

## Supporting information

### **Silver Nanoparticle Alters the Dimerization of A $\beta$ 42 Studied by REMD simulations**

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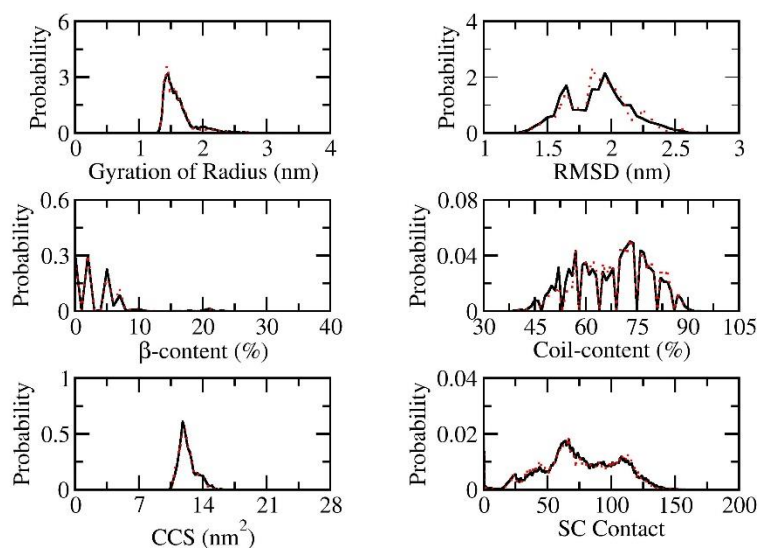
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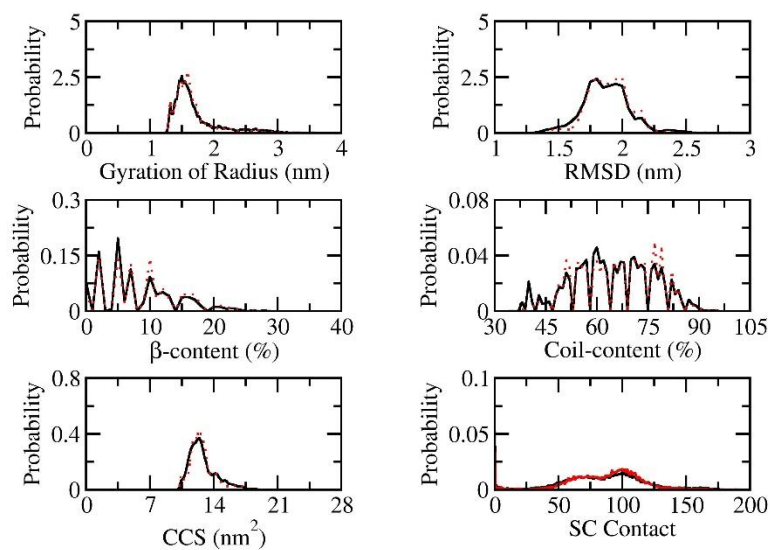
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REMD simulations were carried out with various temperatures that are arranged as 308.50, 310.12, 311.75, 313.38, 315.02, 316.66, 318.31, 319.97, 321.64, 323.30, 324.98, 326.66, 328.36, 330.06, 331.76, 333.47, 335.21, 336.93, 338.67, 340.41, 342.15, 343.91, 345.67, 347.44, 349.21, 351.00, 352.79, 354.57, 356.38, 358.19, 360.01, 361.83, 363.67, 365.51, 367.36, 369.21, 371.08, 372.95, 374.83, 376.71, 378.60, 380.50, 382.41, and 384.33.



**Figure S1.** The superposition of computed metrics of the dimeric  $A\beta_{42} + Ag_{55}$  over the different intervals 260-500 and 380-500 ns of REMD simulations.



**Figure S2.** The superposition of computed metrics of the dimeric  $A\beta_{42}$  over the different intervals 260-500 and 380-500 ns of REMD simulations.