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Author	Jeanette Grundström	
Title (English)	The screening of a basophil cDNA-library in search of novel lineage-specific proteins	
Title (Swedish)		
Abstract	Basophils are important mediators in many allergies. More information on their protein expression profile can give important clues as to their function. In this project, a cDNA library made from <i>in vitro</i> cultured basophil-like cells was screened in search of basophil-specific proteins. Lineage-specific proteins were often found in more than one clone, which is important since it indicated that the library has good coverage and that the lineage-specific proteins are highly expressed. To find full-length clones of interesting hypothetical proteins in the cDNA library, different primer pairs were designed. In the end, more than 150 proteins were found, and of them eleven were hypothetical proteins that might represent possible target molecules in allergy therapy.	
Keywords	Basophils, cDNA, screening, primer, granula, allergy, antibody	
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