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Title:	Analysis of DGOR protein docked with ligand D-galactonate
Authors:	Yadav, Kapil (/jspui/browse?type=author&value=Yadav%2C+Kapil)
Keywords:	Root mean square fluctuation Root mean square deviation Native contact analysis DNA-protein interaction
Issue Date:	Dec-2019
Publisher:	IISER Mohali
Abstract:	D-galactonate is long known as a source of sugar acid for E.coli family. It was recently found that DgoR deletion accelerates the growth of E. coli in D-galactonate concomitant with the strong constitutive expression of dgo genes(10). We are going to discuss the effect of D-galactonate as a ligand on the binding property of the protein DgoR (strain K=12). In order to do that we are going to compare two forms of DgoR protein by running molecular simulation on the system consisting of DgoR and DNA.
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