

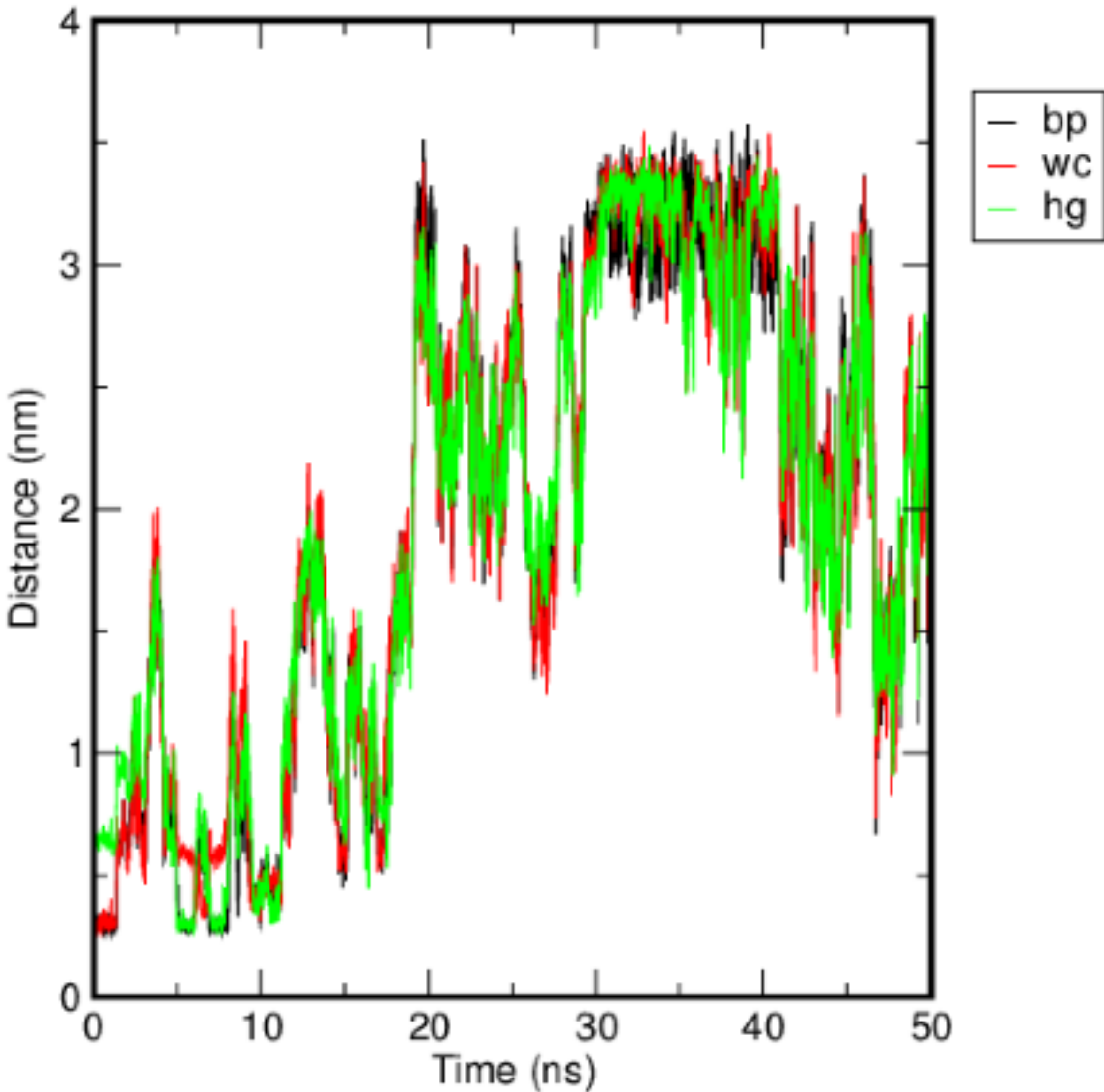
**Bias and
transitivity**

2-D metadynamics

width (w): 0.1 nm; 0.35 rad

height (H): 0.25 kJ/mol

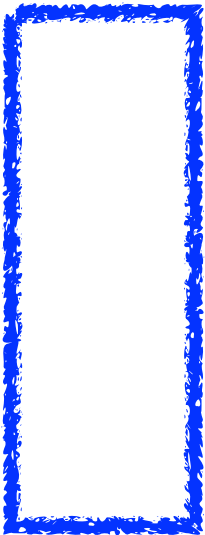
deposition frequency: 0.5 ps⁻¹

