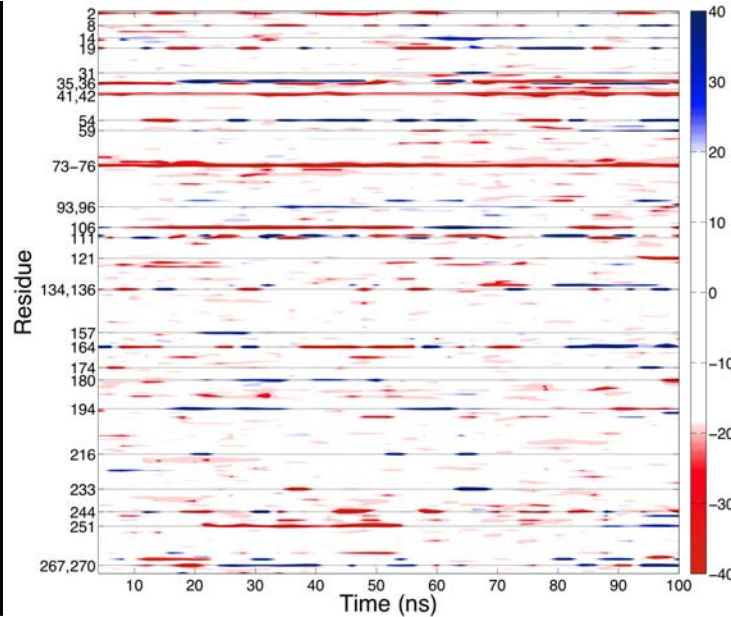


The Fluctuogram of Protein Dynamics



Protein Structure Network



Fluctuogram



Sequence Alignment

- Fluctuogram reveals the mechanism of allosteric coupling.
- Coupling strengths between protein residues (output of fluctuogram) capture the function-gaining mutation sites identified in directed evolution.
- Fluctuogram also captures residues with high correlation in sequence alignment.