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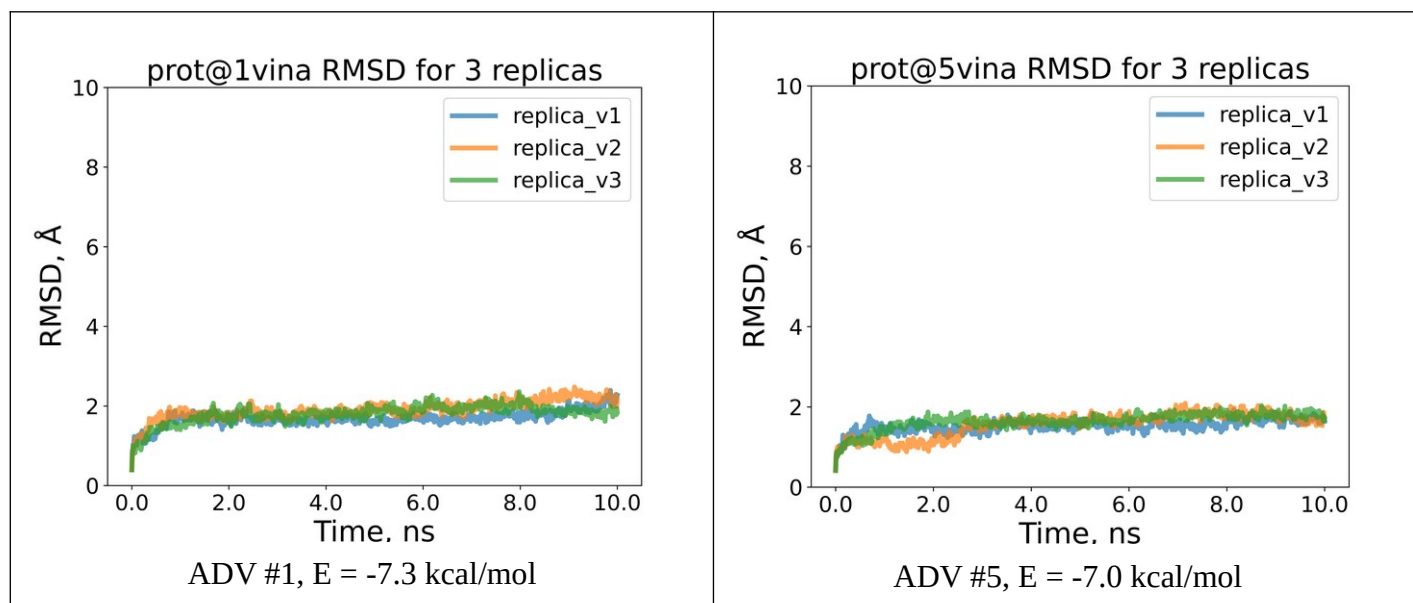
