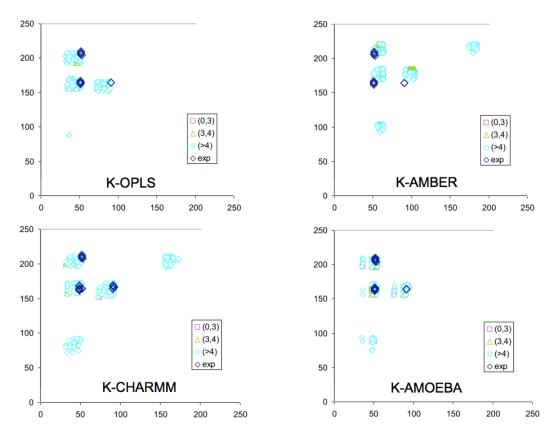
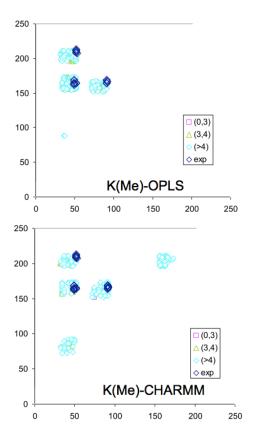
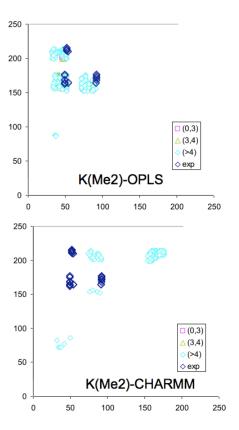
Supplemental Figure 1. Comparison of Experimental (dark blue) NOEs with predicted NOEs from 100 nsec MD simulations in explicit solvent.



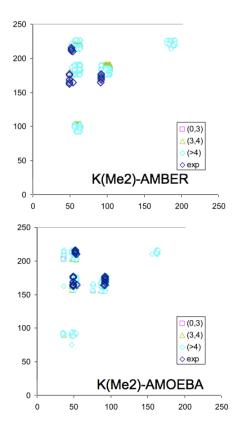
Suppl. Fig. 1a = data for Lys-9 hairpin model.

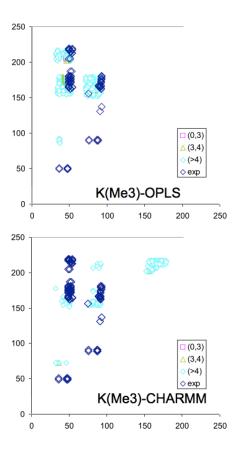


Supplemental Figure 1b. Data for Lys(Me)-9 hairpin model.



## Supplemental Figure 1c. Data for Lys(Me2)-9 hairpin model.





## 8 S (0,3) (3,4) (>4) $\diamond \diamond$ 🔷 exp K(Me3)-AMBER 0,3) (3,4) (>4) ♦ exp K(Me3)-AMOEBA

## Supplemental Figure 1d. Data for Lys(Me3)-9 hairpin model.