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Title (English) Structural and functional characterization of active site mutants of the DNA double-strand break repair enzymes Rad50 and Mre11		
Title (Swedish)		
Abstract By studying the three-dimensional structure of proteins, information about their mechanisms might be drawn. The Mre11/Rad50 complex is vital to the repair of DNA double-strand breaks and the structure of different mutants of the two constituents have been determined to explore the specific roles played by certain amino acids in the active site. Isolation of the MCM protein of <i>Methanobacterium thermoautotrophicum</i> has also been attempted.		
Keywords DSB, repair, Mre11, Rad50, MCM, mutation		
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