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Author <b>Mårten Hellberg</b>		
Title (English) <b>Dimerization of the penicillin-binding proteins in <i>Escherichia coli</i></b>		
Title (Swedish)		
Abstract <p>The penicillin-binding proteins (PBP's) play a crucial role in the bacterial cell cycle by synthesizing the peptidoglycan. They are popular drug targets and have been studied for decades as they are the target for the first antibiotic discovered – penicillin. However, due to an increasing resistance to antibiotics, new means of disrupting their function are needed. A complete understanding of the multi-protein complexes that make up the peptidoglycan synthesizing machinery is therefore of interest. A fundamental knowledge for elucidating the multi-protein complexes are the biological conformation of the proteins. In this work we provide evidence that most PBP's form dimers and that for PBP5 dimerization occurs in the membrane anchor.</p>		
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