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Author Eva Berglund		
Title (English) Assessing the quality of clusters in microarray data – a comparison of functional and numerical measures		
Title (Swedish)		
Abstract Useful hypotheses about gene function can be retrieved from microarrays, capable of measuring the expression of thousands of genes simultaneously, since genes with similar expression pattern often have related function. Identification of such genes is usually performed through clustering of expression data. There is a wide selection of clustering methods, and there is no generally accepted measure to assess the quality of a cluster solution. In this work, a set of expression data was clustered using a variety of methods, and the results evaluated using Gene Ontology annotations as well as three numerical indices. Functional and numerical evaluations were found to give inconsistent results, and differences between algorithms in terms of sensibility to parameter selection were observed.		
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