Interactive Visualization of HMMER Models

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Abstract

Profile hidden Markov models (profile HMMs) use position specific probabilities to align and score potential homologous sequences. Consequently, typical models may contain thousands of relevant parameters. Efficient visualization of the parameters of a profile HMM is sometimes useful, especially if an HMM is to be manually edited. Two of the popular profile HMM packages, SAM (UC Santa Cruz) and HMMpro (NetID), include visualization tools. We have developed a freely available interactive visualization tool for HMMER, written in Perl/Tk.

References

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