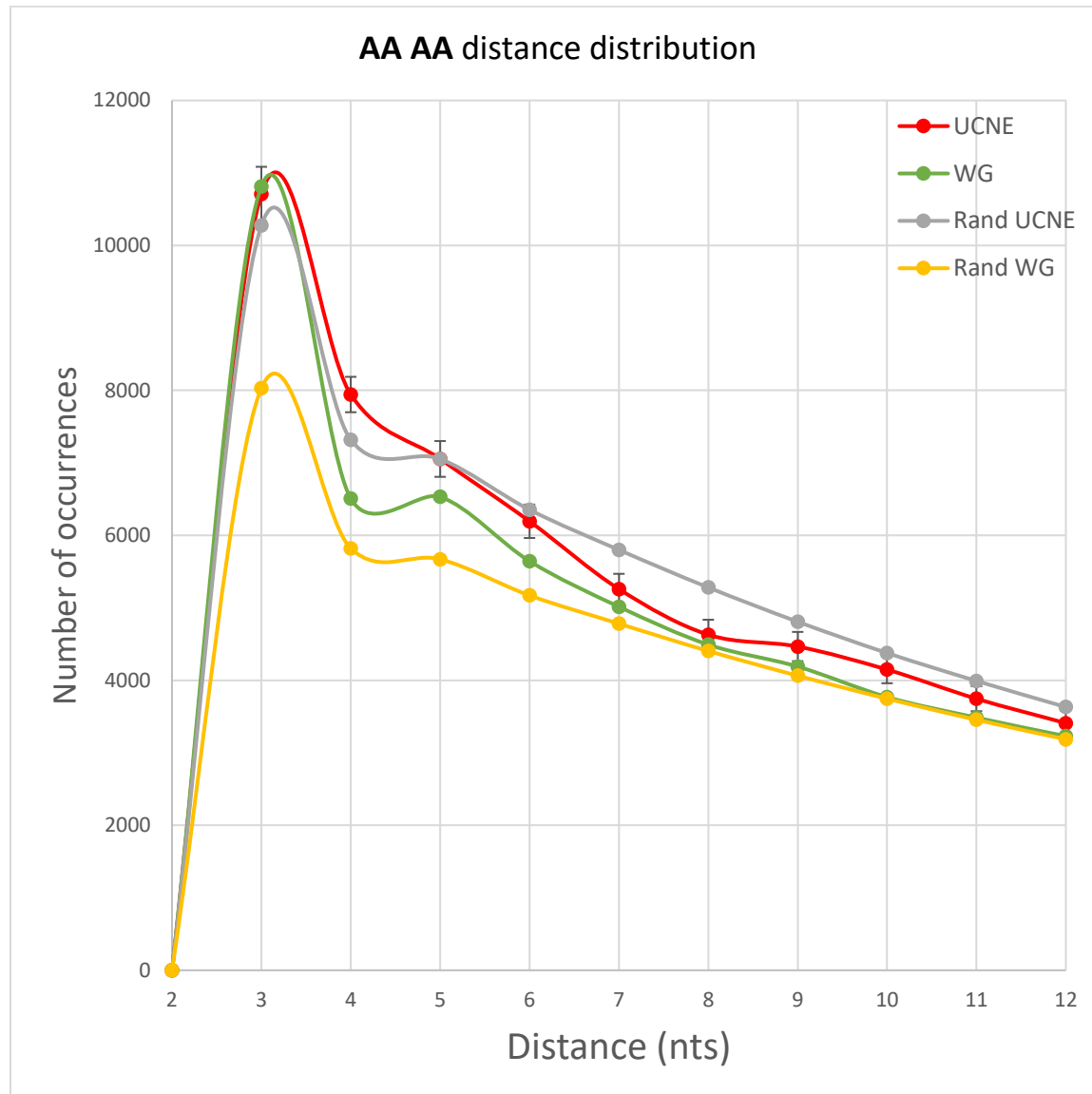
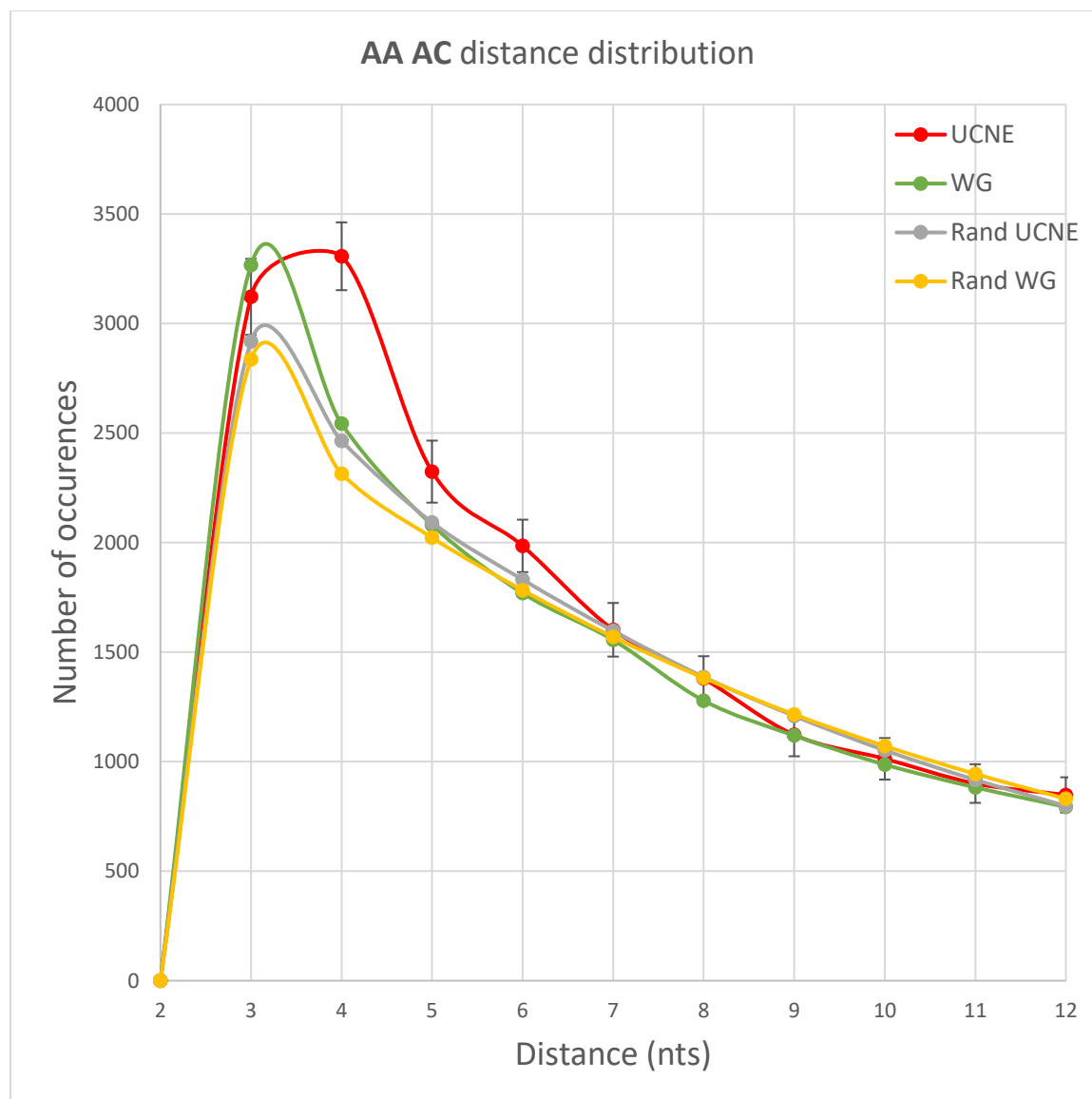
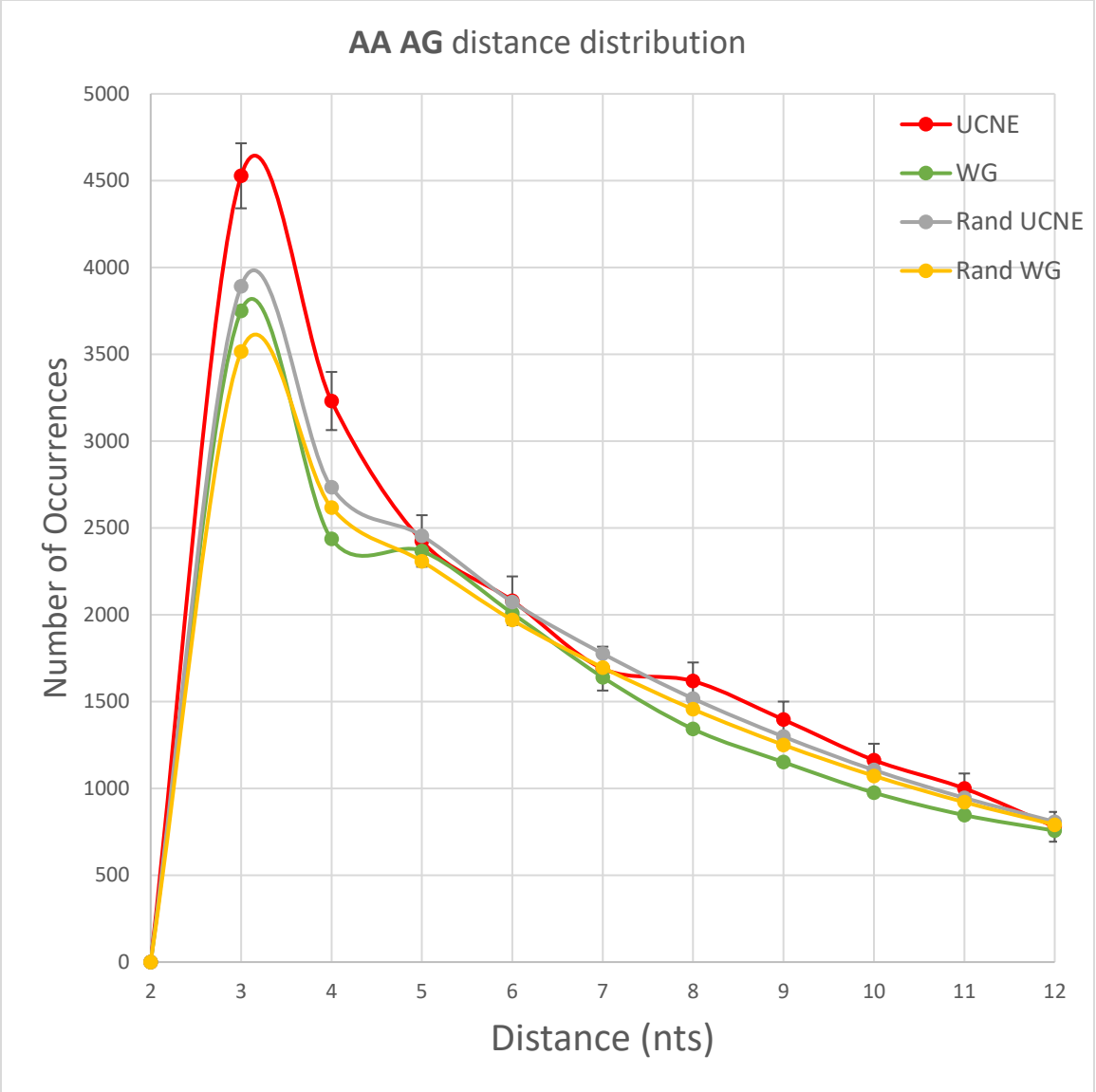


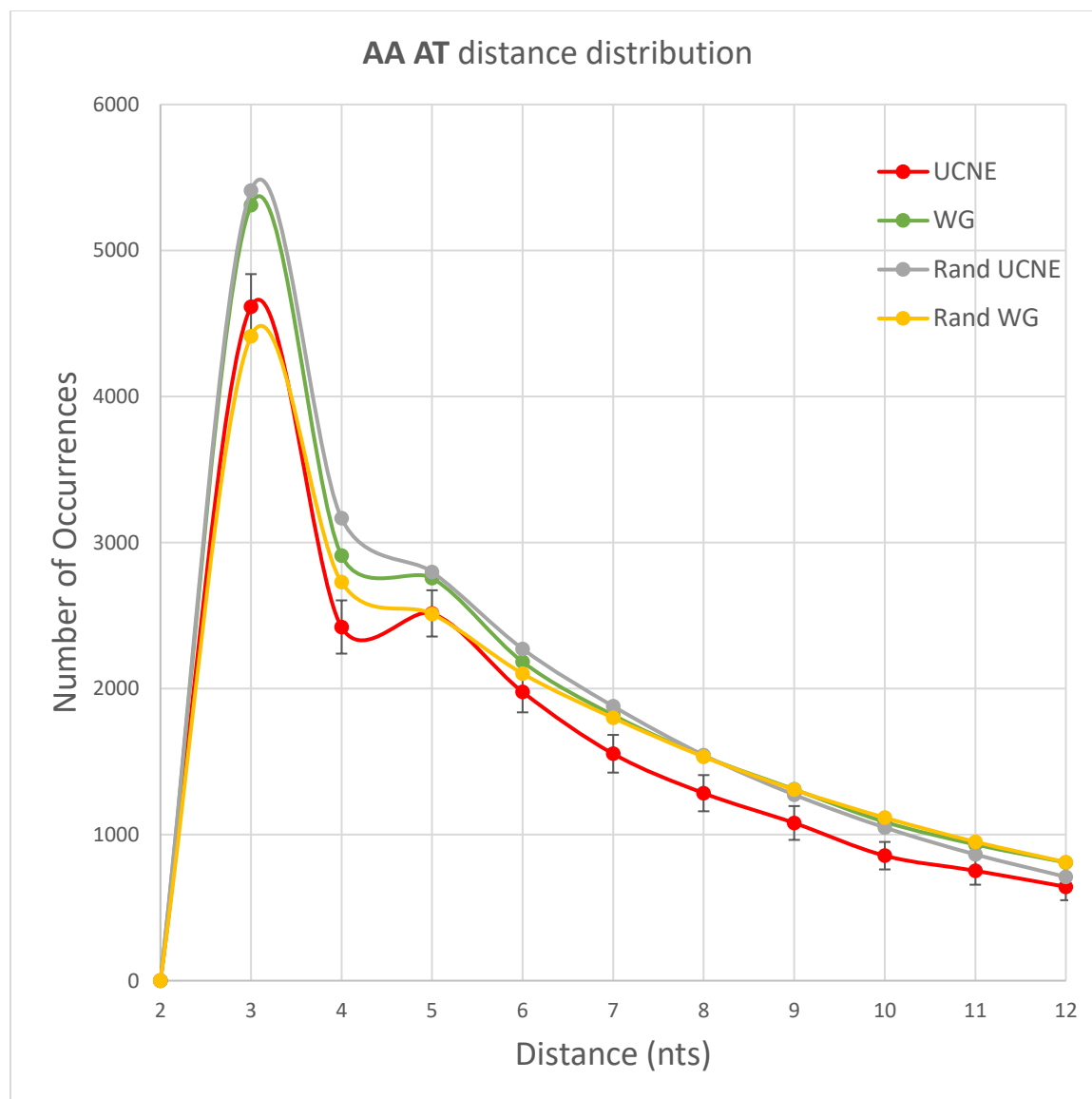
## Supplementary File S2

**Supplementary Figure S2:** Distance distribution for all 256 dinucleotides for UCNE (red), WG (Green), Rand UCNE (Gray), and Rand WG (Yellow).

