serf E54 mutant dimensions \square WT, Rg = 25.8 Å 0.08 E54A, Rg = 26.1 ÅE54D, Rg = 26.4 Åpopulation 0.06 -E54Q, Rg = 25.8 ÅE54GLH, Rg = 26.4 Å0.04 0.02 -0.00

30

Rg (Å)

35

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45

25

15

20