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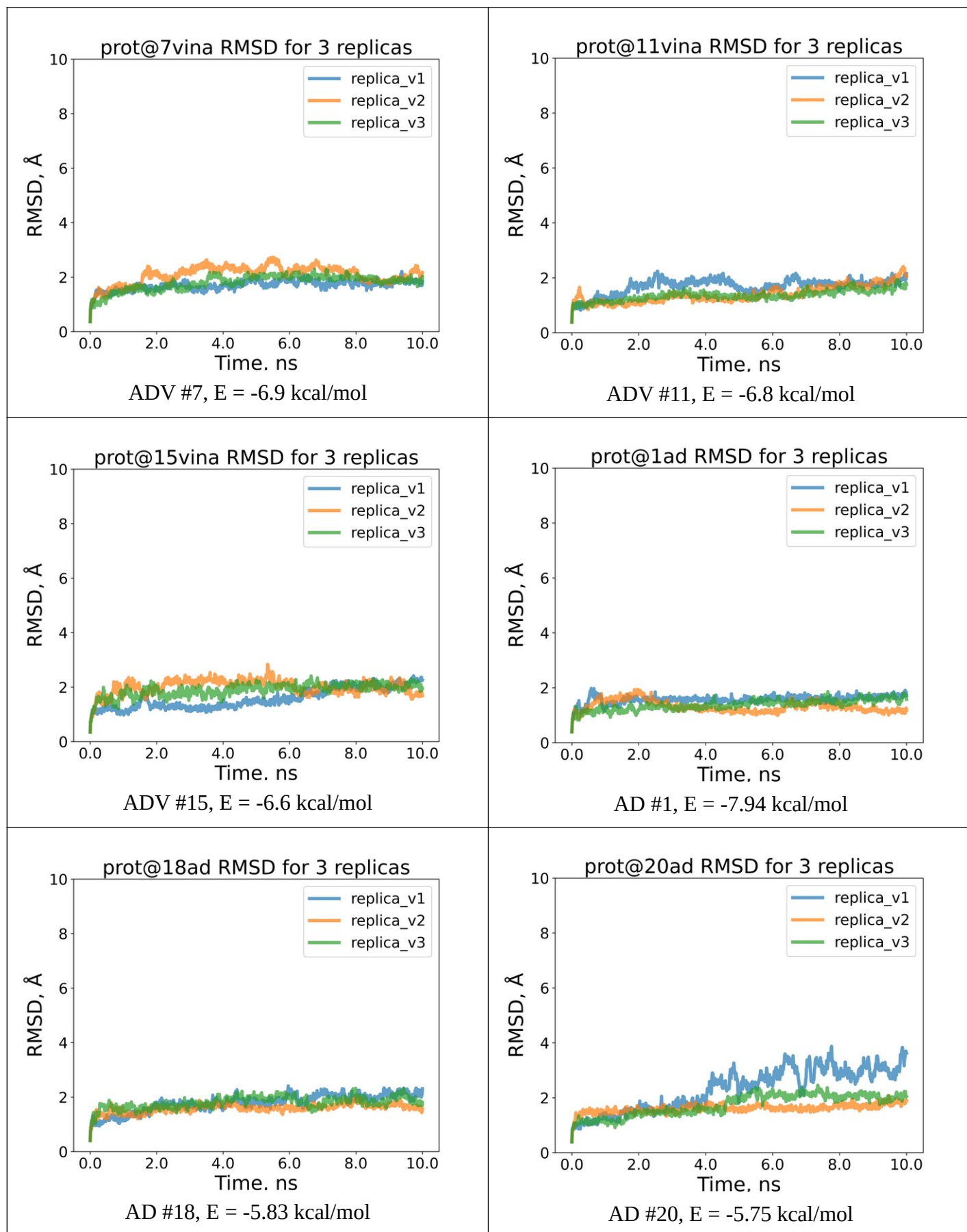
## RMSD for MD

