Lab 5 Shuhan Xu

5.2.2.1

1: EA=0

2: EA=1

3: EA=2

4: EA=2

5: EA=0

6: EA=1

7: EA=2

8: EA=1

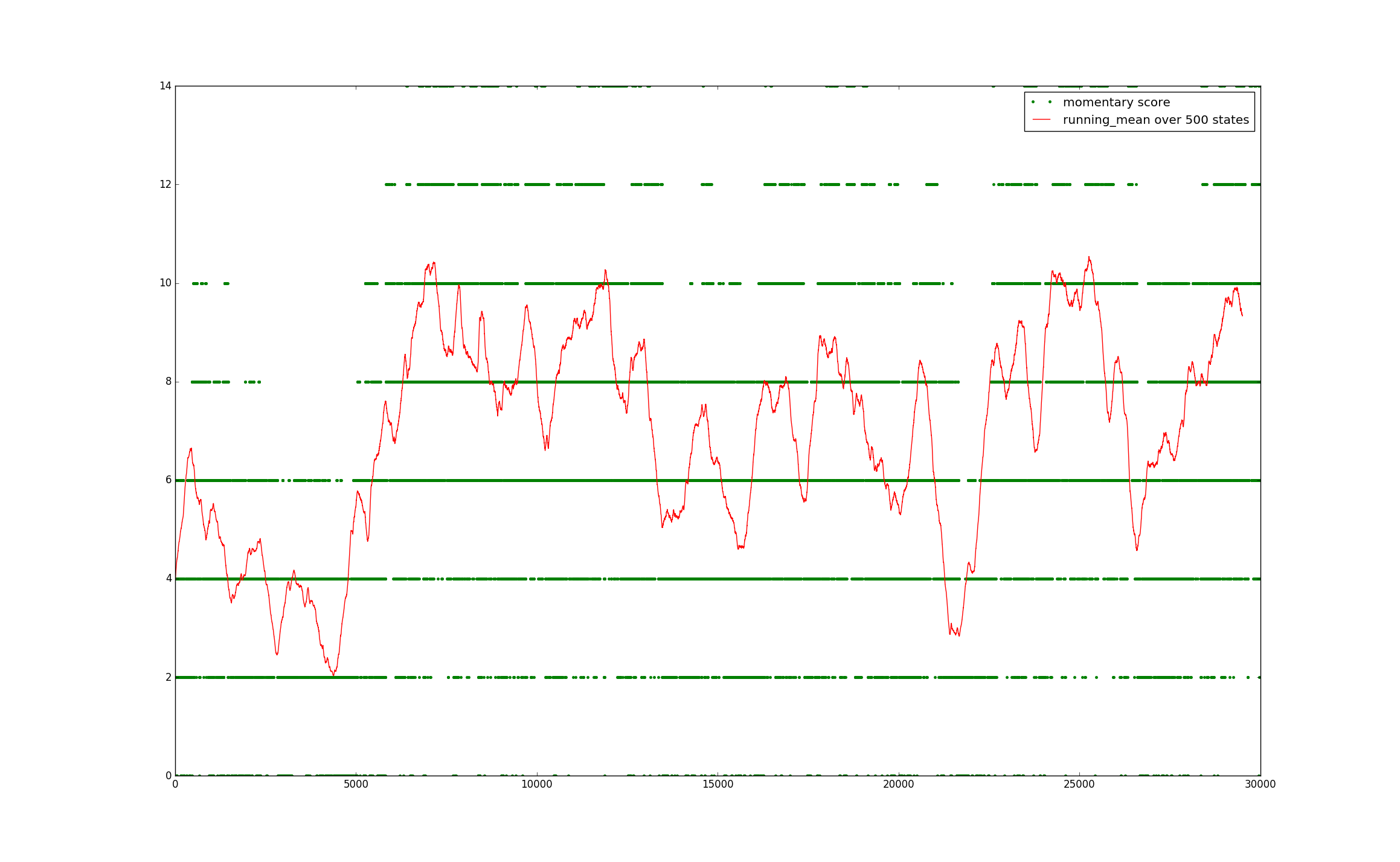
5.2.2.2

The higher the score, the more packed/folded the model is.

5.3.1

At each step, the first and last residues can move to another position around the second and second last residues receptively if the new position is not block by the chain. If a middle residue forms a right angle bend, it can also flip to the diagonally opposite position provided that position is not blocked by the chain.

5.3.2



5.3.3

A folding sequence can adopt a folded state which can maintain in that state for a long simulation time. A low energy state may not be stable if it stays in that state for only a short time.

5.3.4