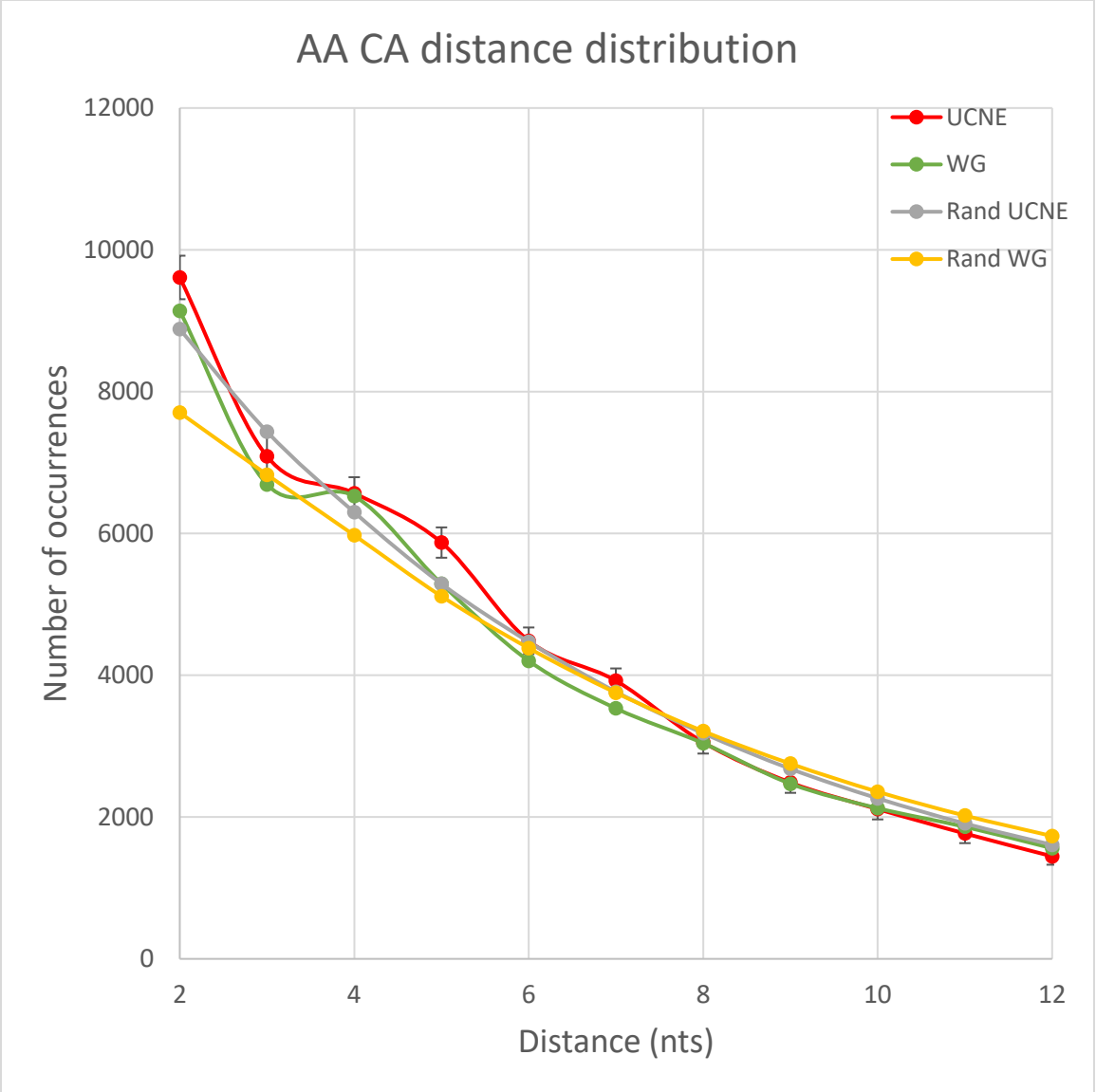


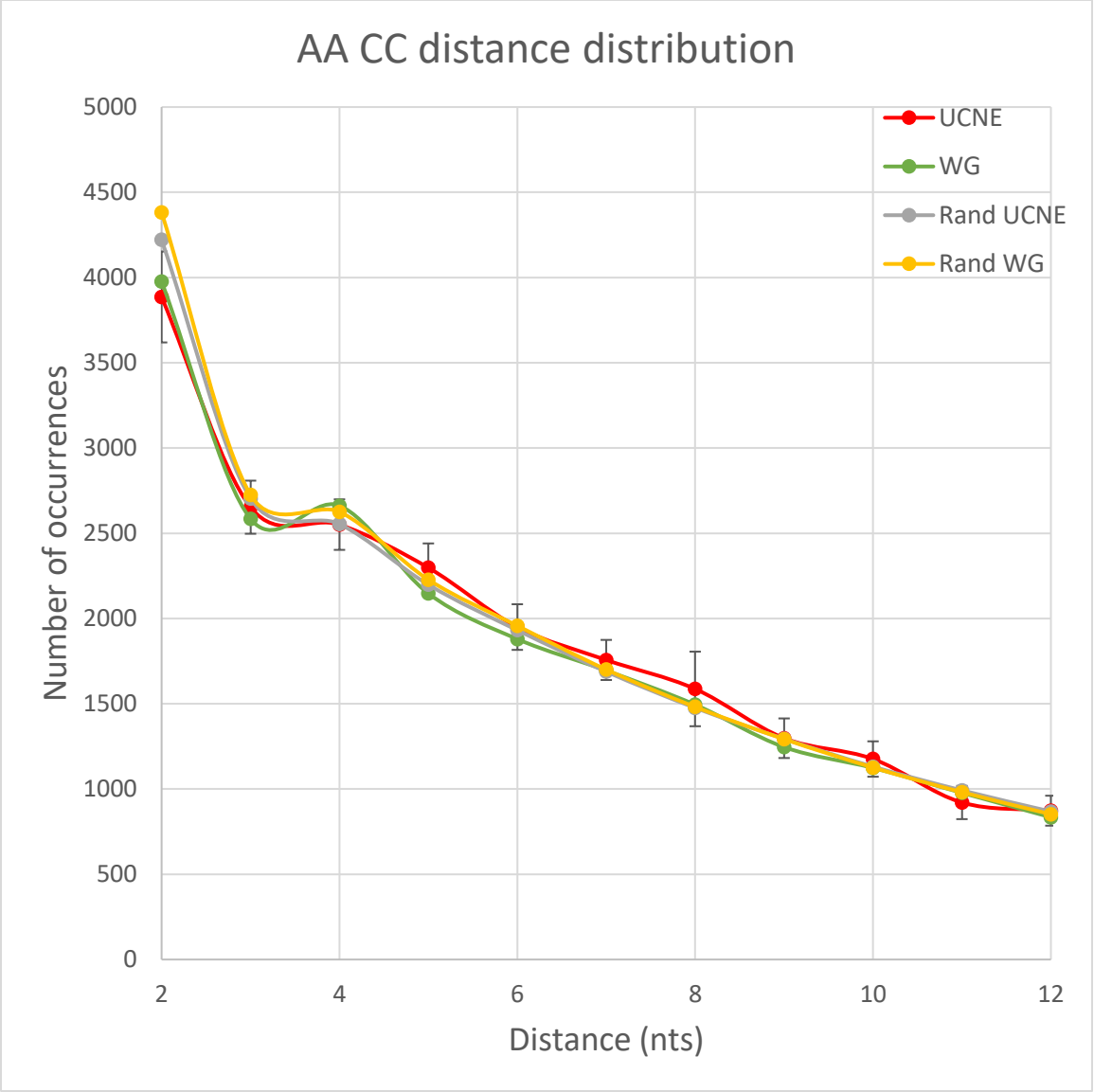


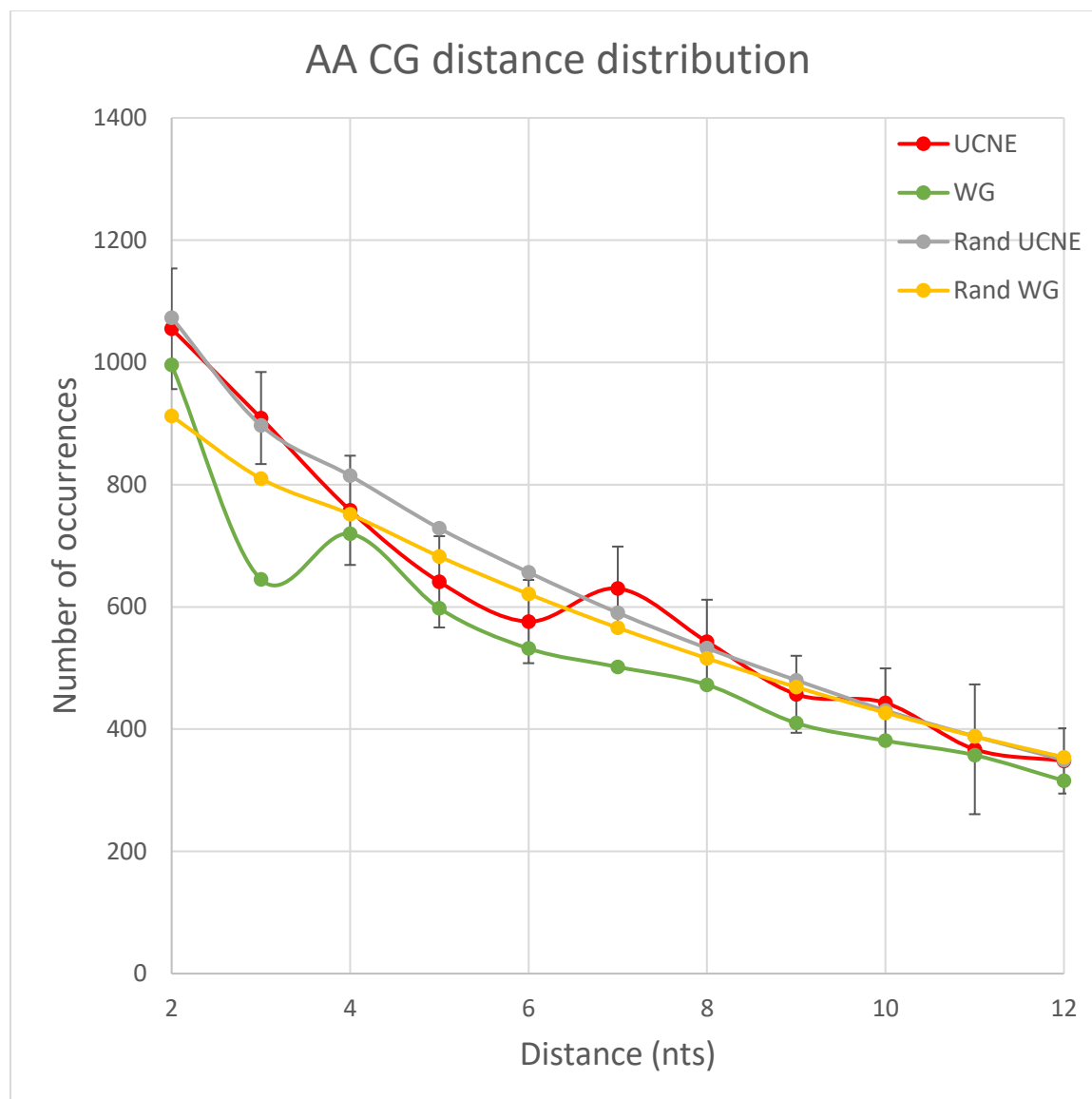


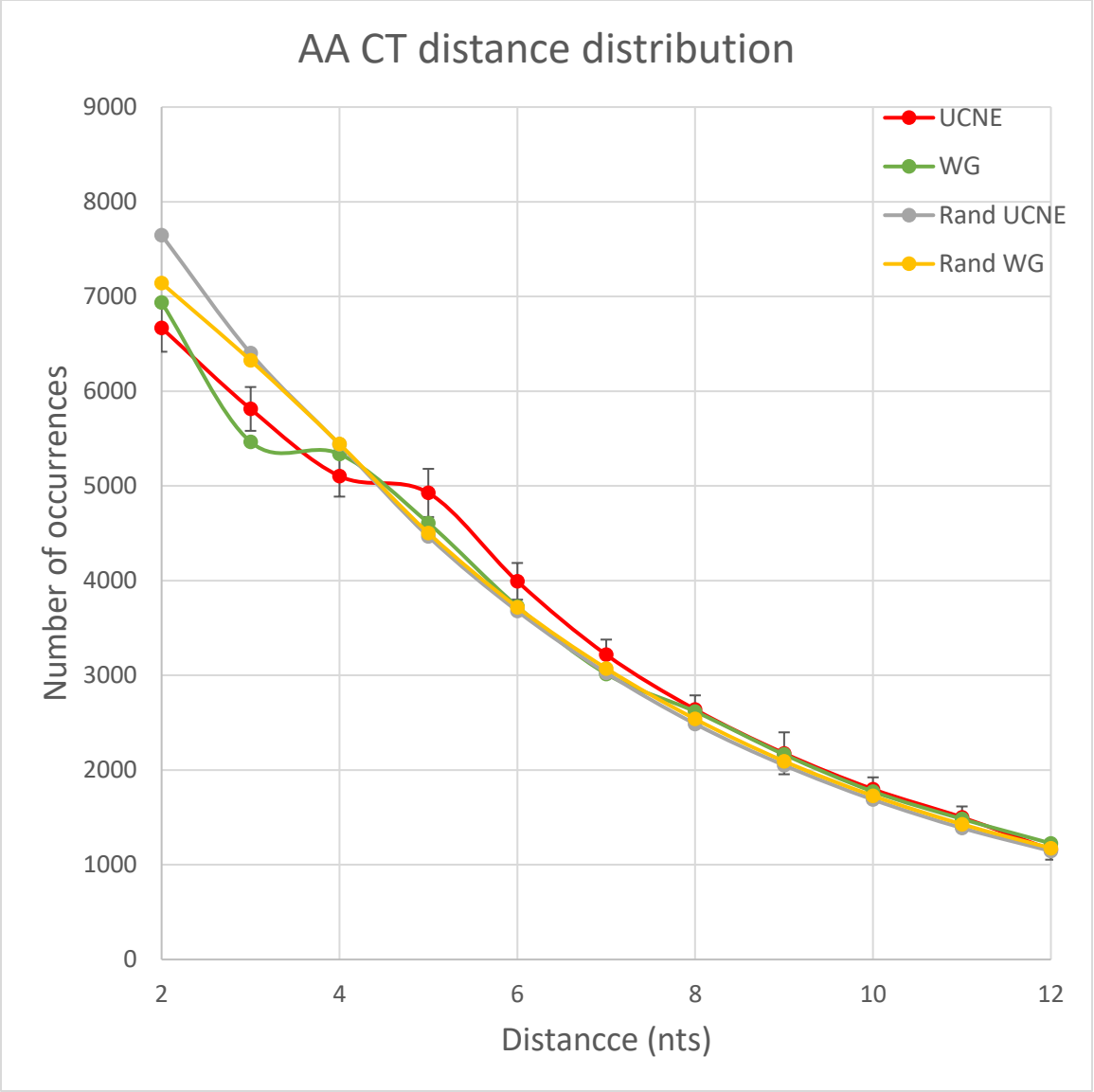


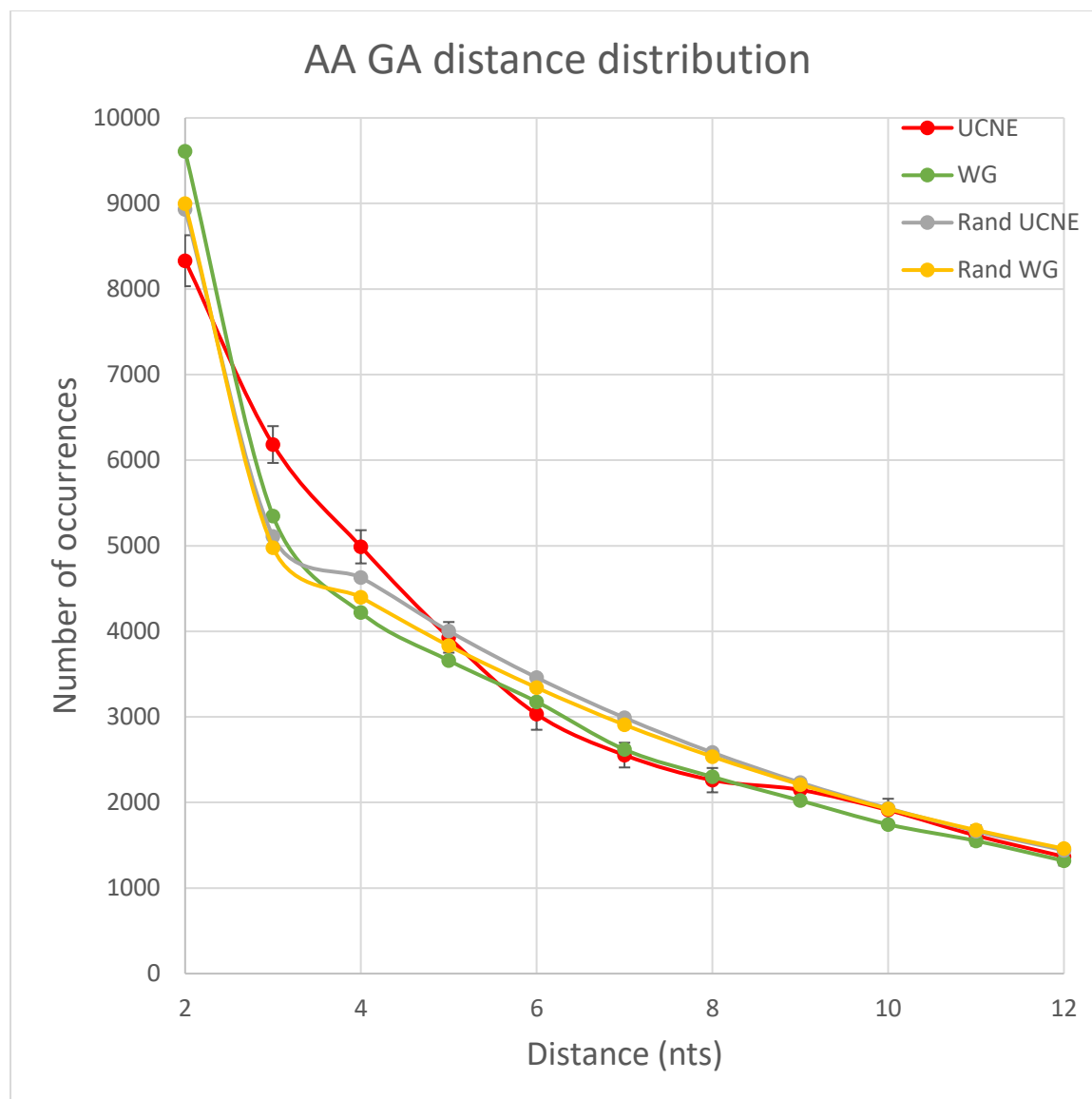


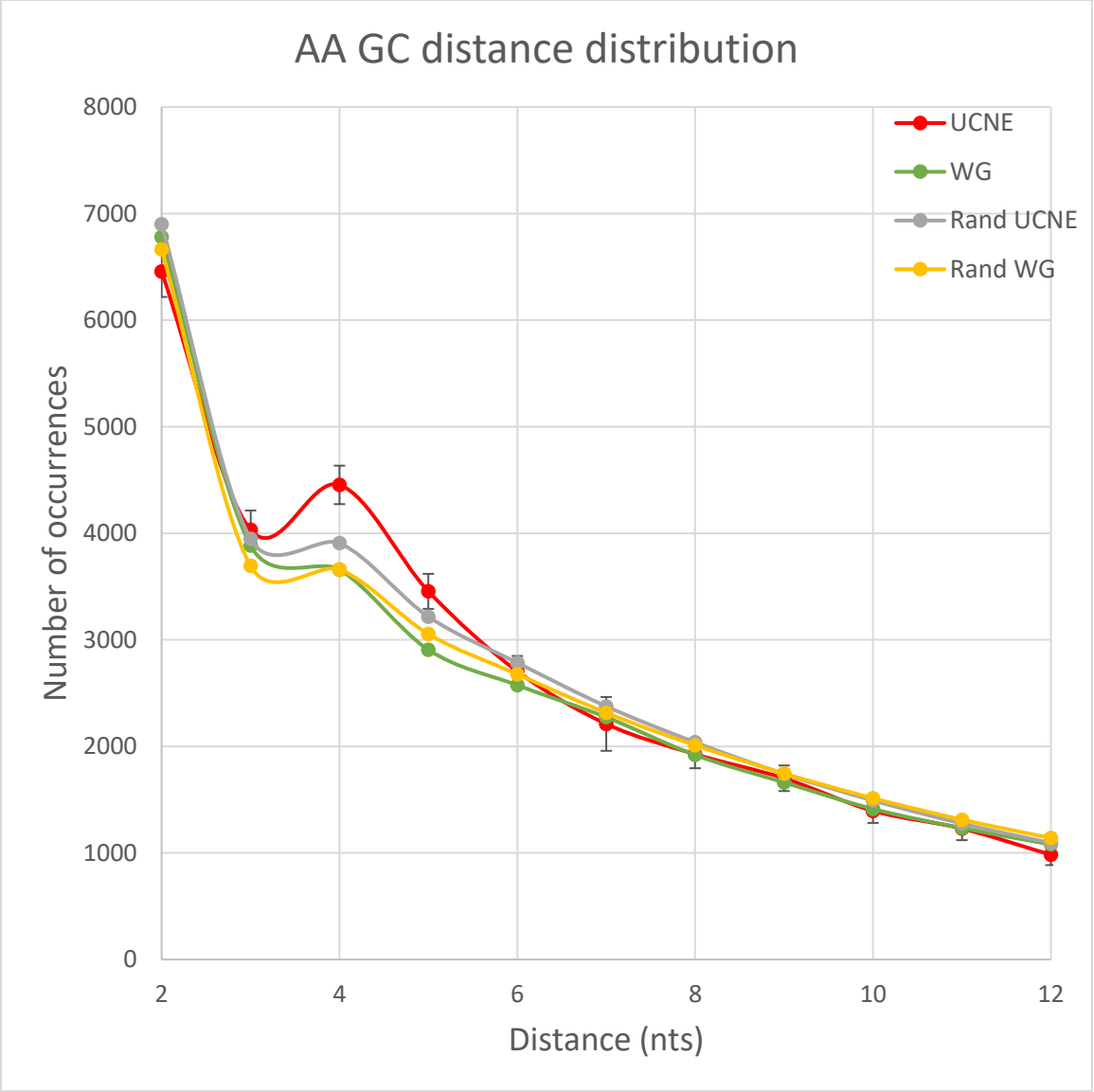


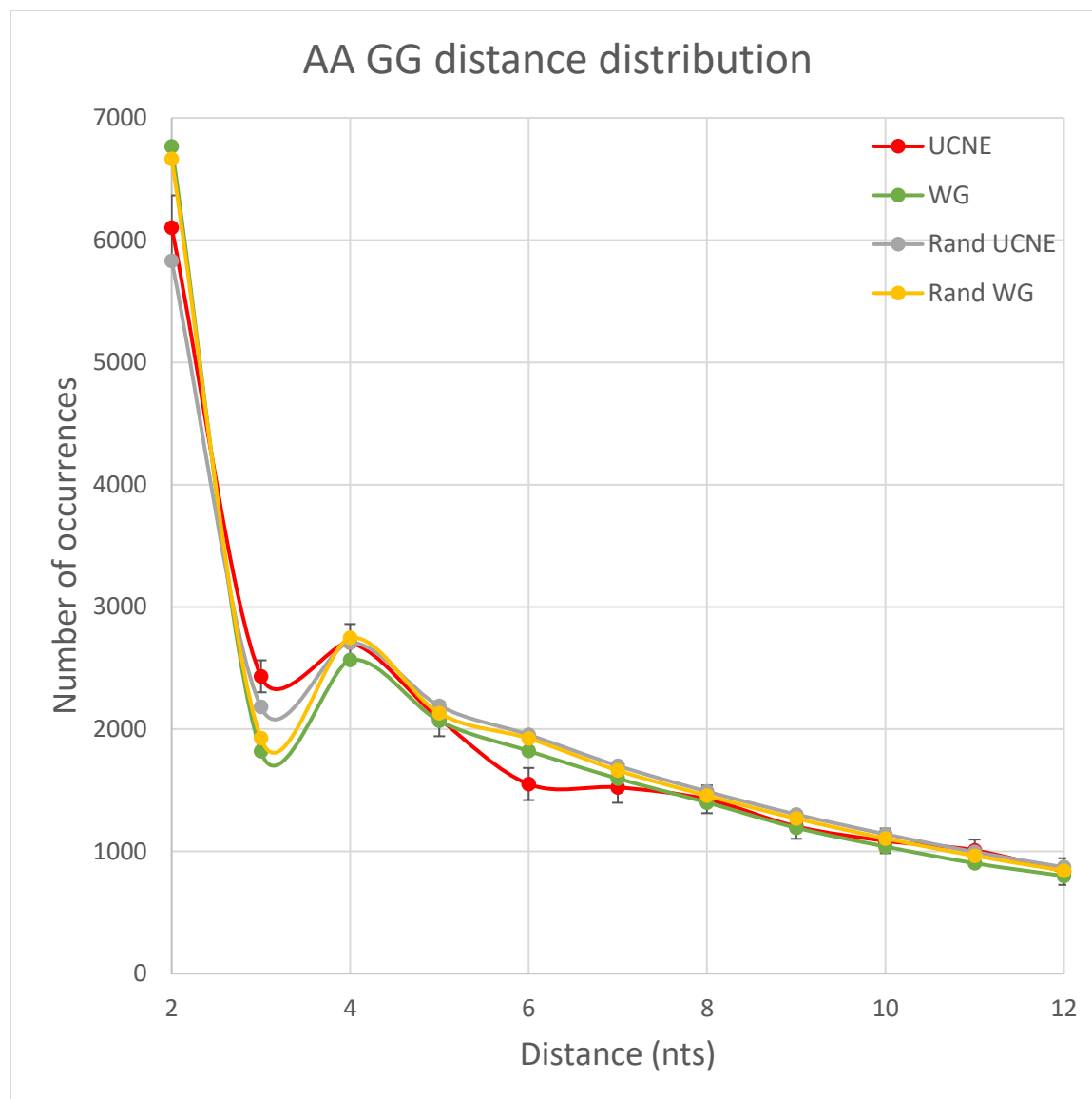


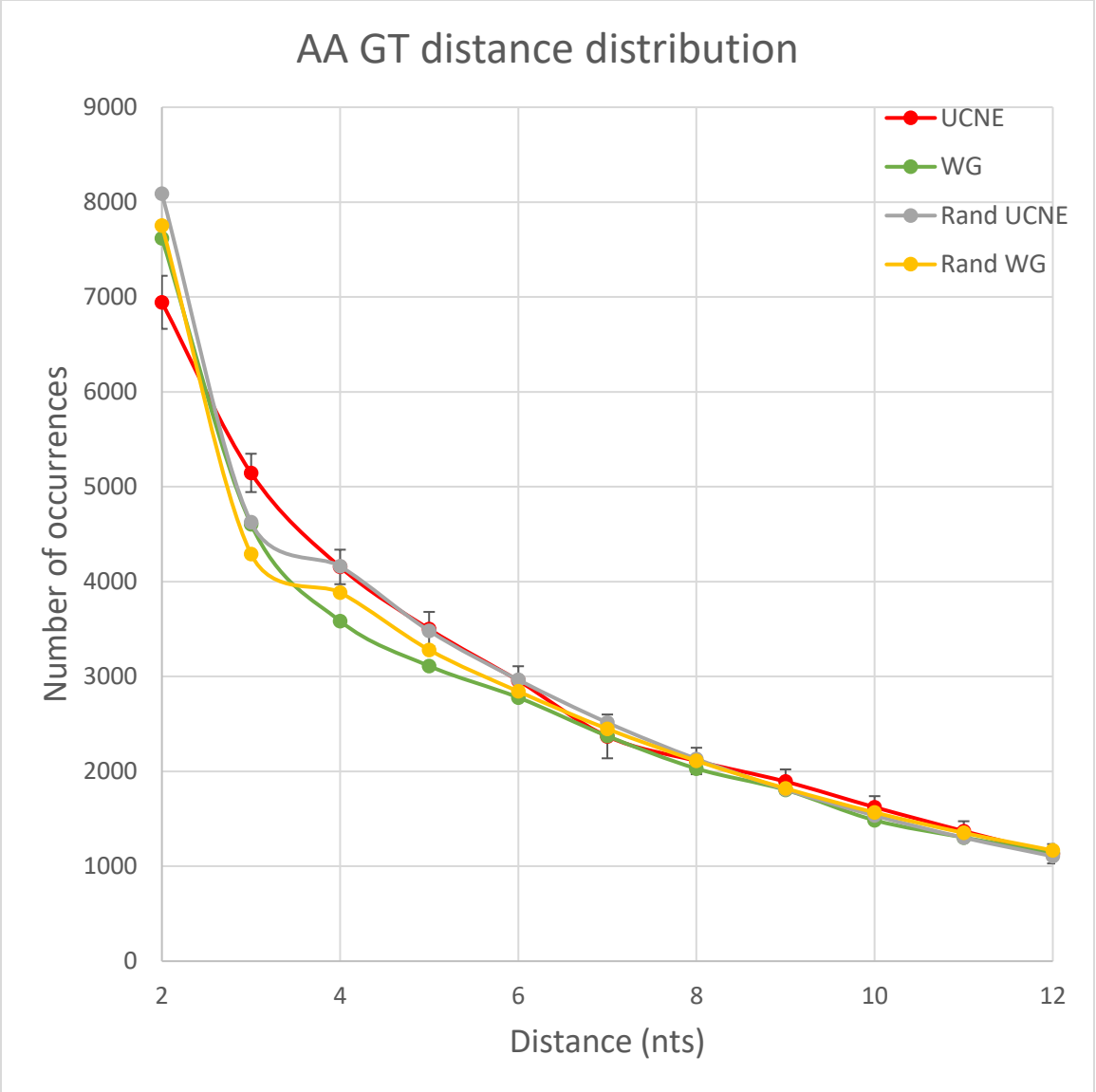




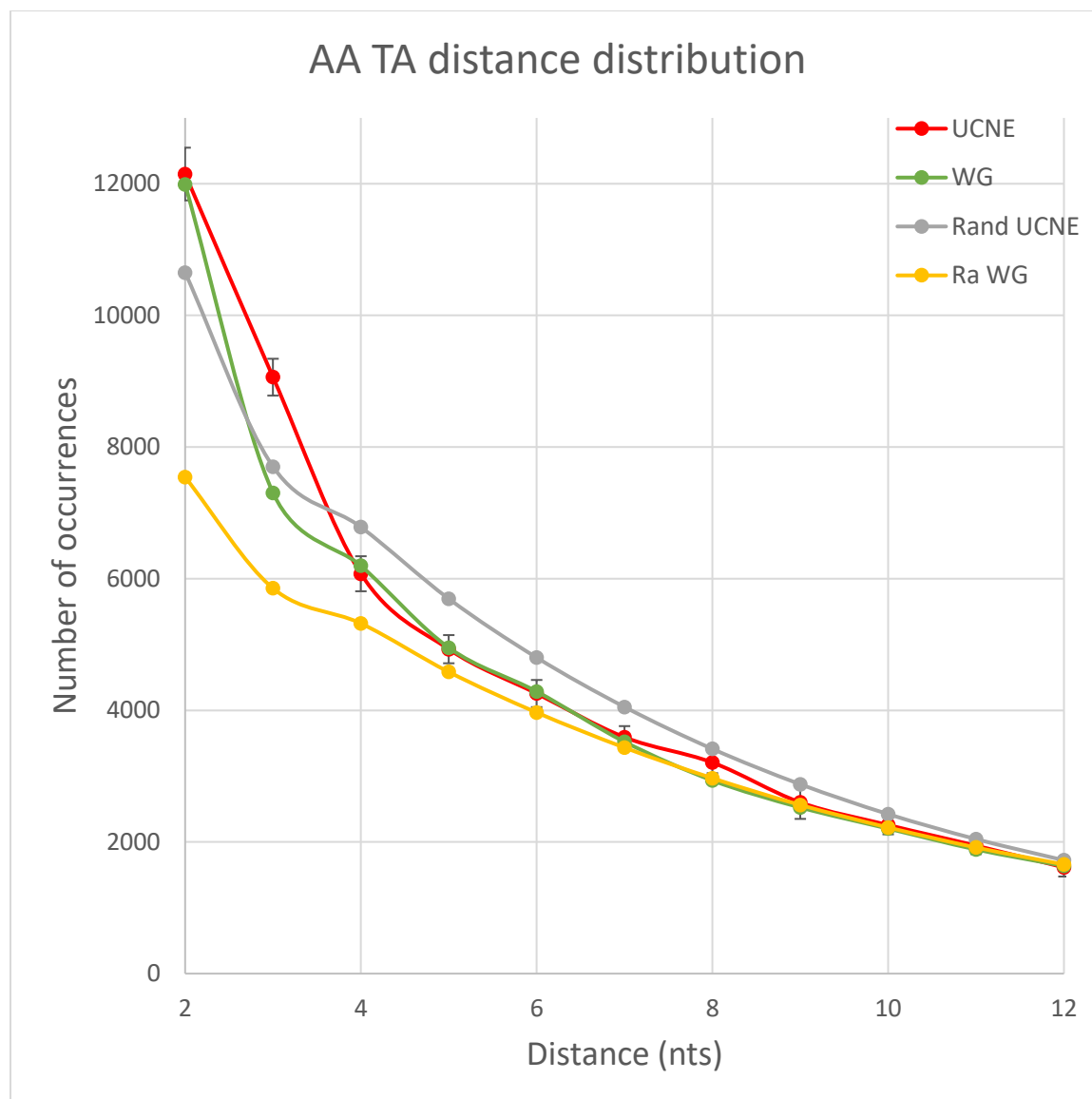


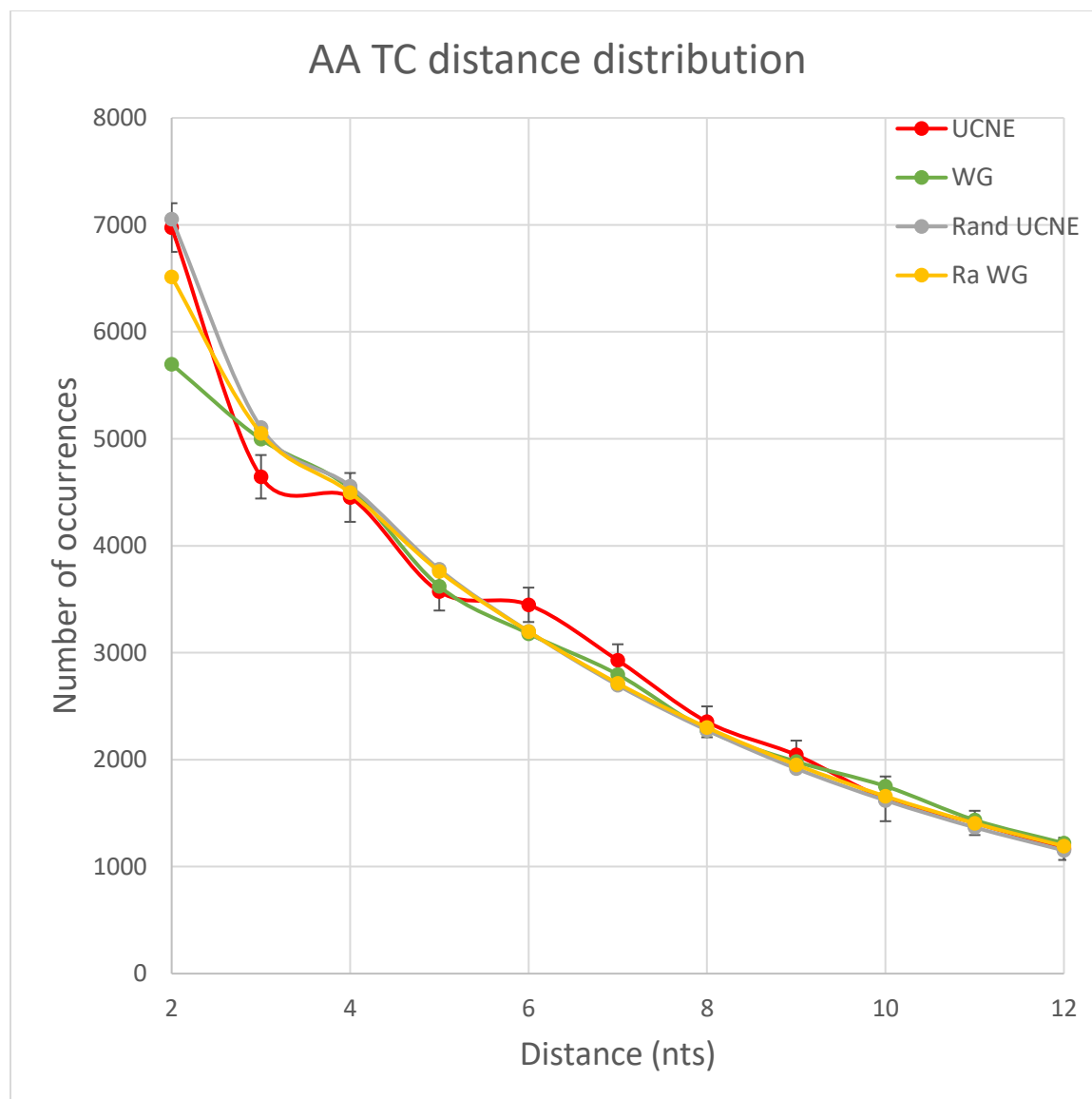


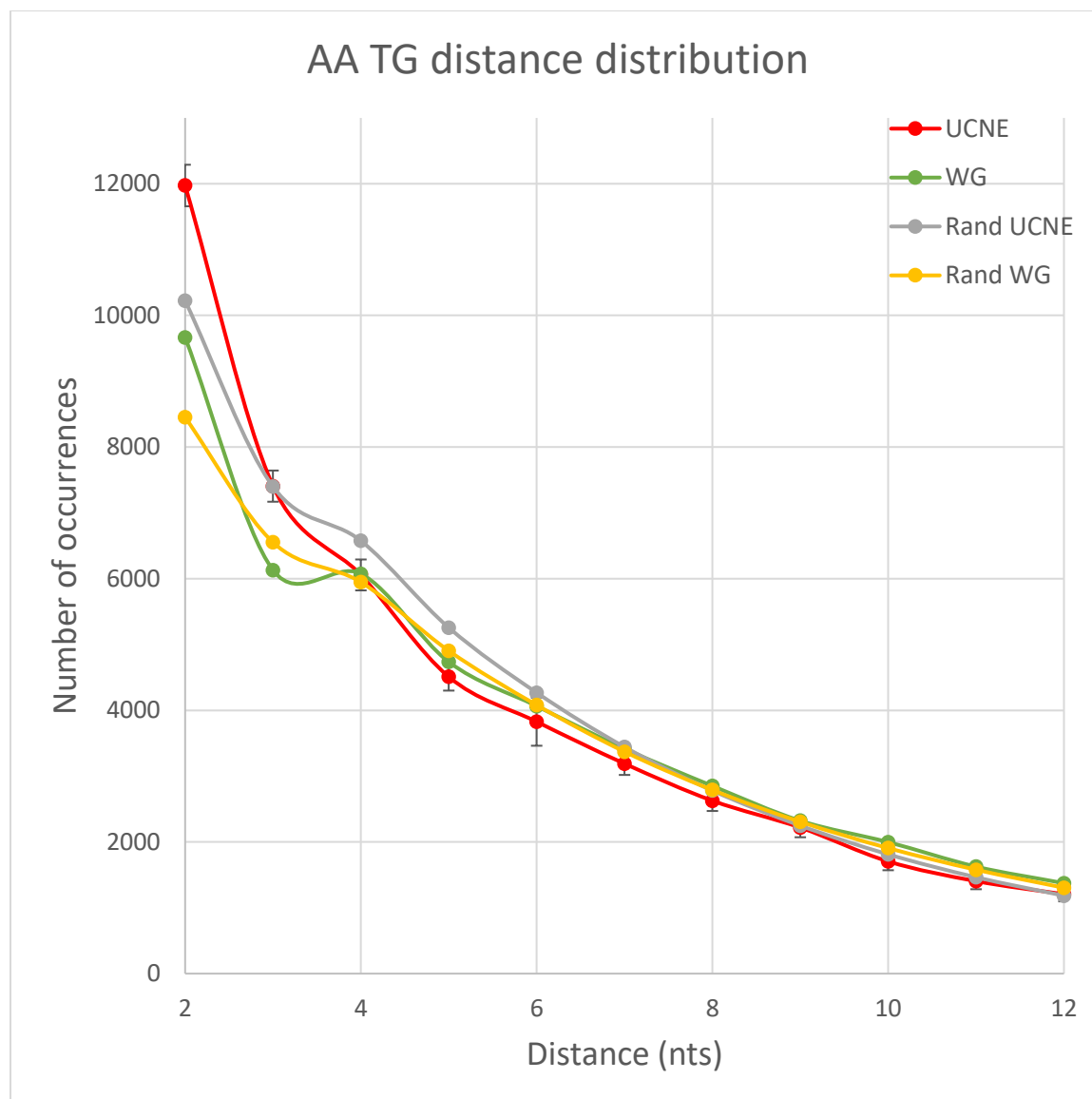


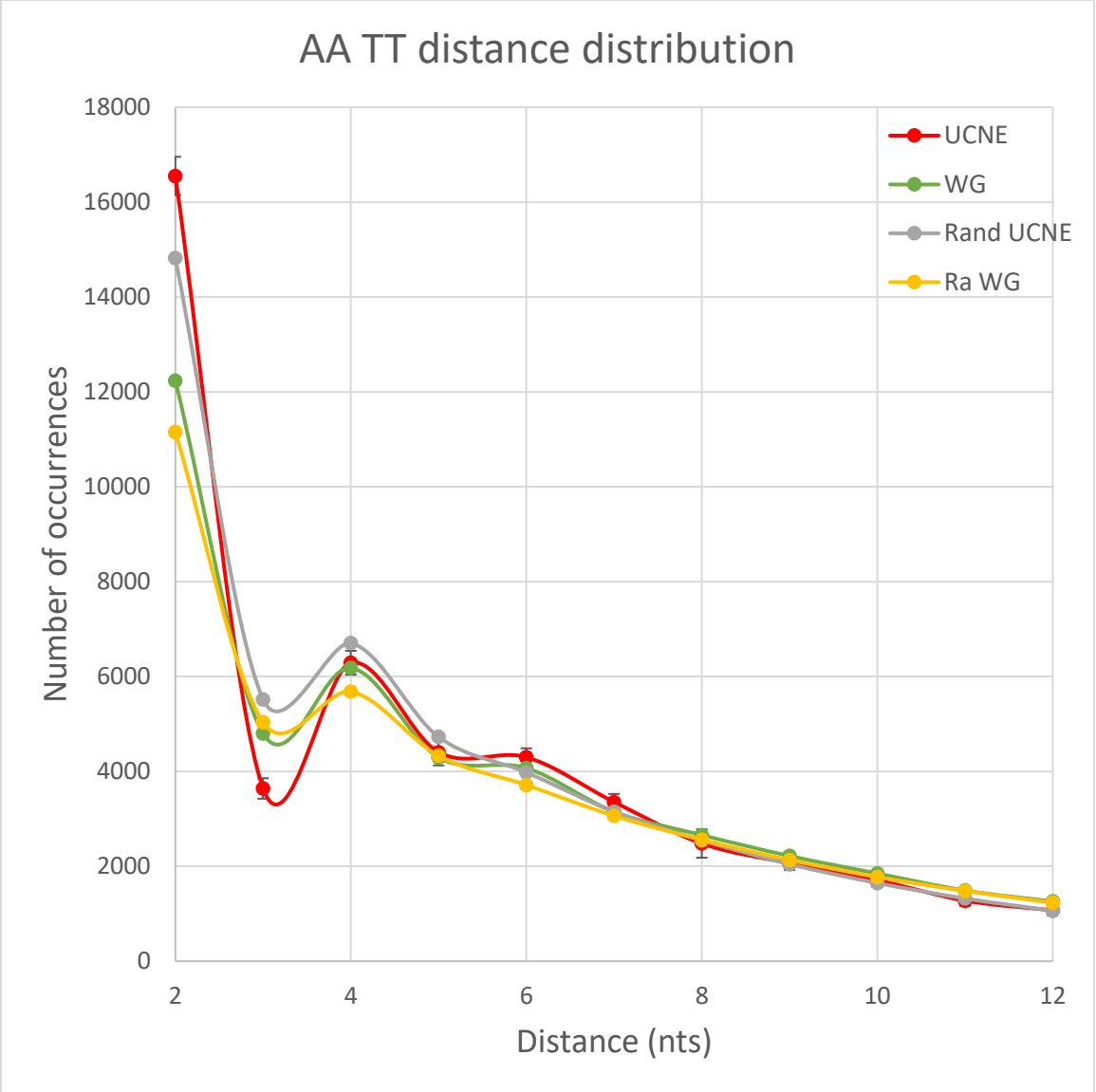




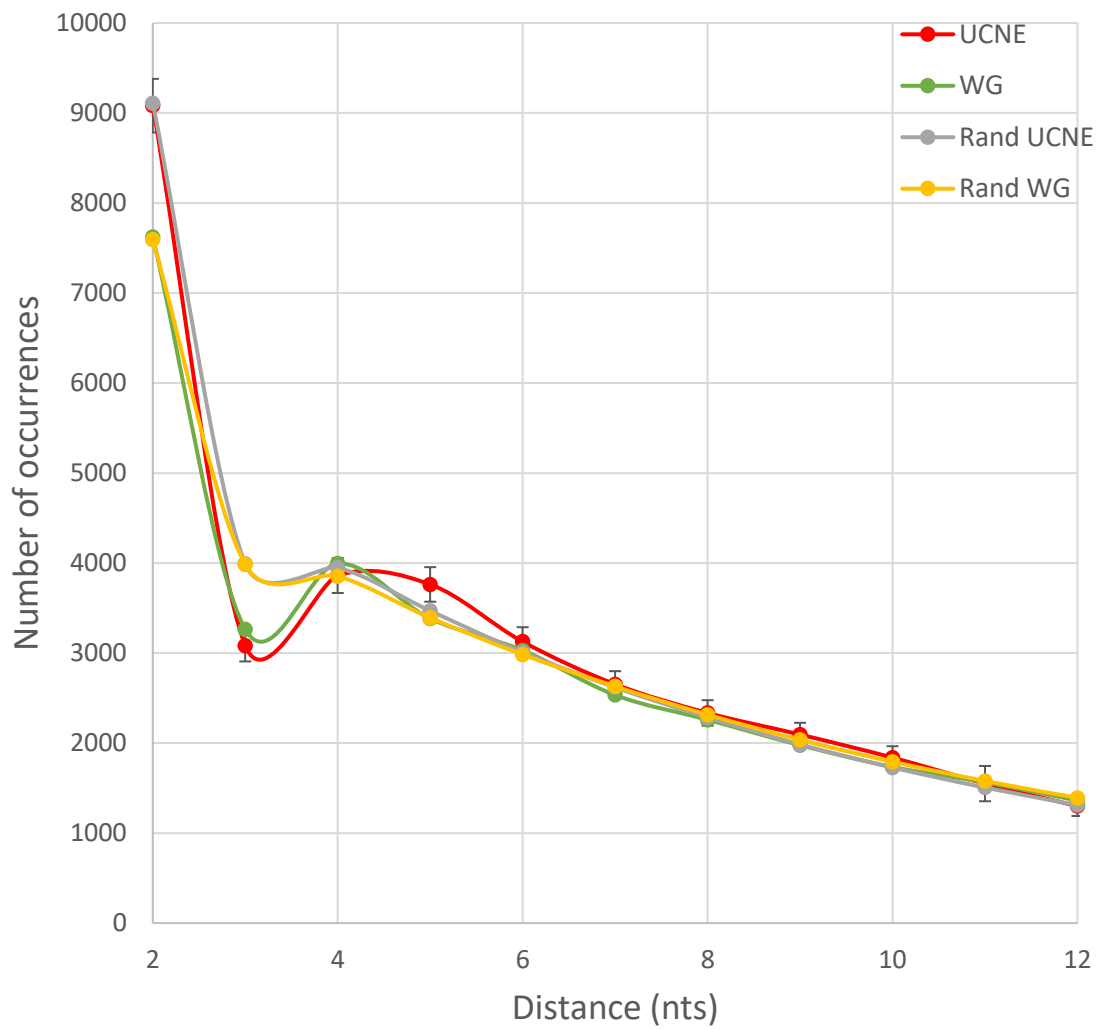


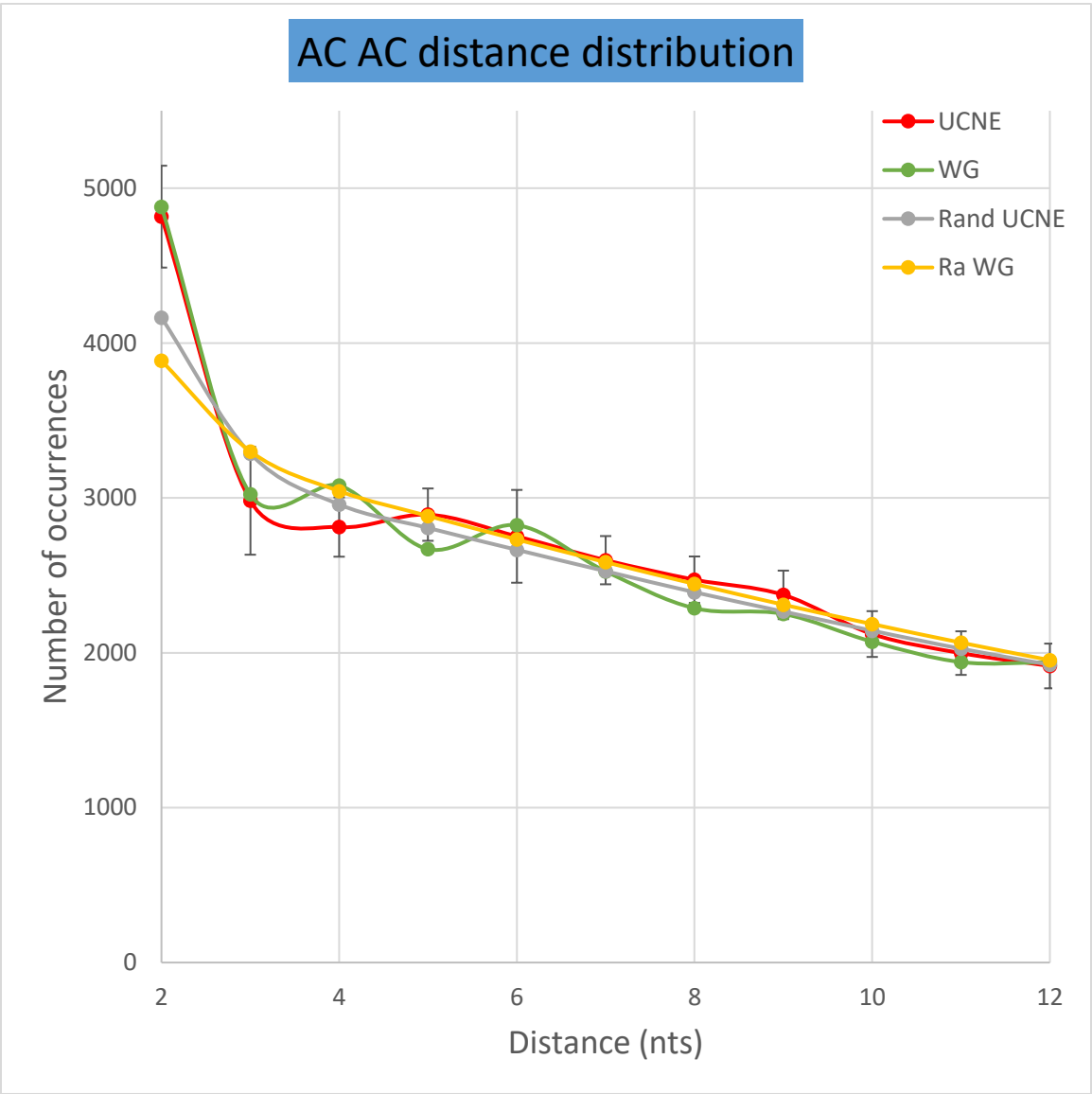




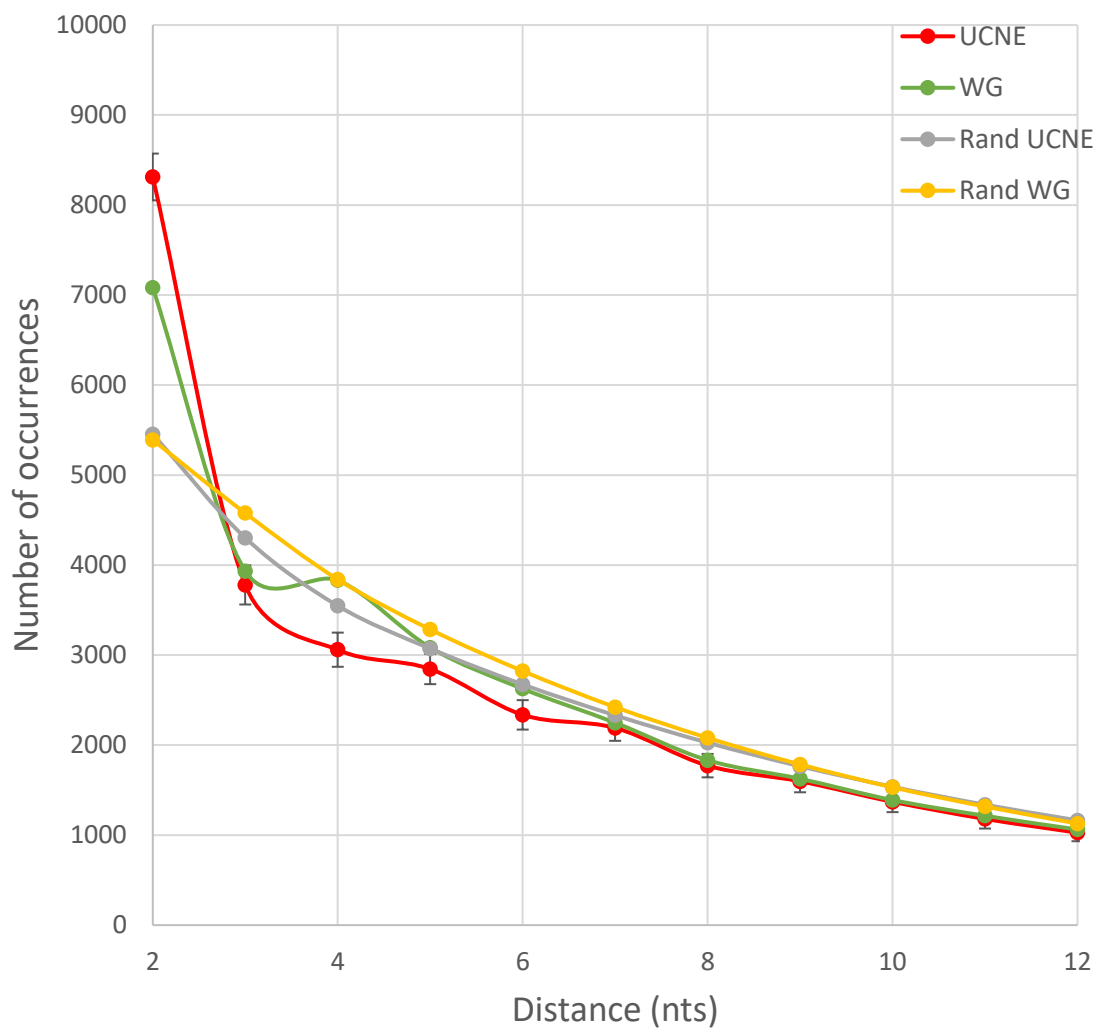


