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- reveal that site specific dynamics with mutant protein resemble those of free junction. Global rotational information confirms that mutant and WT complexes are present. These results suggest that the protein residues identified in the MD
- These results suggest that the protein residues identified in the MD simulations do play a role in interacting with the junction.
- Domain-domain interactions support presence of DBR and potentially point to allosteric interactions
 In structure docked with HJ, the protein makes three points of contact with the DNA- through the Msh5 clamp and Msh4 DBR

contacts with the junction core and arms. Model is consistent

with our mutational and spectroscopic studies.

and clamp.