### LPRDA-SrtA MD with 3 replicas for 10 ns

#### Receptor

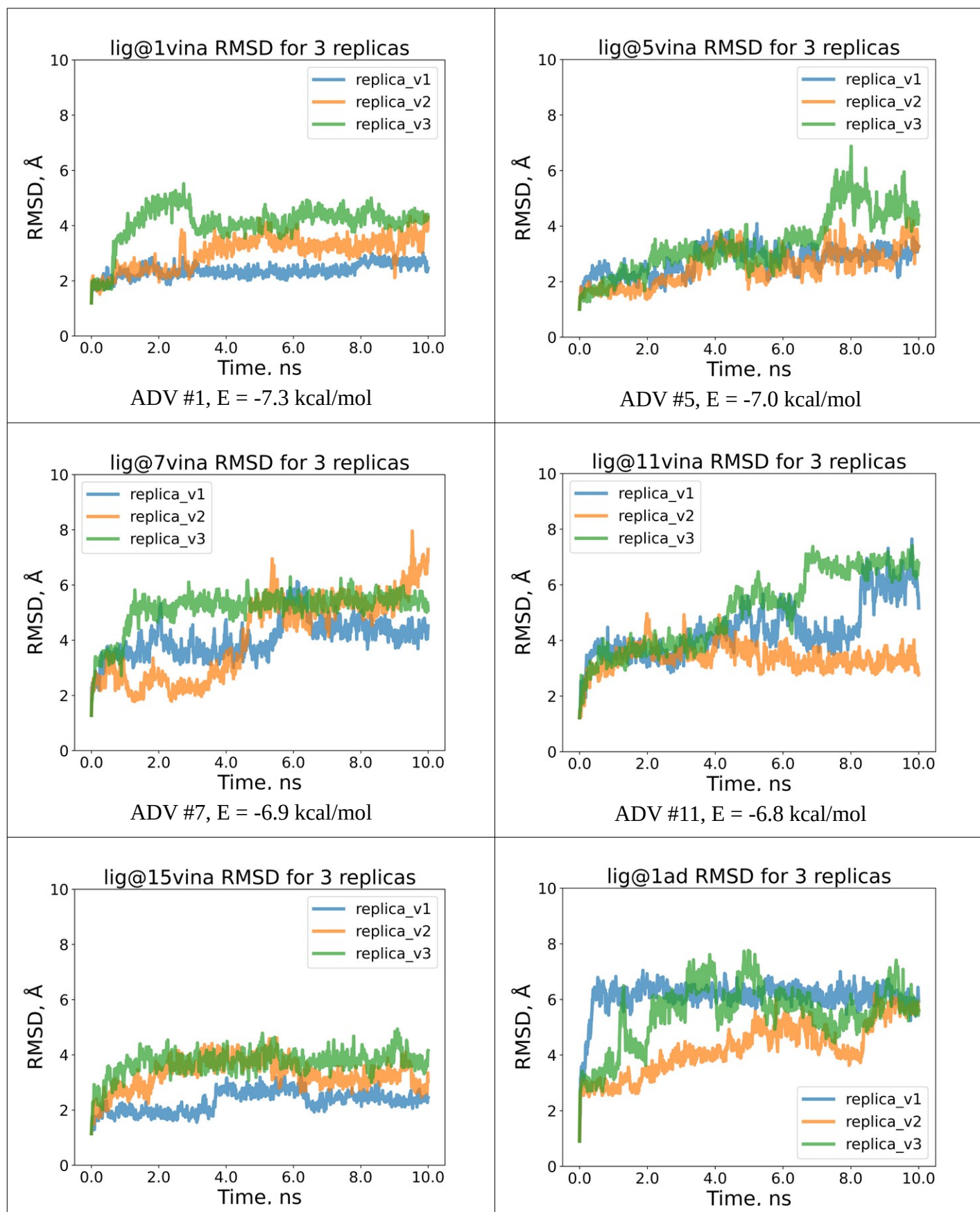
Table S1. RMSD values of the SrtA protein (C-alpha atoms) in LPRDA-SrtA complex.