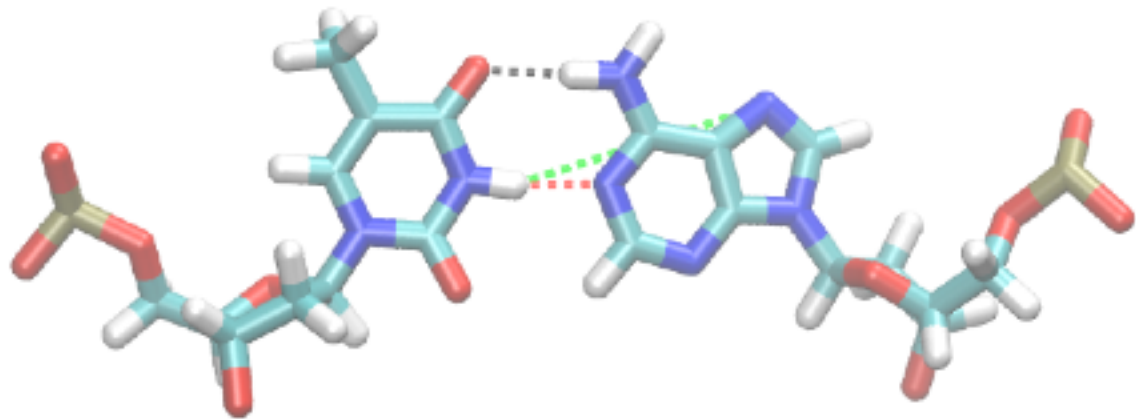


No convergence

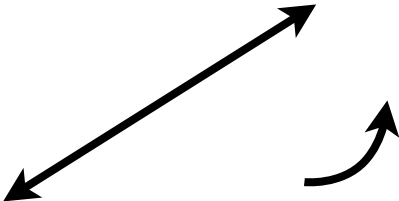
Instead, distortion and unfolding of
the DNA fragment

This metadynamics attempt failed...





