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Author Christine Hanefalk		
Title (English) Functional studies of the <i>jumonji</i> domain		
Title (Swedish)		
Abstract The <i>jumonji</i> domain is a well conserved protein domain which is common to a number of transcription factors, present in a large array of eukaryotic organisms. The <i>jumonji</i> domain is interesting in that it consists of two physically separate regions which always occur together. It has thus been suggested that the <i>jumonji</i> domain is a bipartite domain. The aim of this study has been to investigate this claim by setting up two-hybrid experiments where shorter fragments of the domain would be tested against previously identified proteins, known to be able to interact with the full-length <i>jumonji</i> domain of the <i>Saccharomyces cerevisiae</i> transcription factor Gis1.		
Keywords Jumonji, transcription, two-hybrid system, molecular evolution		
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