

Supplementary Material

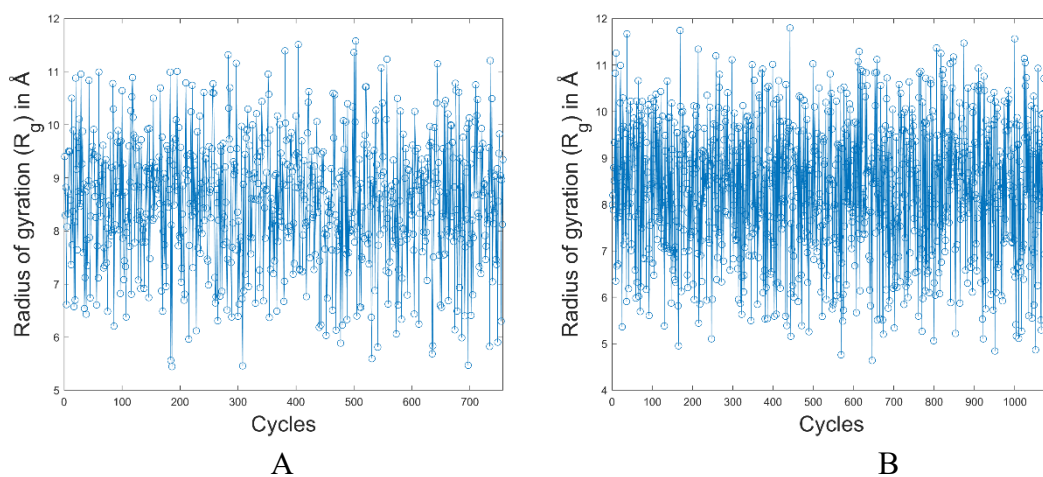


Figure S1 The Radius of gyration of Met-Enkephalin using AMBER-99SB (A) and AMBER-FB15 (B) Forcefield.

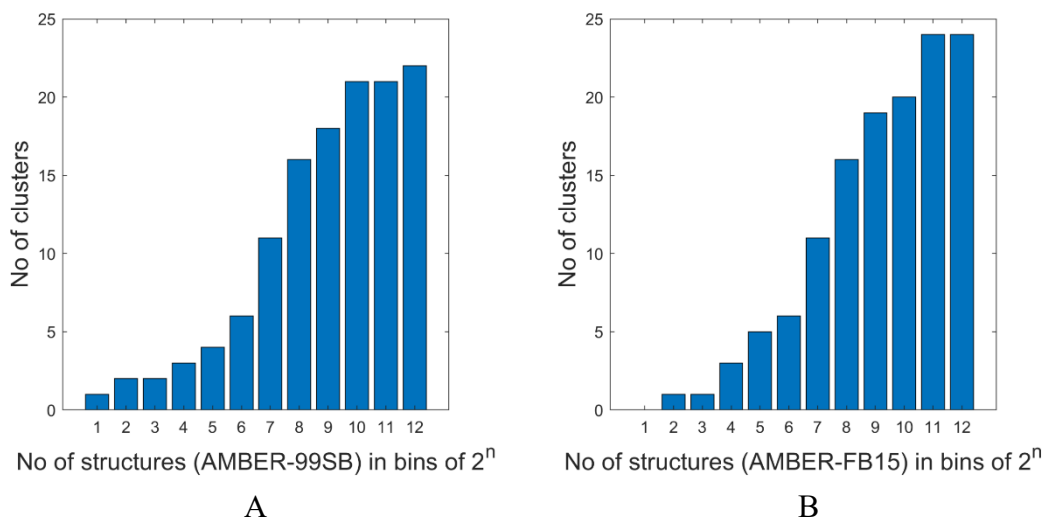


Figure S2 shows the number of unique clusters per bin of 2^n , where n stands for number of bins equivalent to number of bits used.