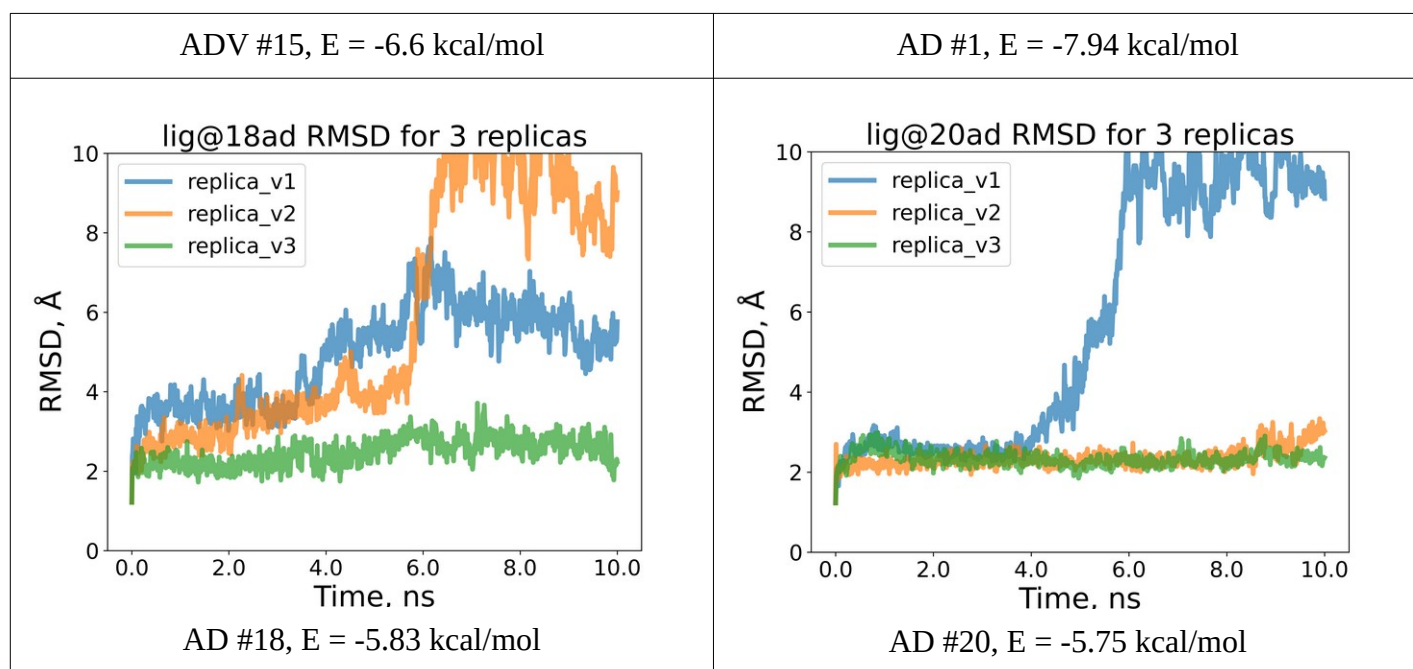




## Ligand

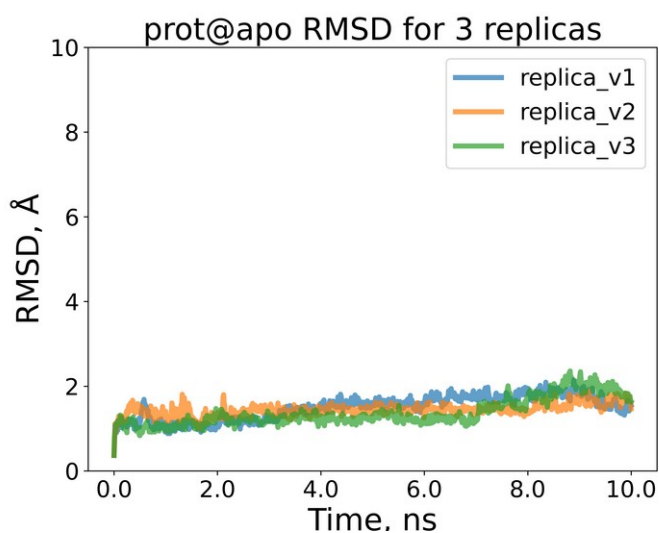
Table S2. RMSD values of LPRDA in LPRDA-SrtA complex.