## AC AA distance distribution

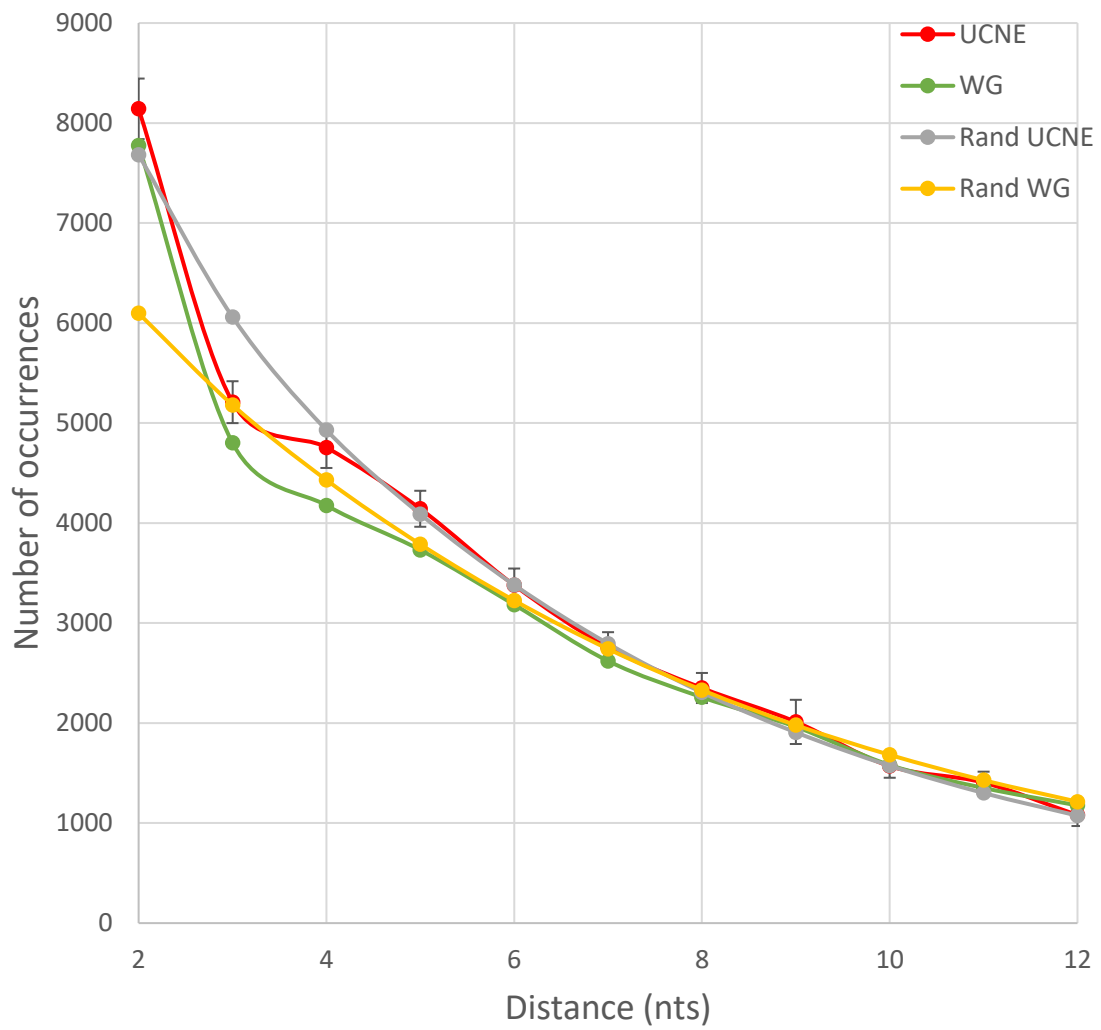




## AC AG distance distribution

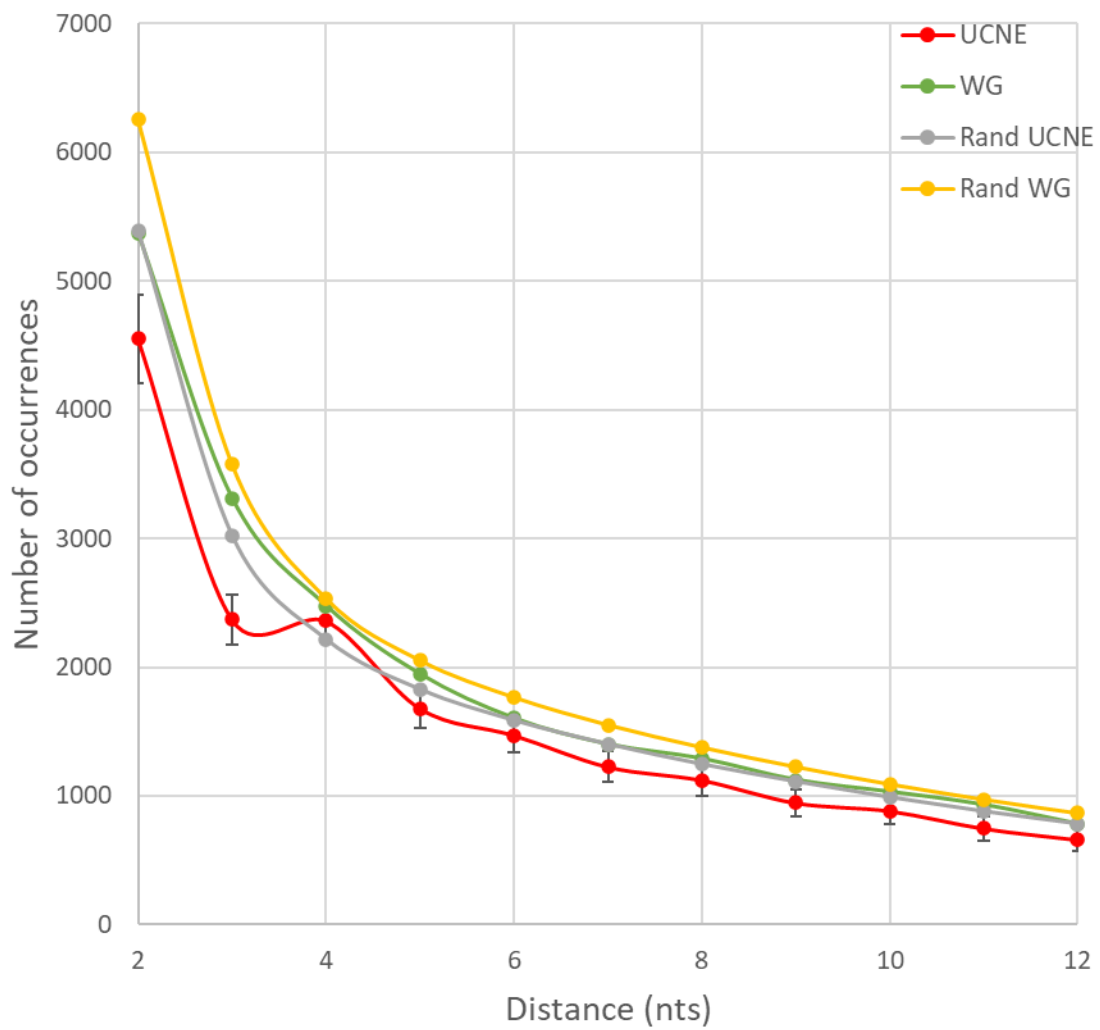


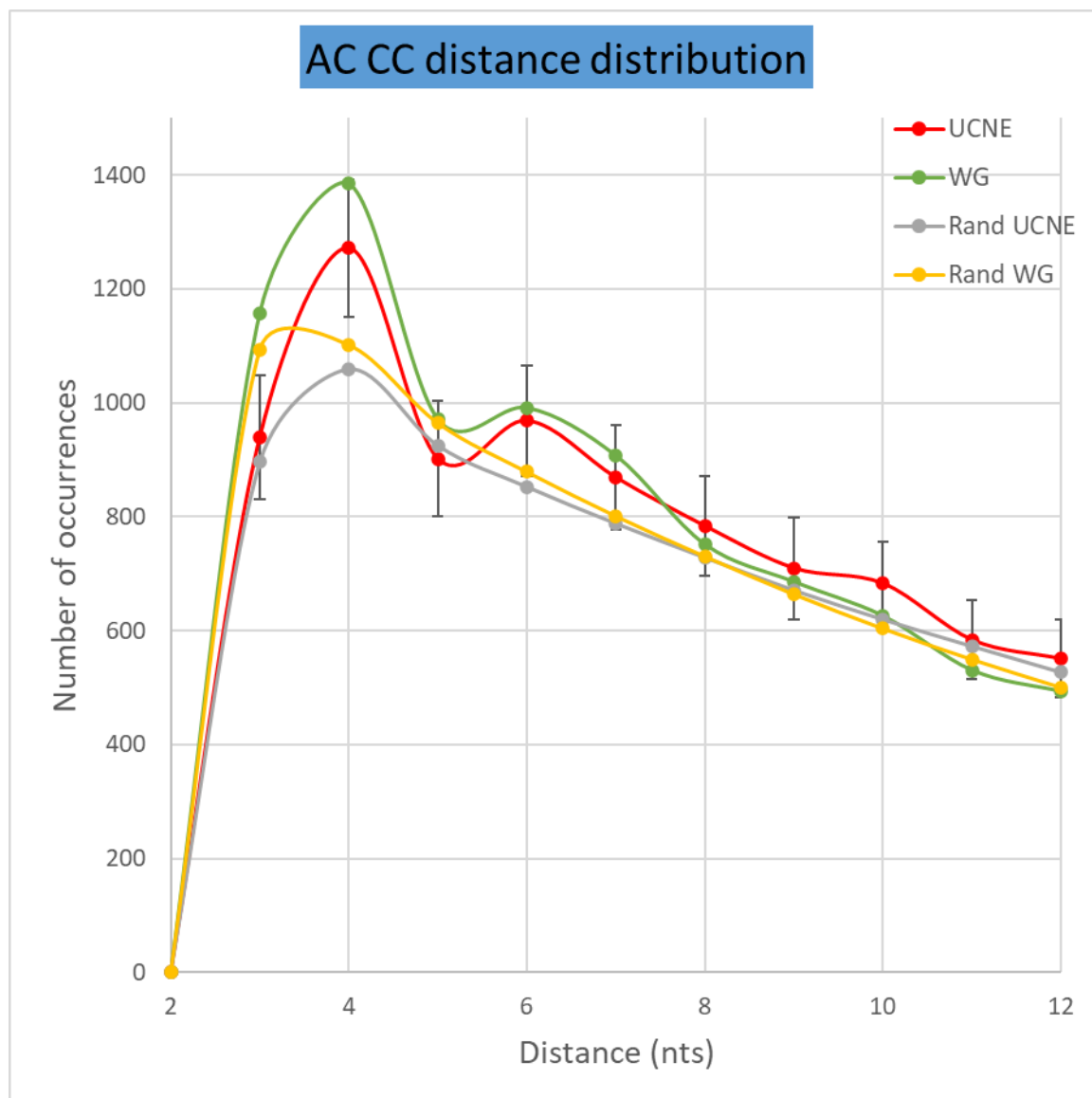
## AC AT distance distribution

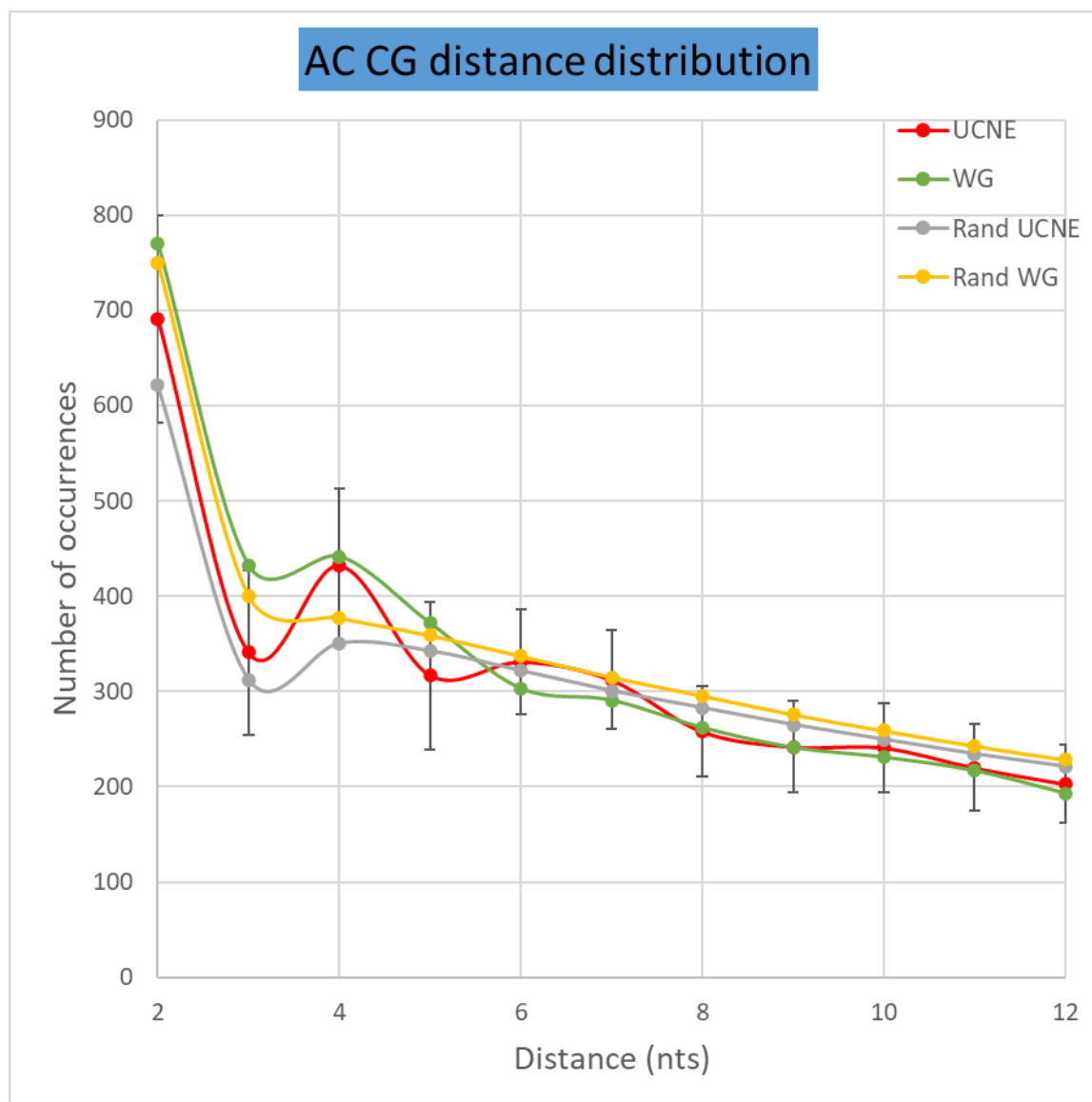


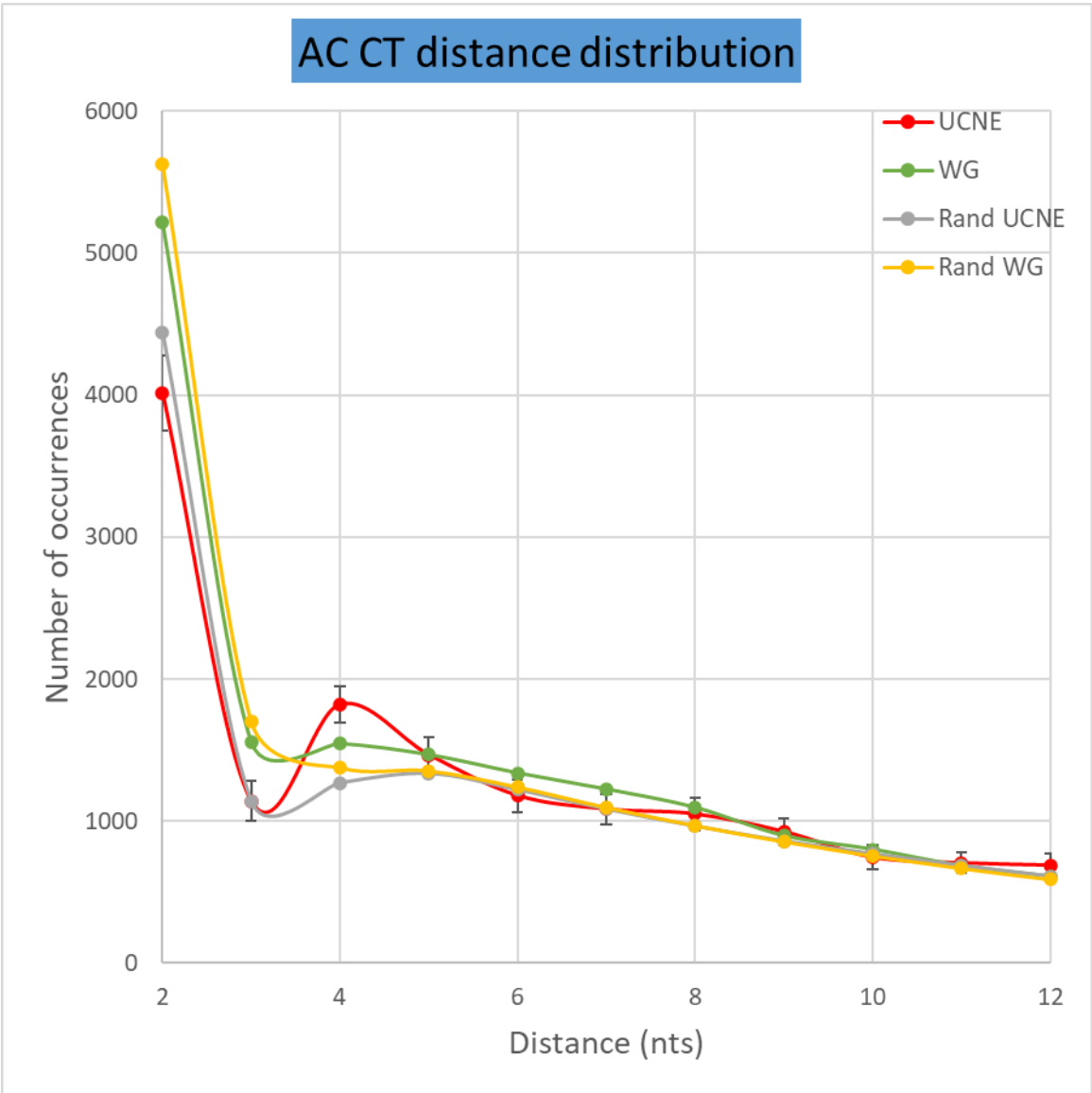


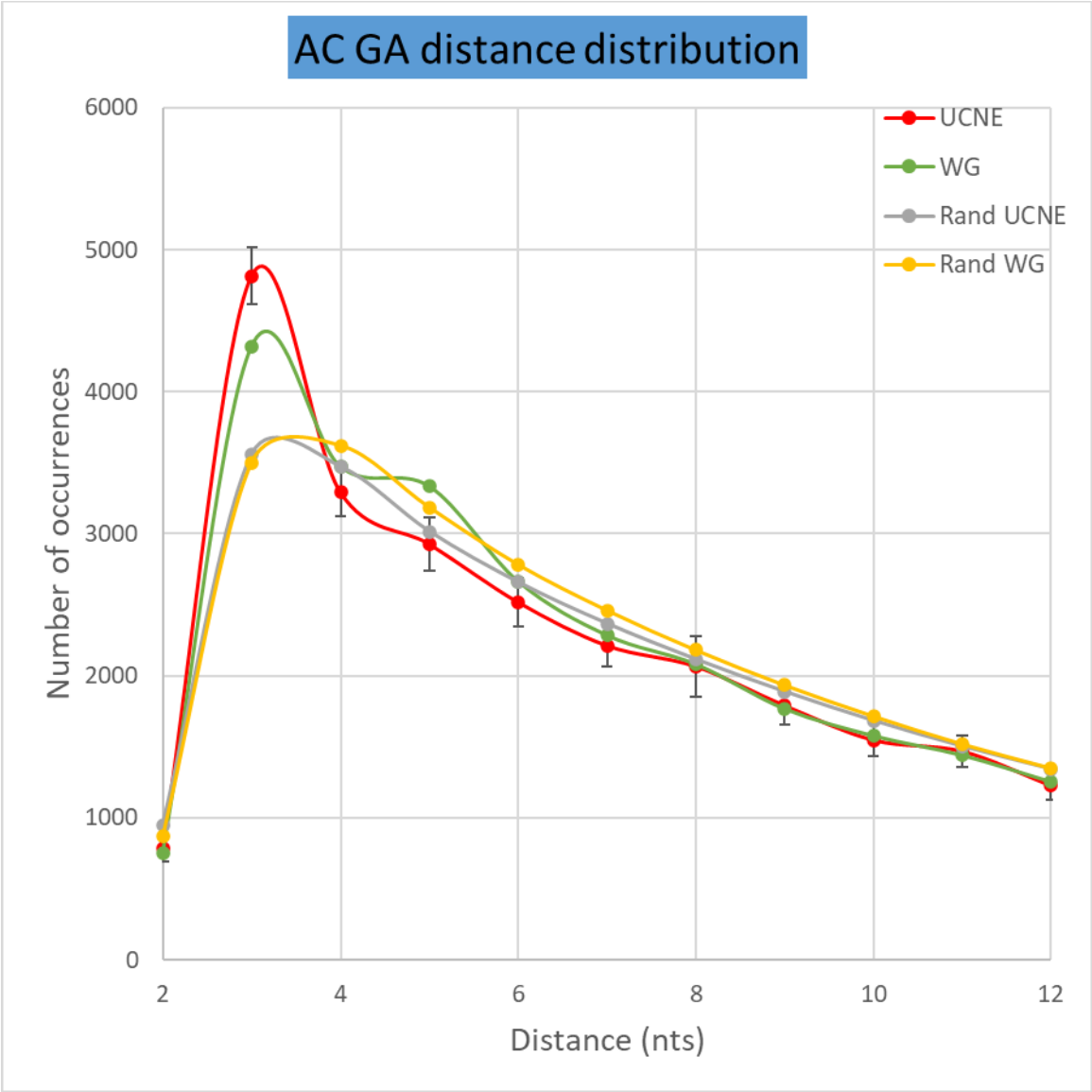
## AC CA distance distribution

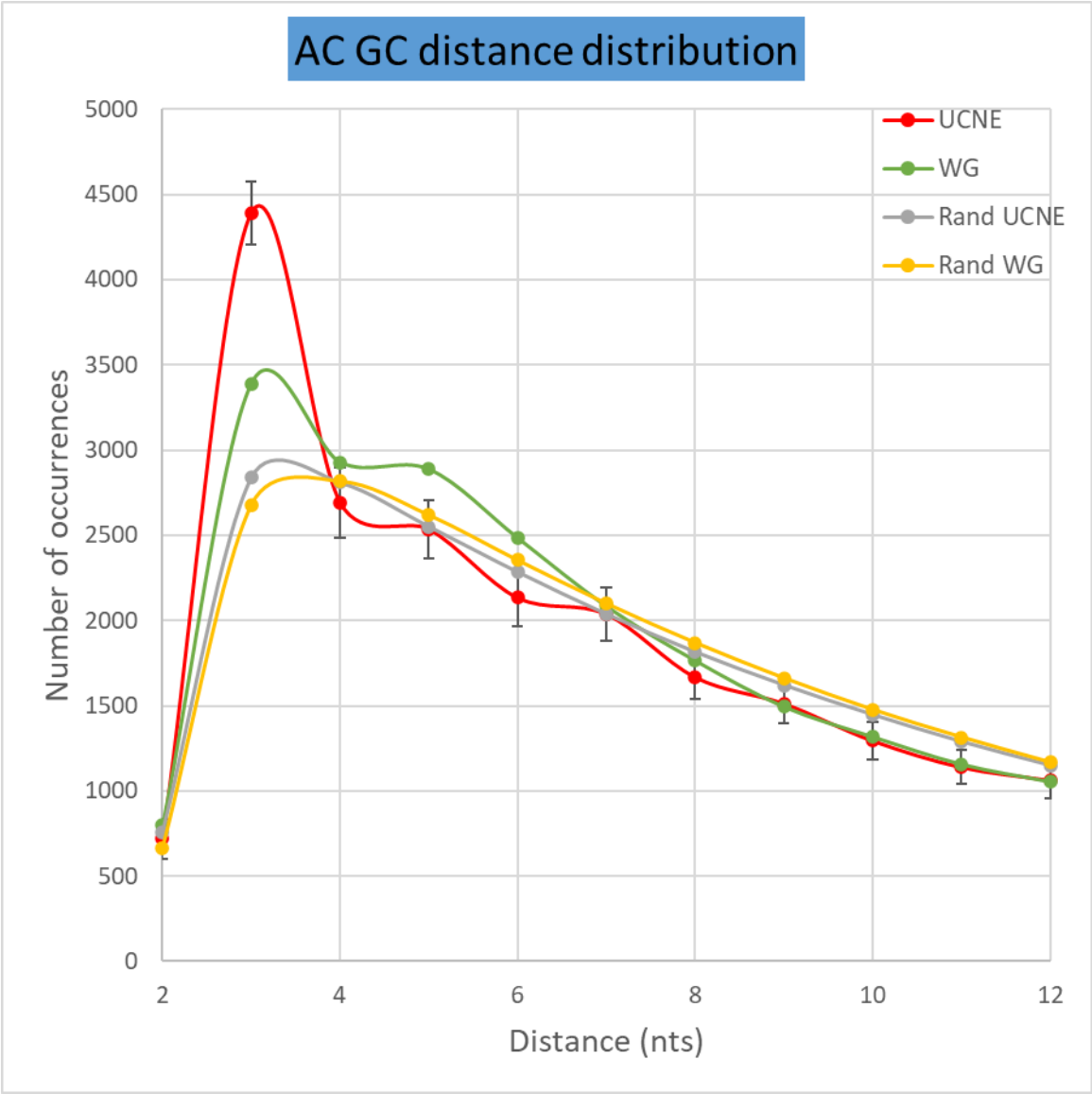


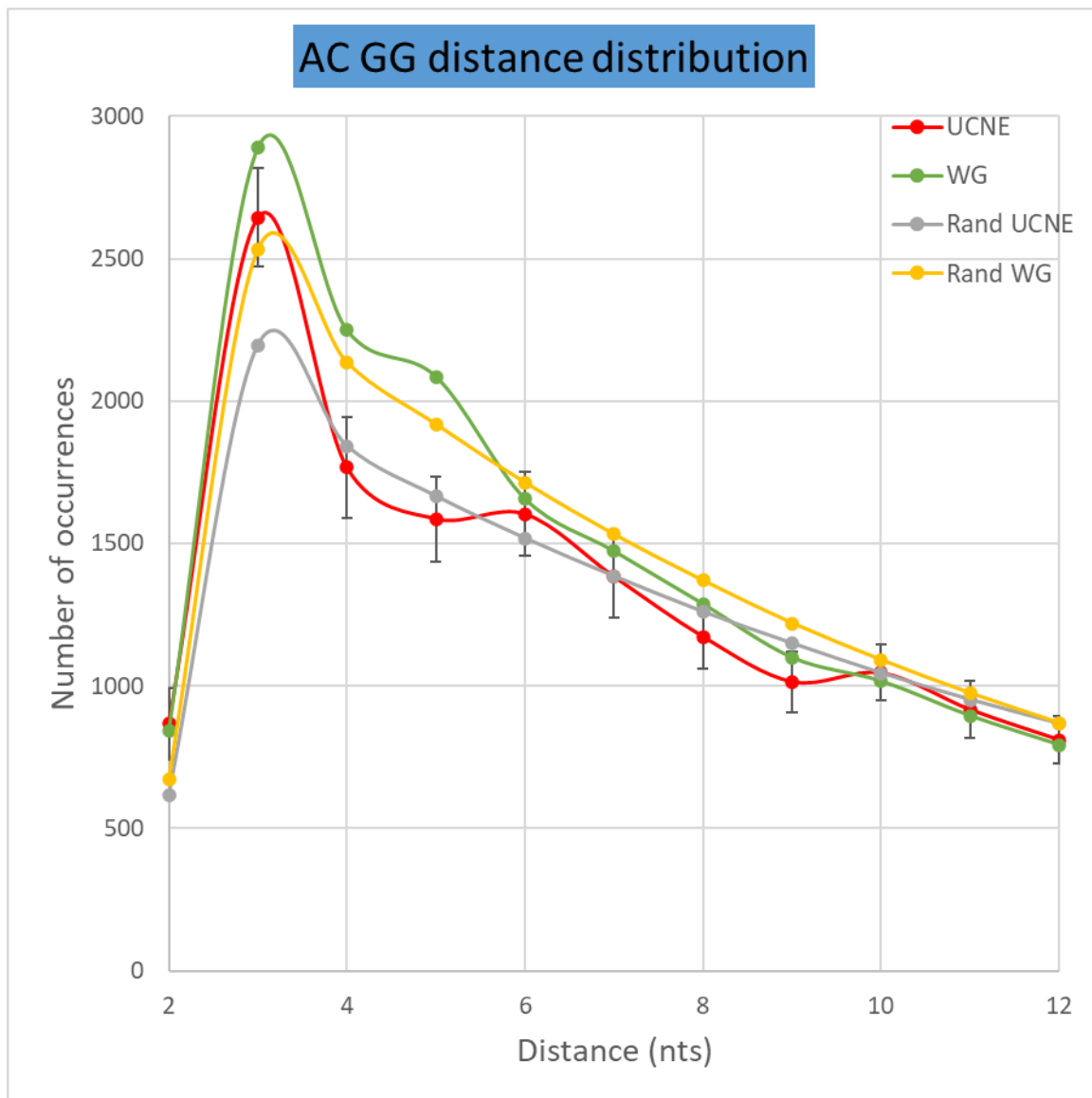


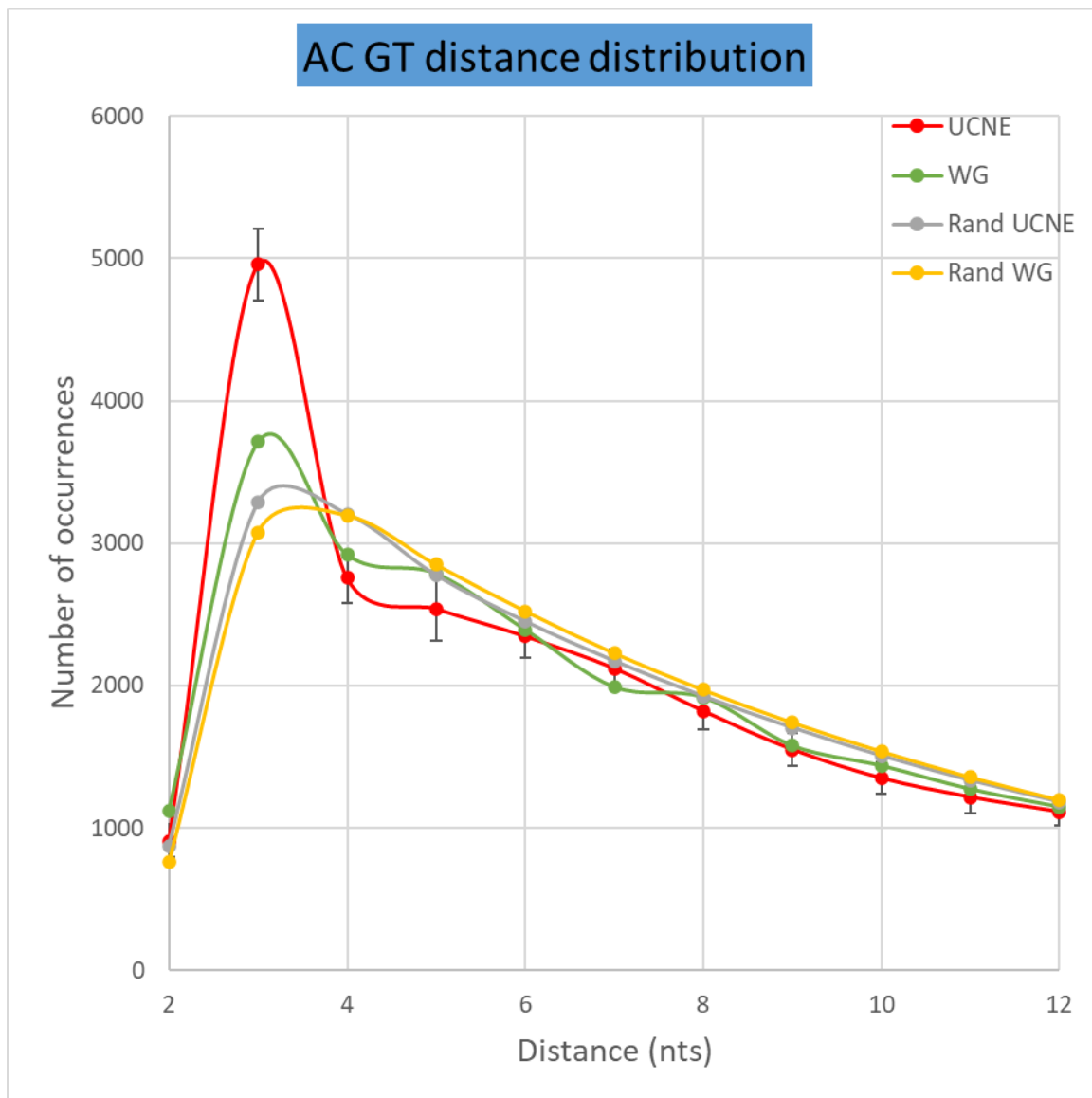






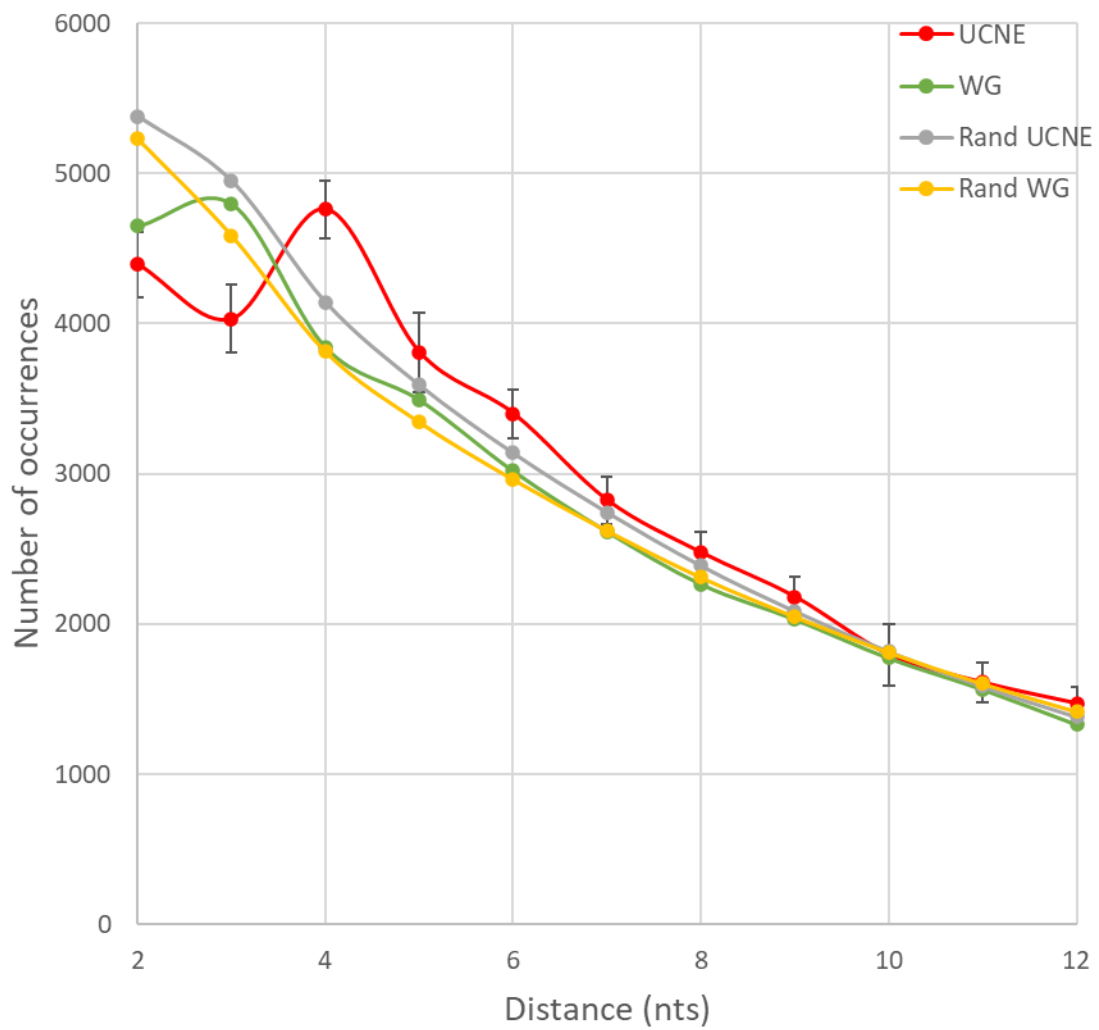


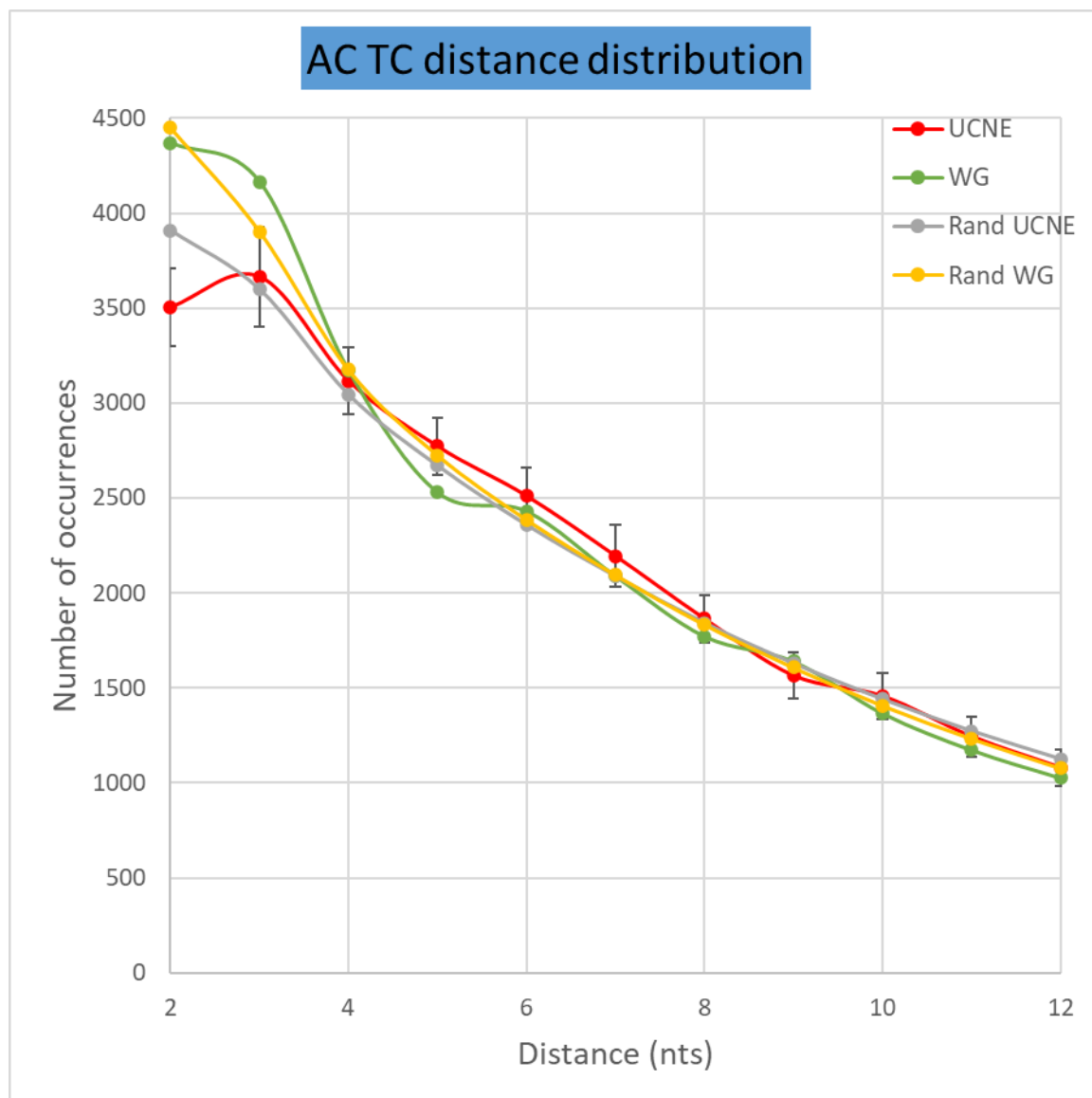


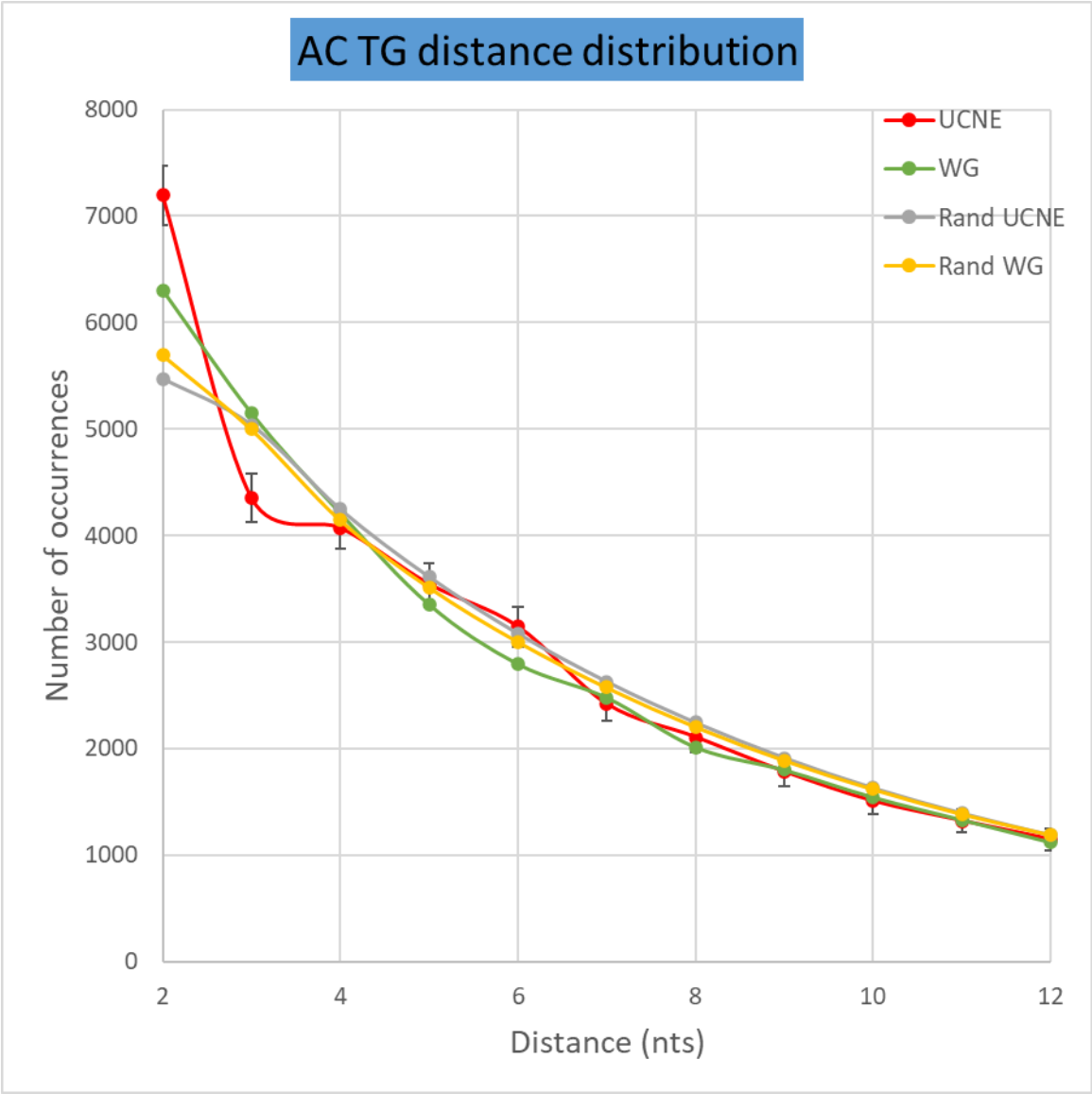


