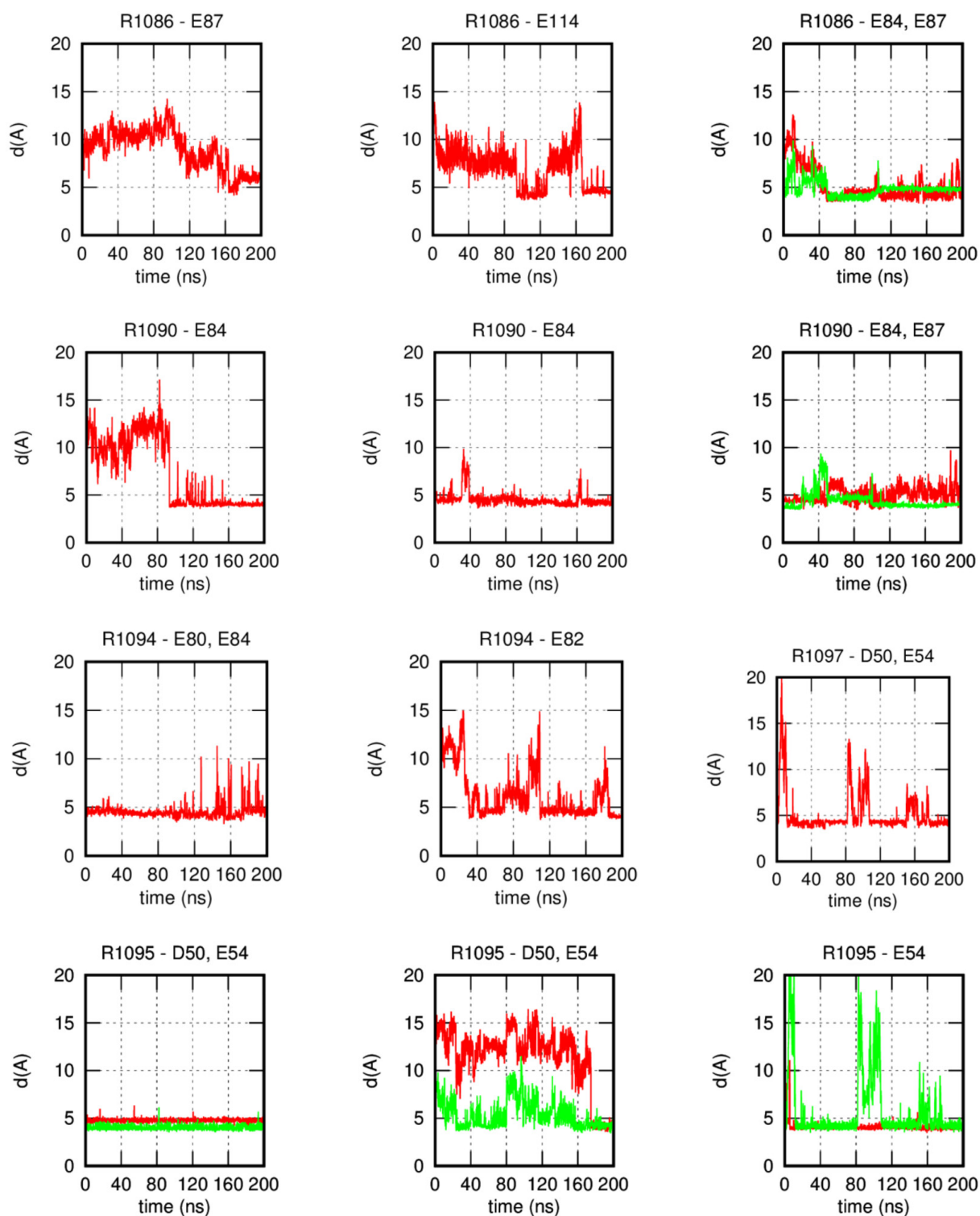


**FIGURE S1** Time evolution of salt bridges in M4nt/CaM within three independent MD runs. Distances about 5A indicate formation of salt bridges between termini of oppositely charged amino acids.



**FIGURE S2** Time evolution of salt bridges in M4ct/CaM within three independent MD runs. Distances about 5Å indicate formation of salt bridges between termini of oppositely charged amino acids.