Supplementary Material

Daniel Bolinger, Joanna I. Sułkowska, Hsiao-Ping Hsu, Leonid A. Mirny, Mehran Kardar, Jose N. Onuchic and Peter Virnau

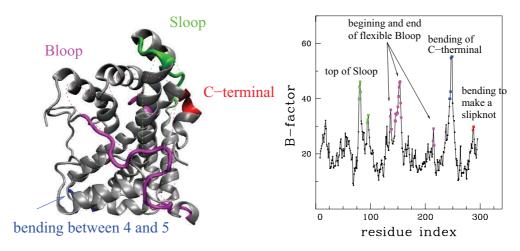


Figure 1: Structural elements of DehI and B-factors. Left, cartoon representation of DehI. Colors highlight the 5 major structural sections of the protein 1. amino acids 1-64 - several α -helices, 2. amino acids 64-135: S-loop - two long α -helices, 3. amino acids 135-234: B-loop 3 α -helices connected by a proline-rich unstructured part of the backbone, 4. amino acids 234-252: segment of the backbone which crosses the B-loop, 5. Long α -helix which crosses B-loop and S-loop. Right, mean square fluctuations of individual residues presented as B factor.