

1. BA1B: Find the Most Frequent Words in a String
2. BA1C: Find the Reverse Complement of a String
3. BA1D: Find All Occurrences of a Pattern in a String
4. BA1E: Find Patterns Forming Clumps in a String
5. BA1F: Find a Position in a Genome Minimizing the Skew
6. BA1H: Find All Approximate Occurrences of a Pattern in a String
7. BA1I: Find the Most Frequent Words with Mismatches in a String
8. BA1J: Find Frequent Words with Mismatches and Reverse Complements