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Author	<b>Eva Schreil</b>	
Title (English)	<b>Evaluation of Pattern Recognition Methods Applied to In Vitro IgE Measurements</b>	
Title (Swedish)		
Abstract	<p>Food allergens from the plant kingdom are an important source of allergic reactions which are difficult to diagnose. Methods that can visualise relationships between these allergens are therefore needed. The main aim of this project was to evaluate pattern recognition methods for visualisation of multidimensional measurements of immunoglobulin E (IgE) in blood sera. Multidimensional scaling (MDS), a method for visualisation of multidimensional data in a reduced space, was evaluated and tested on IgE data from three patient groups with different IgE reactivity to cereals and grass in order to reveal relationships between food allergens from the plant kingdom. The results show that MDS is a useful and robust method for visualisation of IgE data.</p>	
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Supervisors	<b>Annica Önell Ingvar Edlert</b> <b>Phadia AB, Uppsala</b>	
Scientific reviewer	<b>Mats Gustafsson</b> <b>Department of Engineering Sciences, Uppsala University</b>	
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<b>Biology Education Centre</b> Box 592 S-75124 Uppsala	Biomedical Center Tel +46 (0)18 4710000	Husargatan 3 Uppsala Fax +46 (0)18 555217