Time plan

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Supervisor:

Lars Arvestad

Project:

An UNIX application to perform phylogenetic independent contrast (PIC) on sequences phylogenetic tree and visualize the output as seq-logo.

In this project, I will implement and modify phylogenetic independent contrast on phylogenetic trees of DNA or protein/peptide sequences and visualize them as a sequence logo.

The project's goal is to account for the evolutionary history of sequences and observe how the visualization changes, as well as the interpretation of these changes and why these are meaningful in comparison with other methods for seq-logo.

Time plan:

Week	Focus
36	Read articles on PIC to have a better understanding of the algorithm
37	Consult my supervisor for my understanding of PIC and try applying them to data samples
38-39	Build prototype of the UNIX app and do testing on data samples
40-41	Appease the machine spirit and hope for a stabilized version of the UNIX app
42-44	Writing for a draft report
45-47	Continuously refine the draft and work on the presentation
47-50	Hopefully I will have a final version of the thesis by now and don't have to harass my supervisor during Christmas time
52-1	Get prepared psychologically for the presentation day