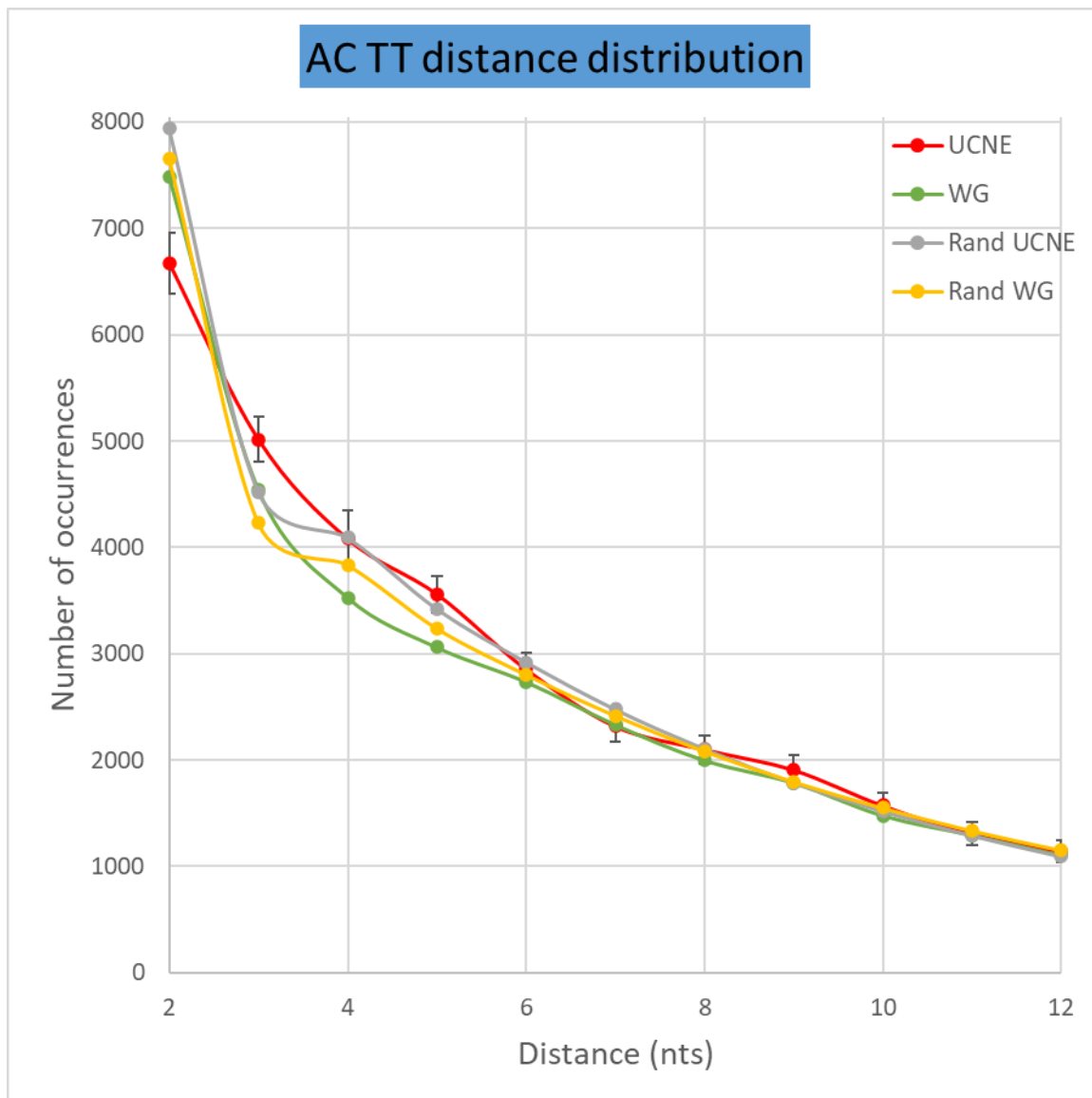


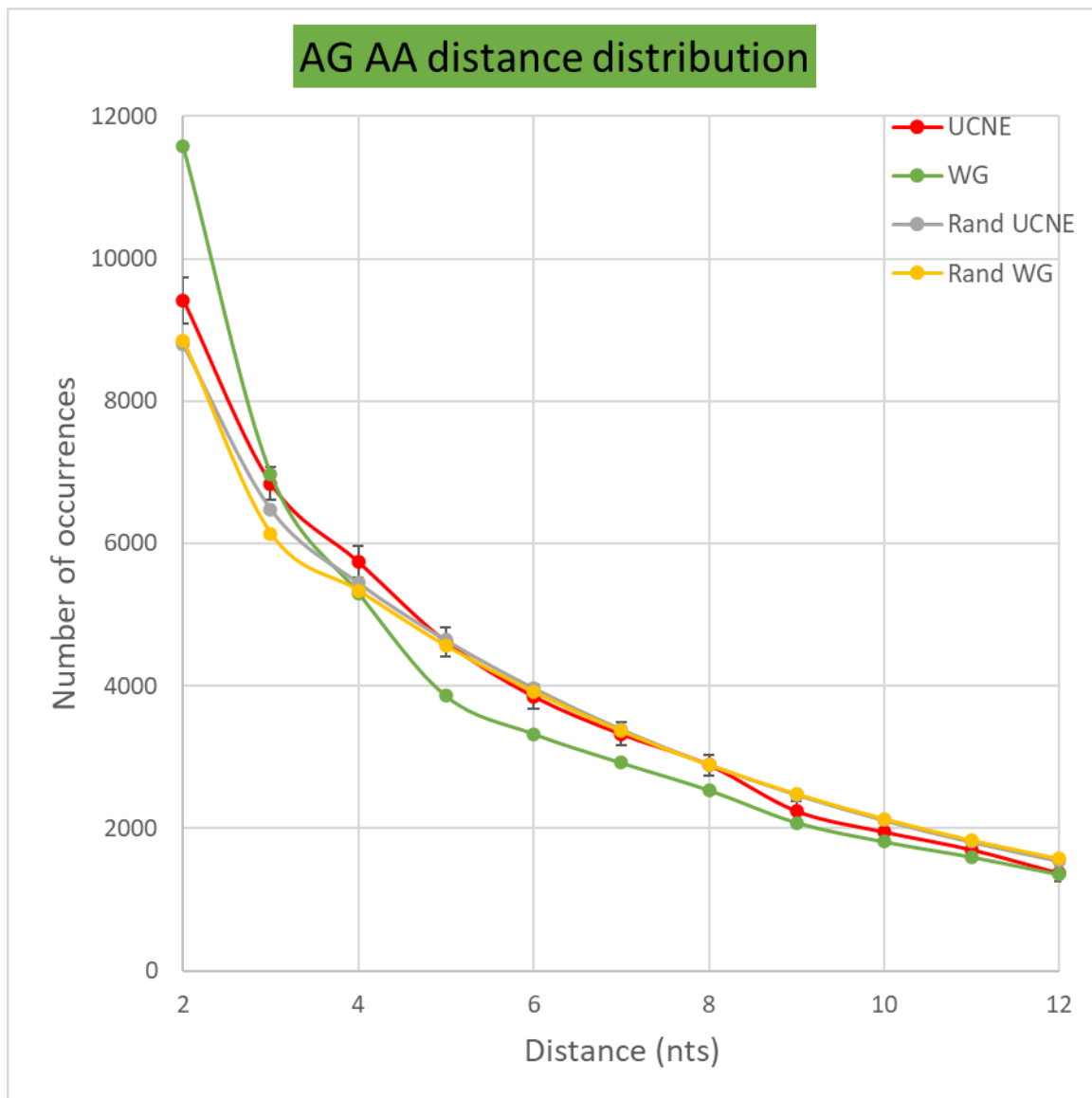
## AC TA distance distribution

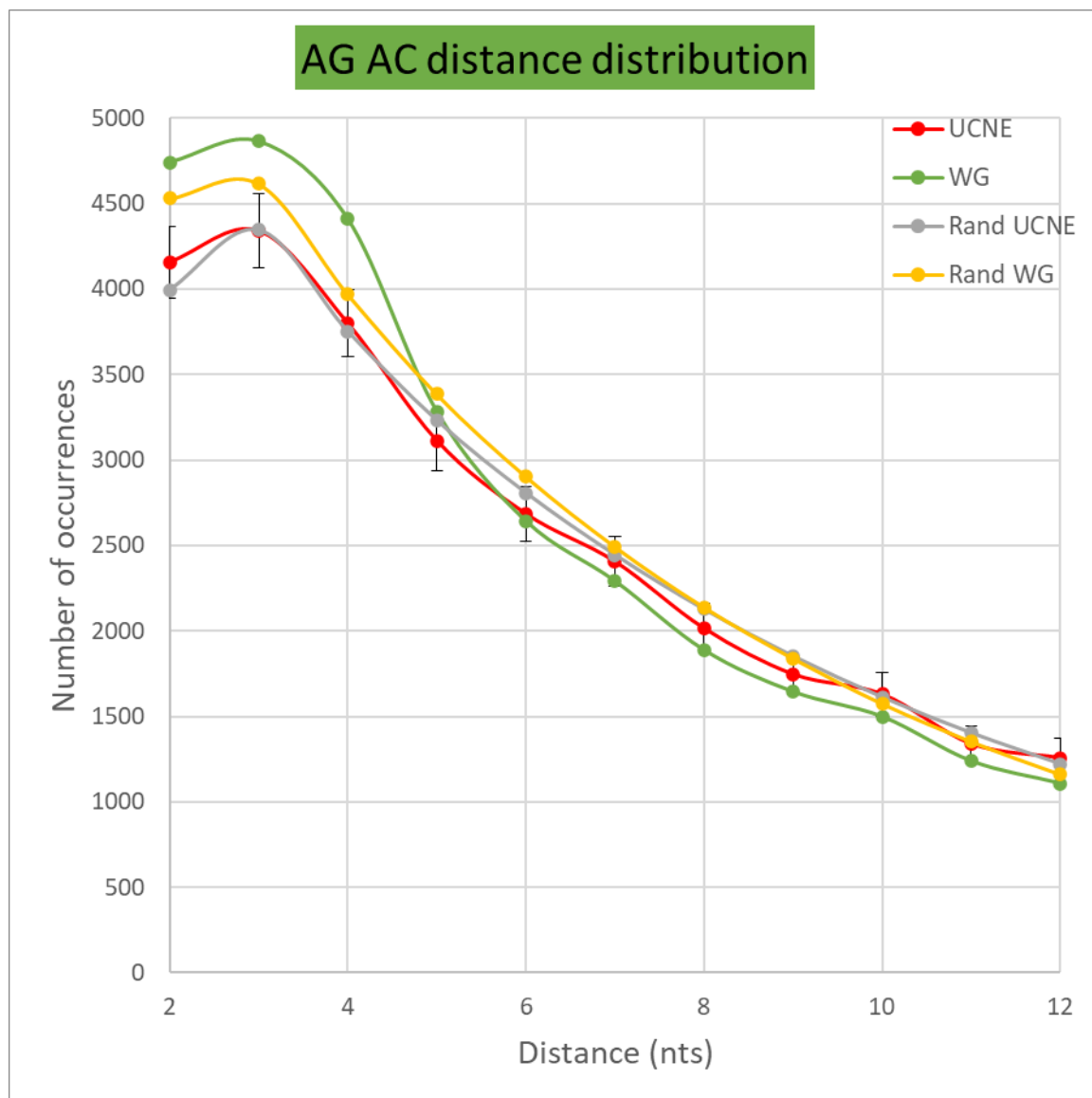


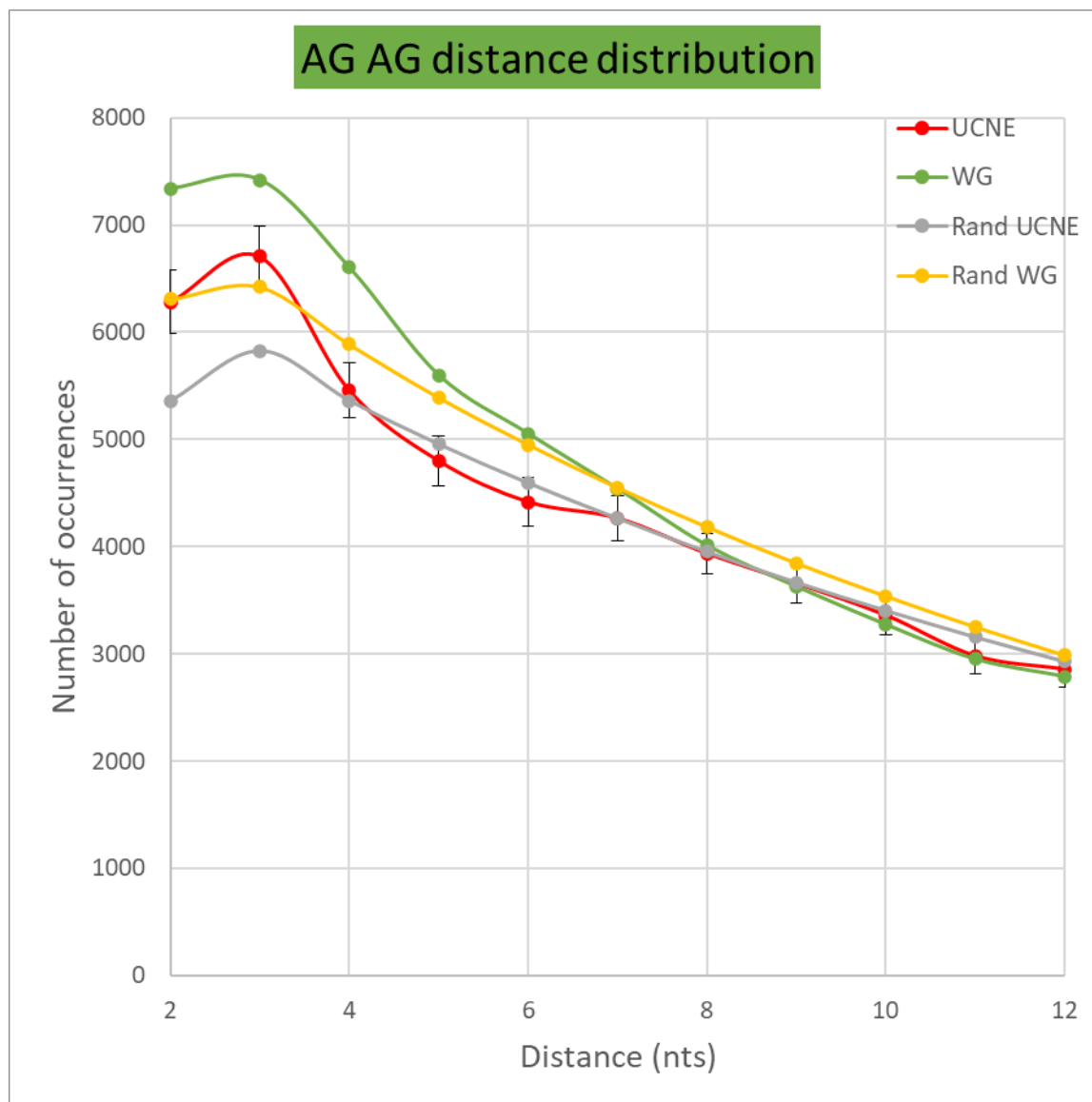


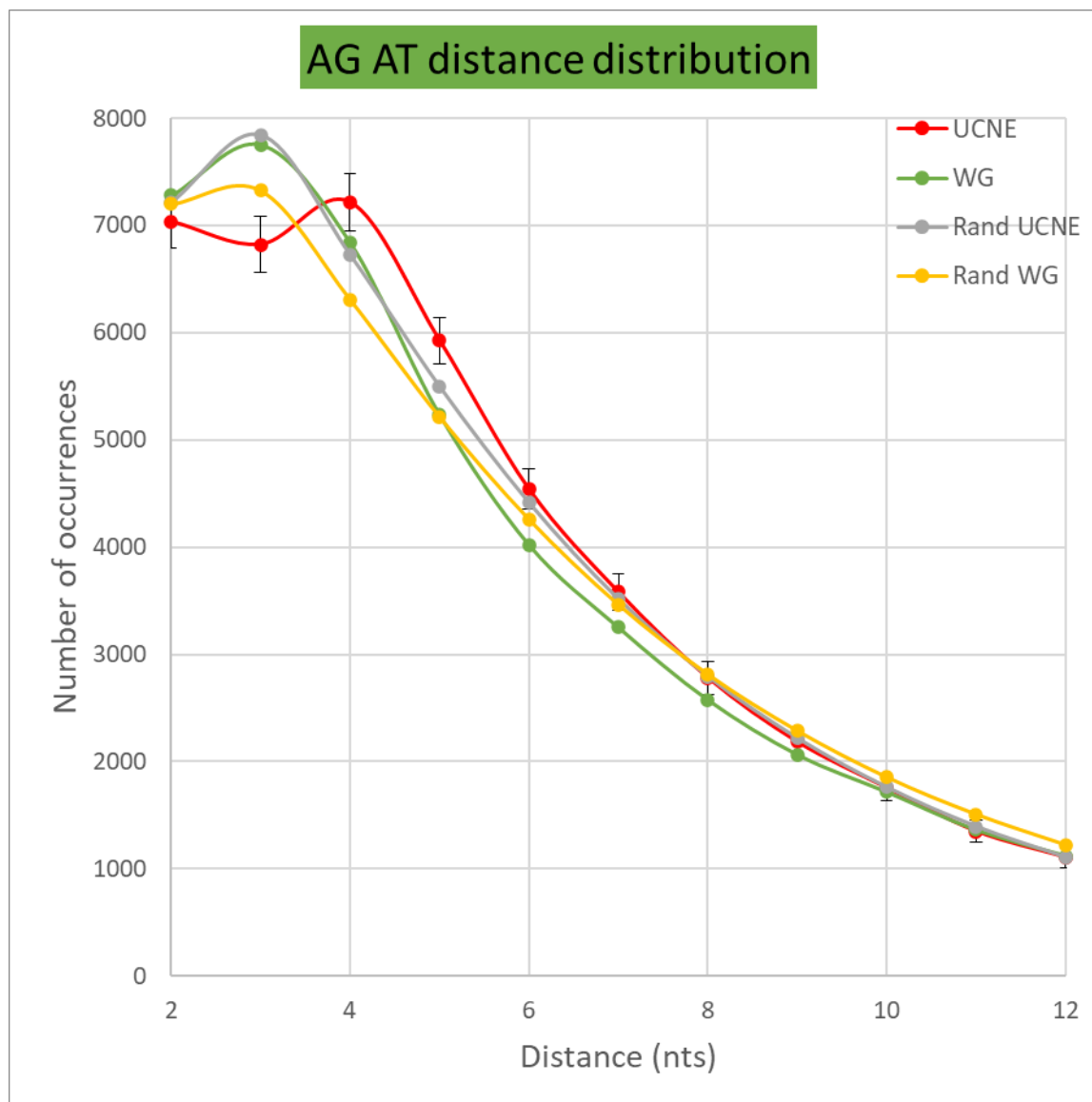




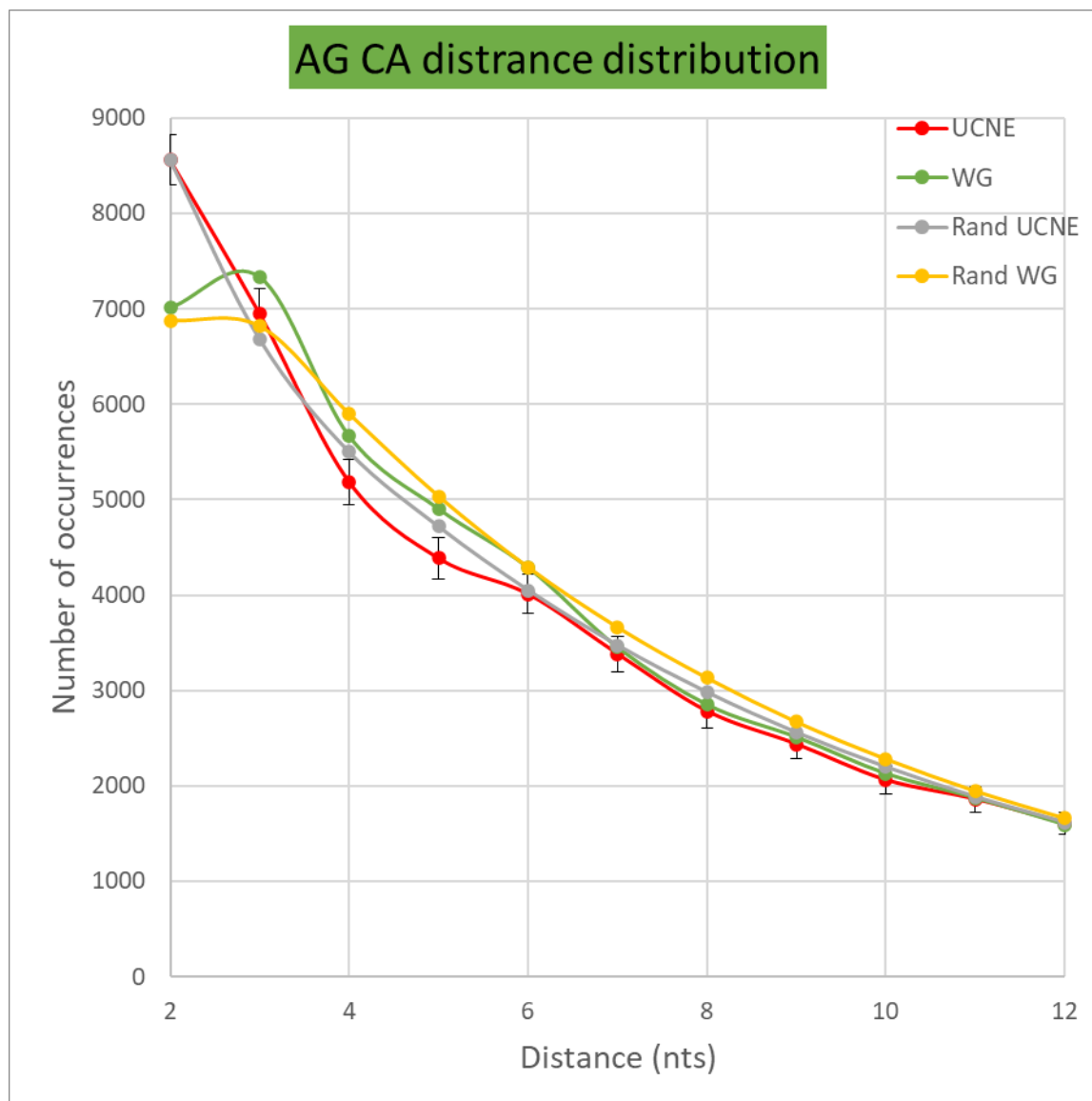


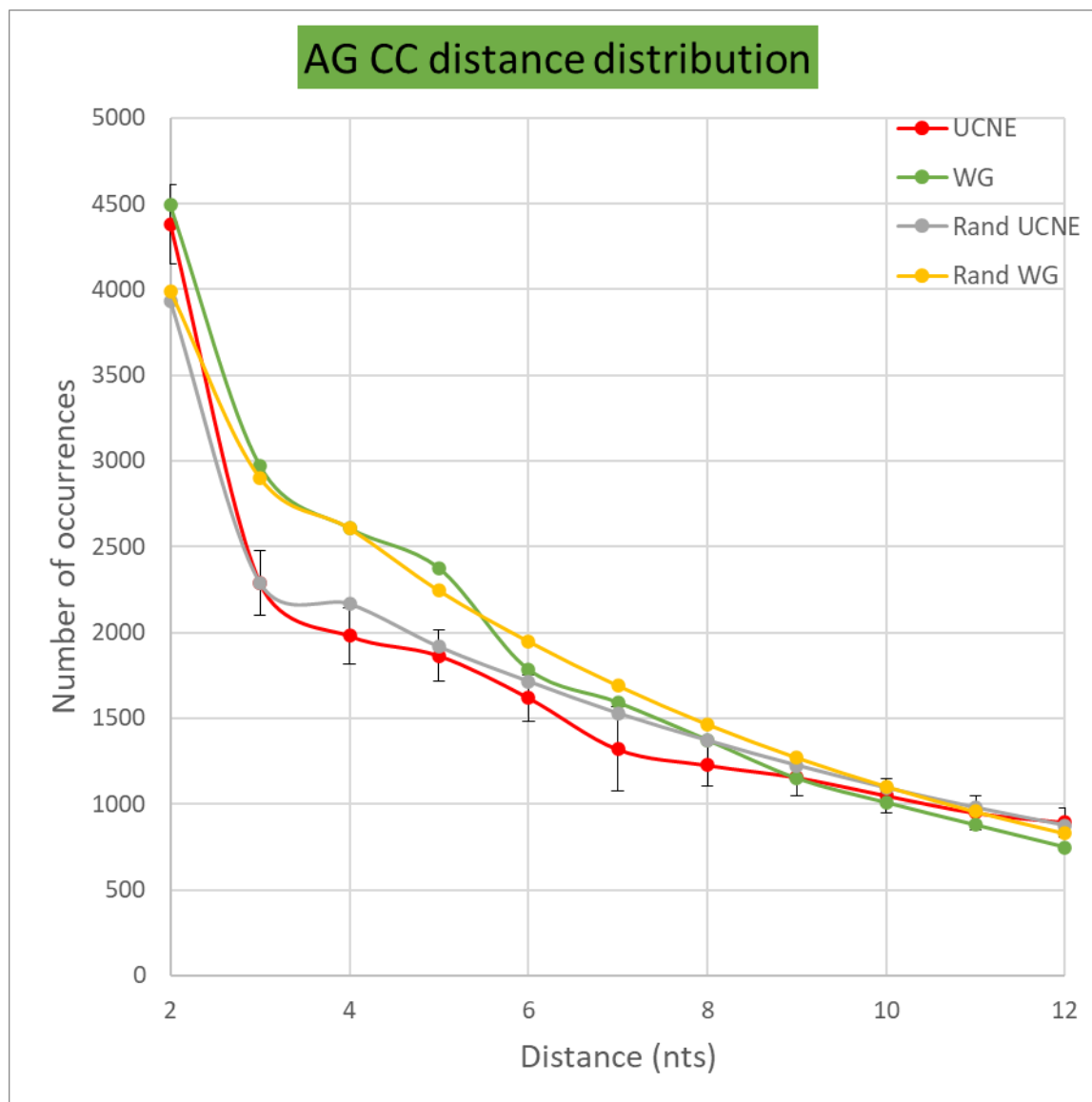


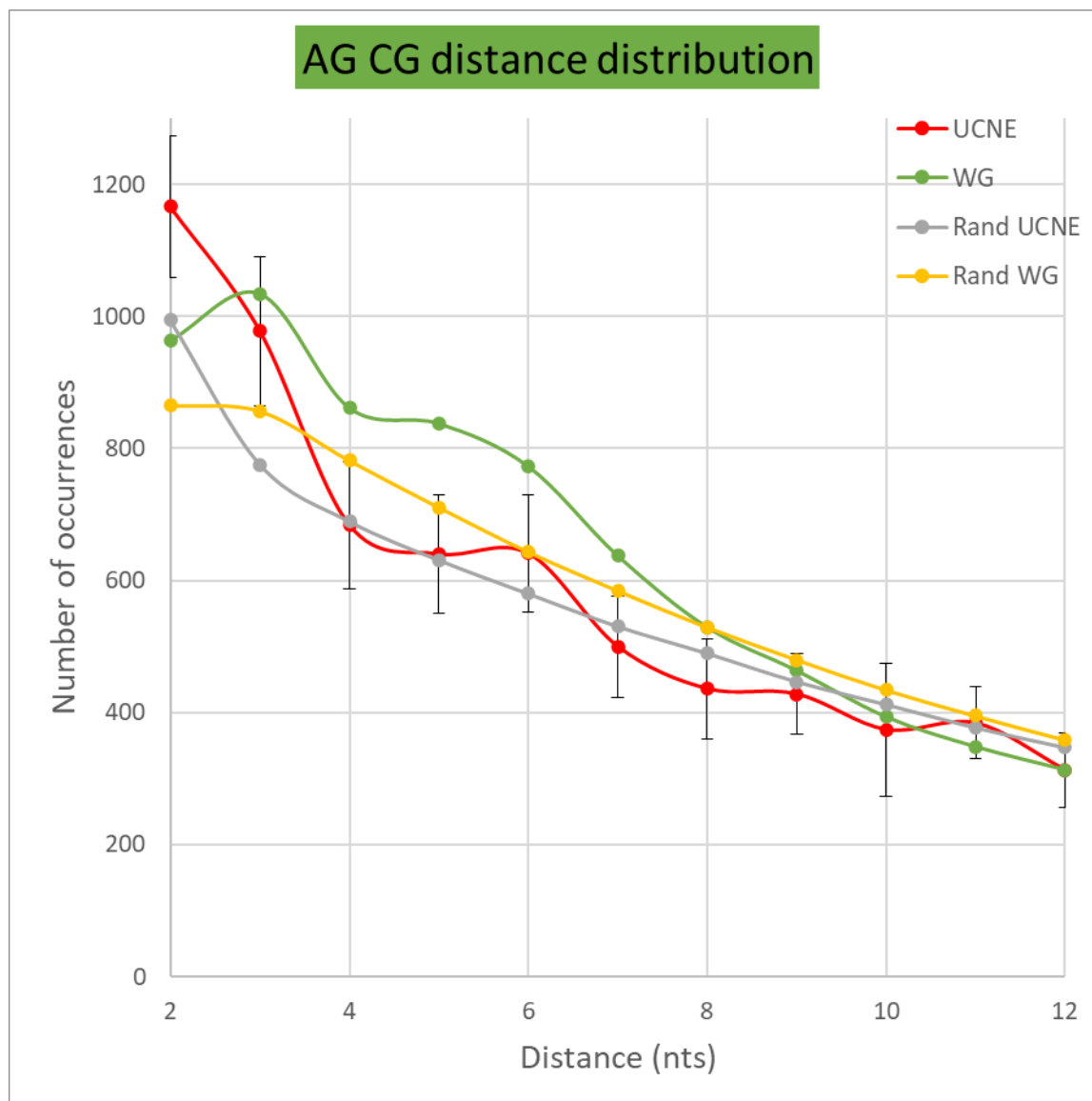


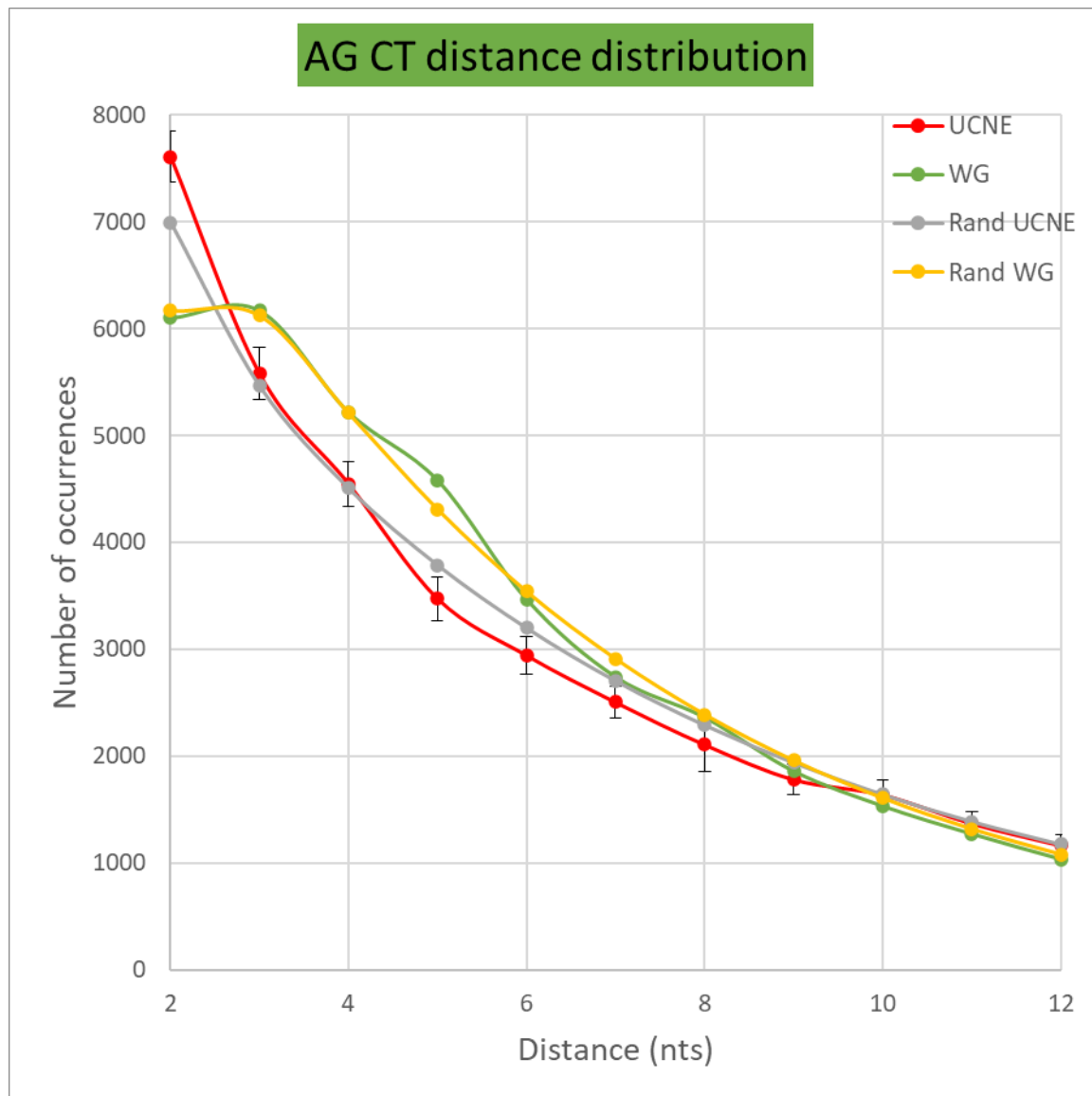


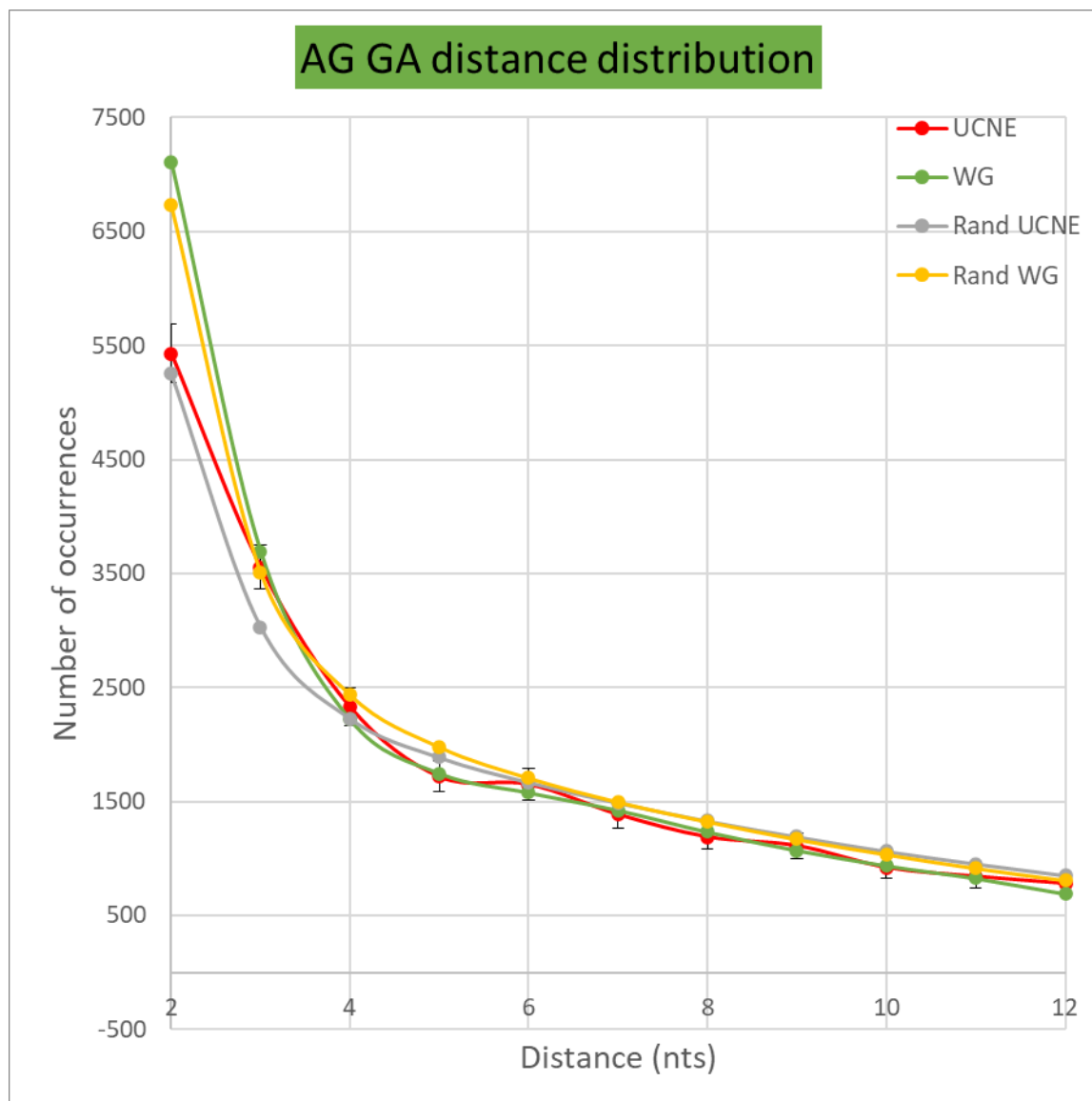


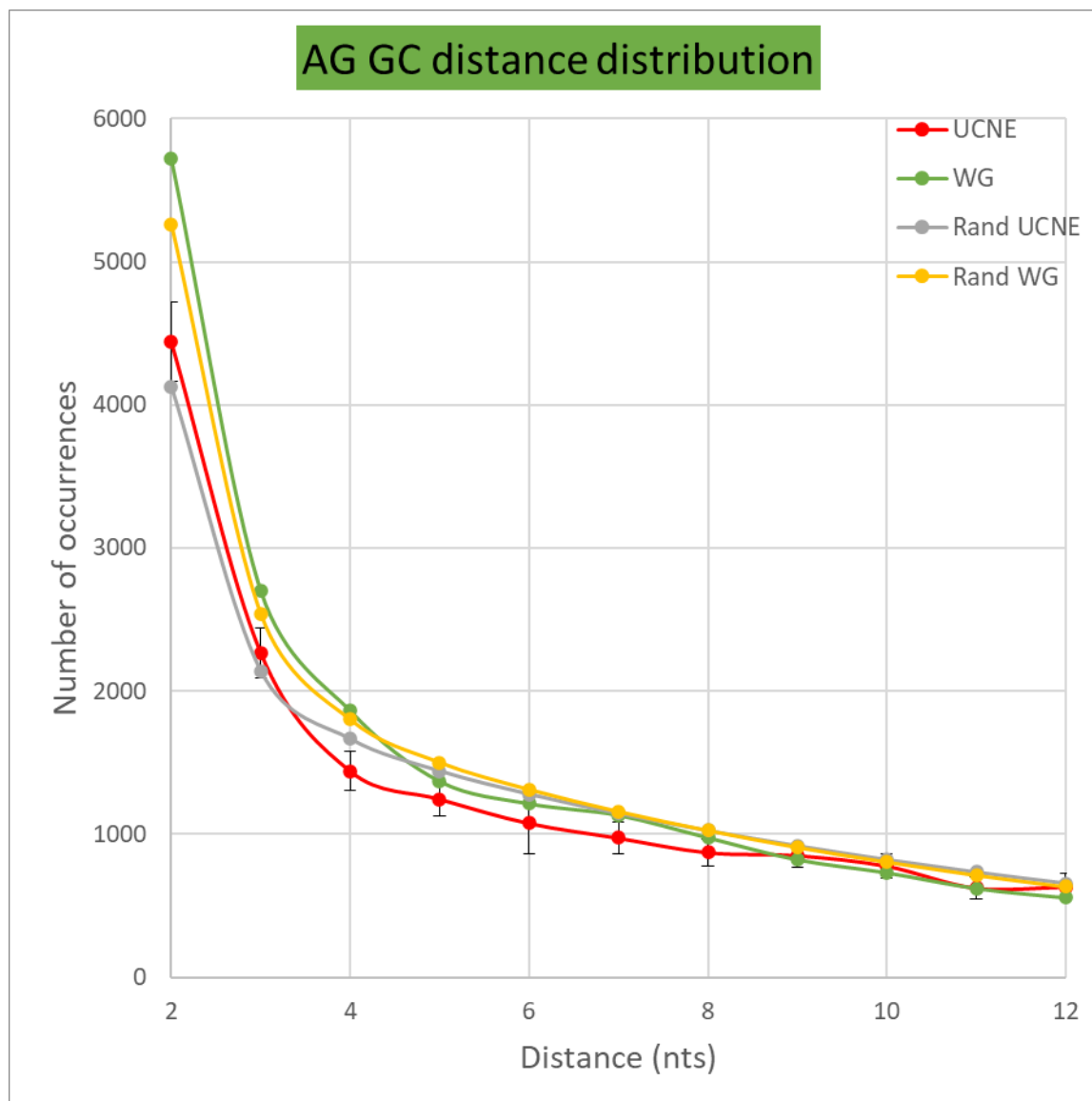


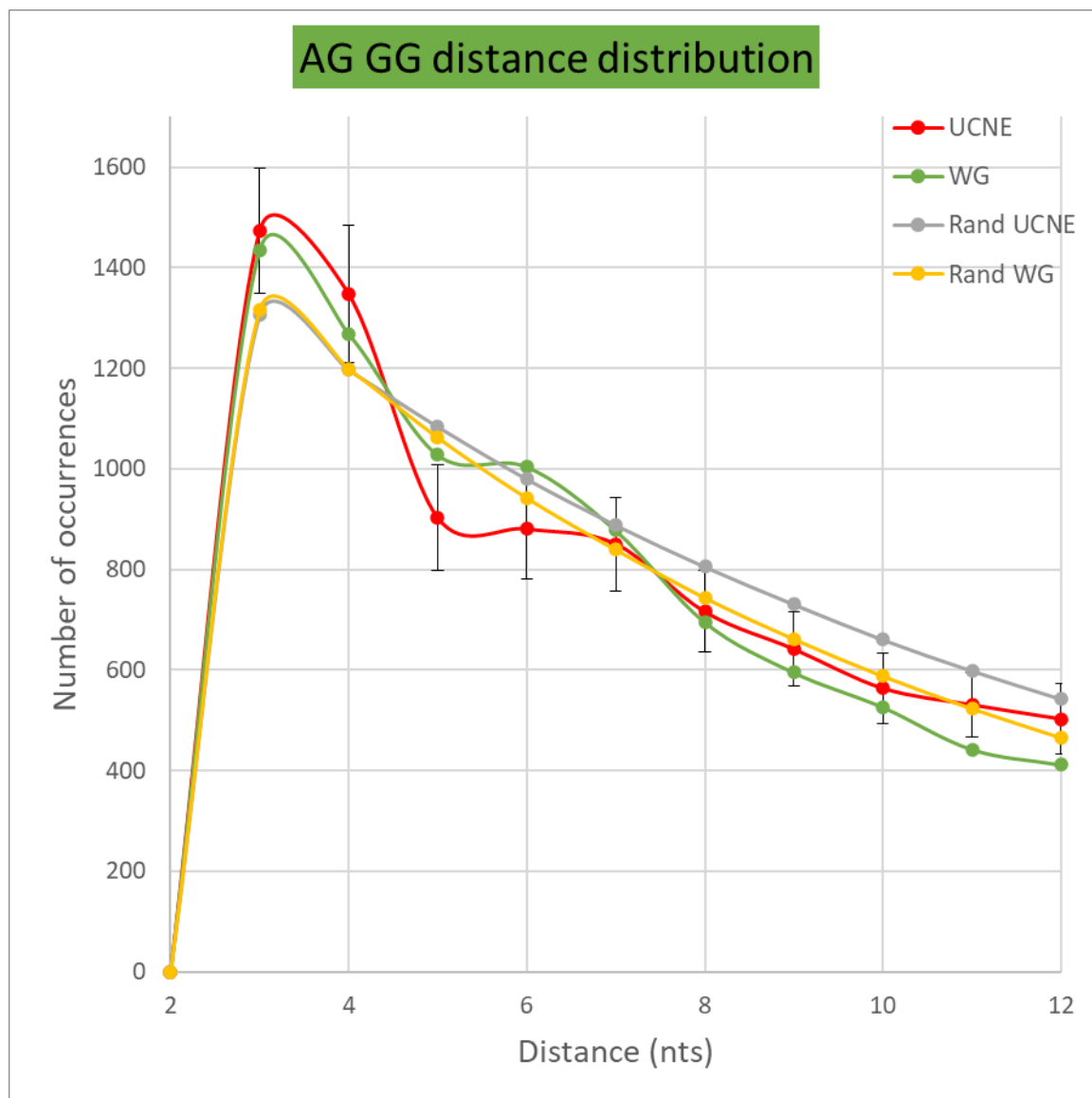


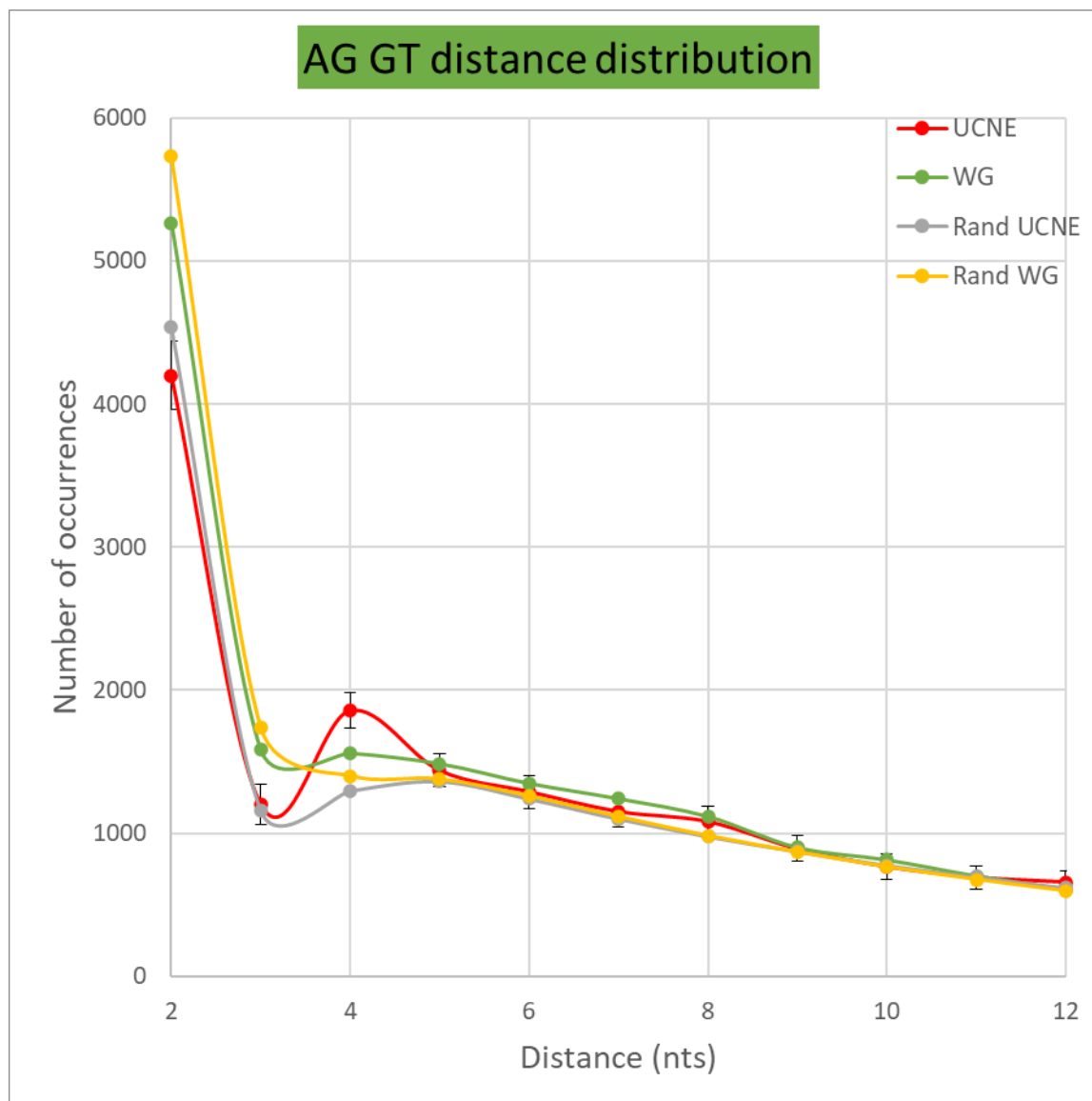




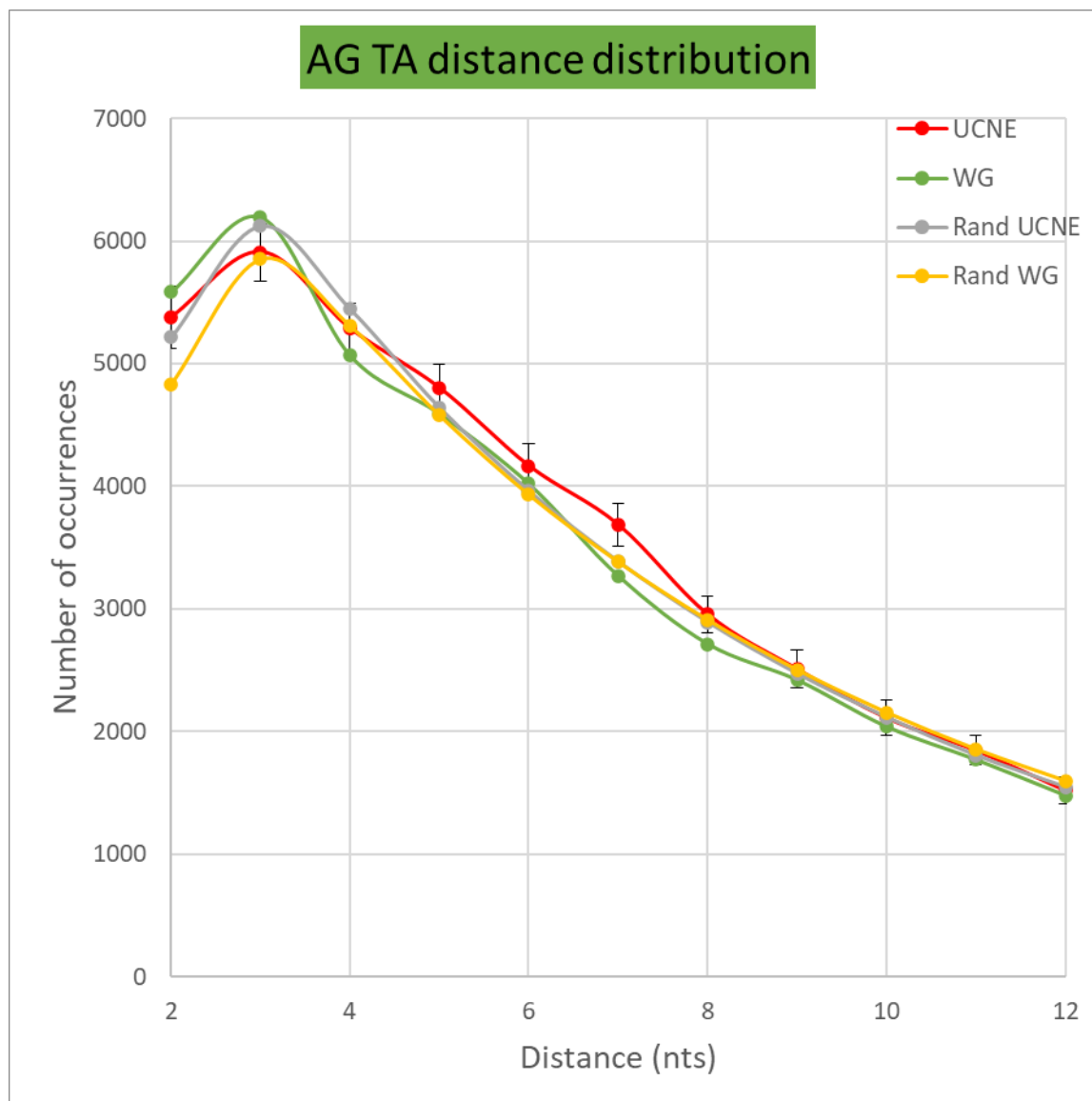


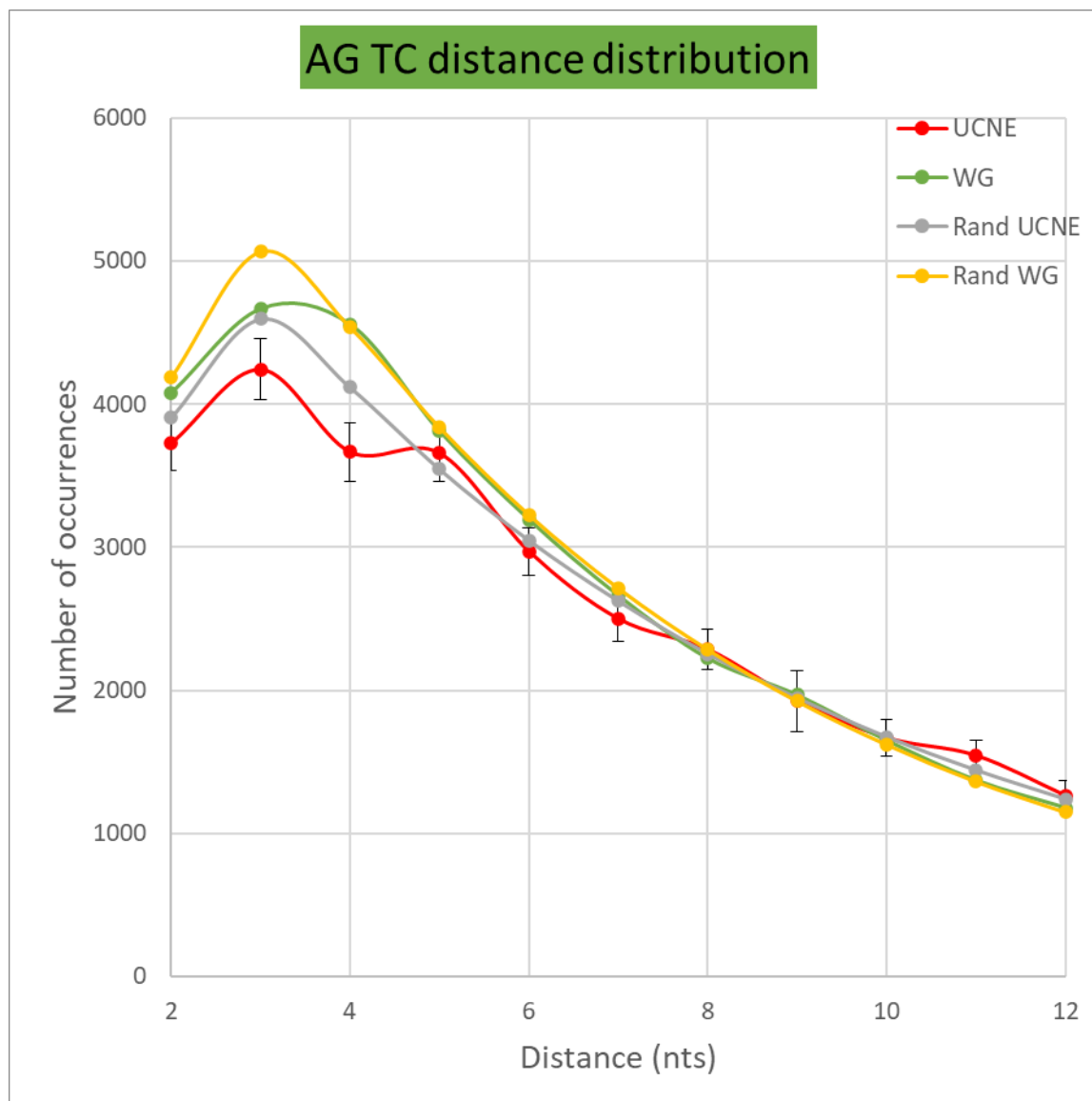