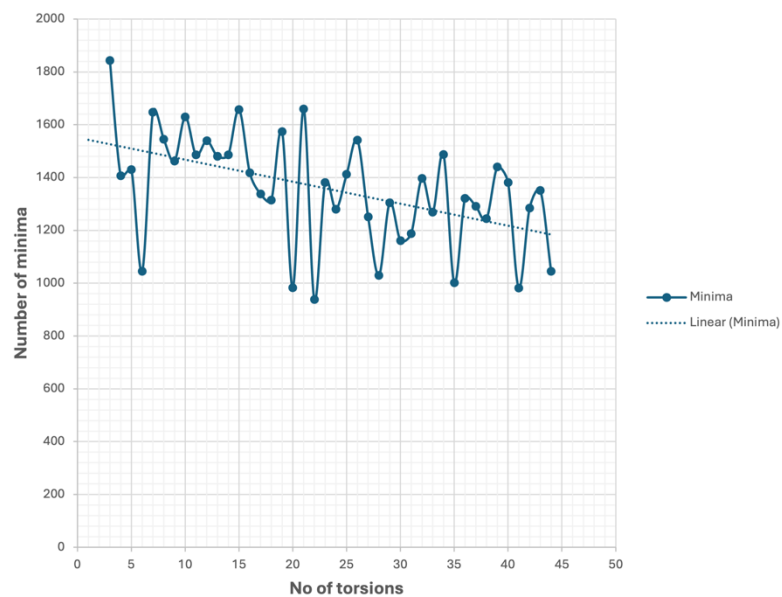


Figure S3 shows the variation in the number of minima found using DNCS method as a function of Number of torsions.

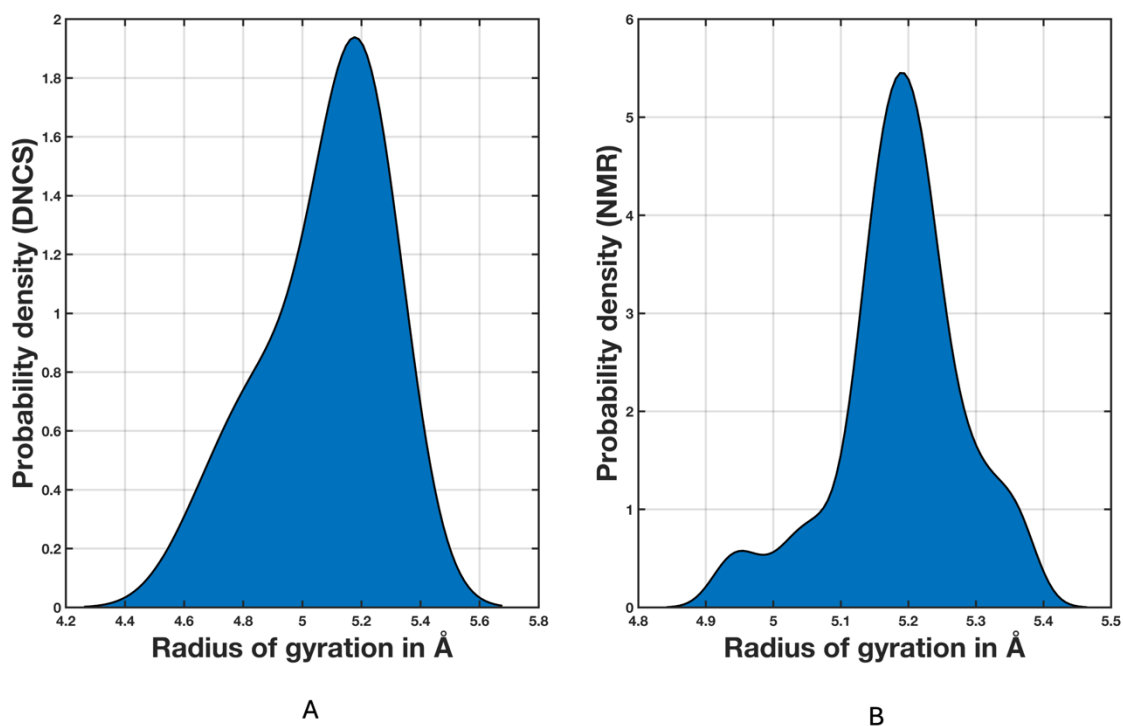


Figure S4 shows the comparison of the distribution of radius of gyration between DNCS method (A) and NMR structures (B).