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Author <b>Andreas Bernsel</b>		
Title (English) <b>Analysis of SNP microarray data using the rough set approach</b>		
Title (Swedish)		
Abstract <p>New methods for association analysis based on Rough Set theory were developed and successfully applied to both simulated and biological genotype data. An estimation of the significance level of the results was assessed through a randomization procedure. The results here confirm earlier findings of two Single Nucleotide Polymorphisms (SNPs) possibly associated to Systemic Lupus Erythematosus (SLE). Additionally, one new SNP was found which might be significantly associated to SLE.</p>		
Keywords <p>SNP, minisequencing, association analysis, Systemic Lupus Erythematosus, machine learning, rough set, rough modeling</p>		
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