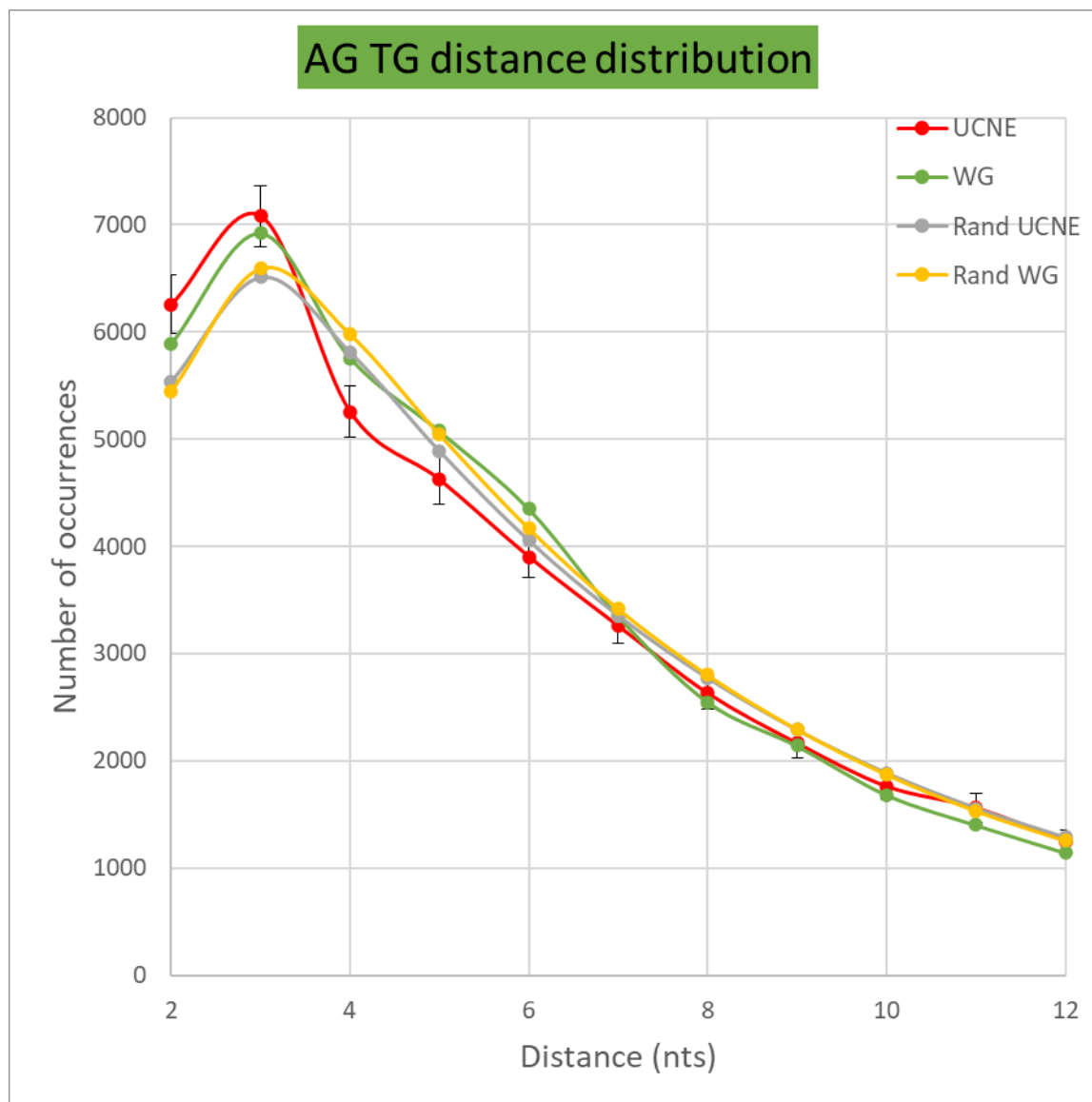


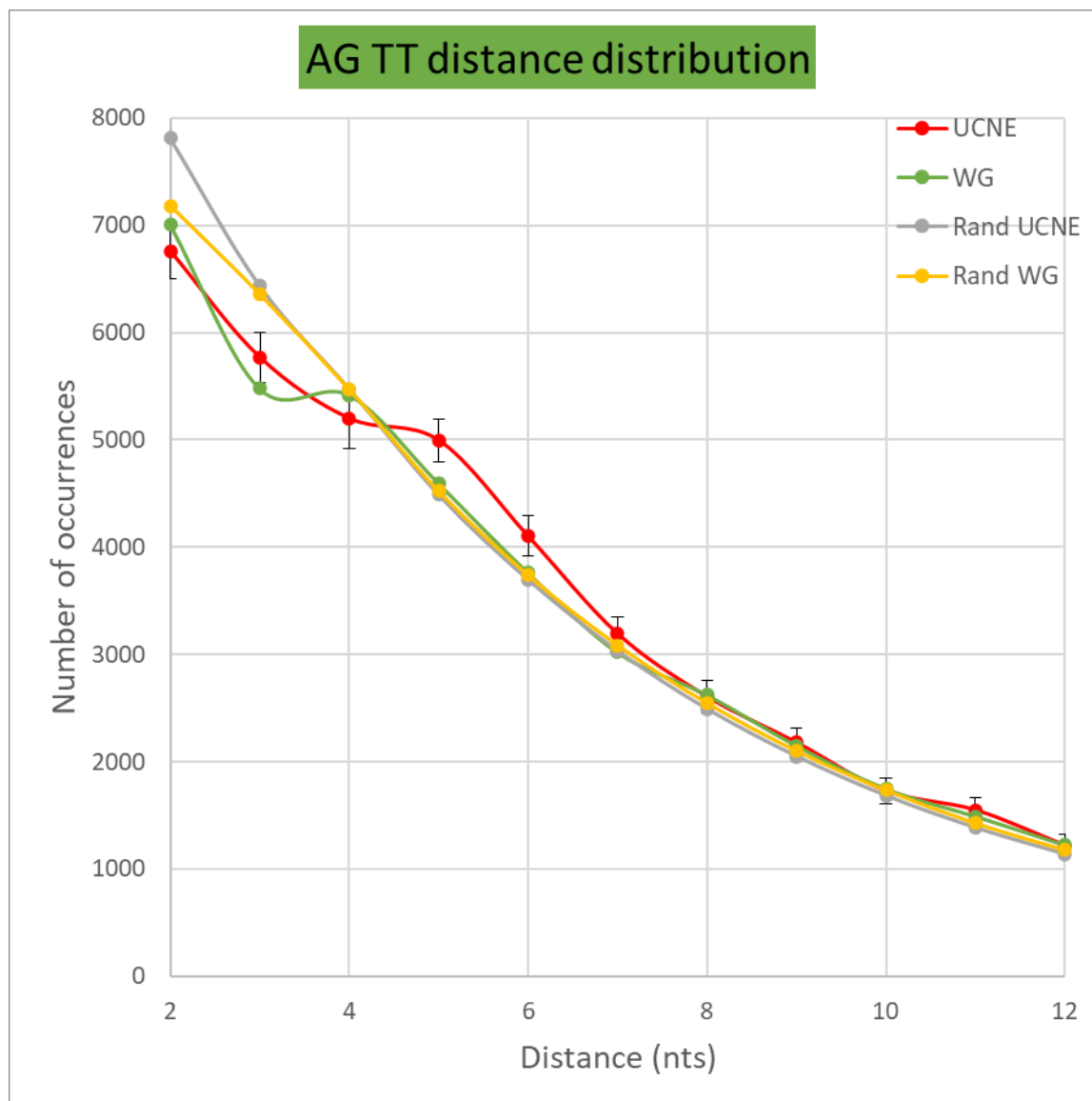


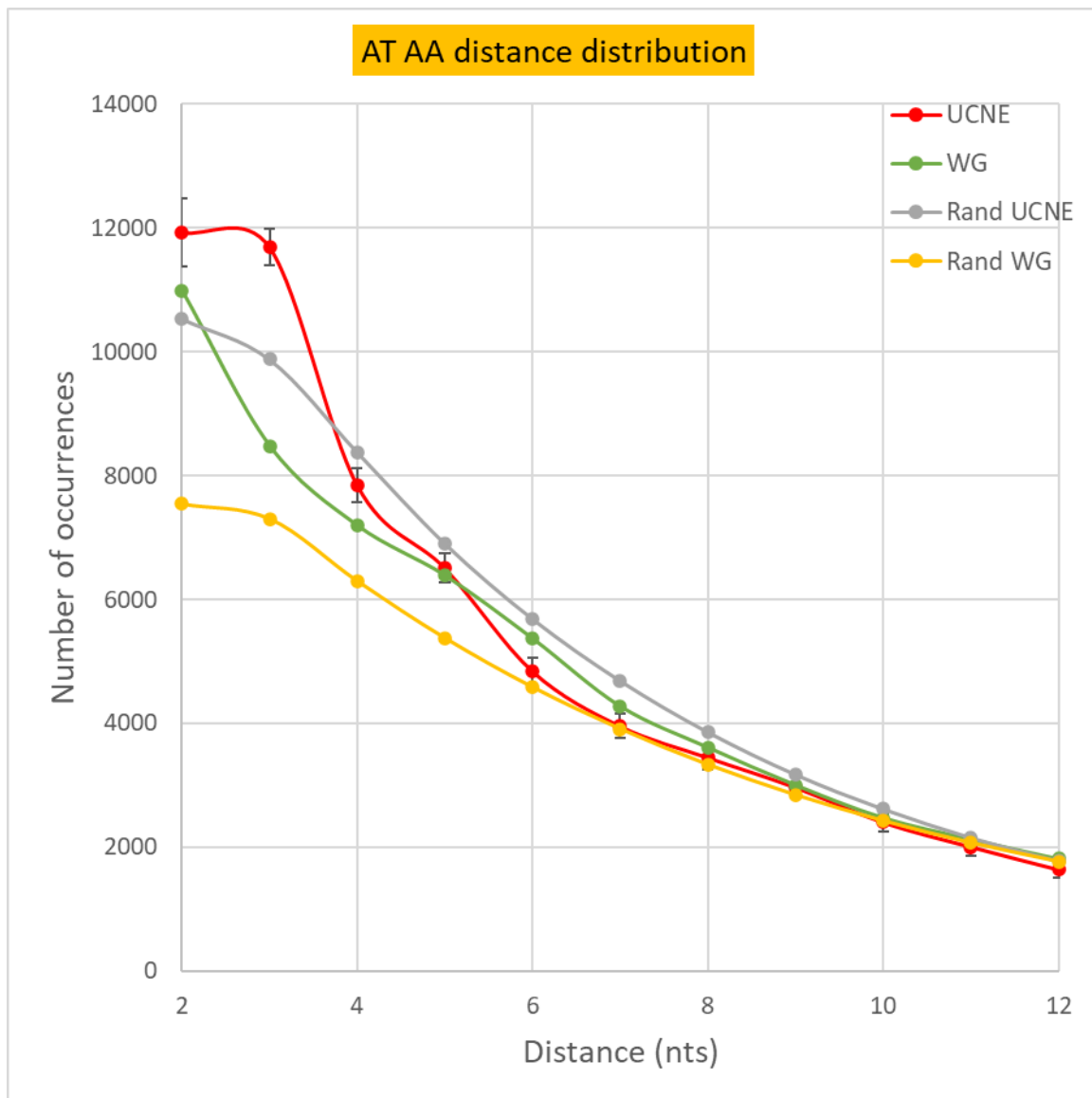


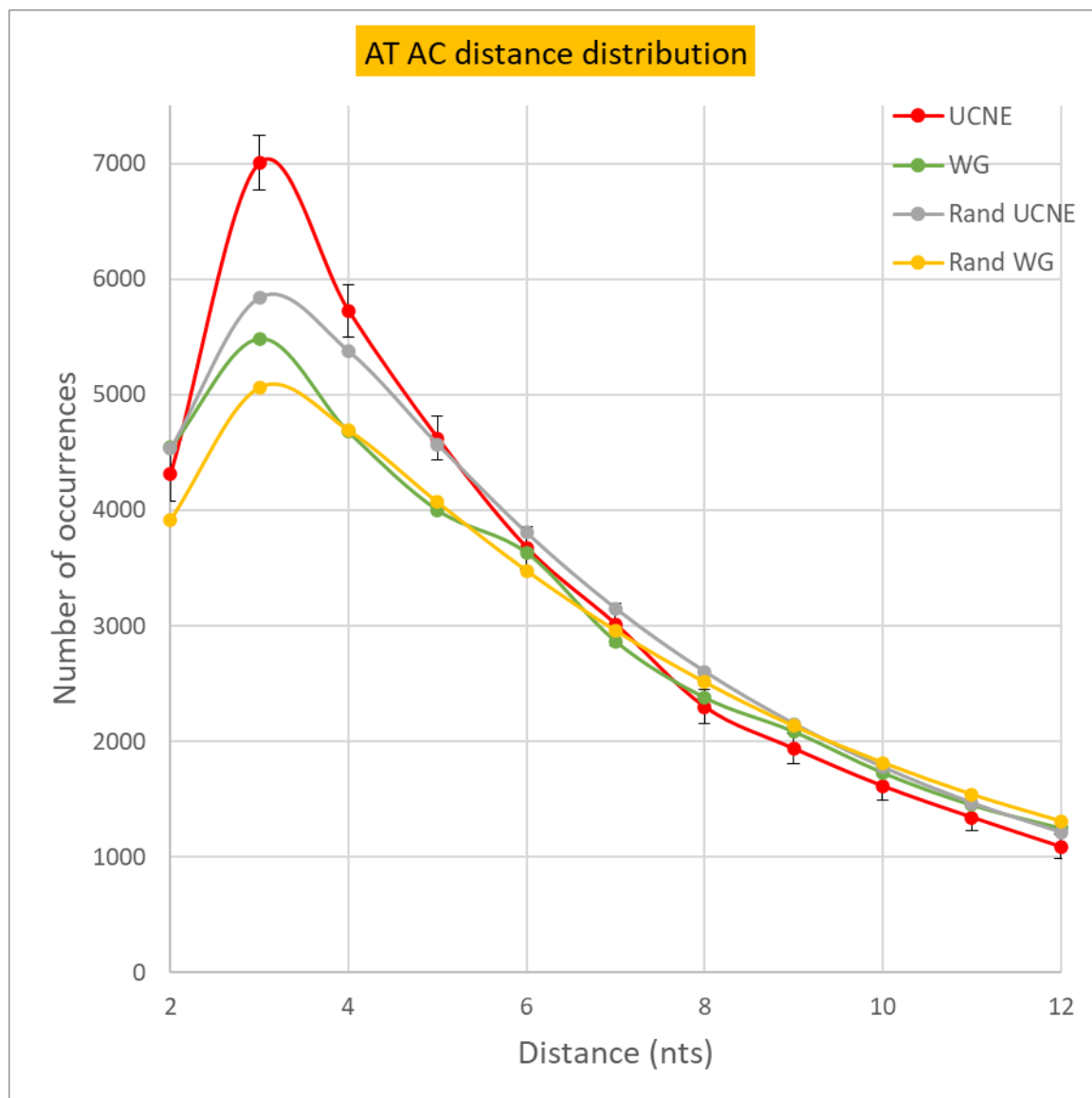


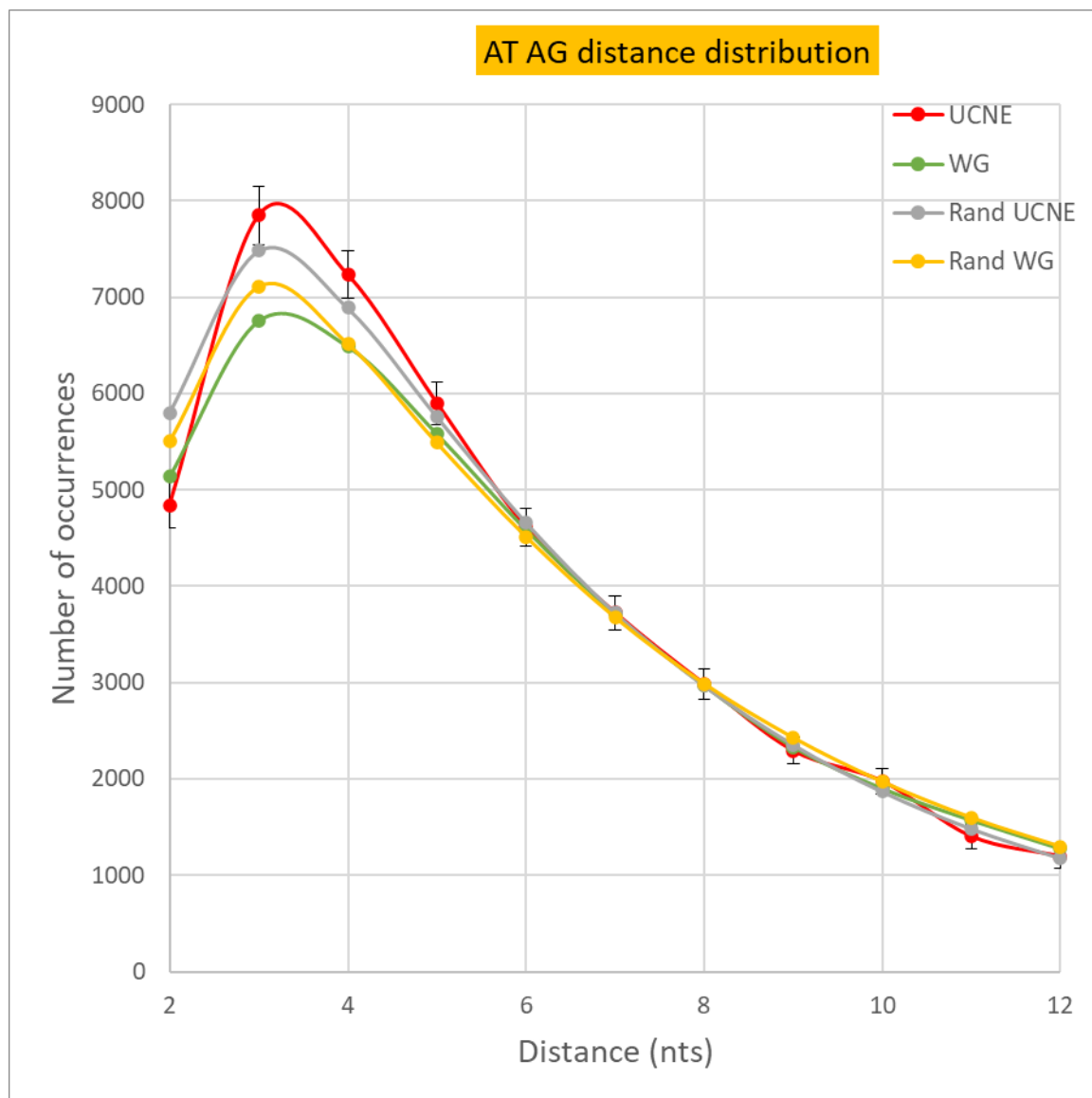


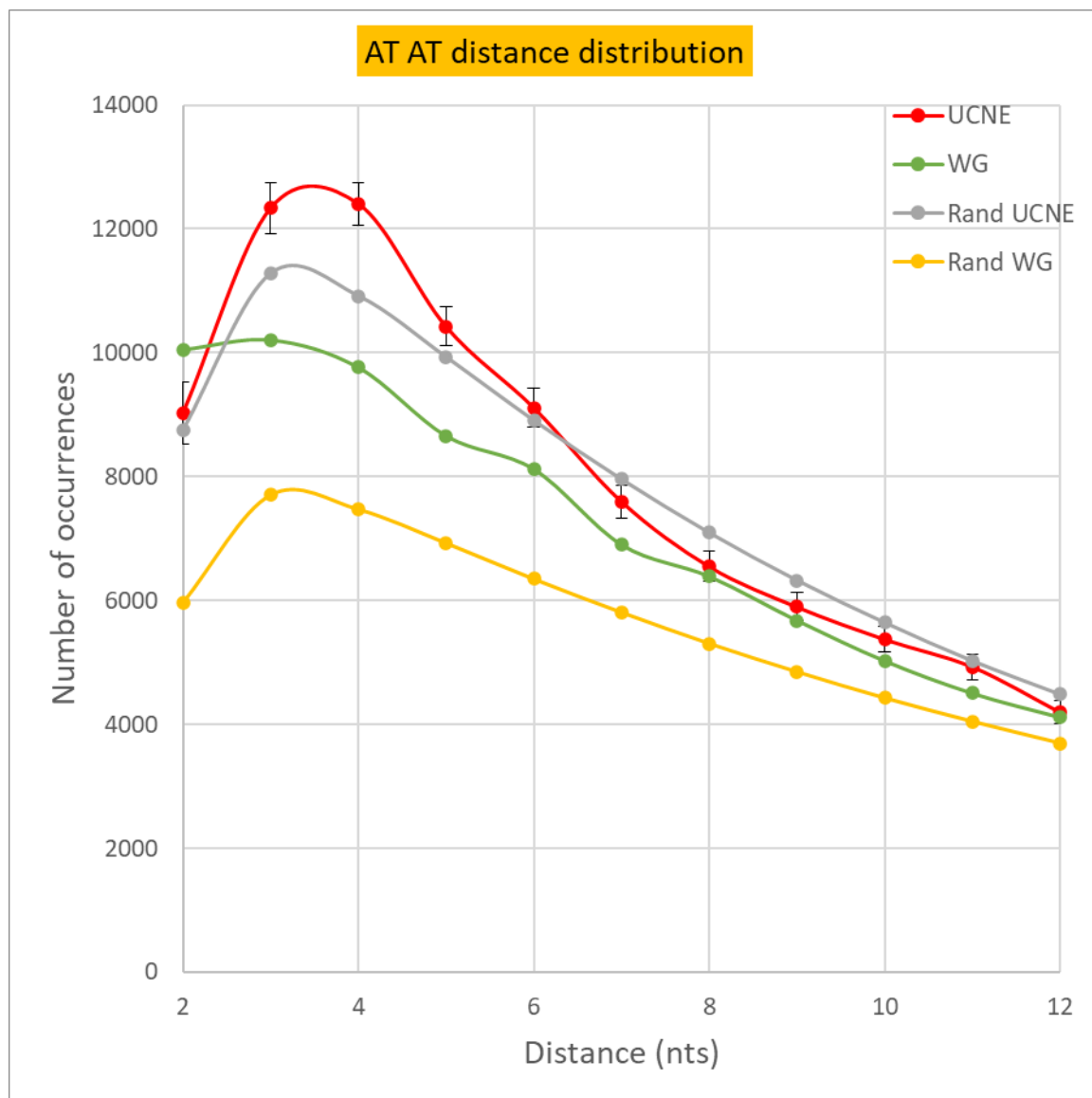




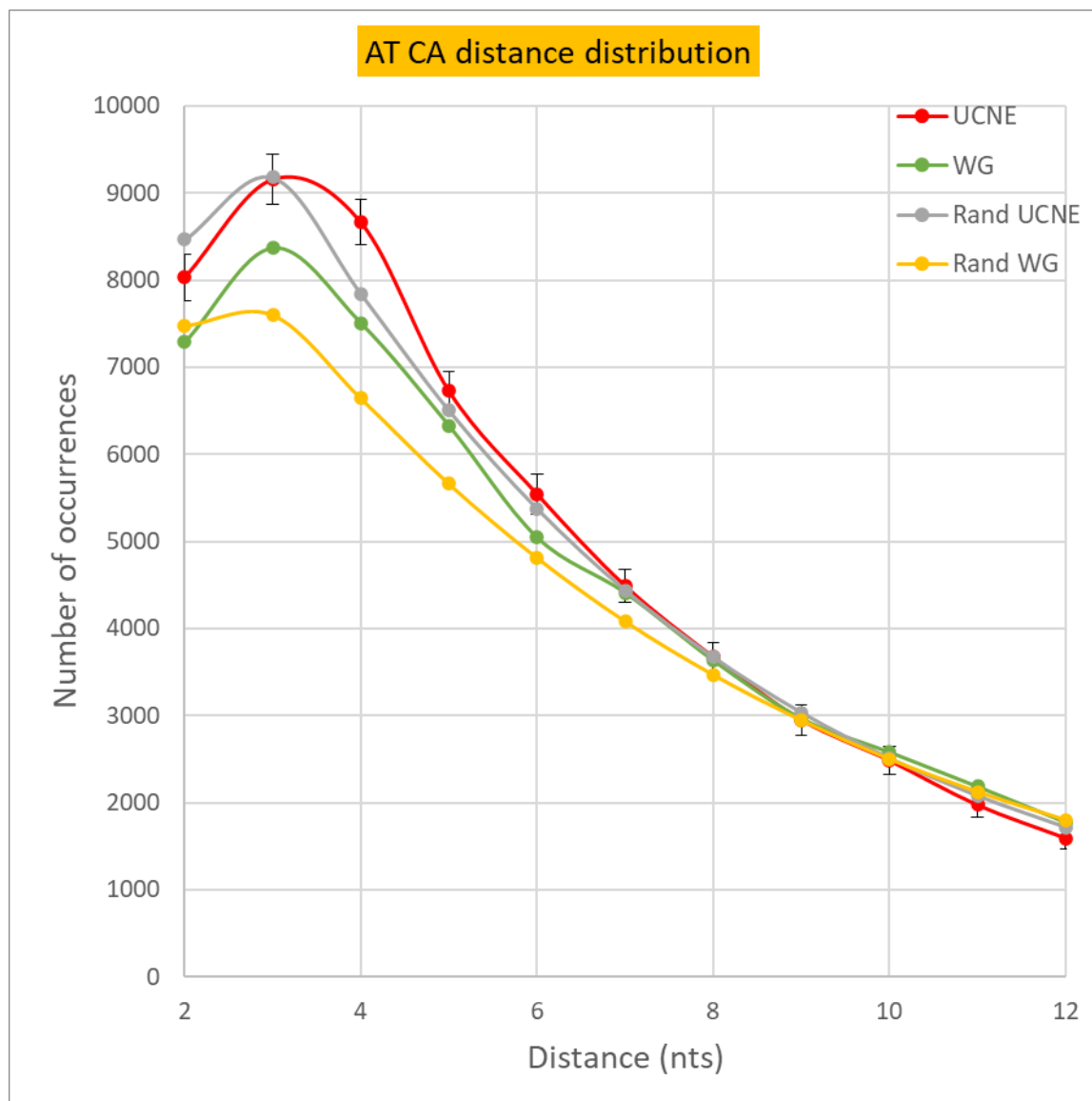


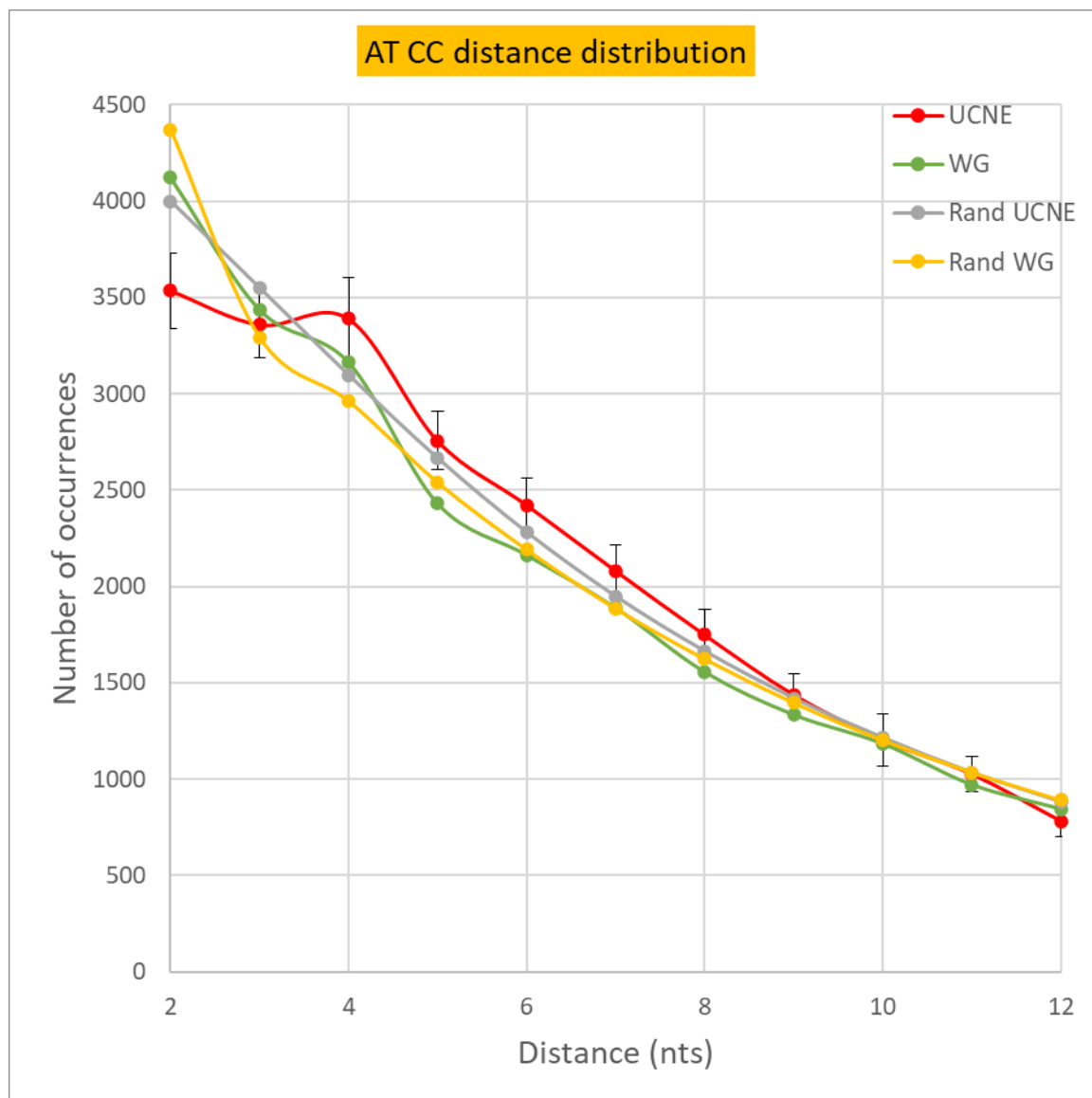


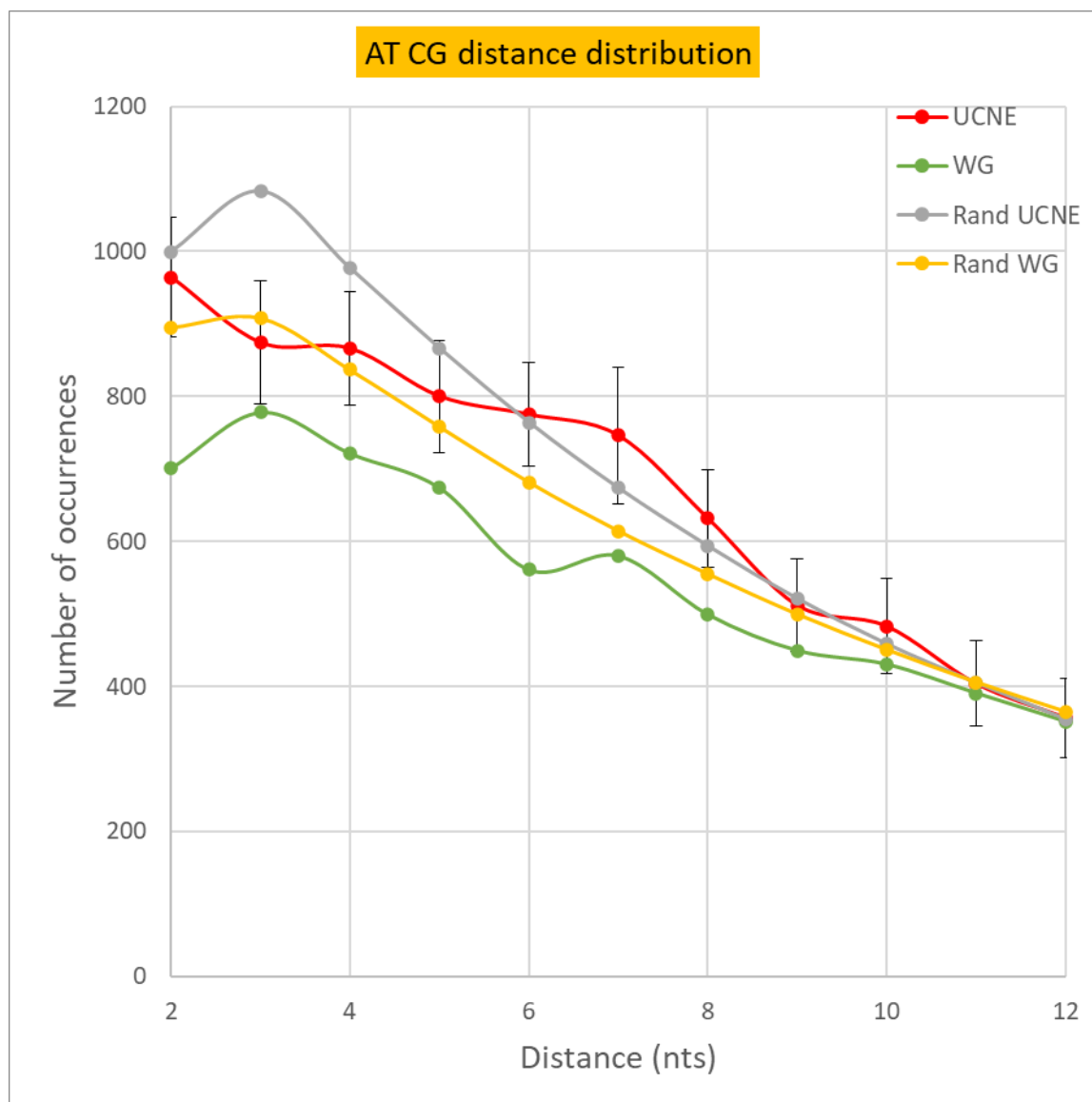


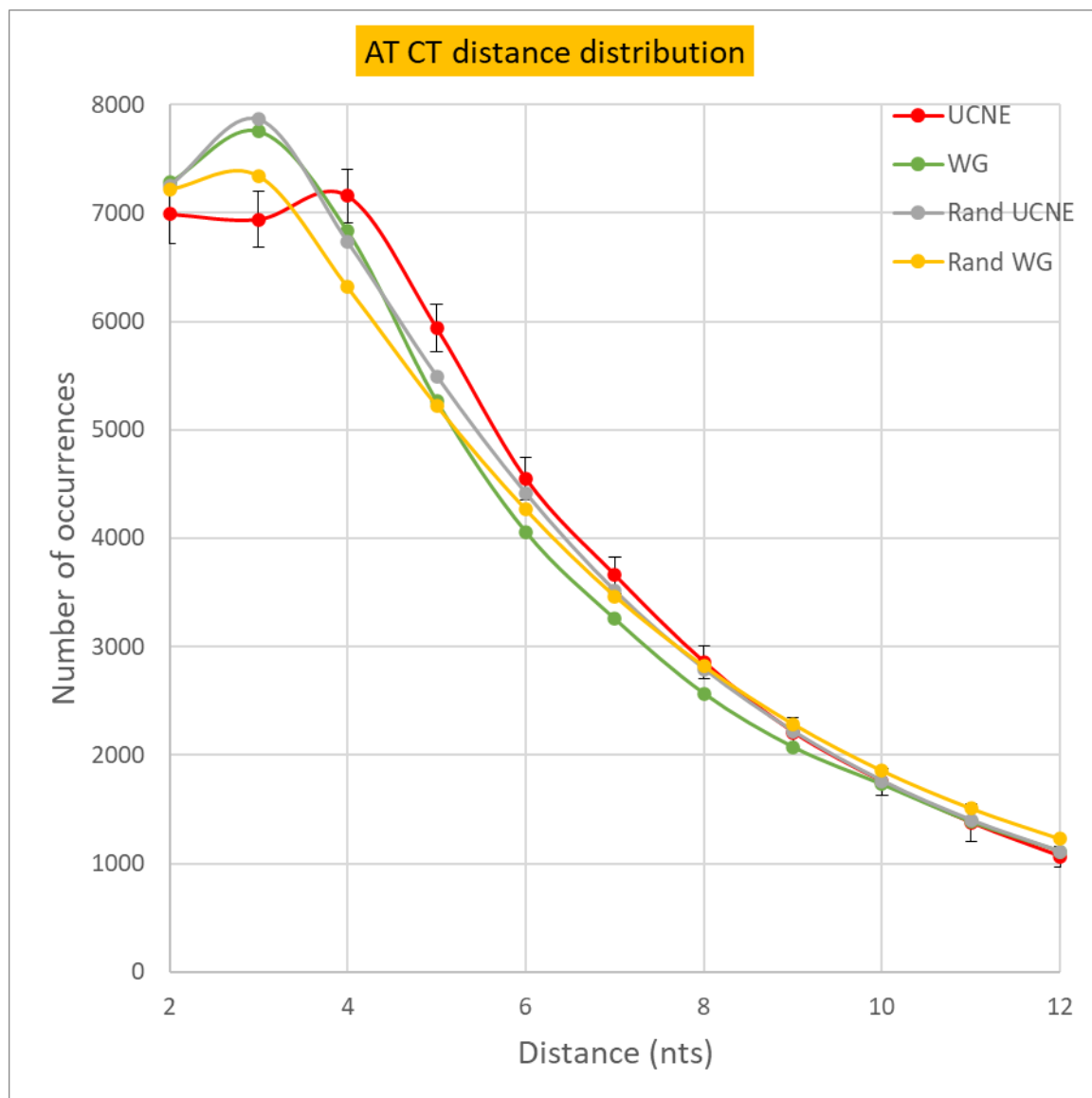


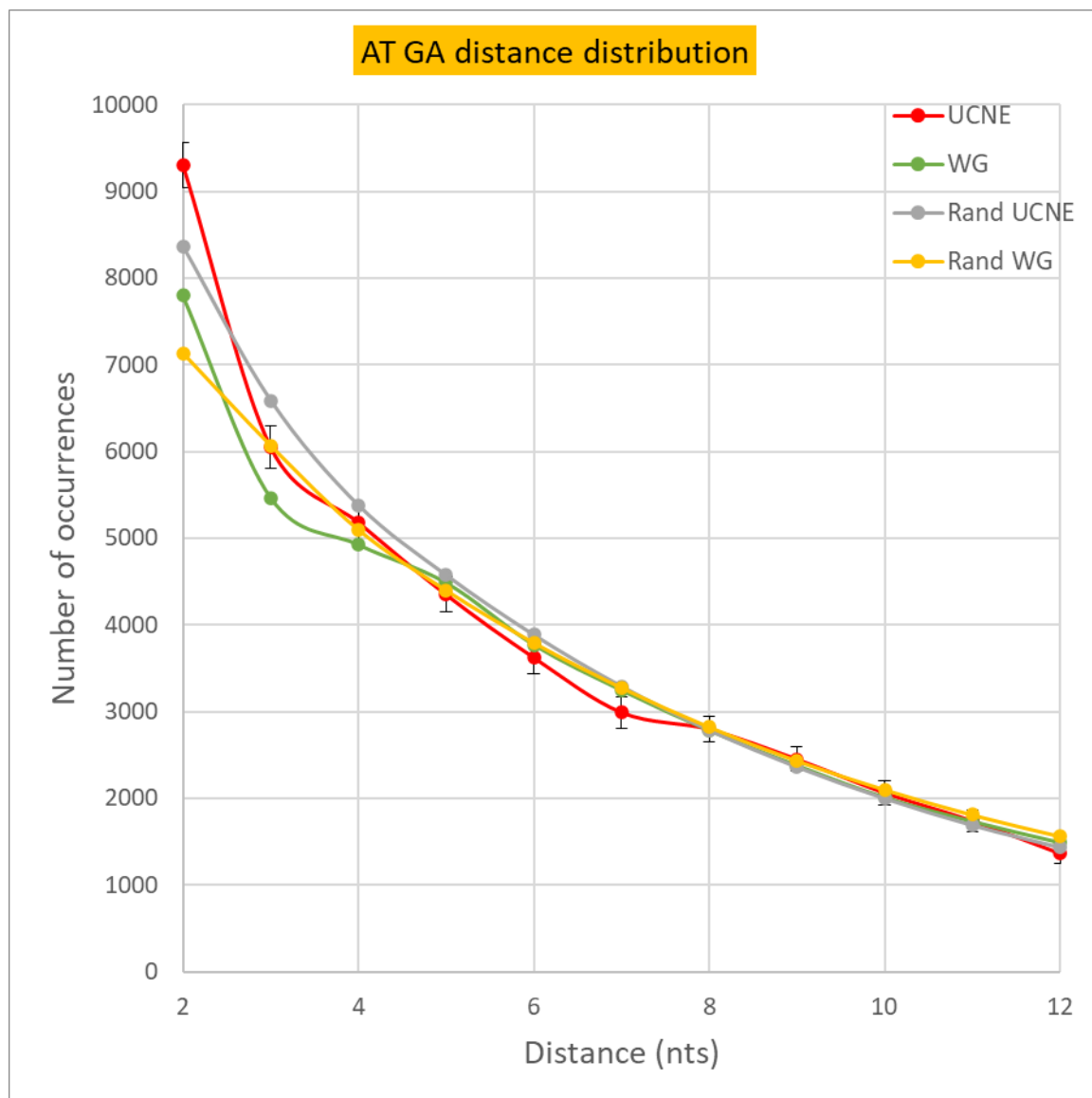


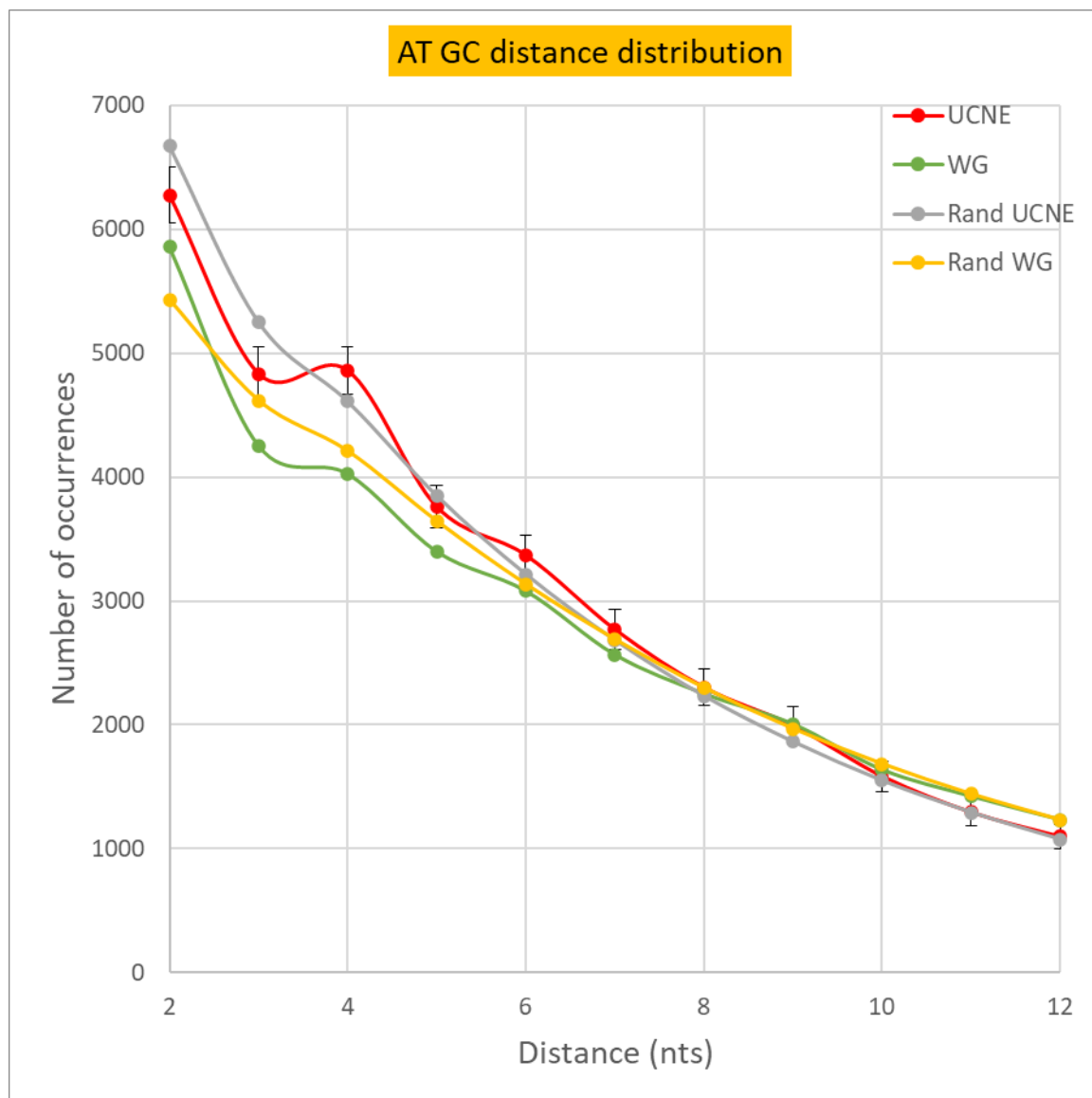


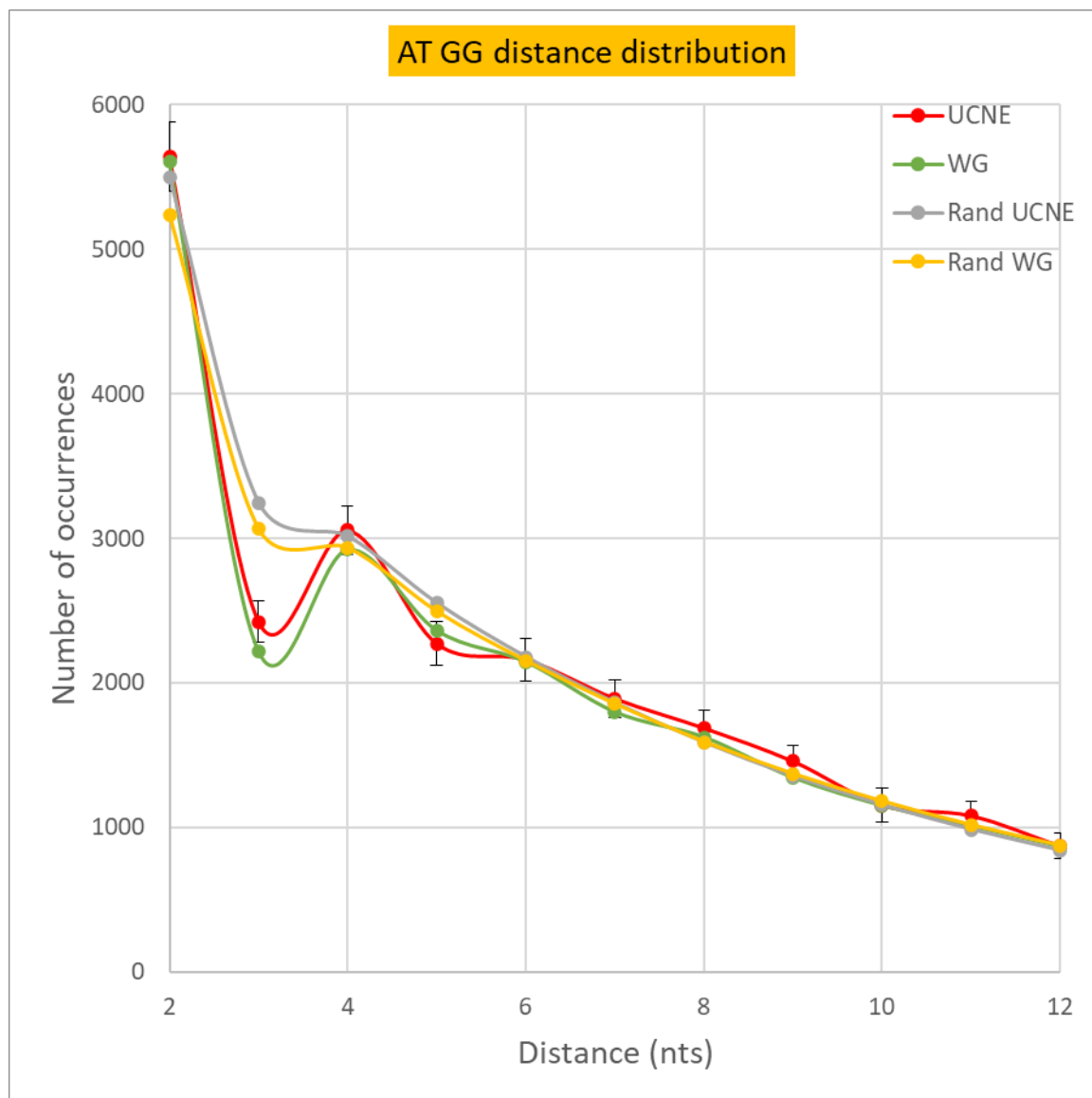


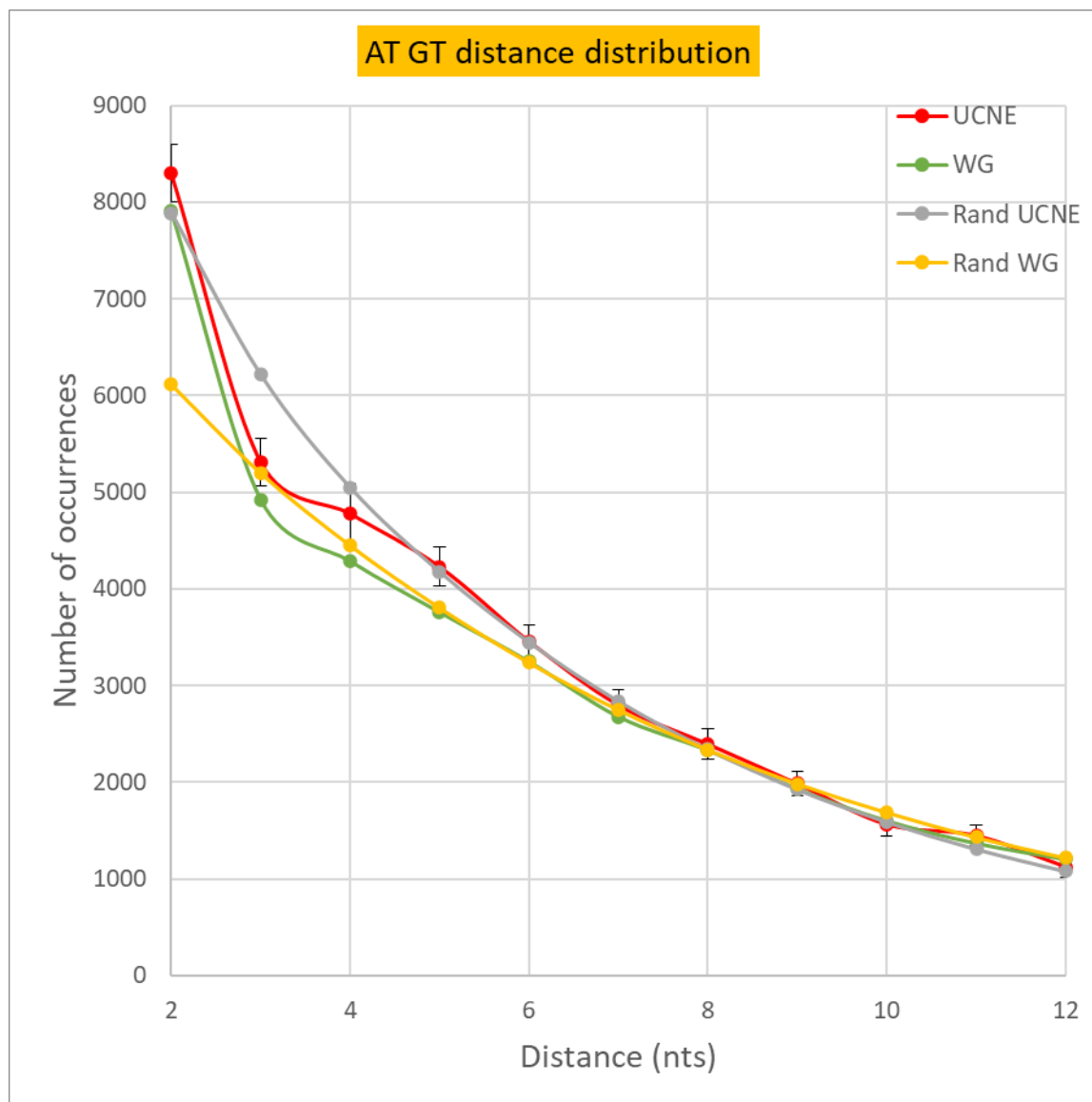




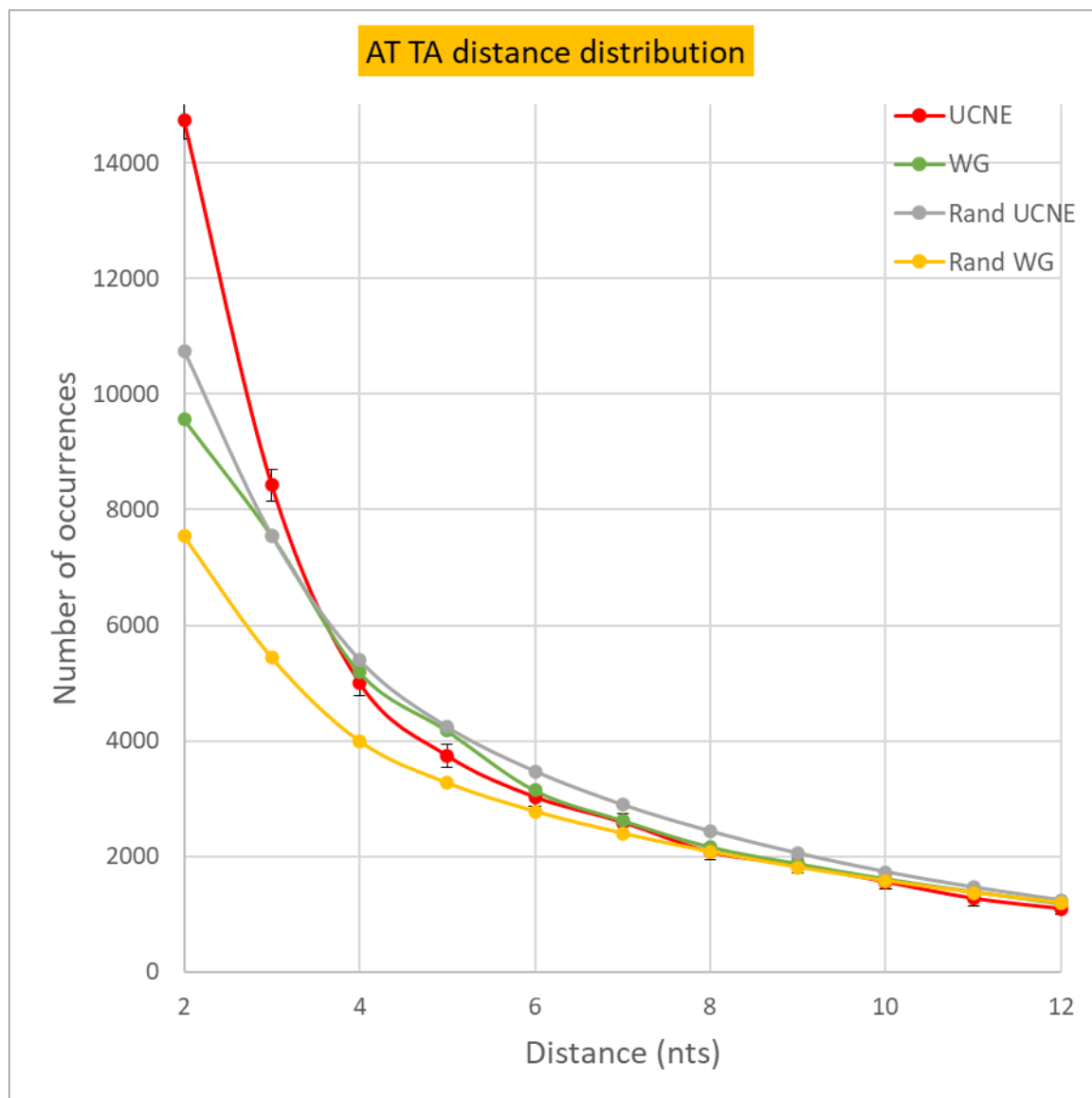