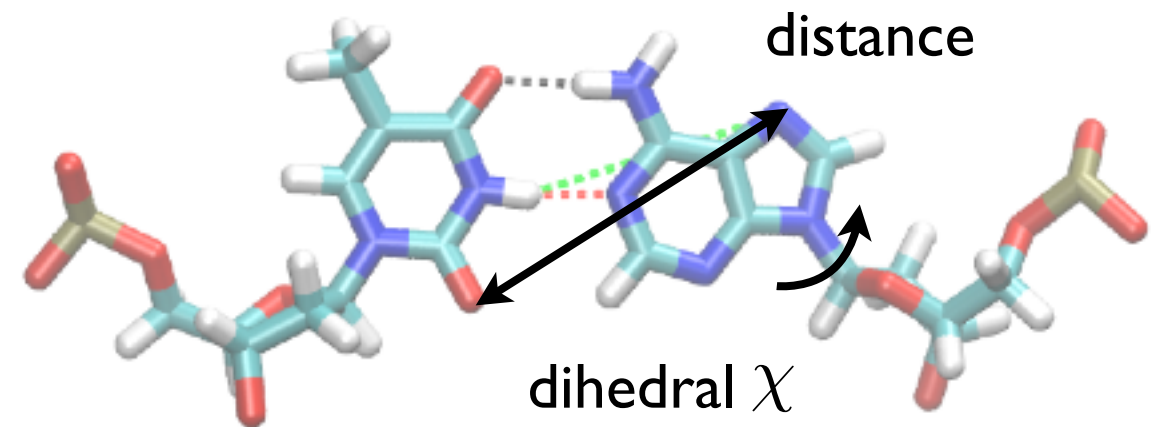
distance



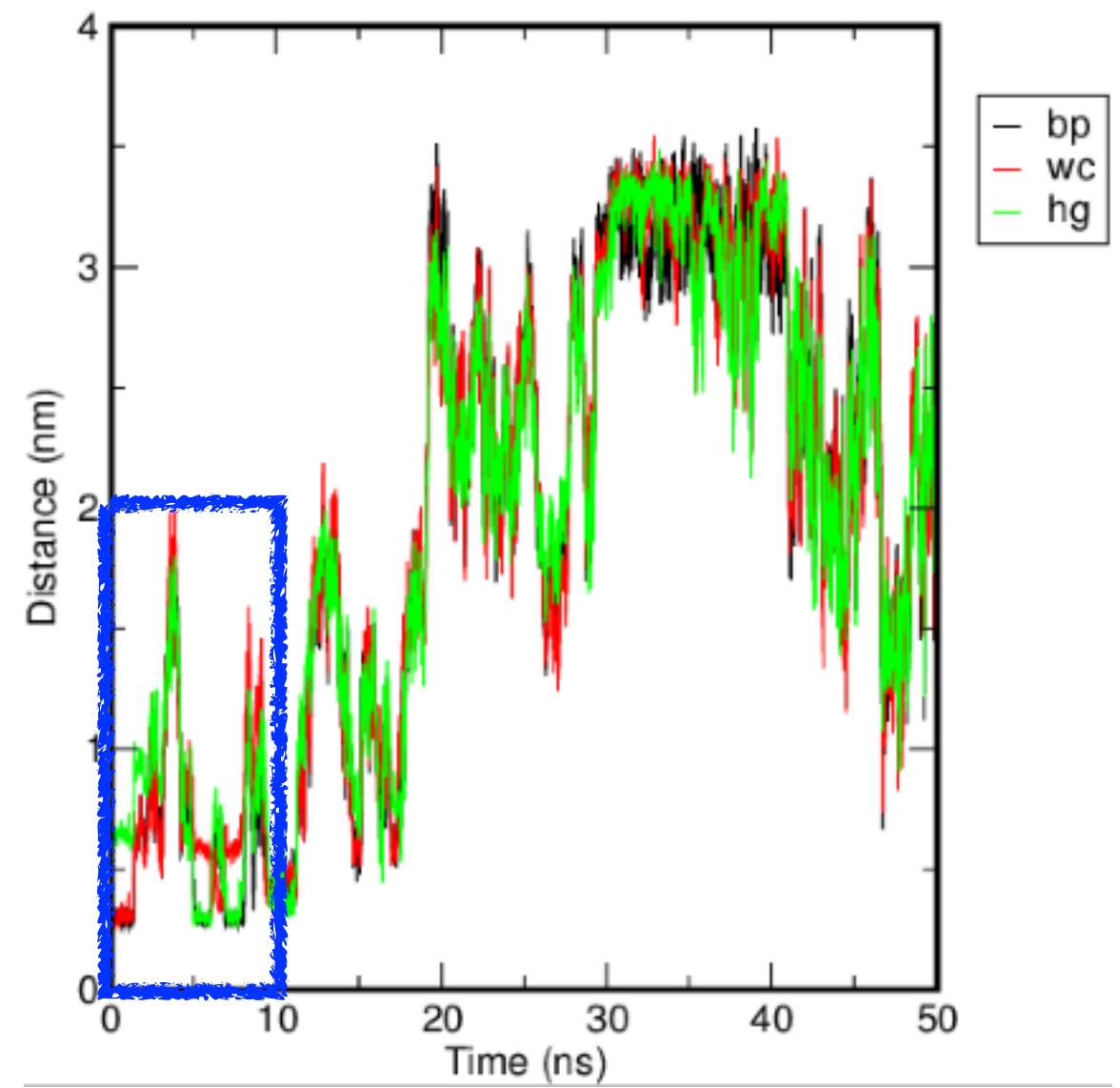
dihedral χ

Biased transition

2-D metadynamics
width (w): 0.1 nm; 0.35 rad
height (H): 0.25 kJ/mol
deposition frequency: 0.5 ps⁻¹



No convergence
Instead, distortion and unfolding of
the DNA fragment
This metadynamics attempt failed...



Crossing probabilities