### SrtA (apo form) MD for 10 ns

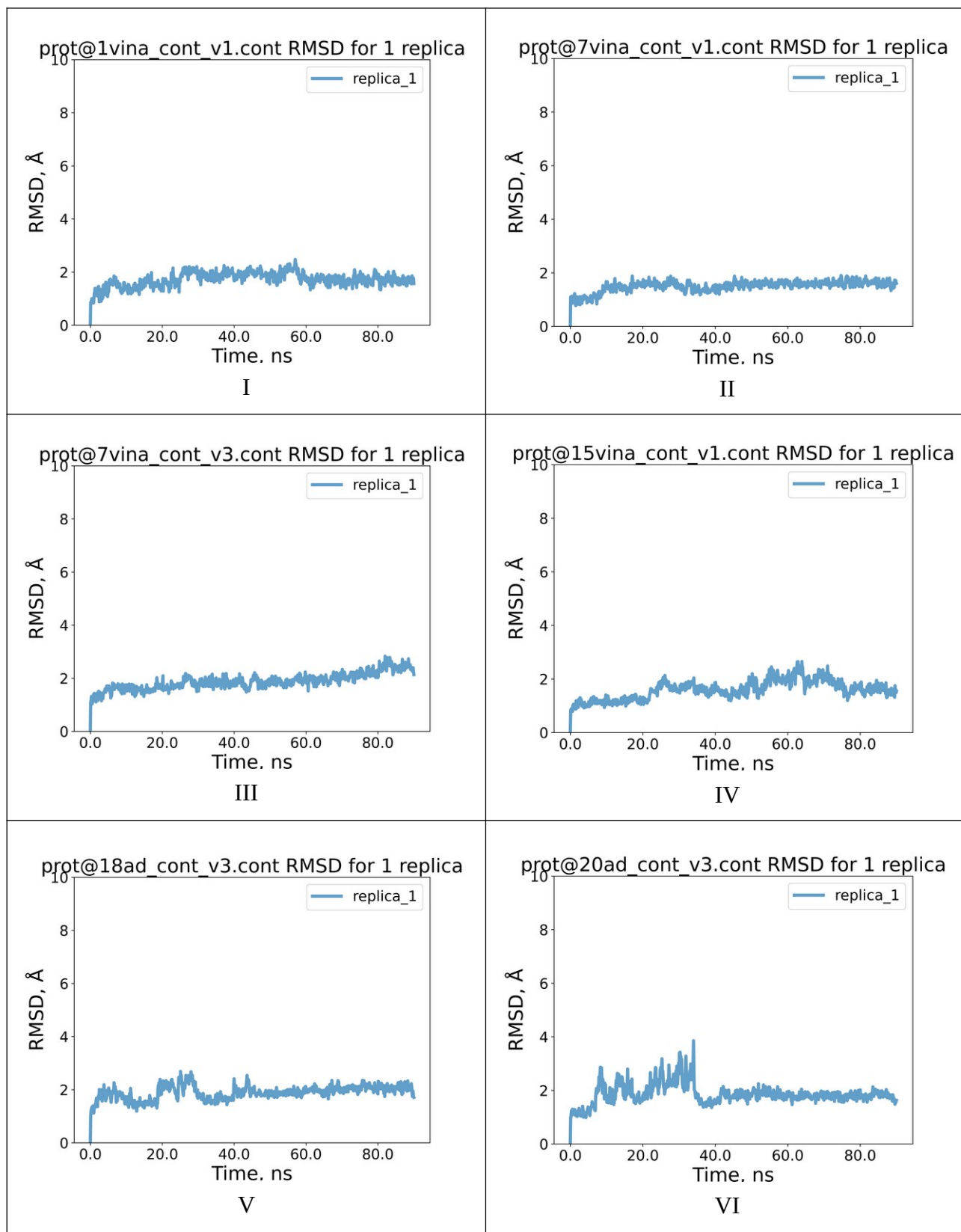
Figure S1. RMSD of the apo form of SrtA during the 10 ns MD simulation.



### LPRDA-SrtA complex MD for 90 ns (continuation)

#### Receptor

Table S3. SrtA (C-alpha atoms) RMSD for the continued MD (for another 90 ns) for the selected LPRDA-SrtA complexes. I. ADV #1 (repl.1), II. ADV #7 (repl. 1), III. ADV #7 (repl.3), IV. ADV #15 (repl.1), V. AD #18 (repl.3), VI. AD #20 (repl.3). The starting geometry for each complex was taken from the final geometries of the respective 10 ns MD trajectories.