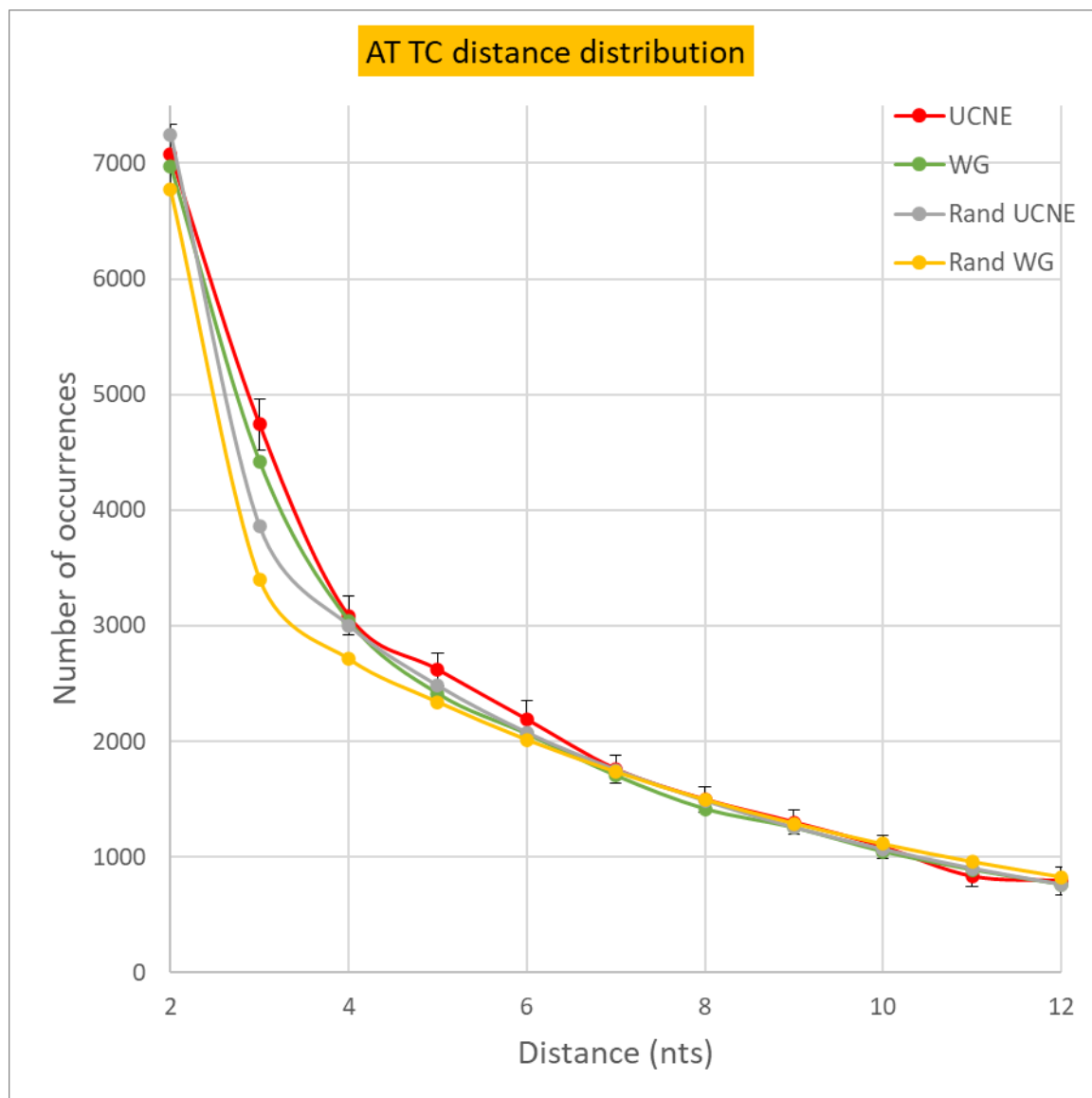


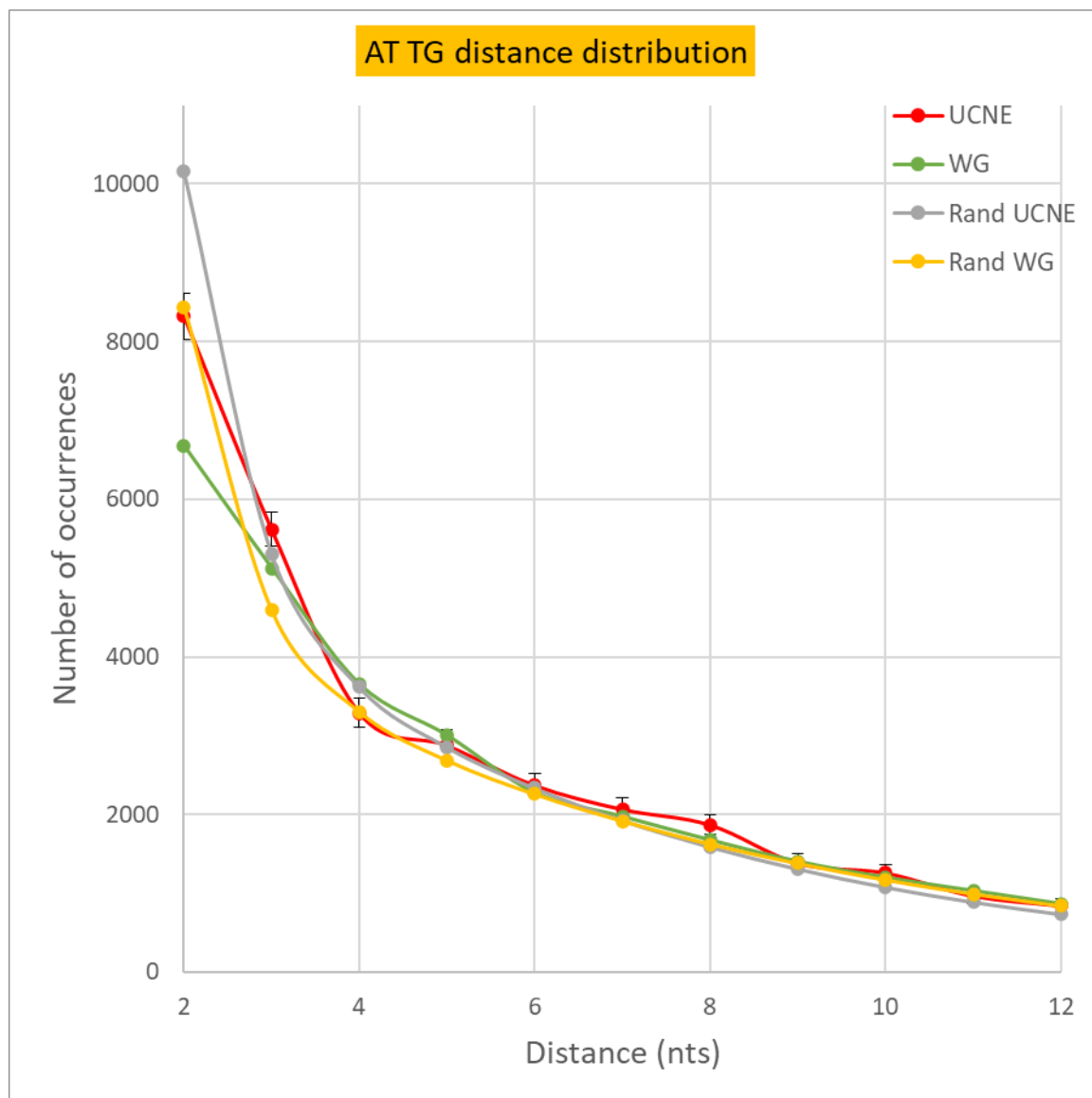


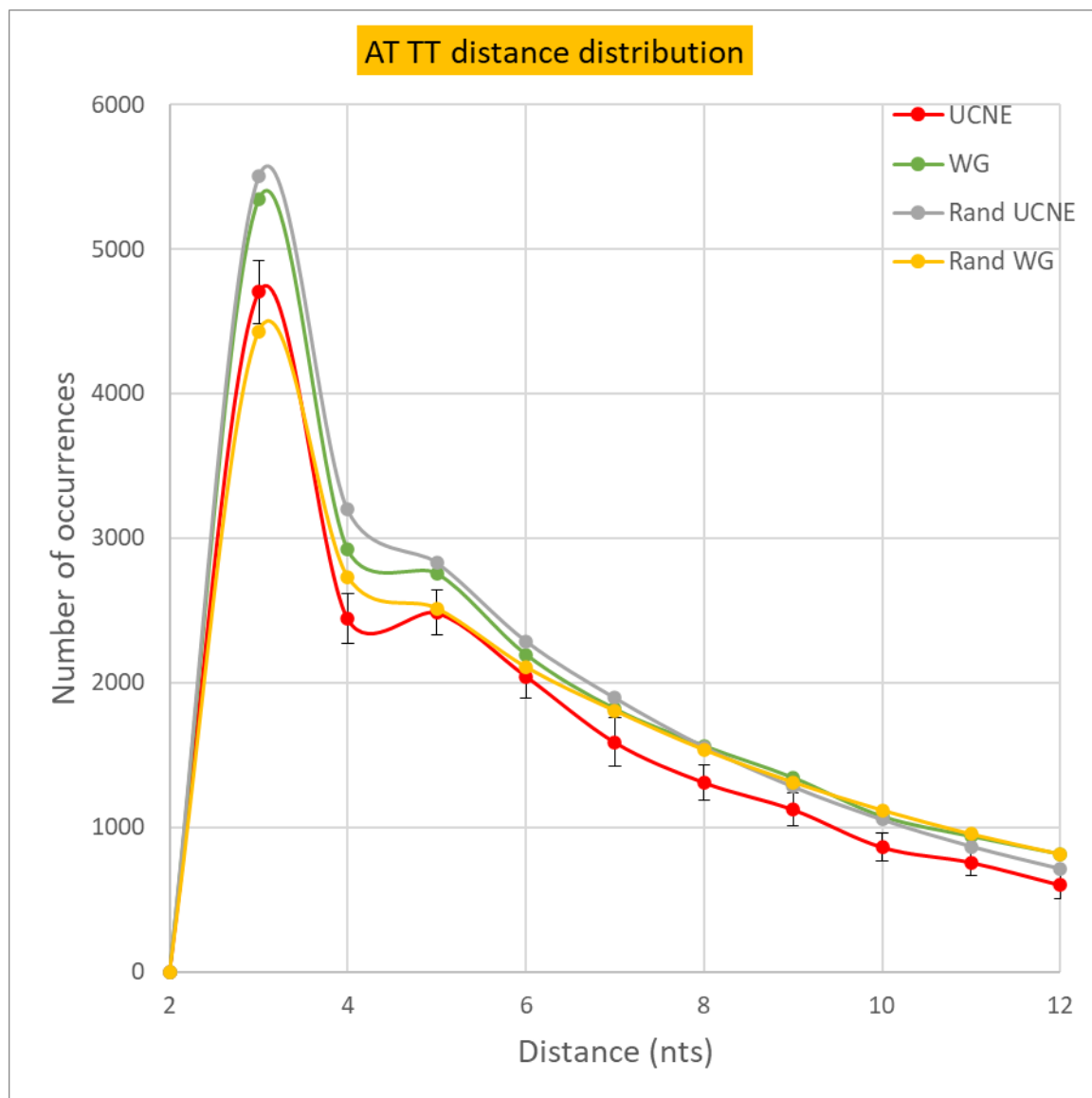


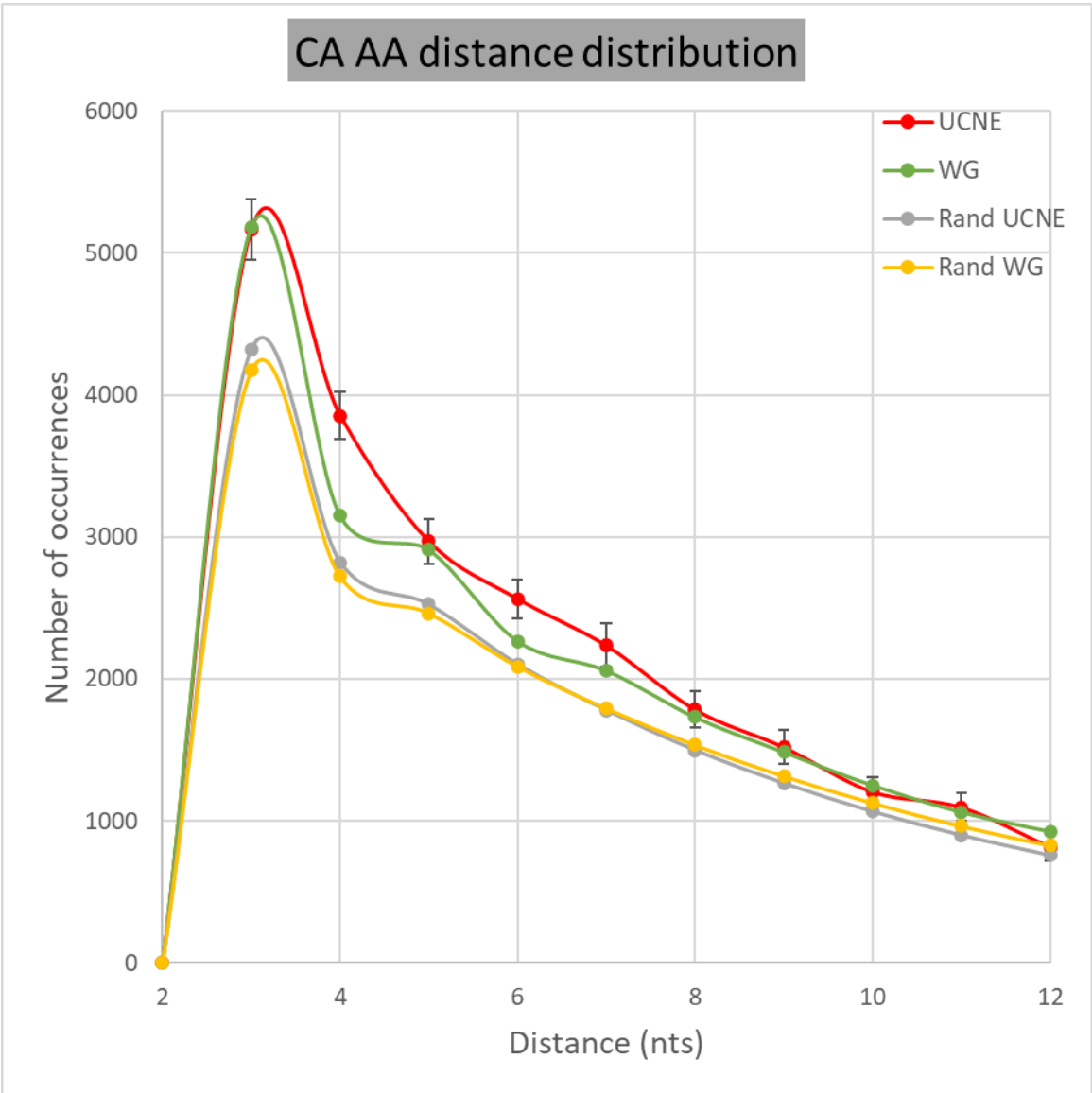


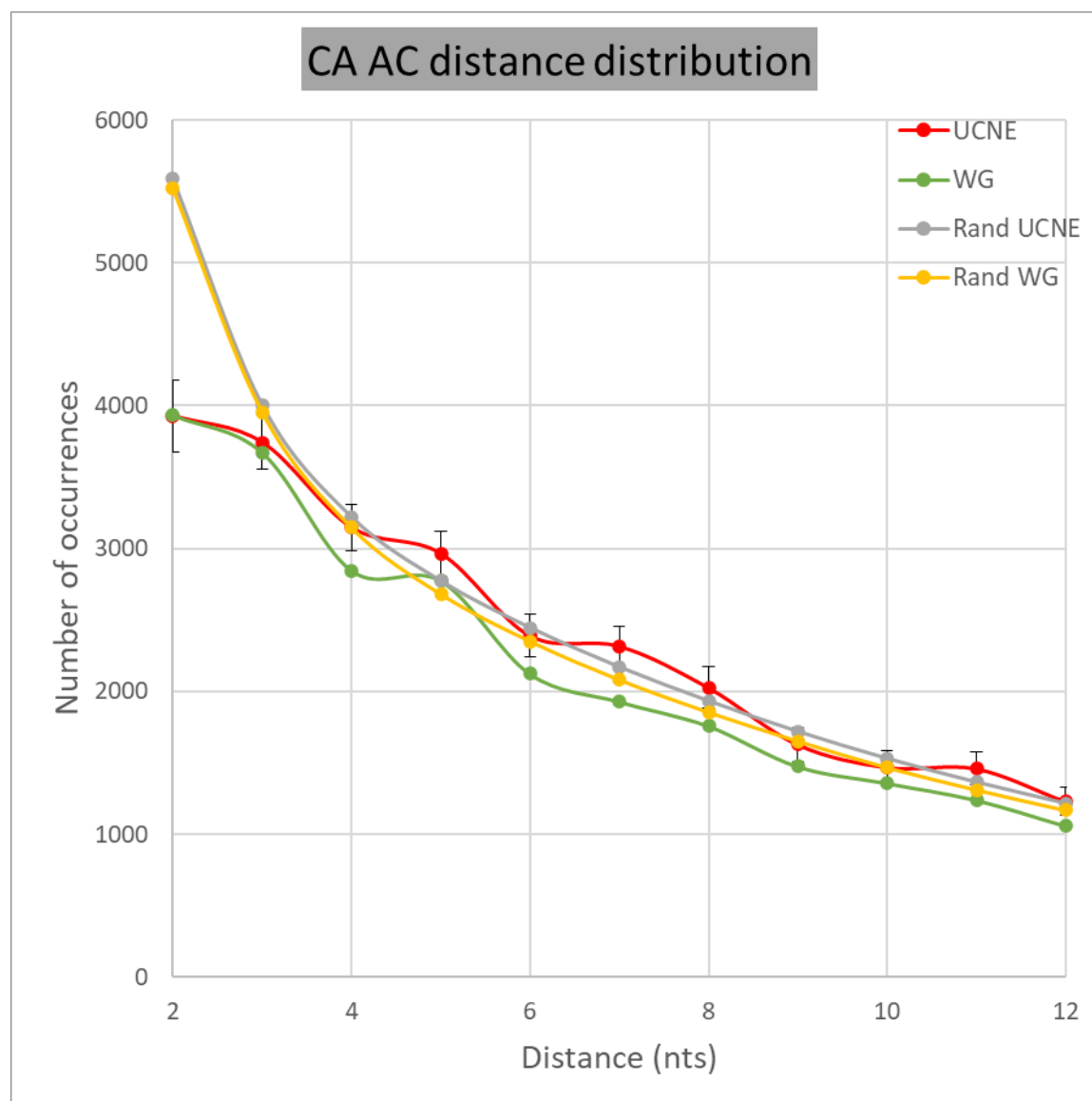


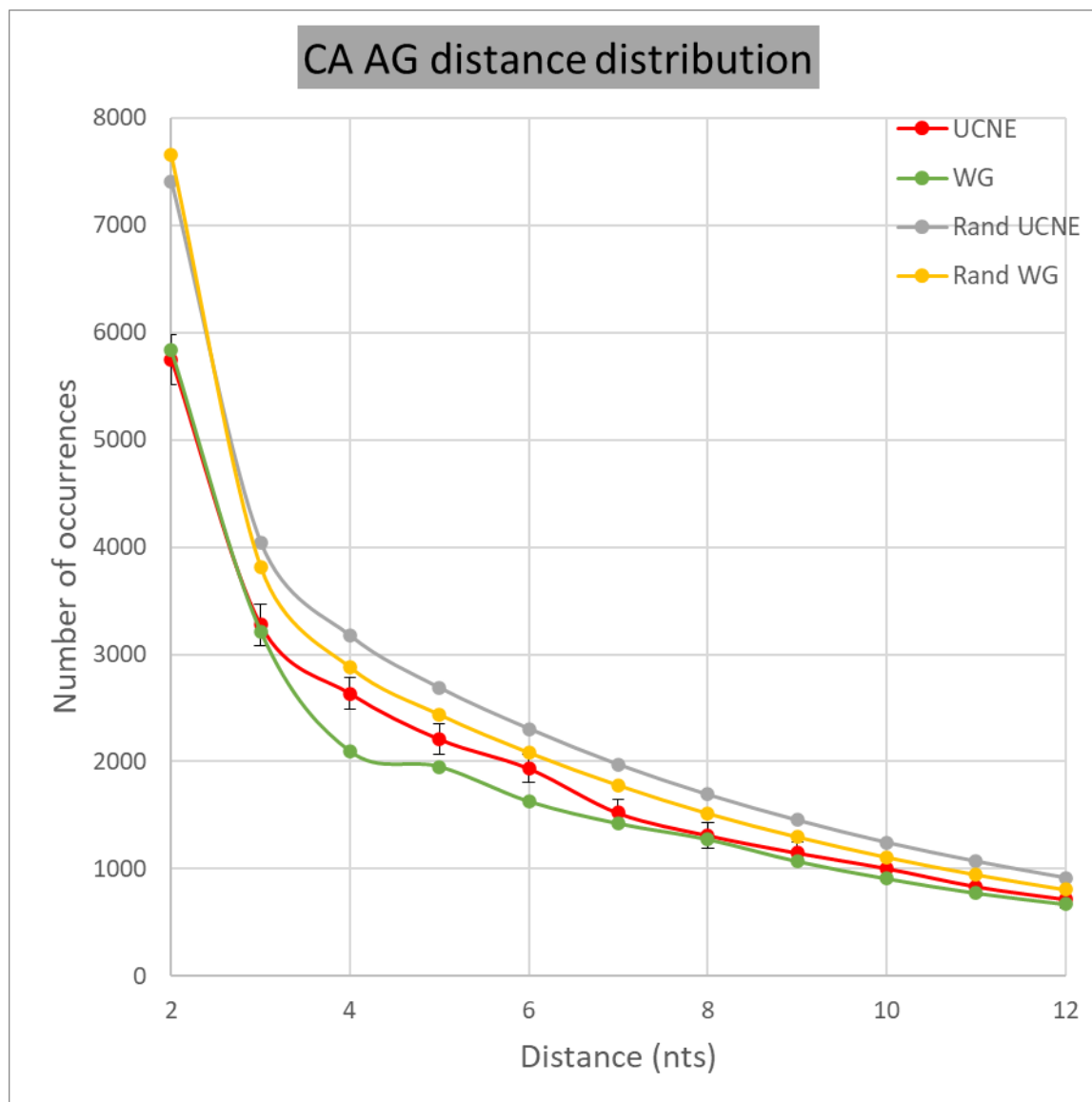


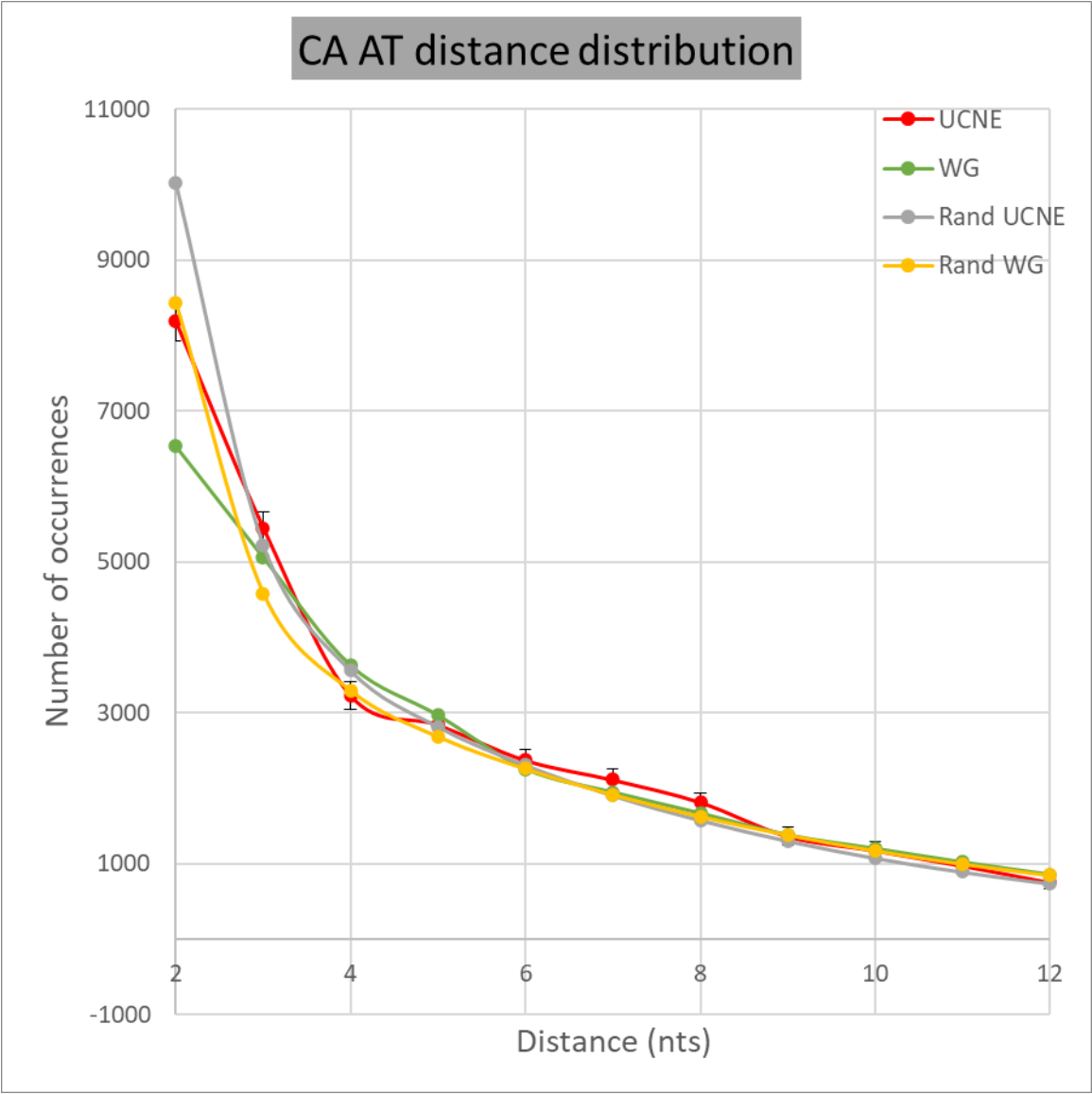




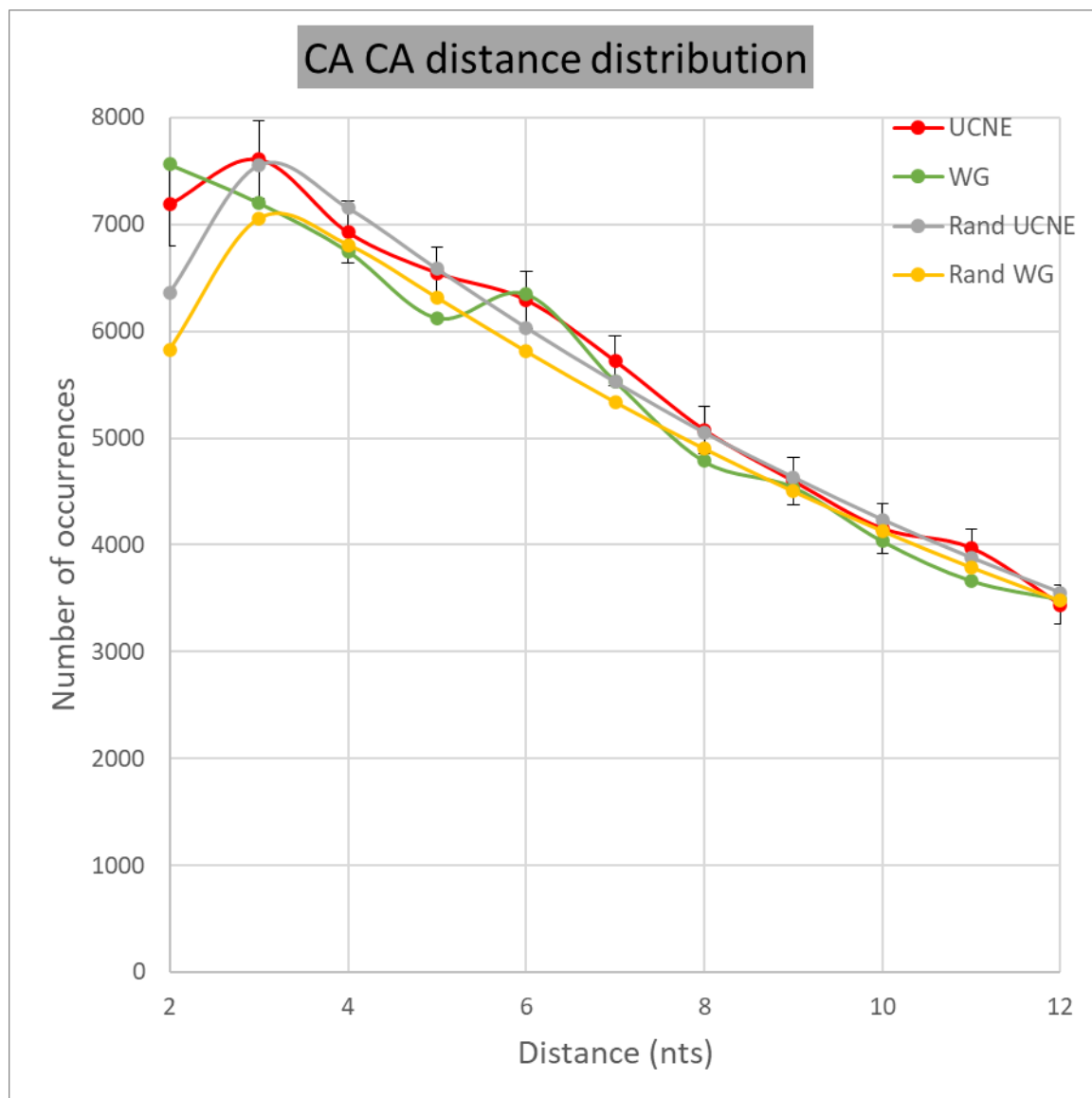


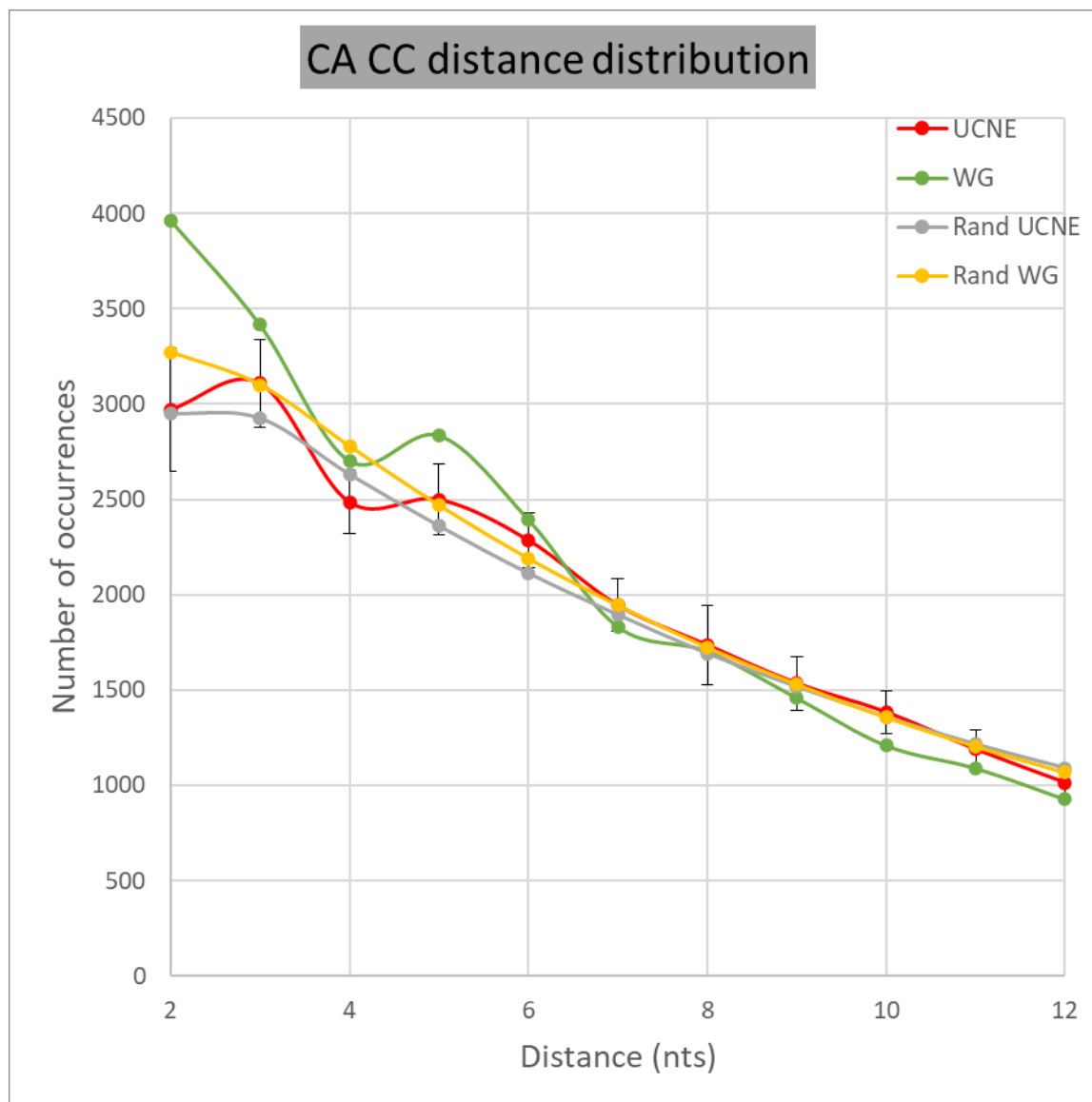


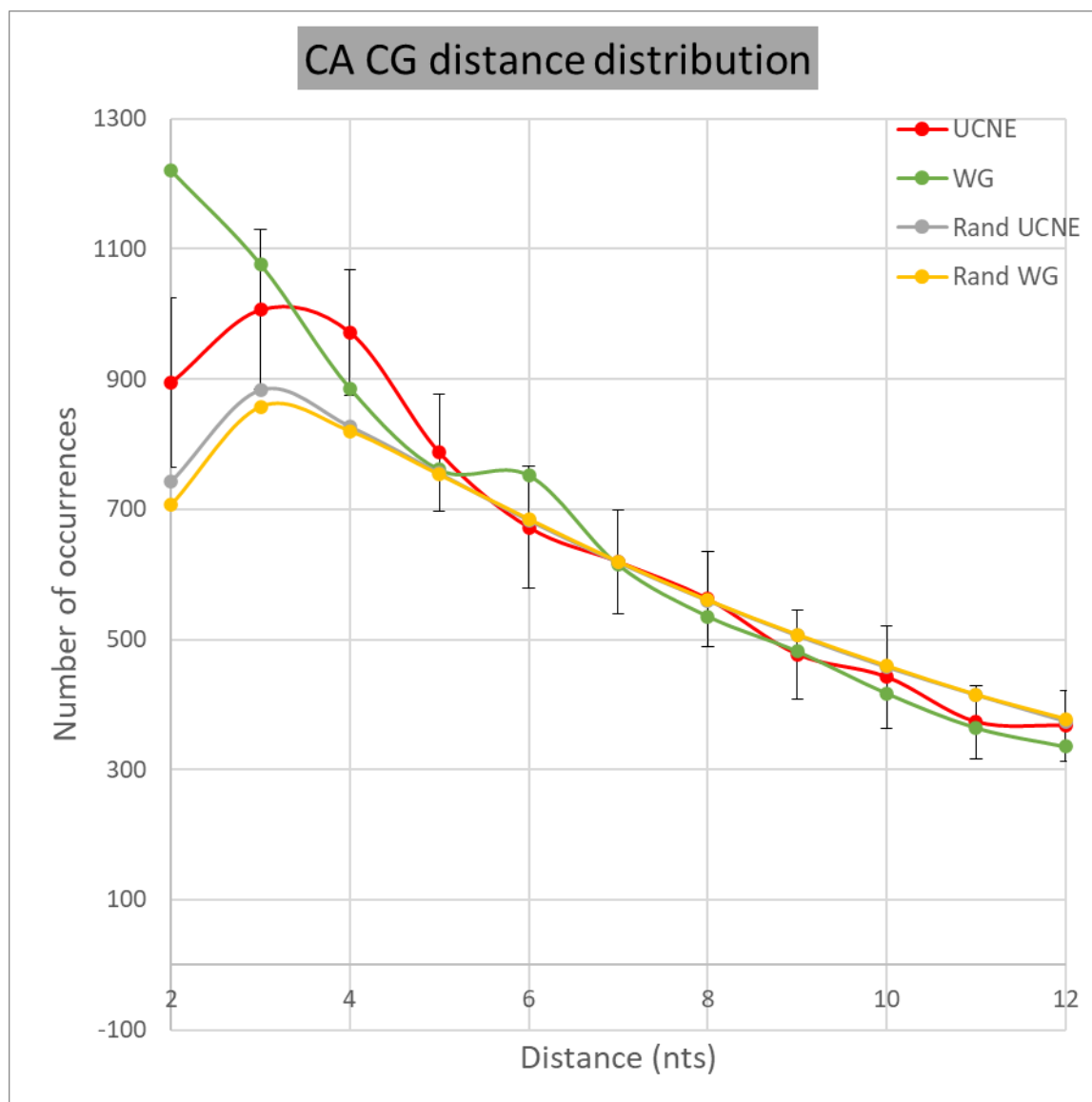


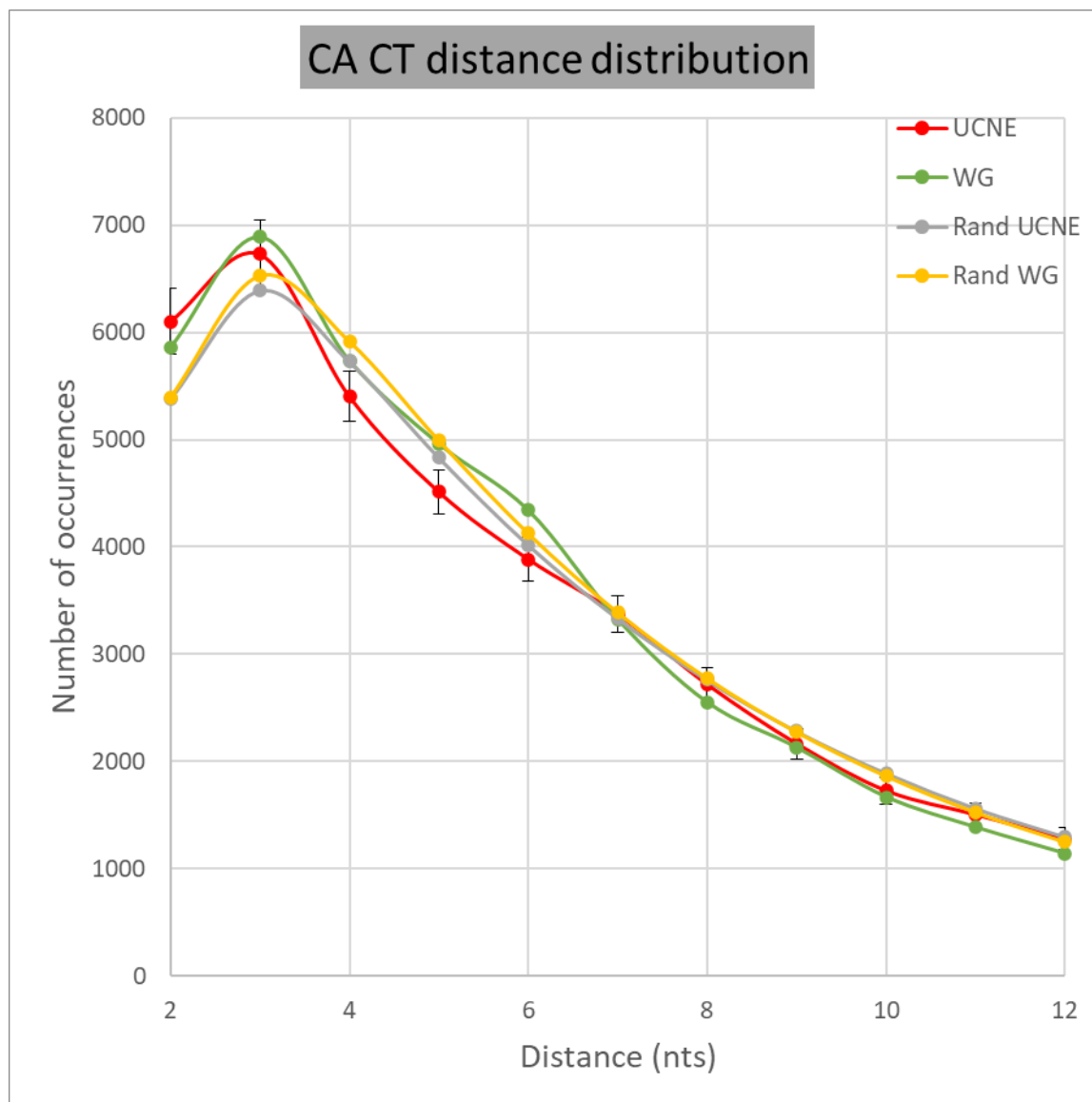


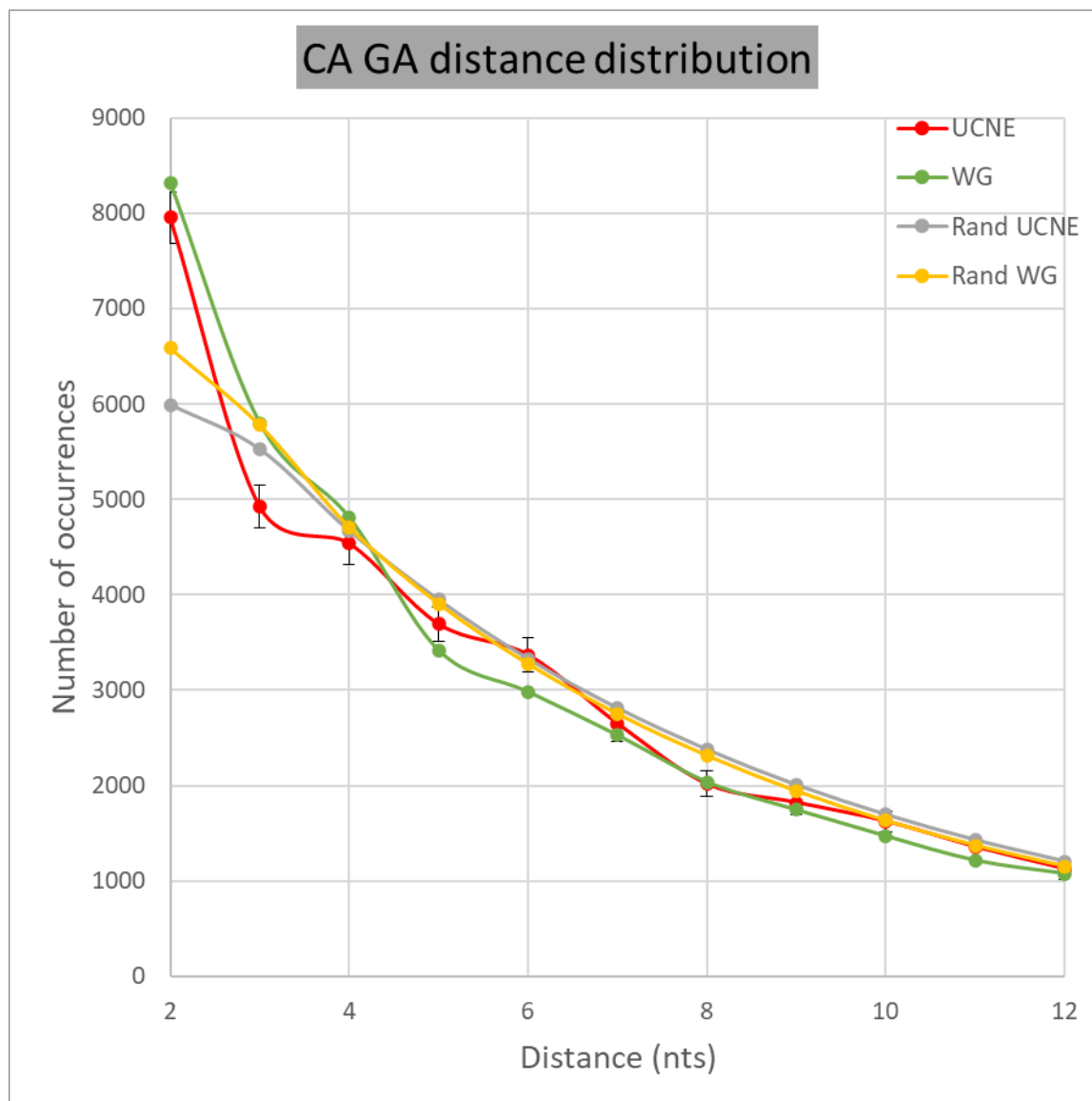


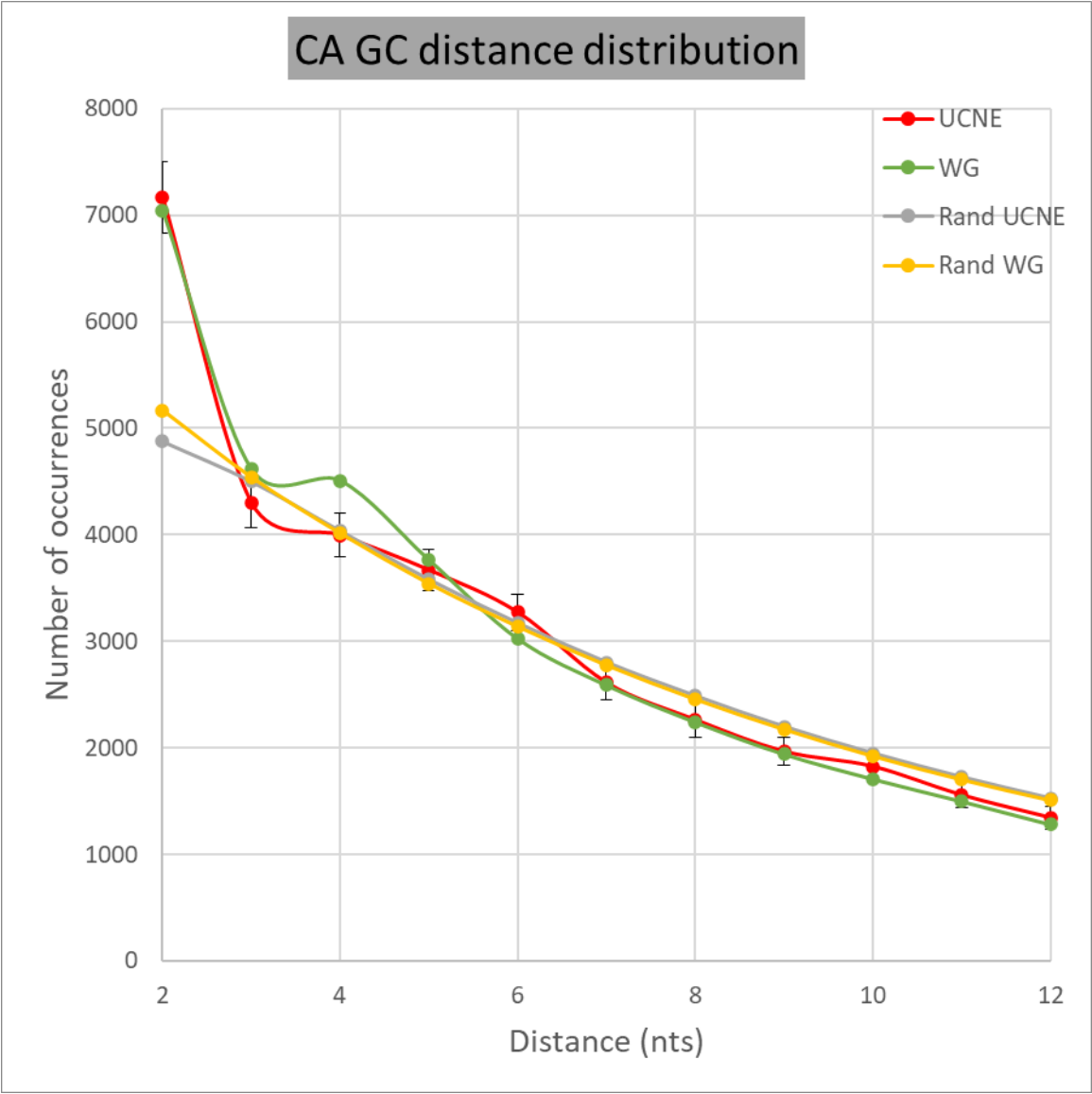


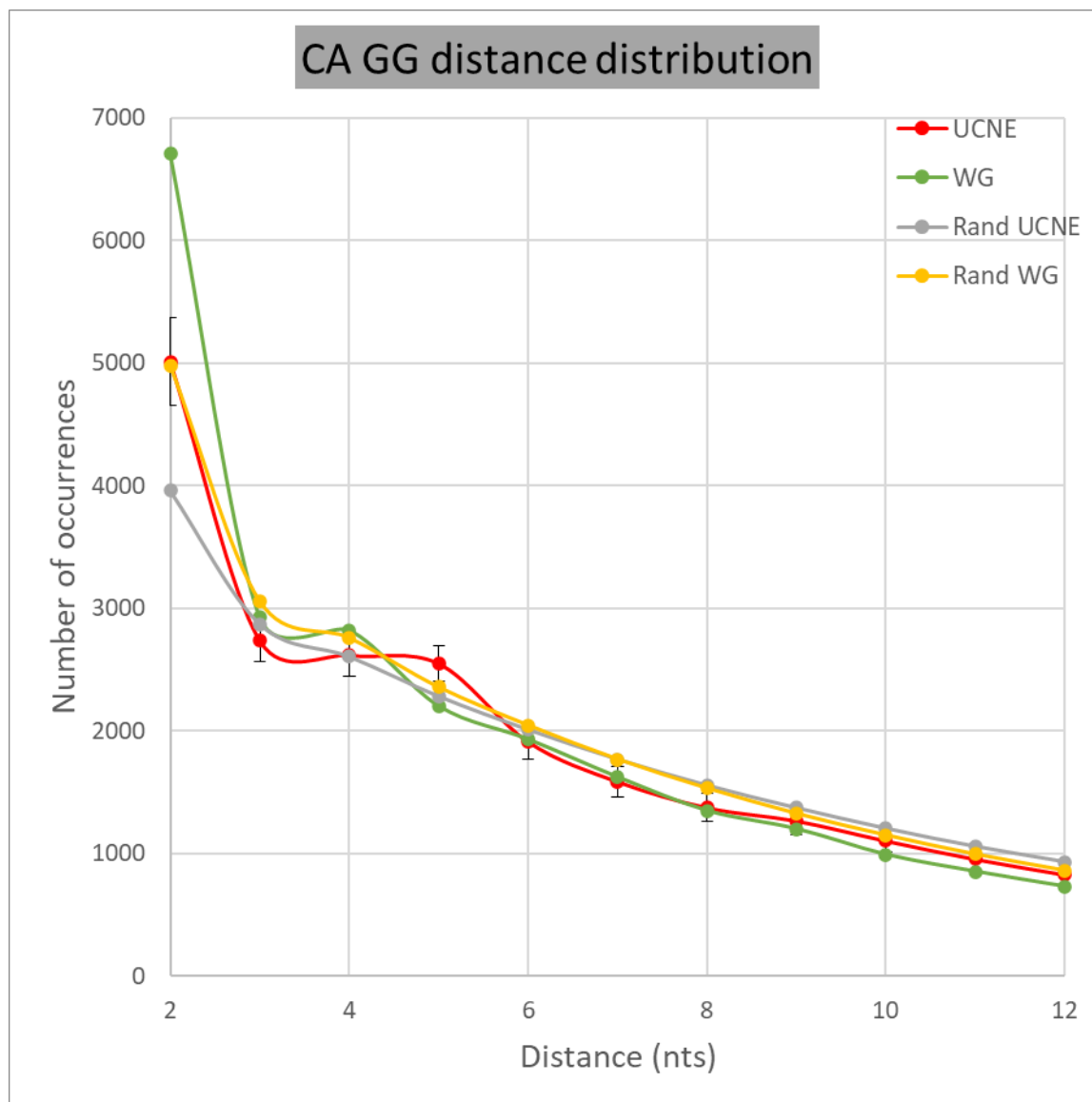


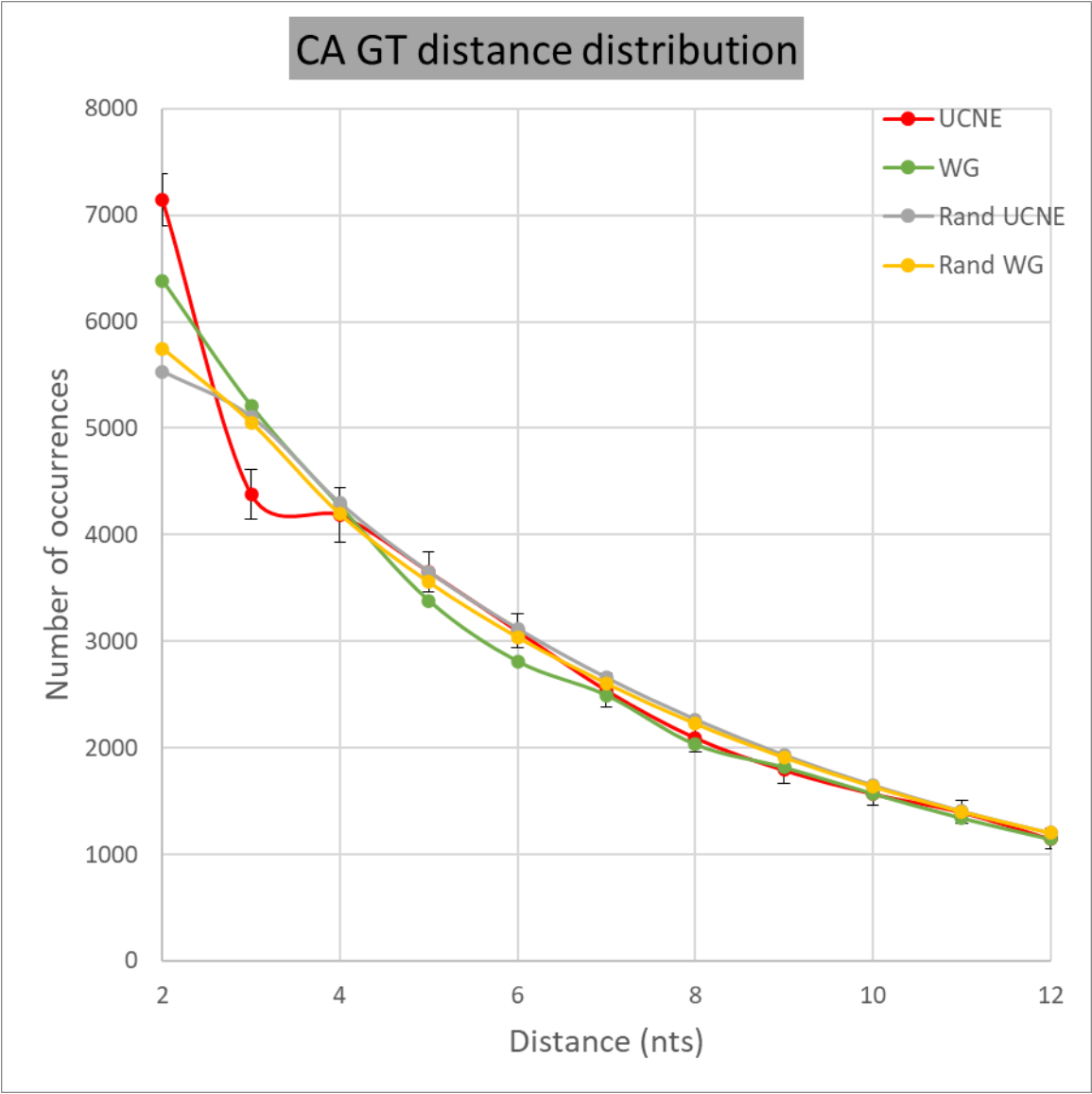




