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Author <b>Pontus Larsson</b>		
Title (English) <b>Development of application for predicting non-coding RNA genes</b>		
Title (Swedish)		
Abstract <p>A strategy for predicting the occurrence of non-coding RNA genes was developed. The strategy is based on a combination of transcription signals, structural features and secondary and tertiary structure conservation. An application implementing this strategy was programmed using a combination of the Java and FORTRAN programming languages. The strategy and application was verified by predicting a certain class of tRNA genes in chromosomes 1-10 in <i>Sacharomyces cerevisiae</i>. 24 out of 24 predicted tRNAs were confirmed using a BLAST similarity search.</p>		
Keywords Non-coding RNA, Hidden Markov model, Hairpin, RNA polymerase III, Application		
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