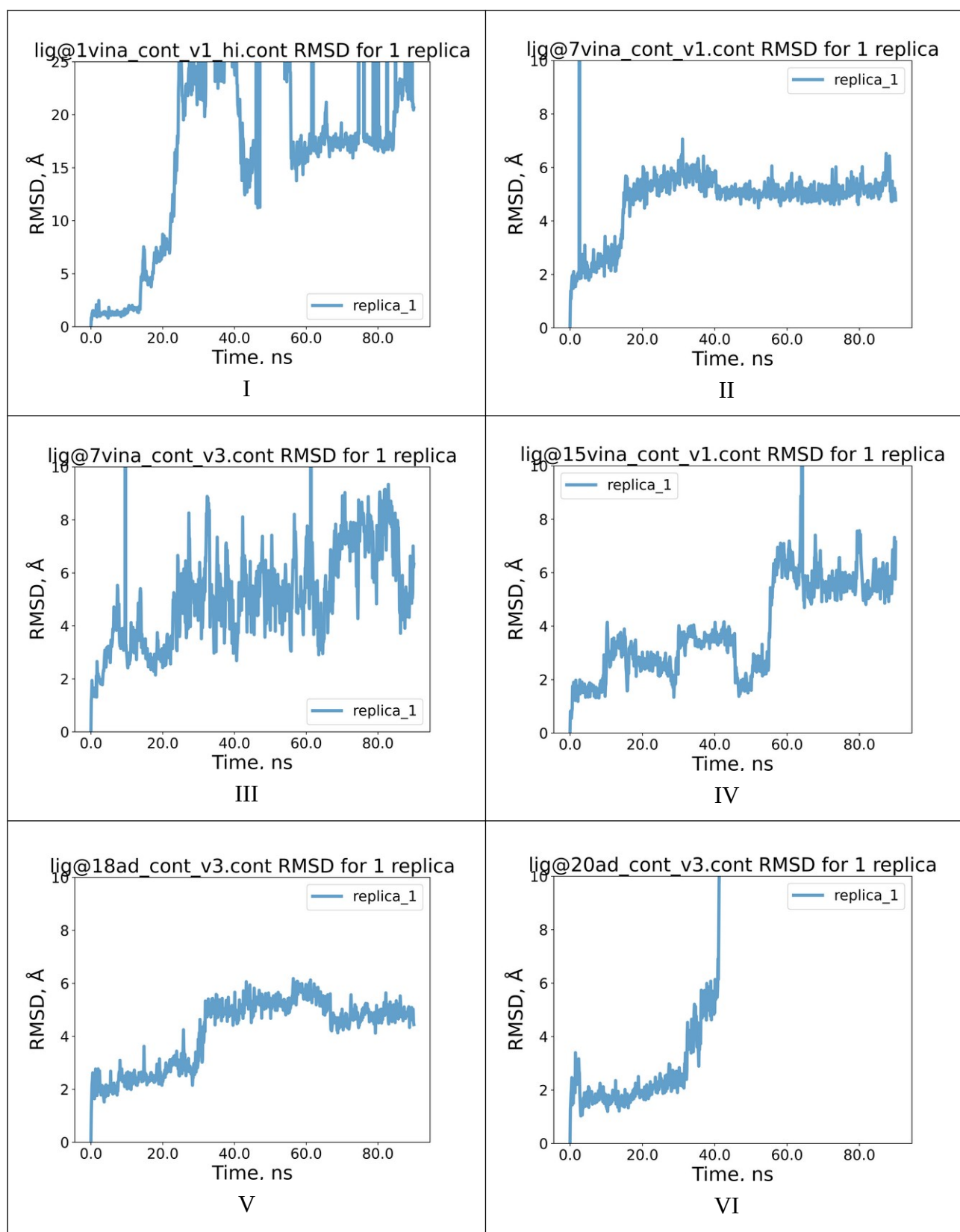


#### Ligand

Table S4. LPRDA RMSD for the continued MD (for another 90 ns) for the selected LPRDA-SrtA complexes. I. ADV #1 (repl.1), II. ADV #7 (repl. 1), III. ADV #7 (repl.3), IV. ADV #15 (repl.1), V.



AD #18 (repl.3), VI. AD #20 (repl.3). The starting geometry for each complex was taken from the final geometries of the respective 10 ns MD trajectories.



## RMSF analysis

### LPRDA-SrtA complex MD for 90 ns (continuation)

#### Receptor

Table S5. RMSF values obtained for the SrtA receptor from 90 ns MD simulation of 6 different LPRDA-SrtA complexes. RMSF values are obtained for C-alpha atoms.