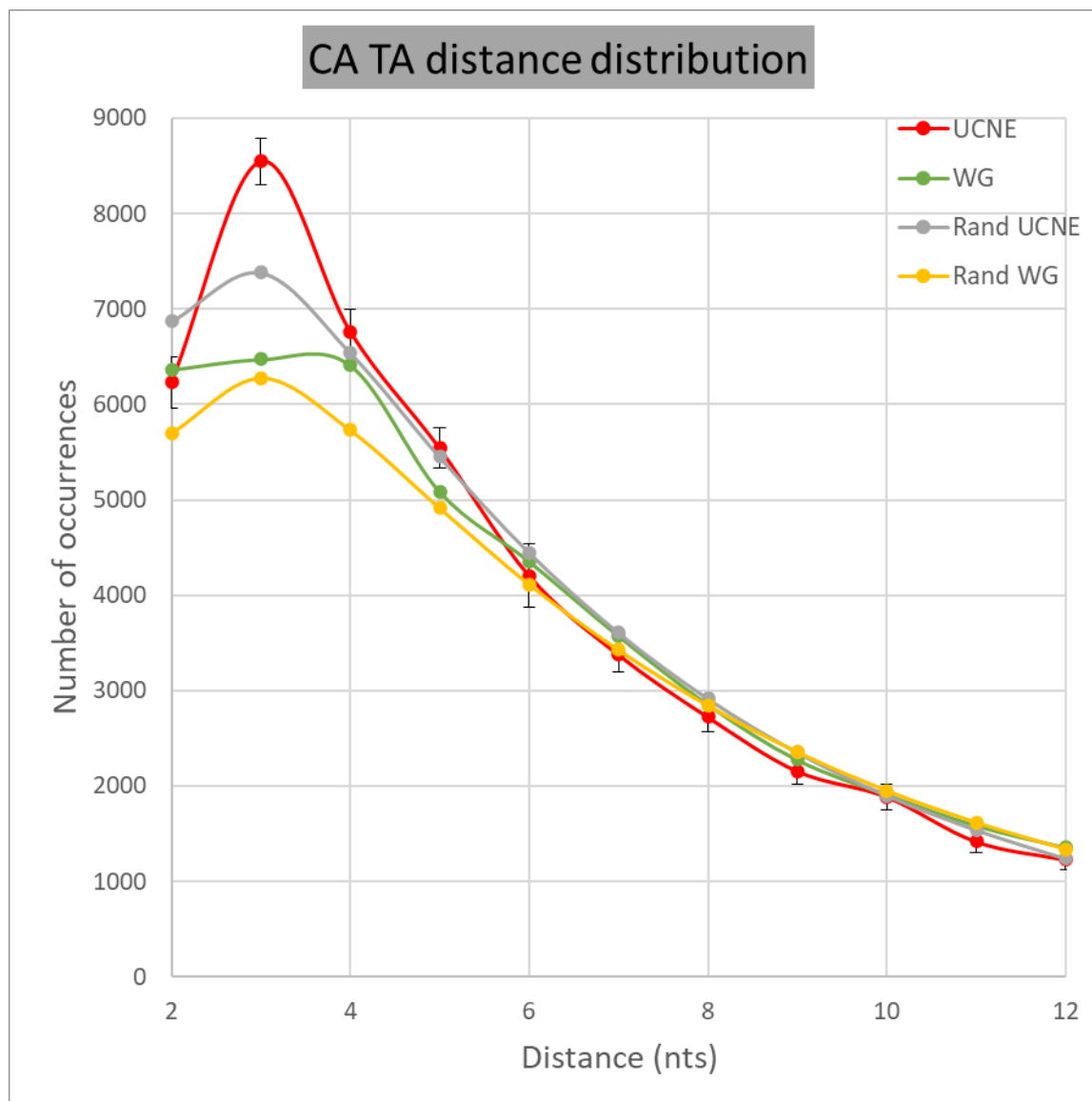


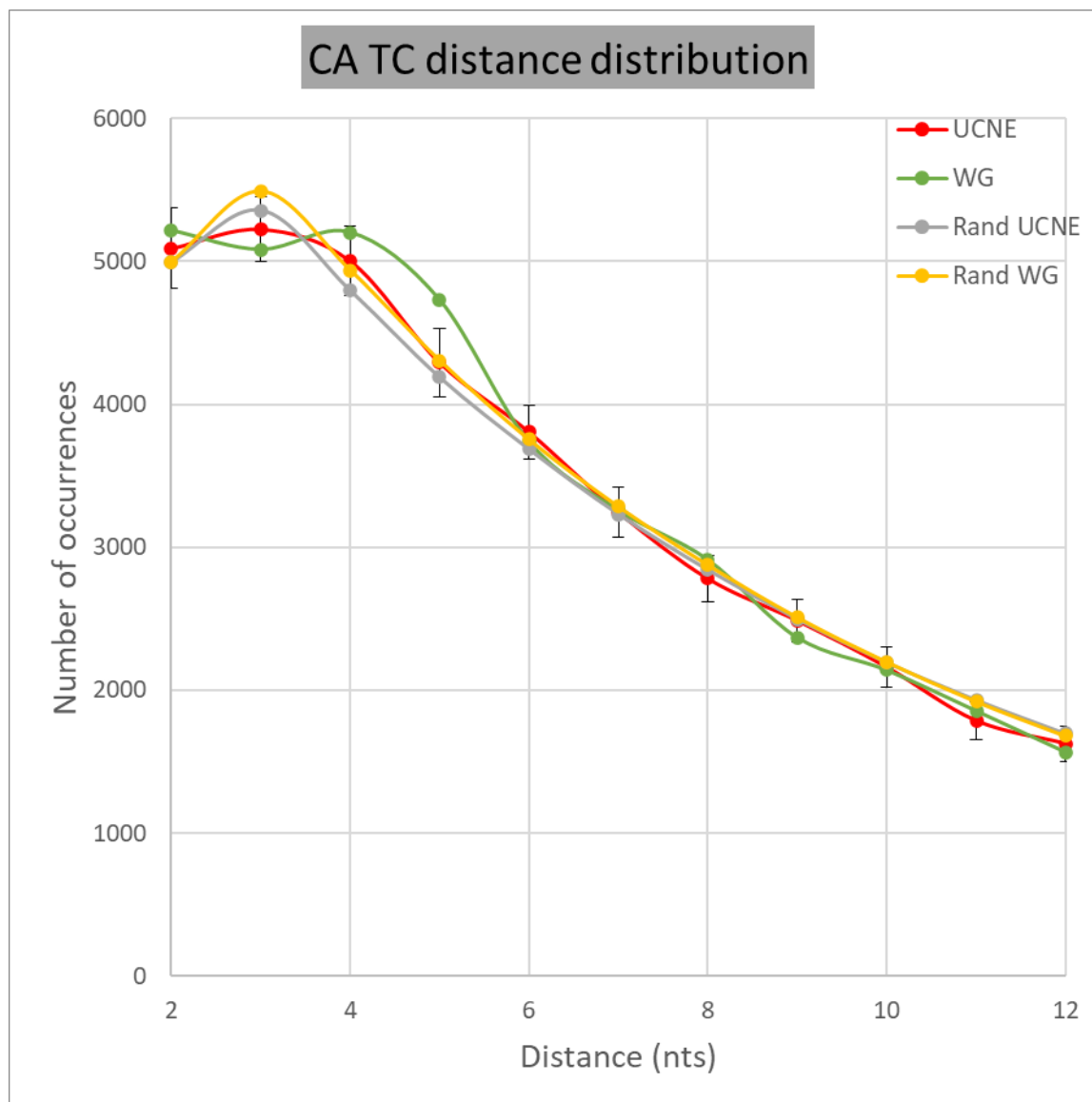


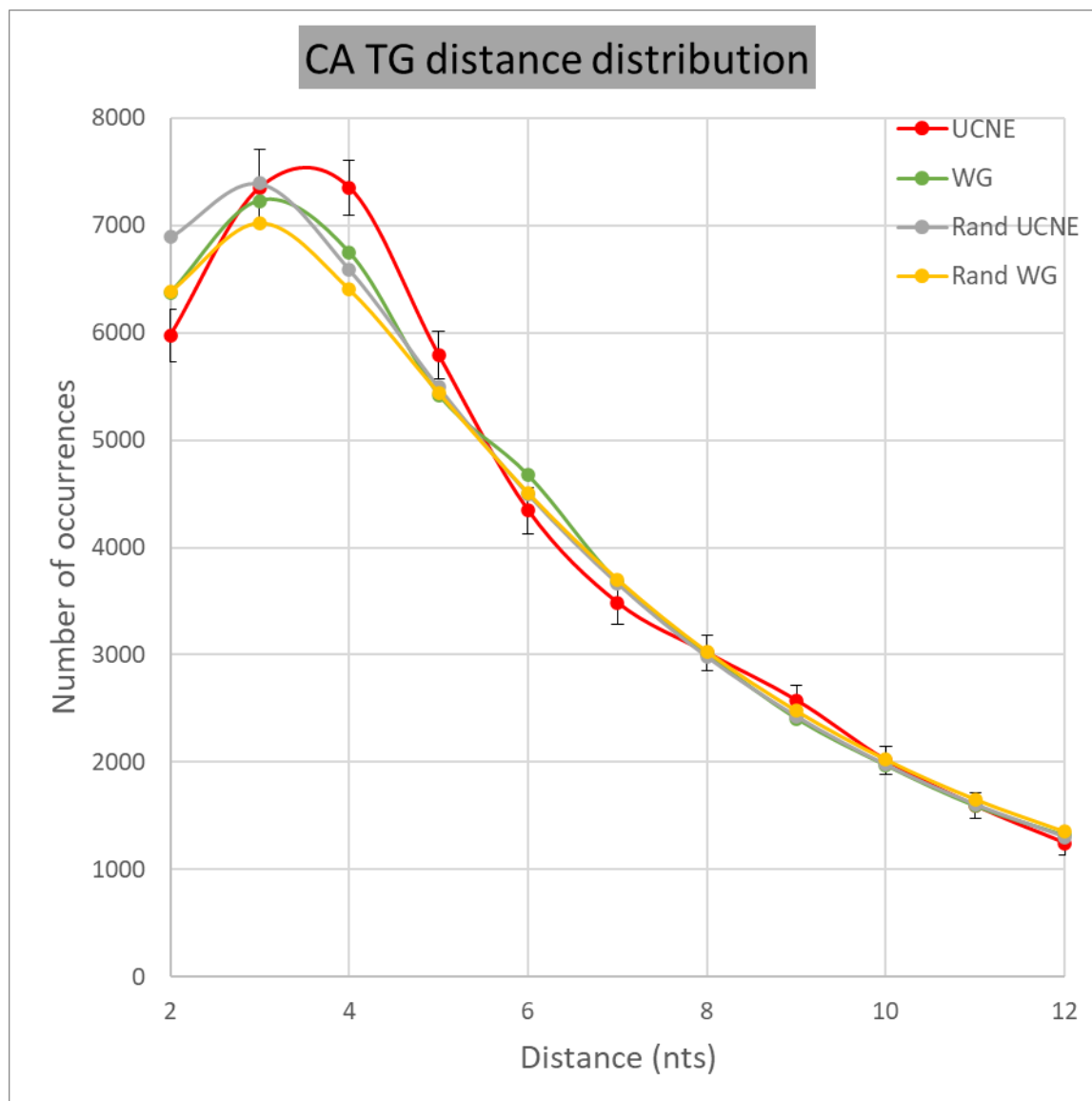


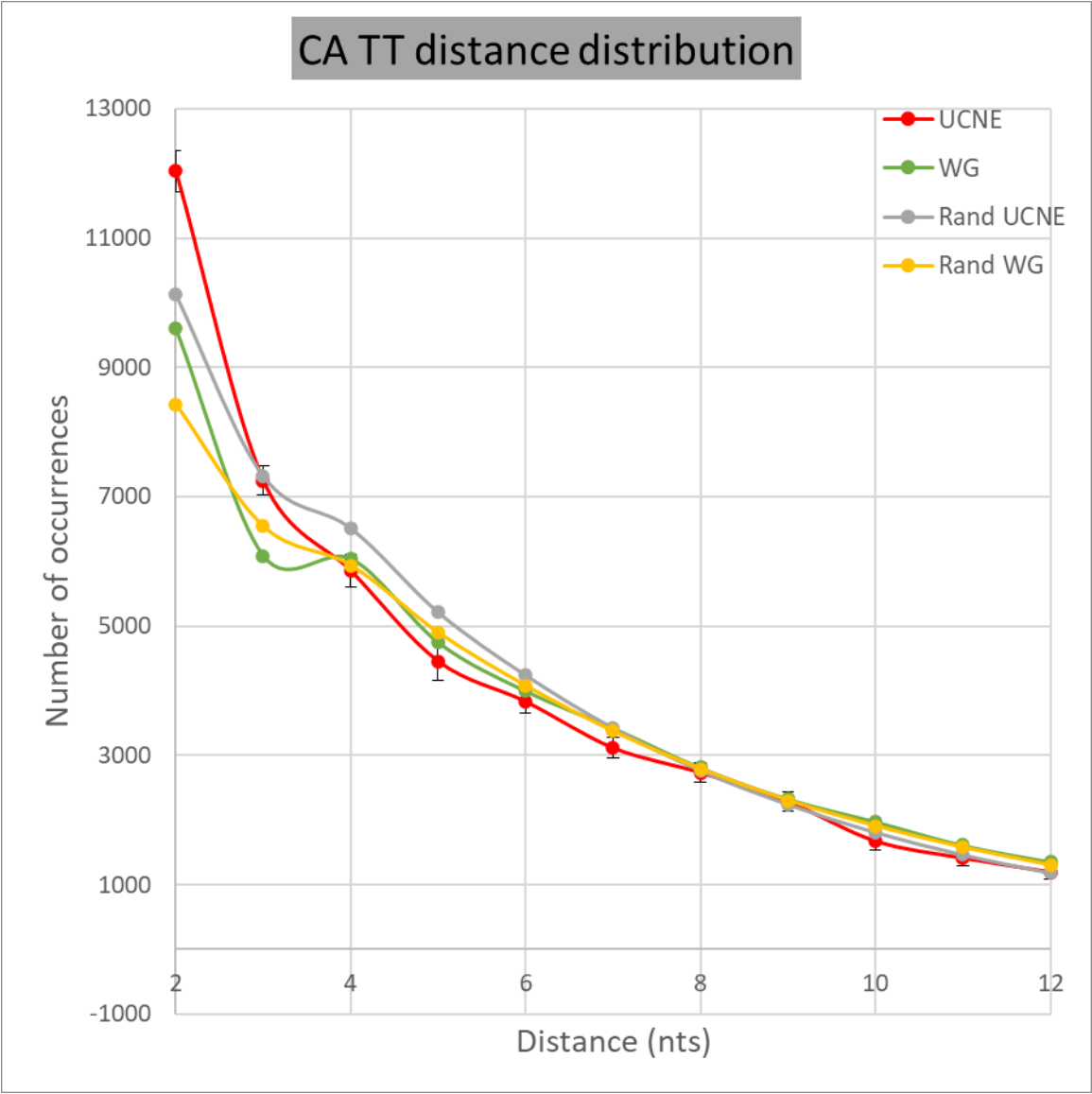


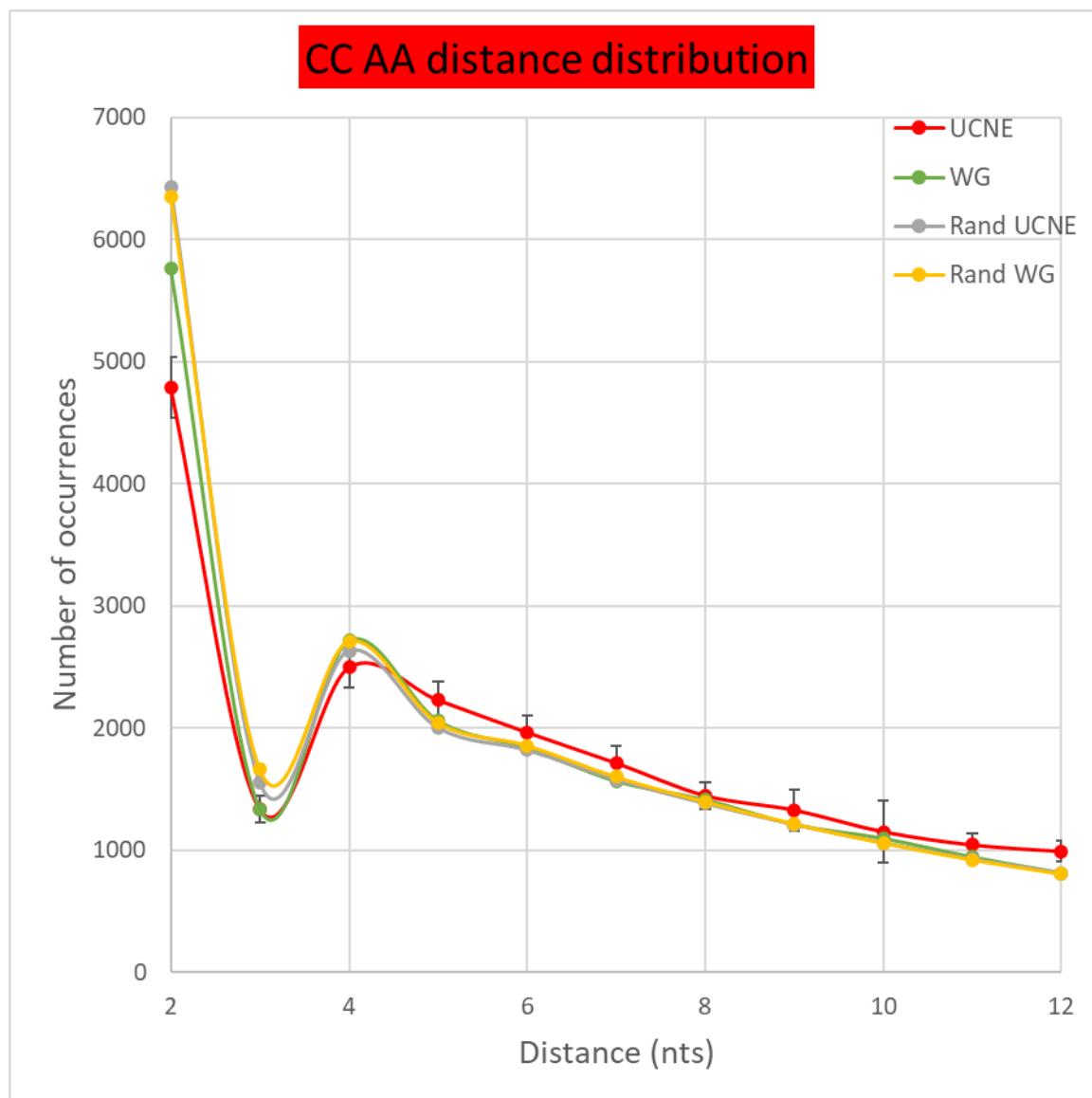


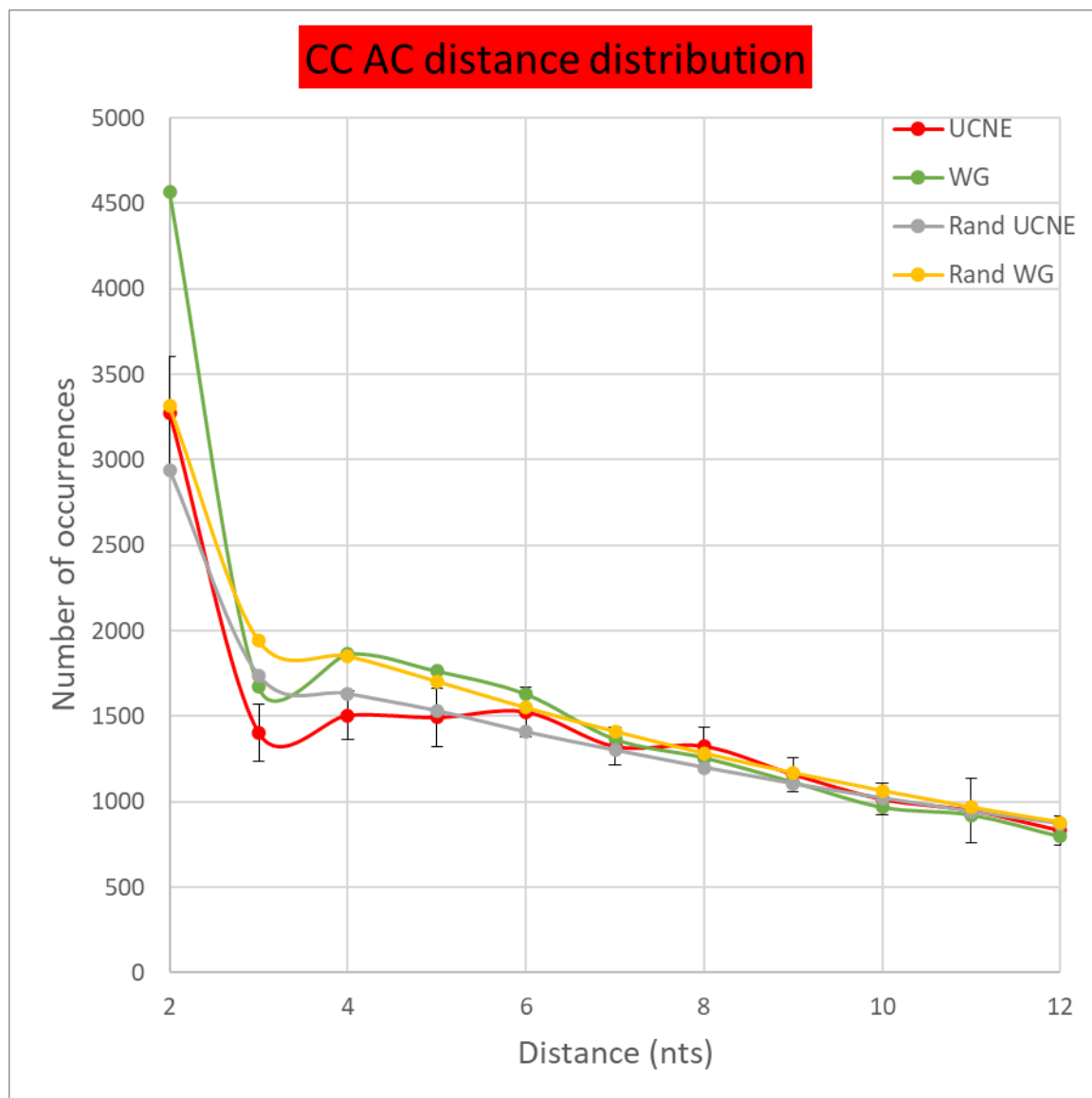


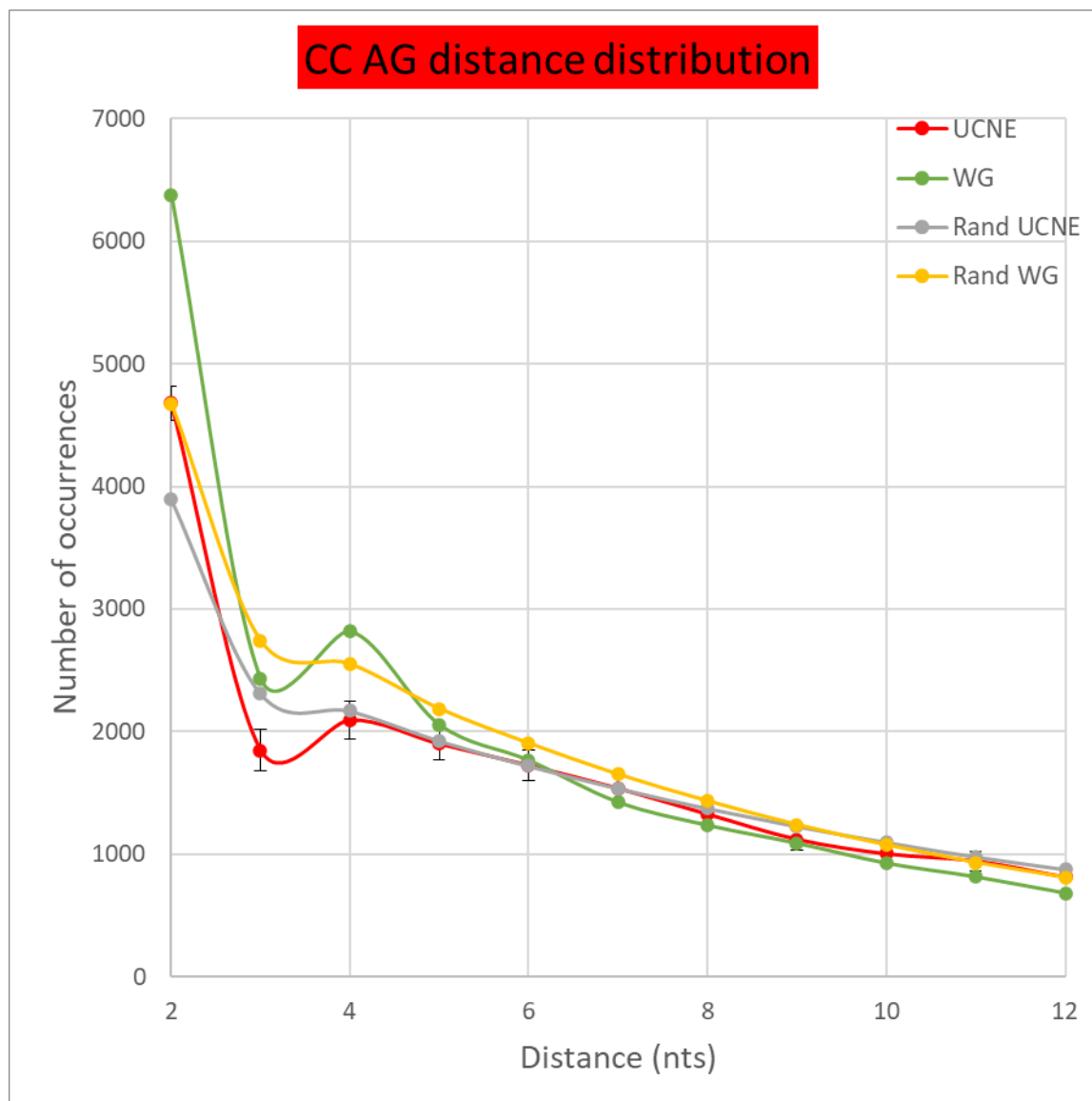


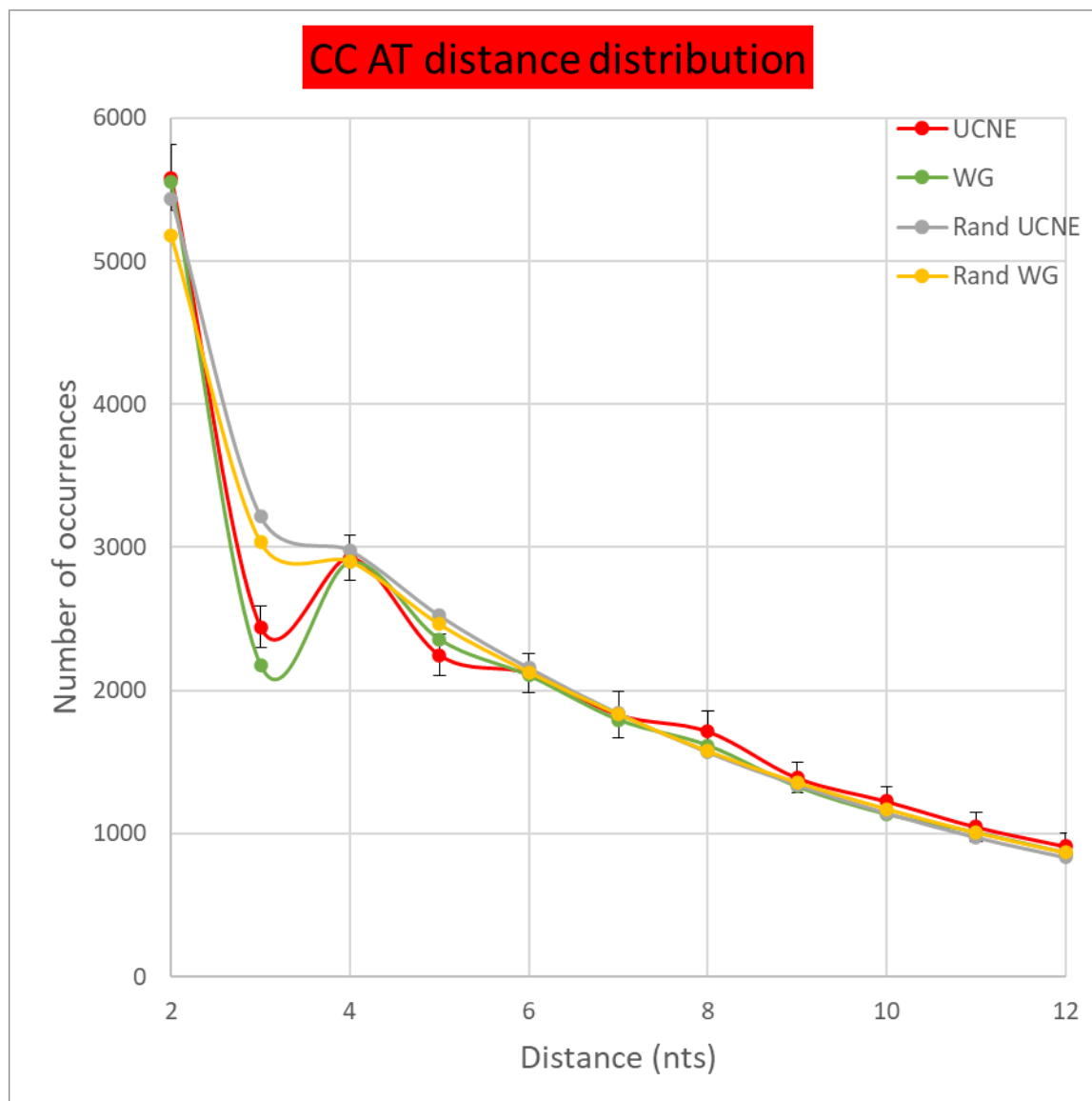




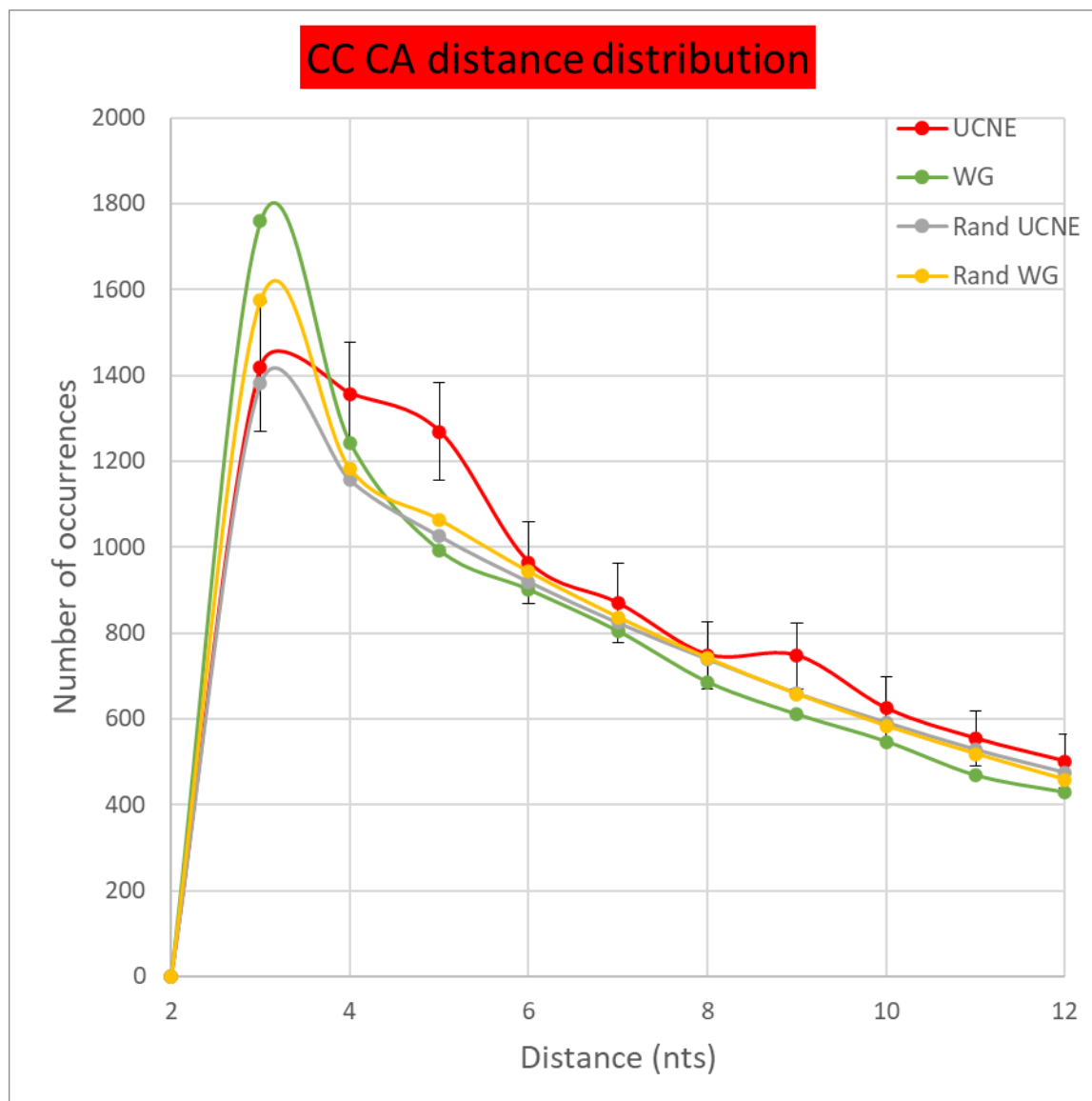


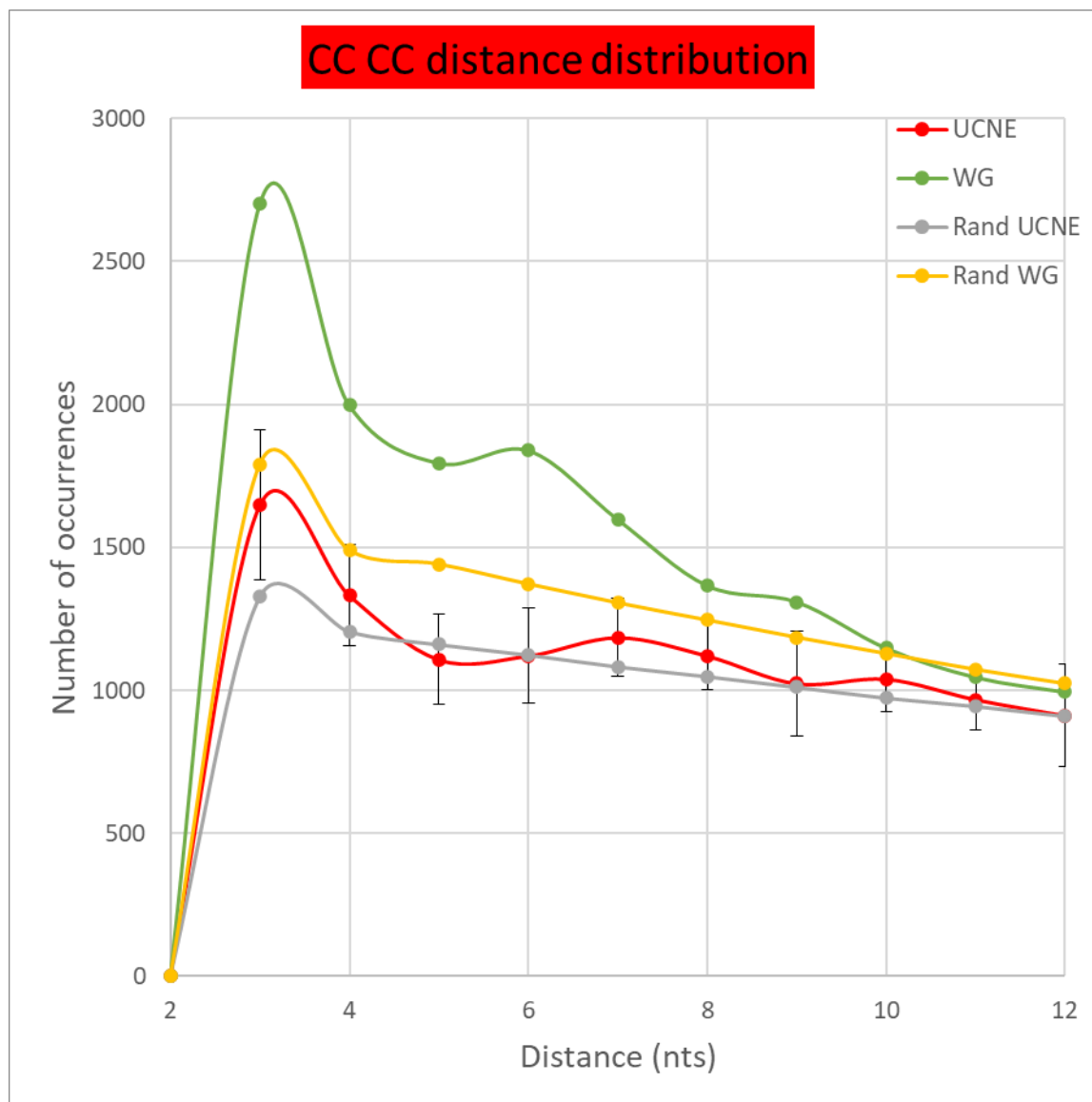


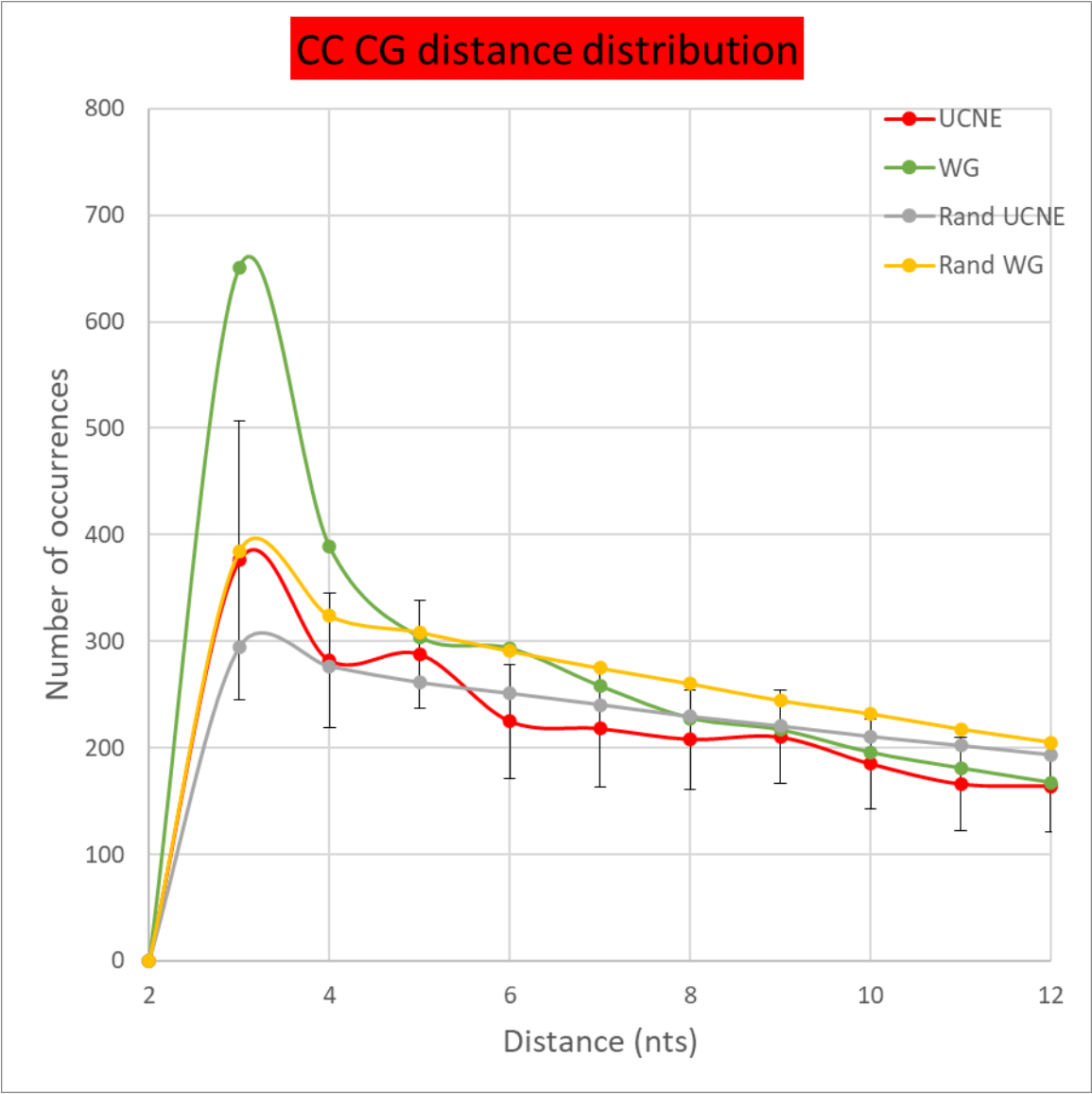


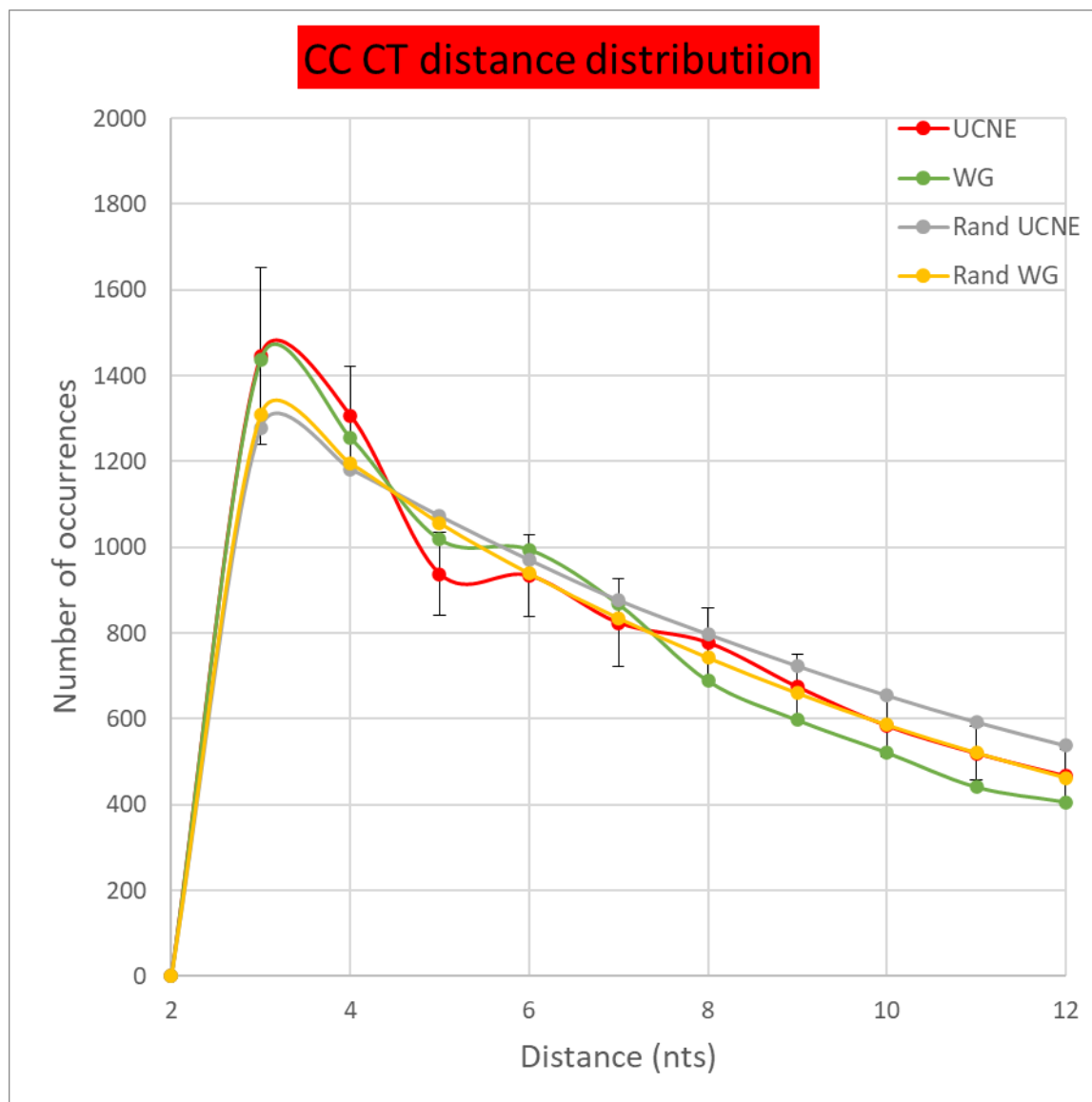


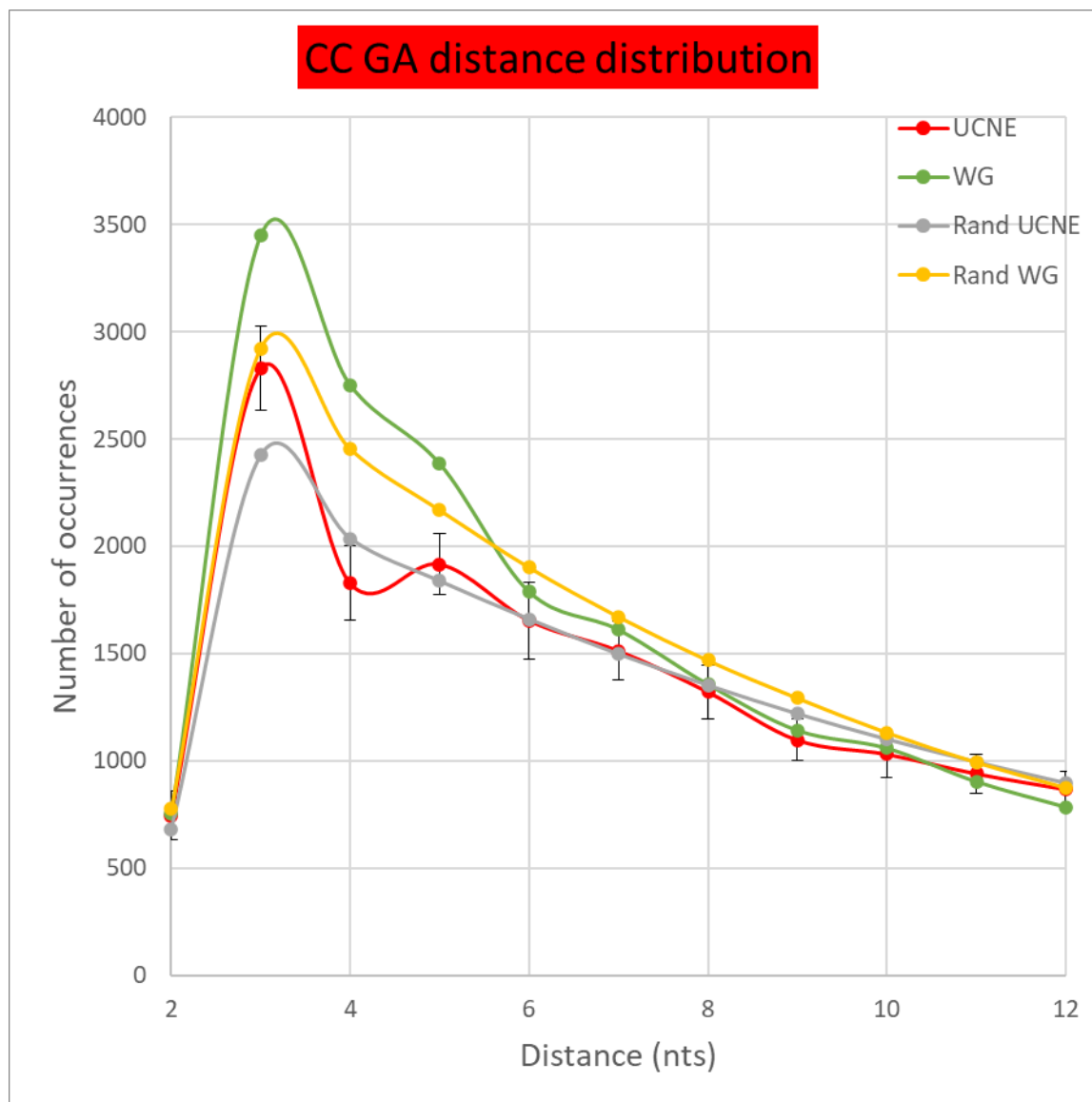


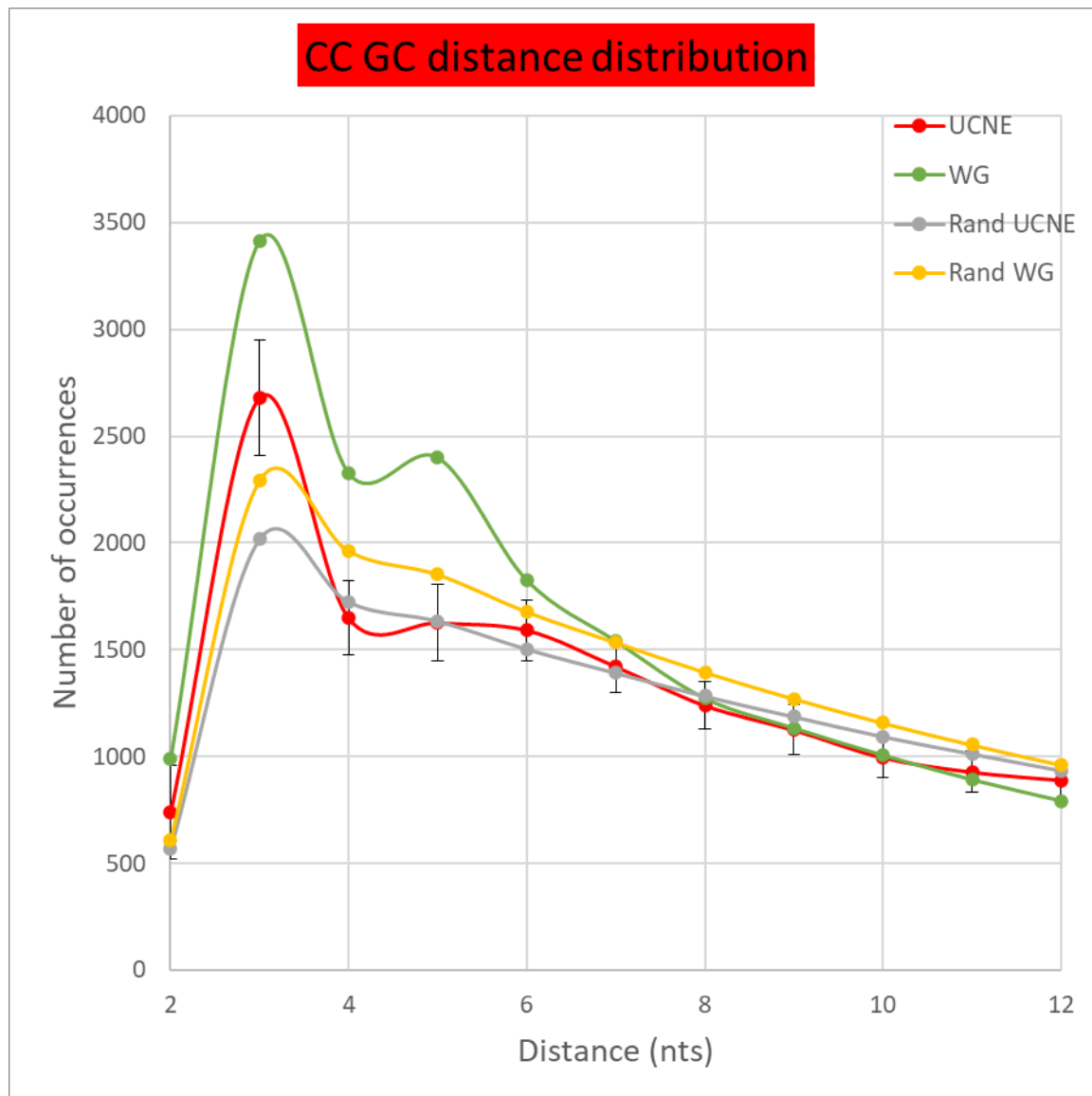


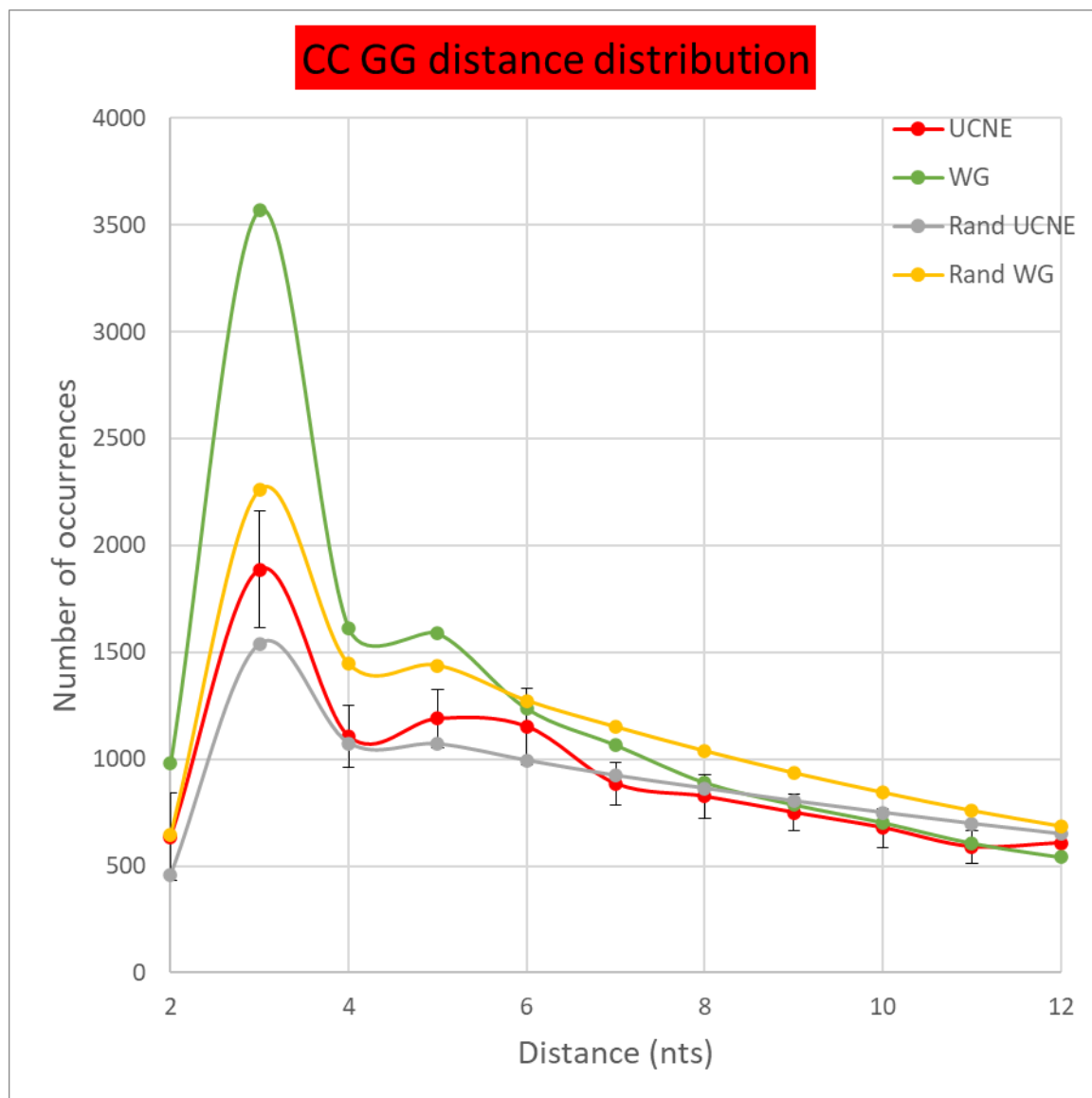


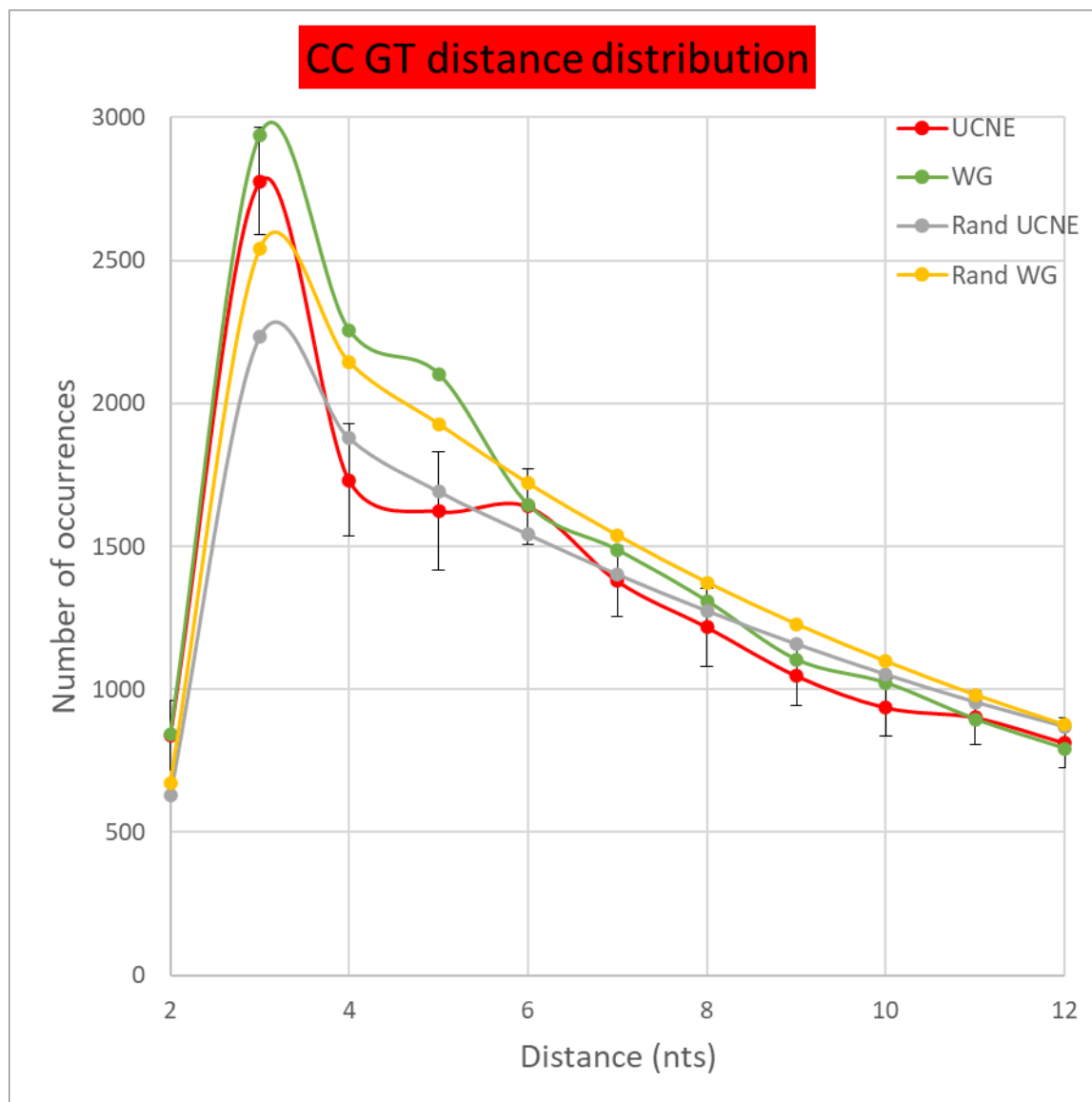




