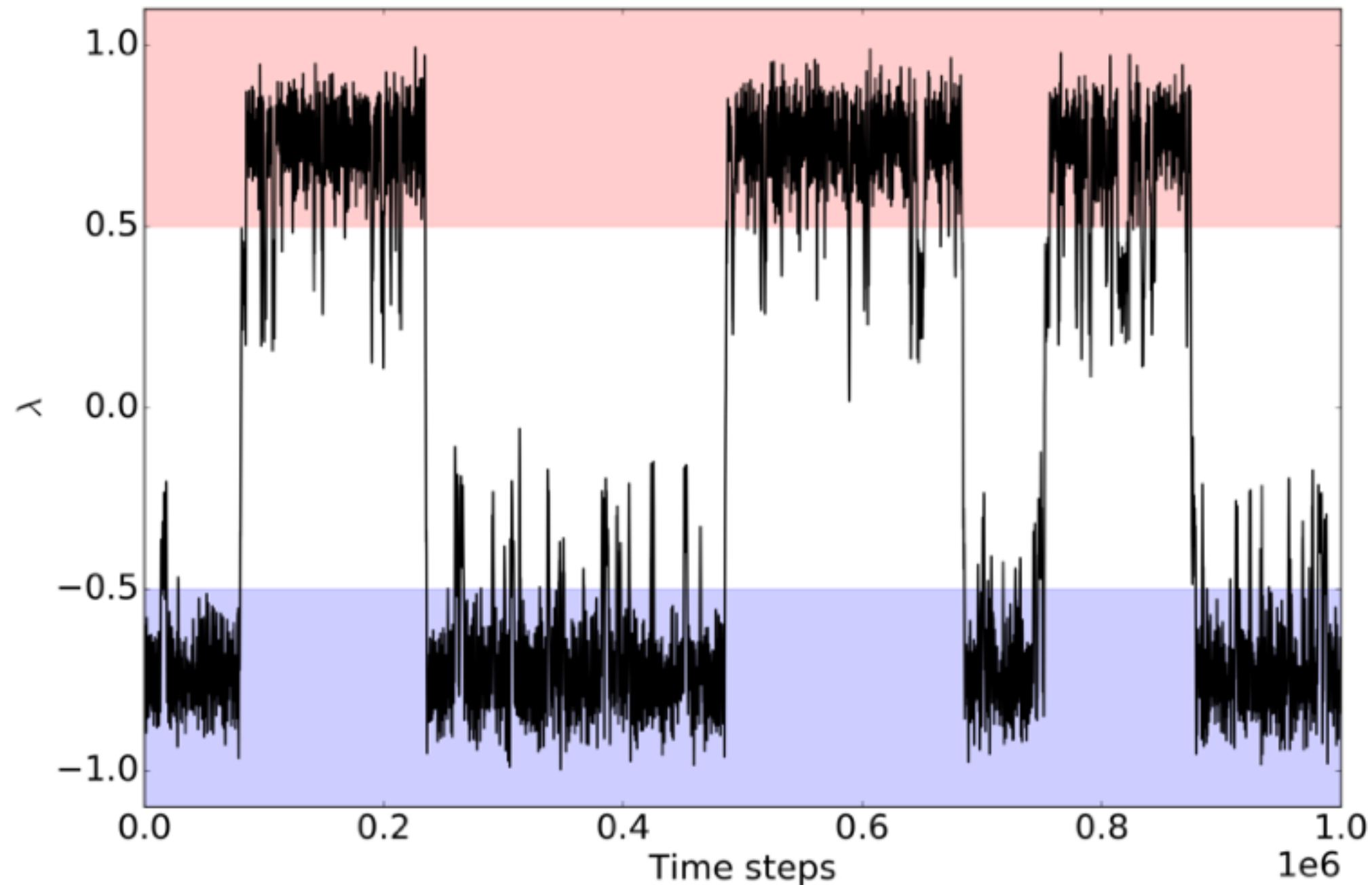


# What makes a state “stable”?



Obviously: Something isn't changing!  
For protein-ligand binding, contacts with ligand

# On-the-fly stable states

- Measure of stability
  - number of contacts (5; could use 4)
  - fraction of time present (95%; could use 90%)
- Duration of stability (5ns; could use 3ns)
- Predefine known states (target; unbound)
- Exclude known states from on-the-fly states

*On-the-fly states can be identified by the contacts present*