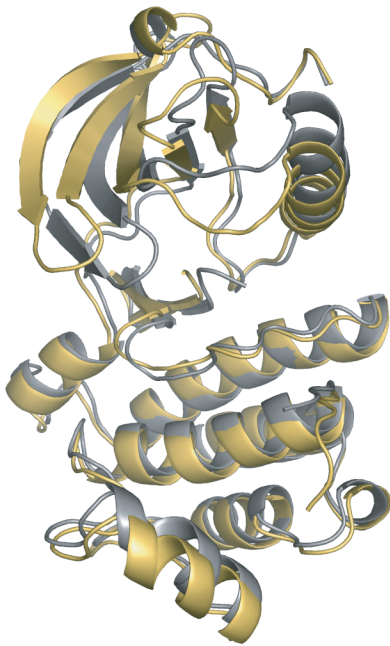


Figure S2

A

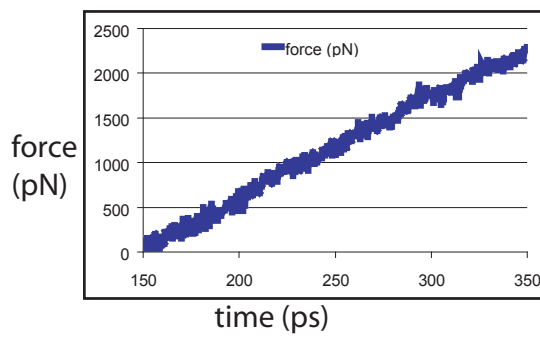


● Abl simulation (200 ps)

● Abl Molecule B

B From top to bottom: restraint force vs. time, r.m.s. deviation vs. time for two simulations (force constant $K=10.5 \text{ pN/\AA}$).

i) No DFG flip occurs



ii) Partial DFG flip occurs

