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Title (English) Statistical evaluation of local alignment features for prediction of protein allergenicity using supervised classification algorithms			
Title (Swedish)			
Abstract In this work a statistical evaluation of alignment based features for prediction of protein allergenicity was performed. The evaluation consisted of four key components: 1) A new high quality in-house database consisting of 318 allergenic and 1007 non-allergenic amino acid sequences. 2) Three different supervised classification algorithms. 3) A large set of local alignments procedures using a wide range of different parameter settings. 4) Novel performance curves in order to display statistical variations due to small data sets.			
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