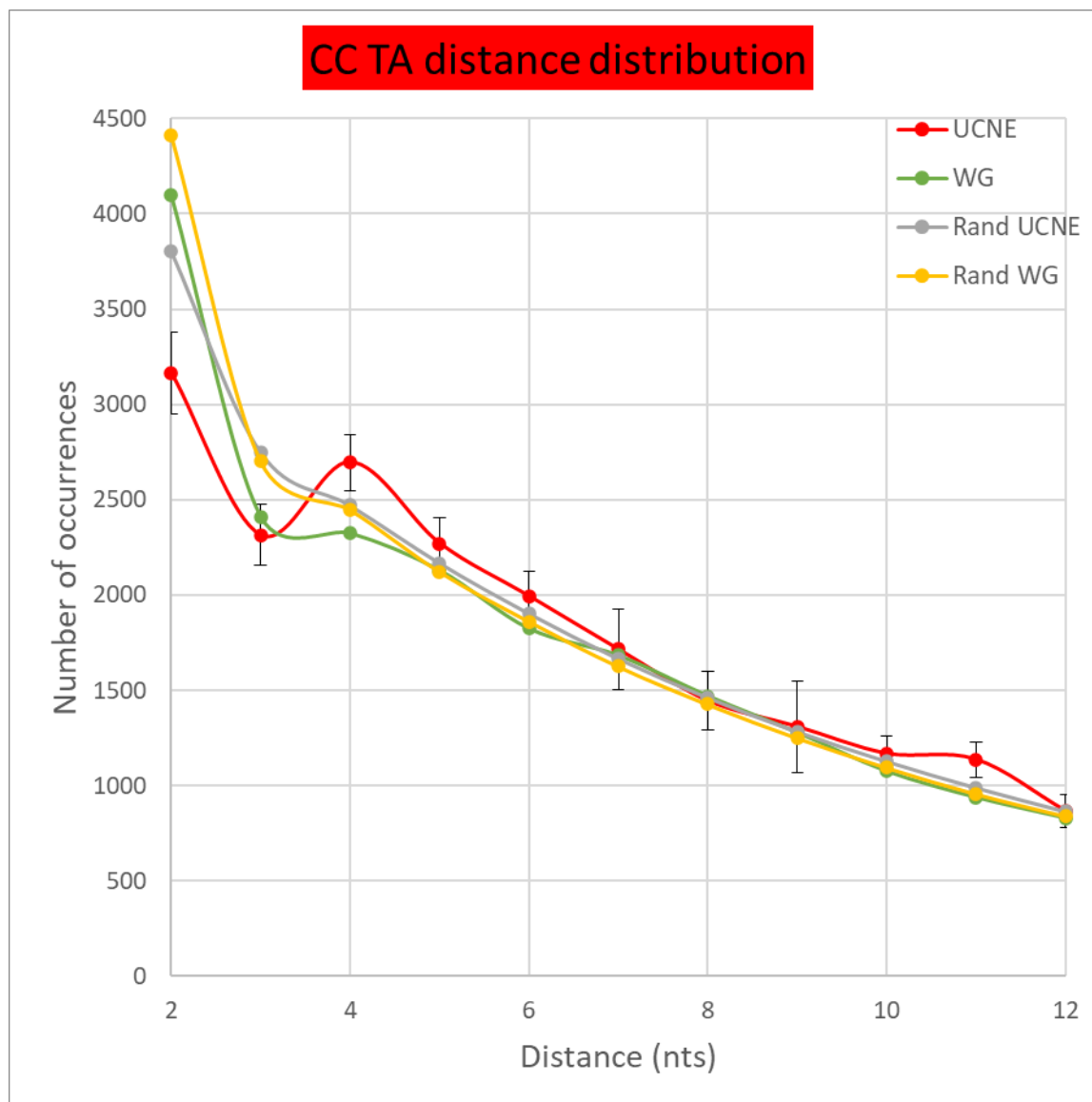


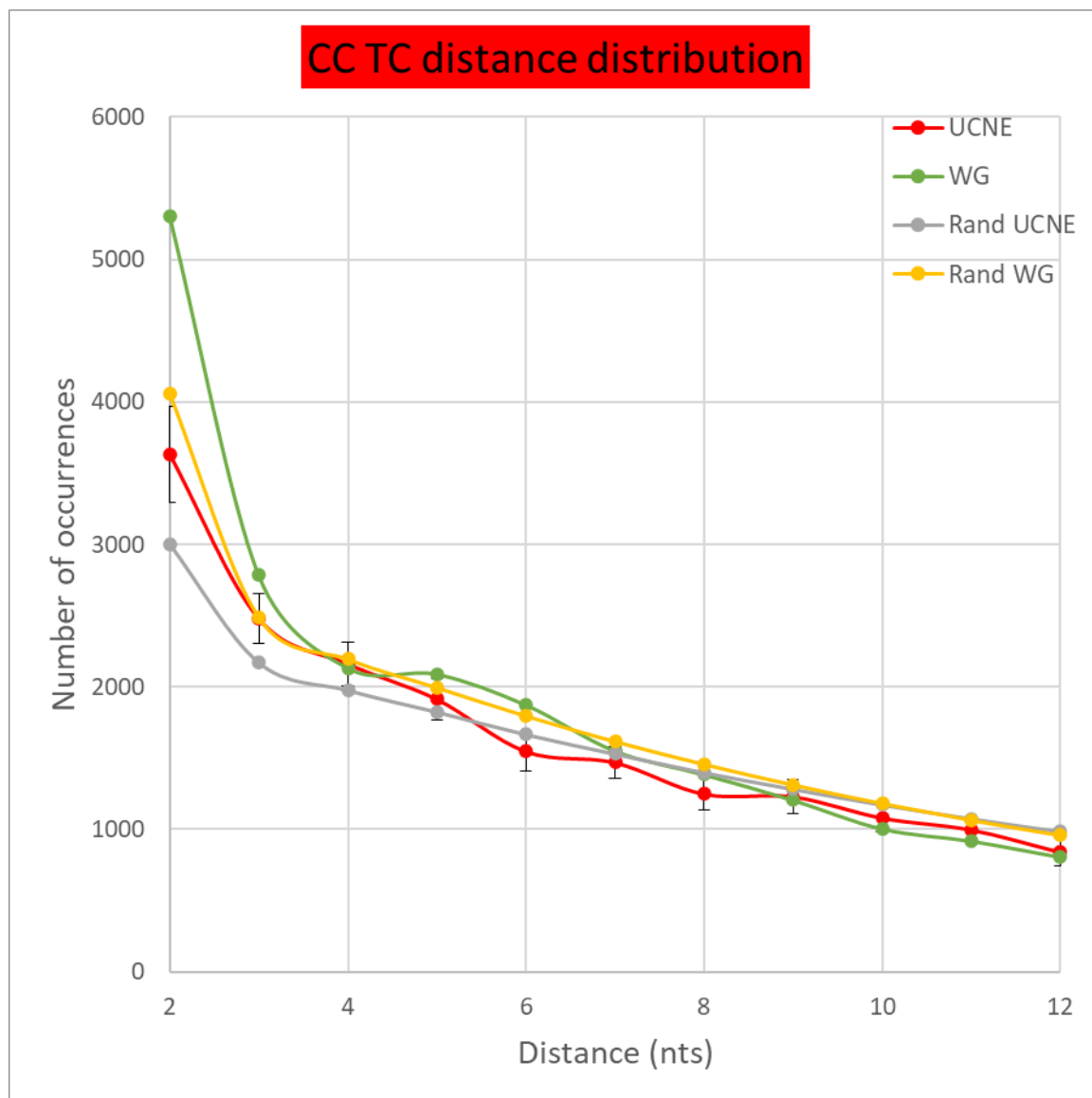


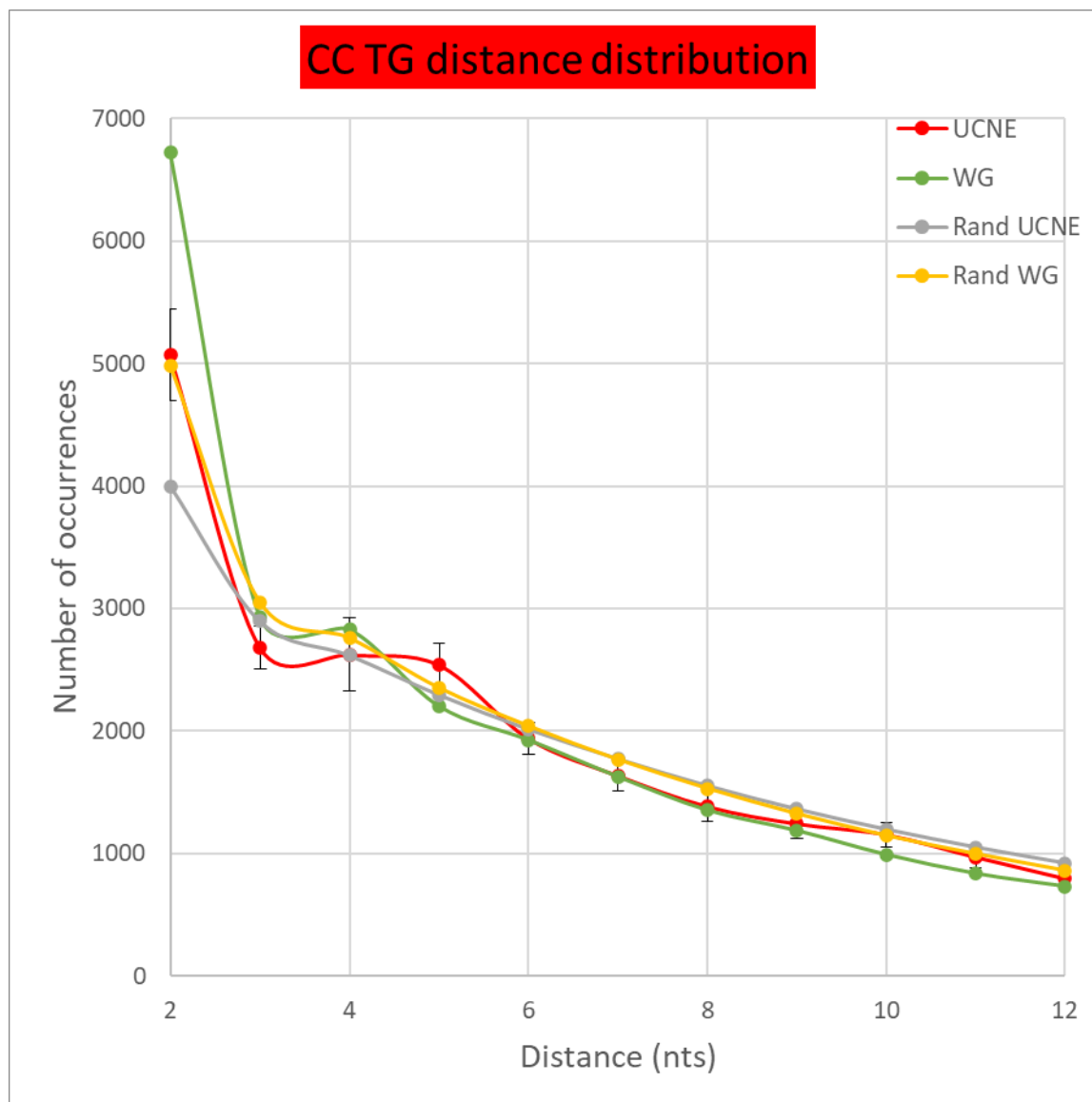


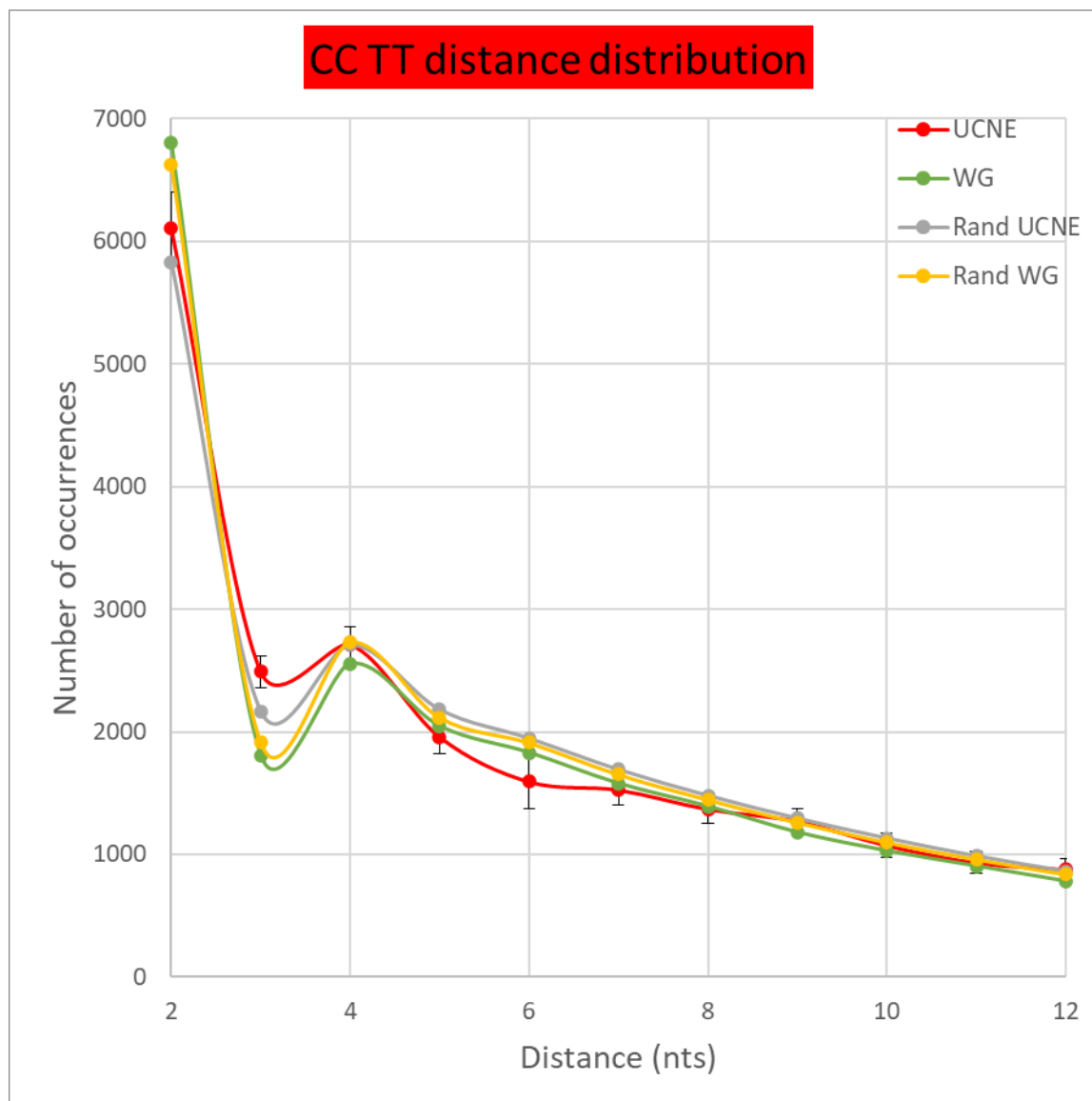


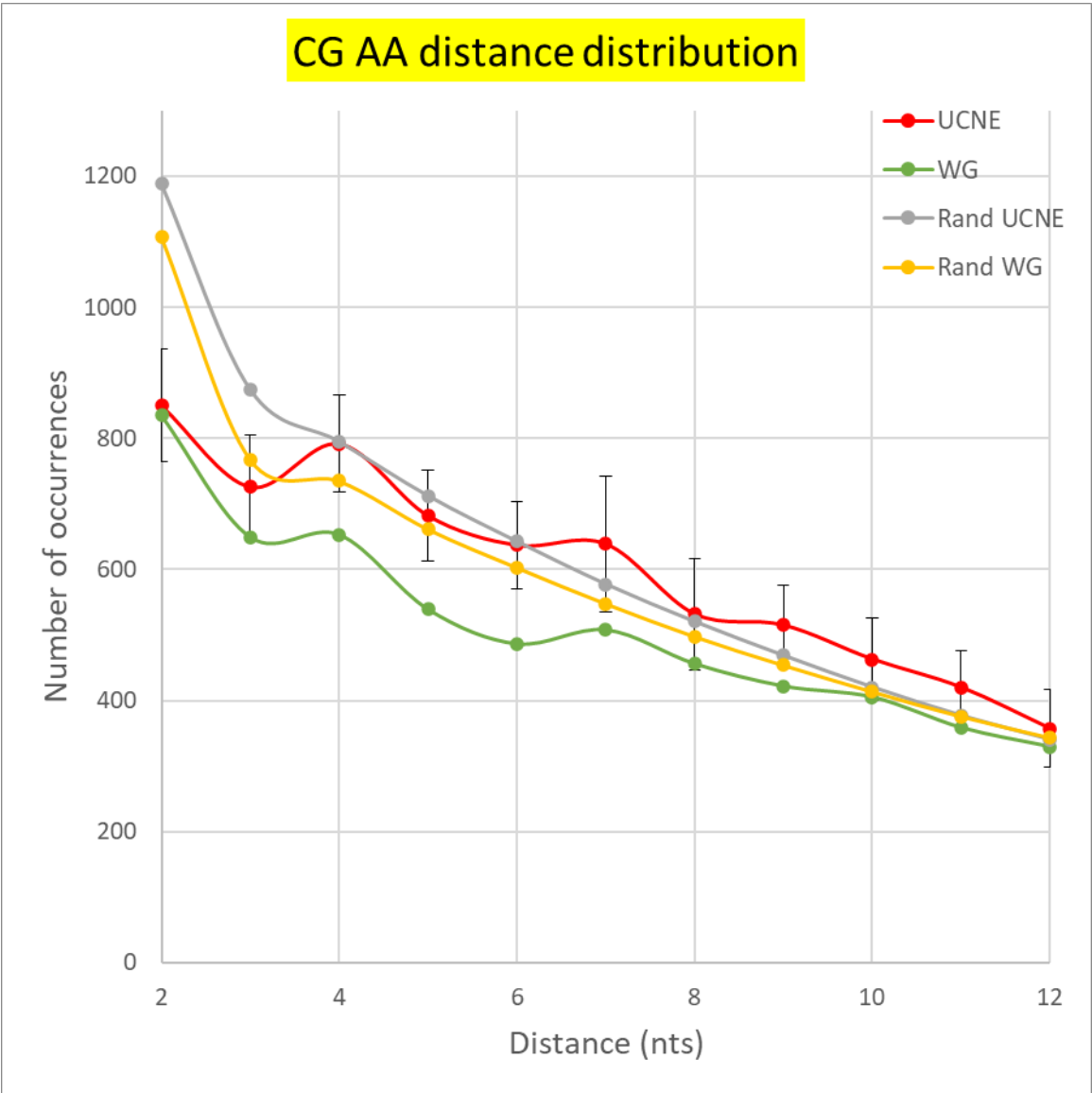


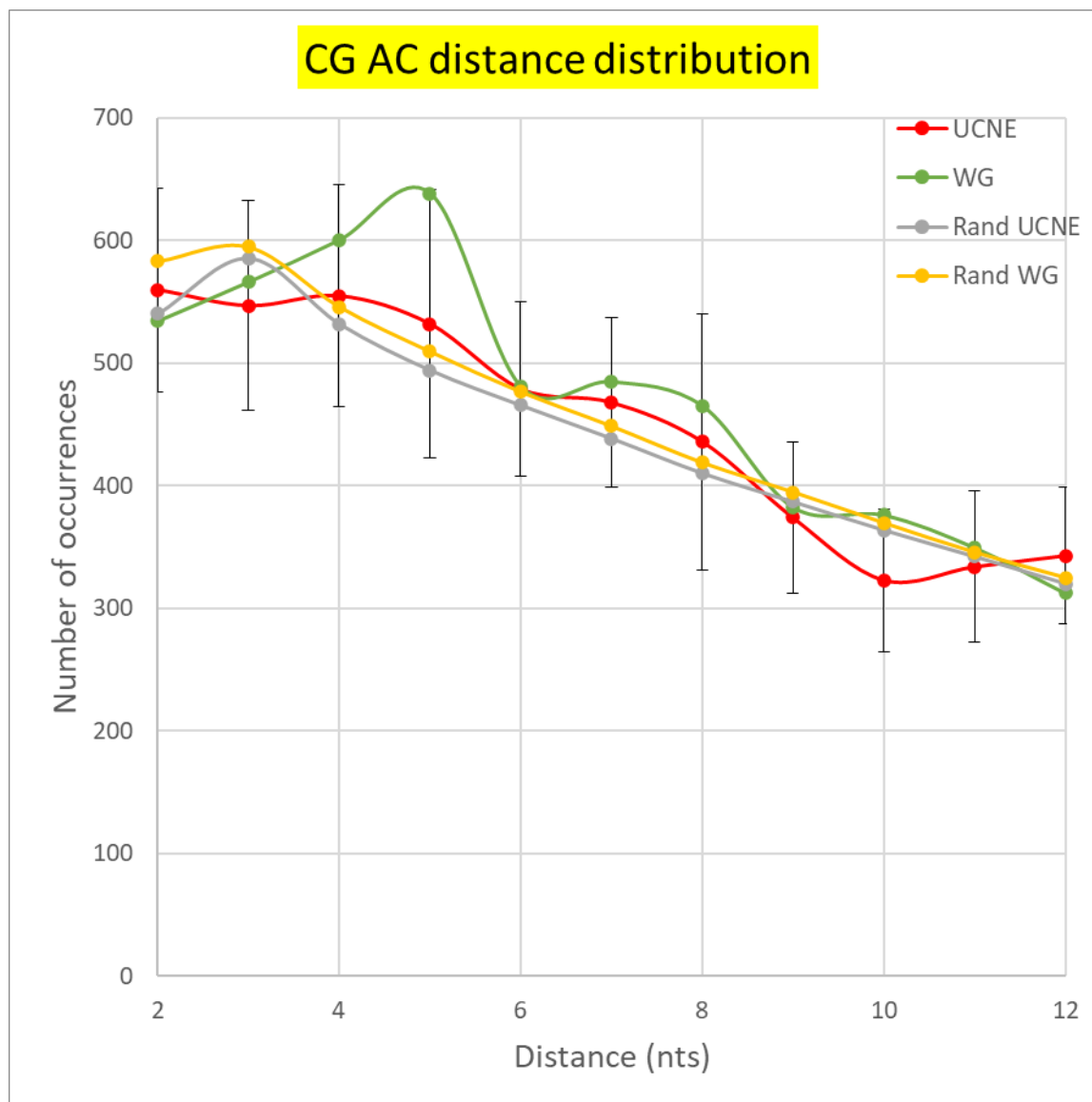


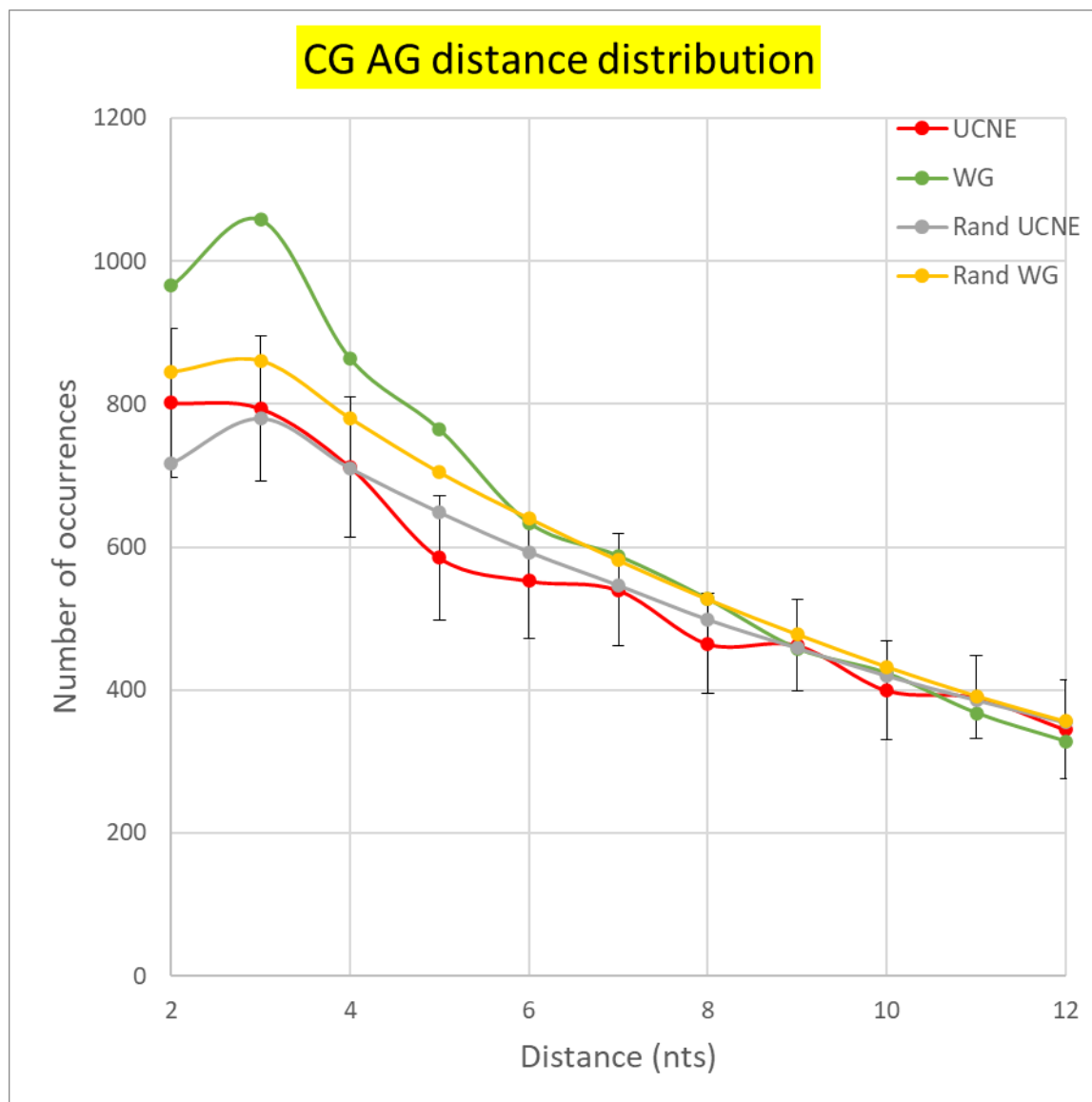


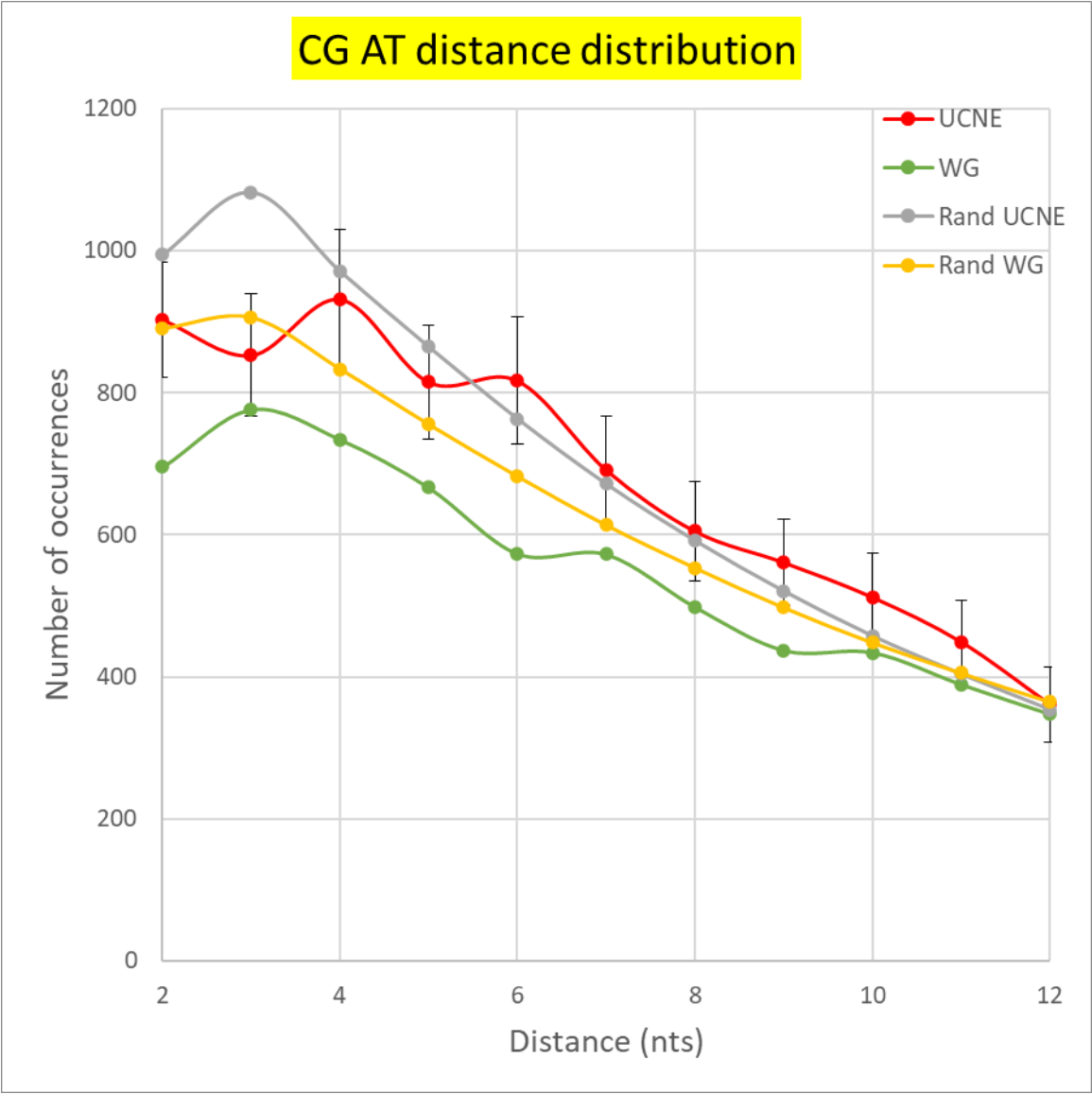




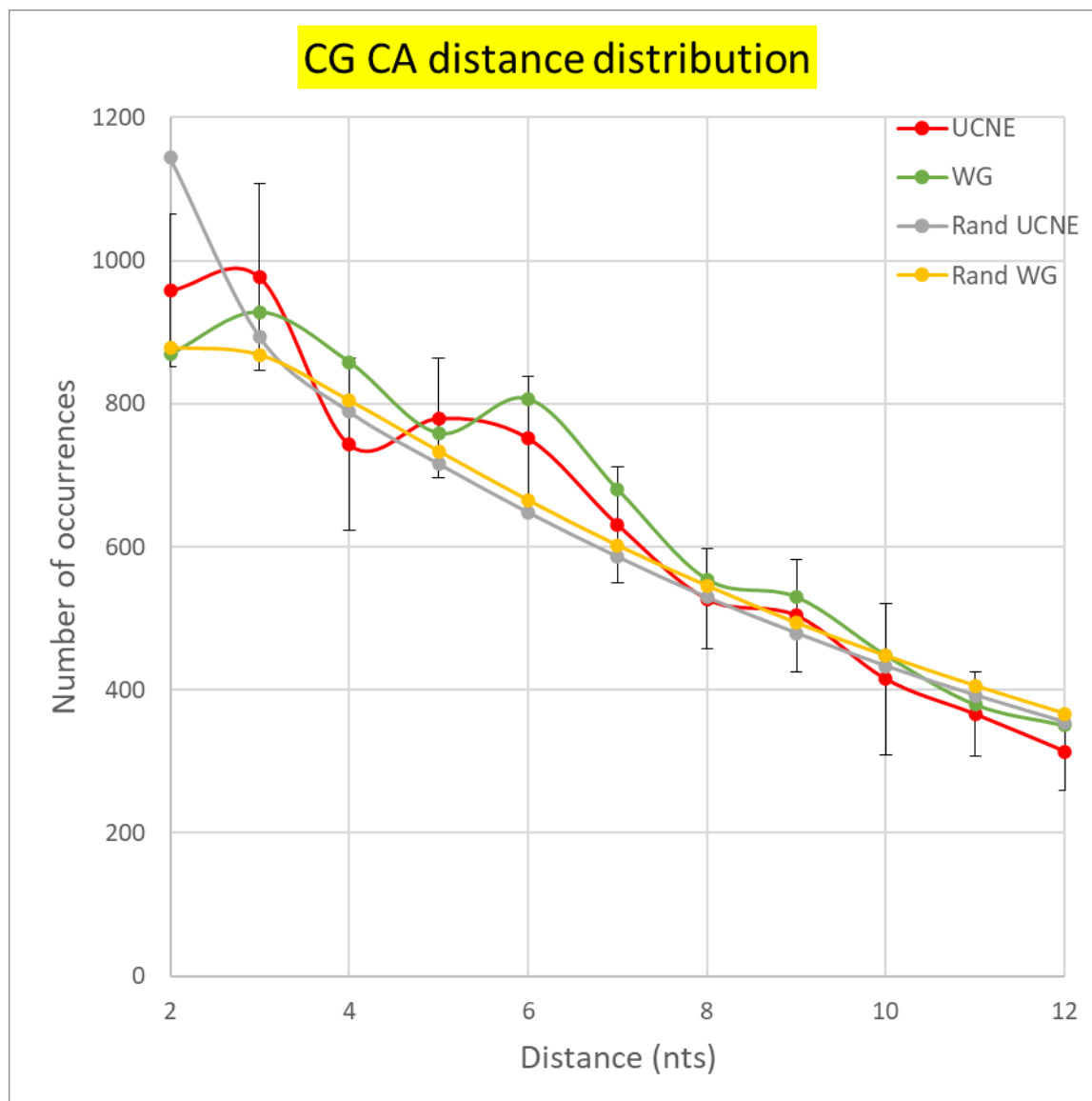


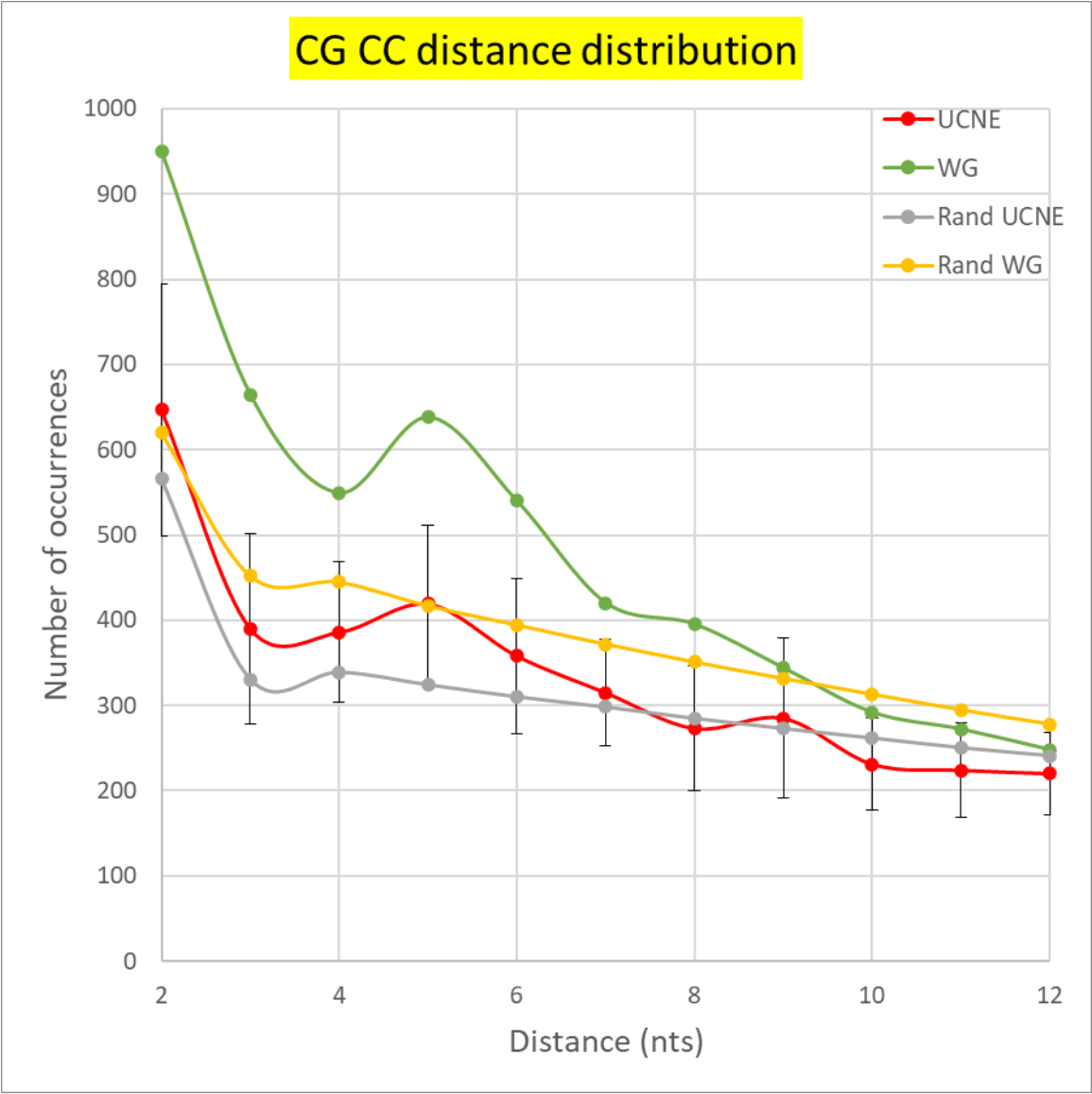


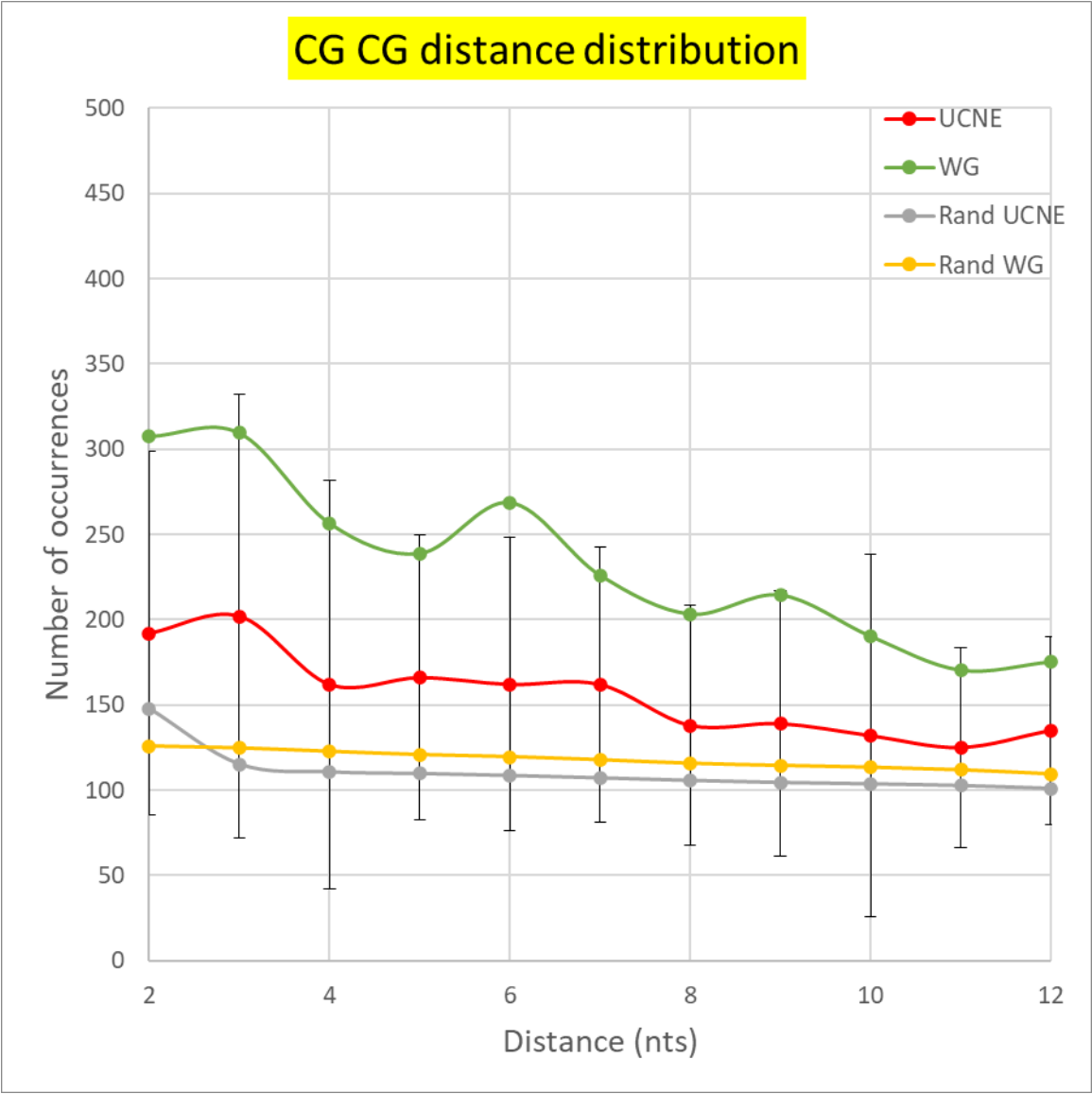


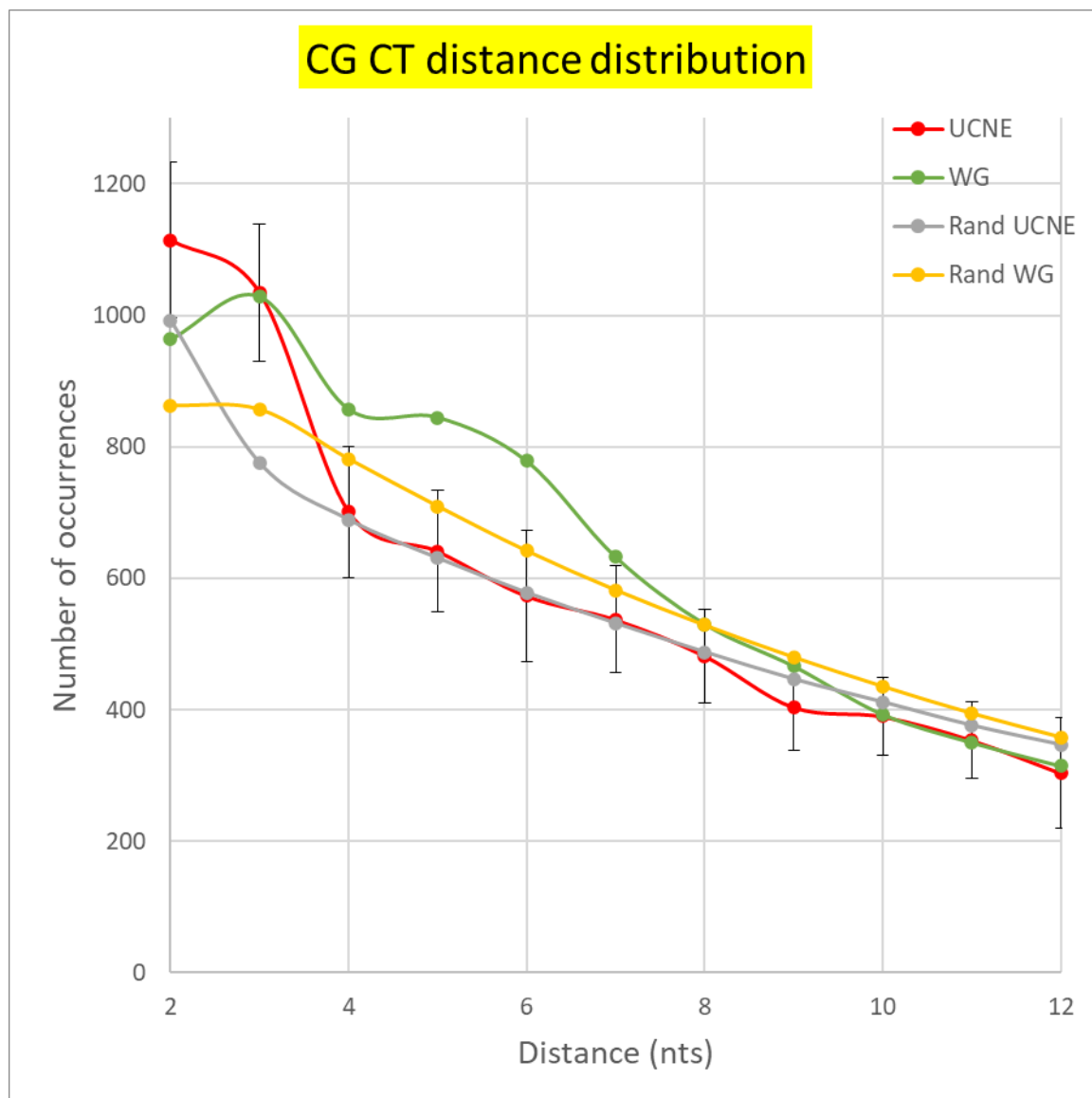


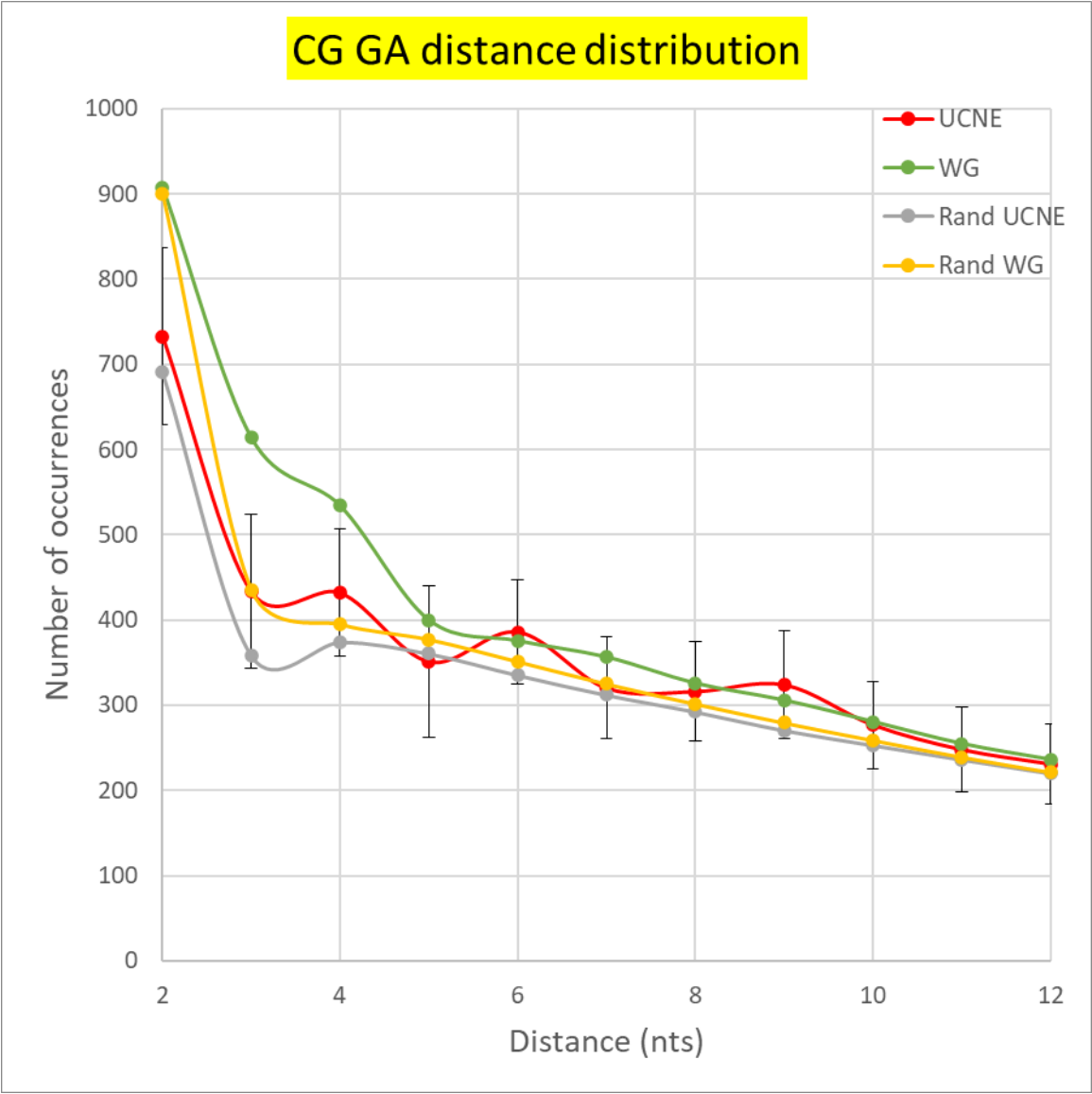


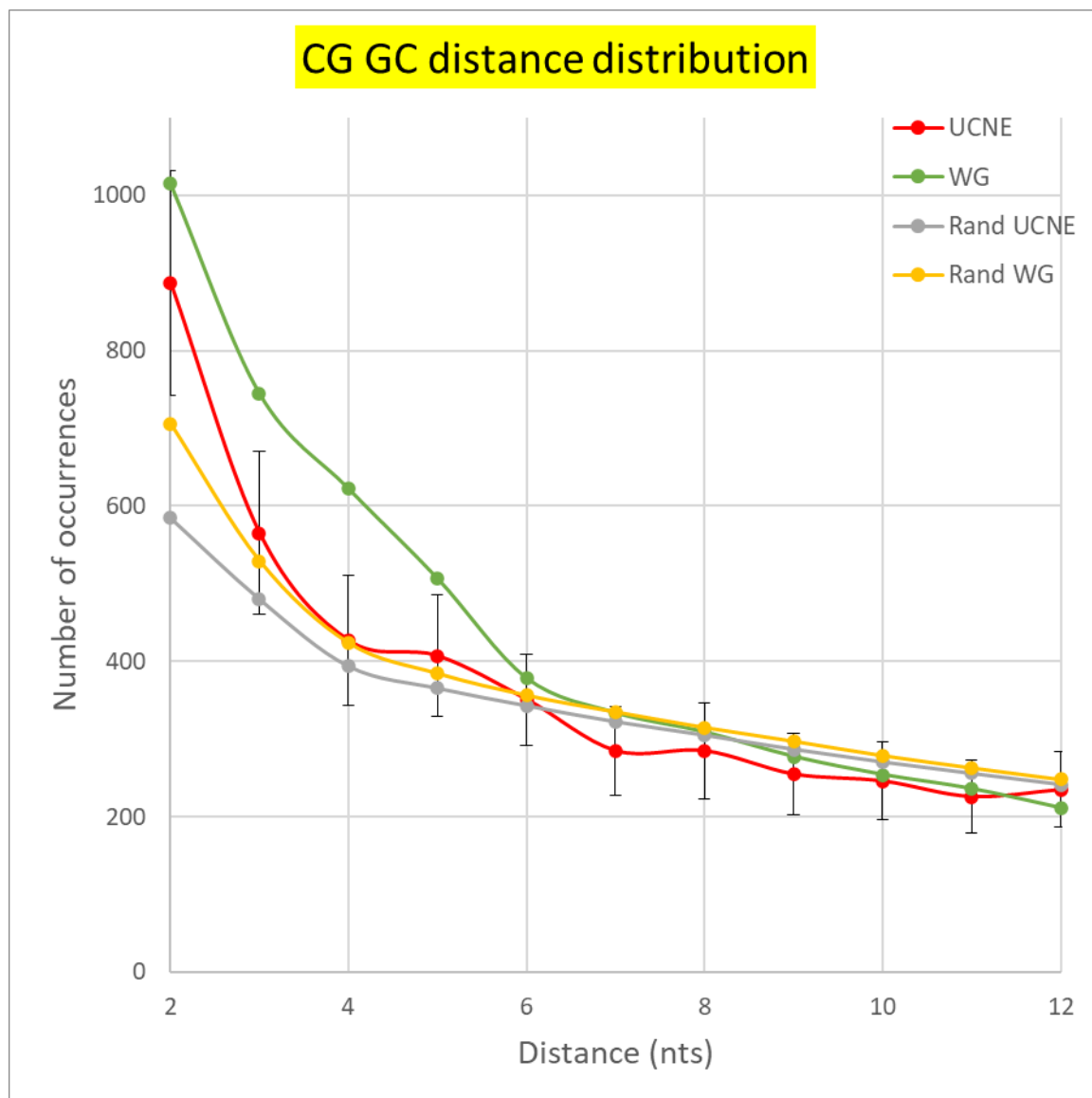


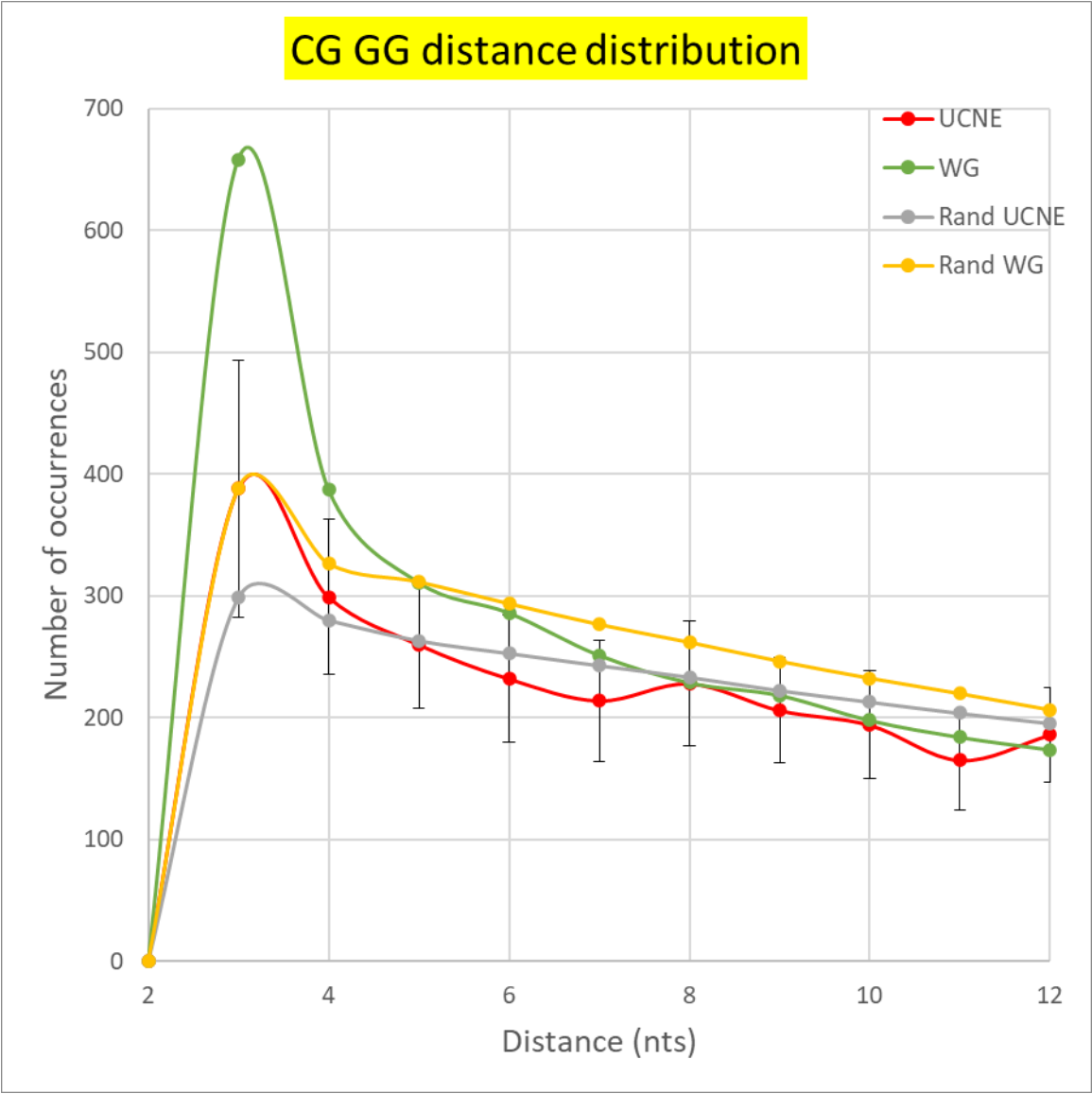


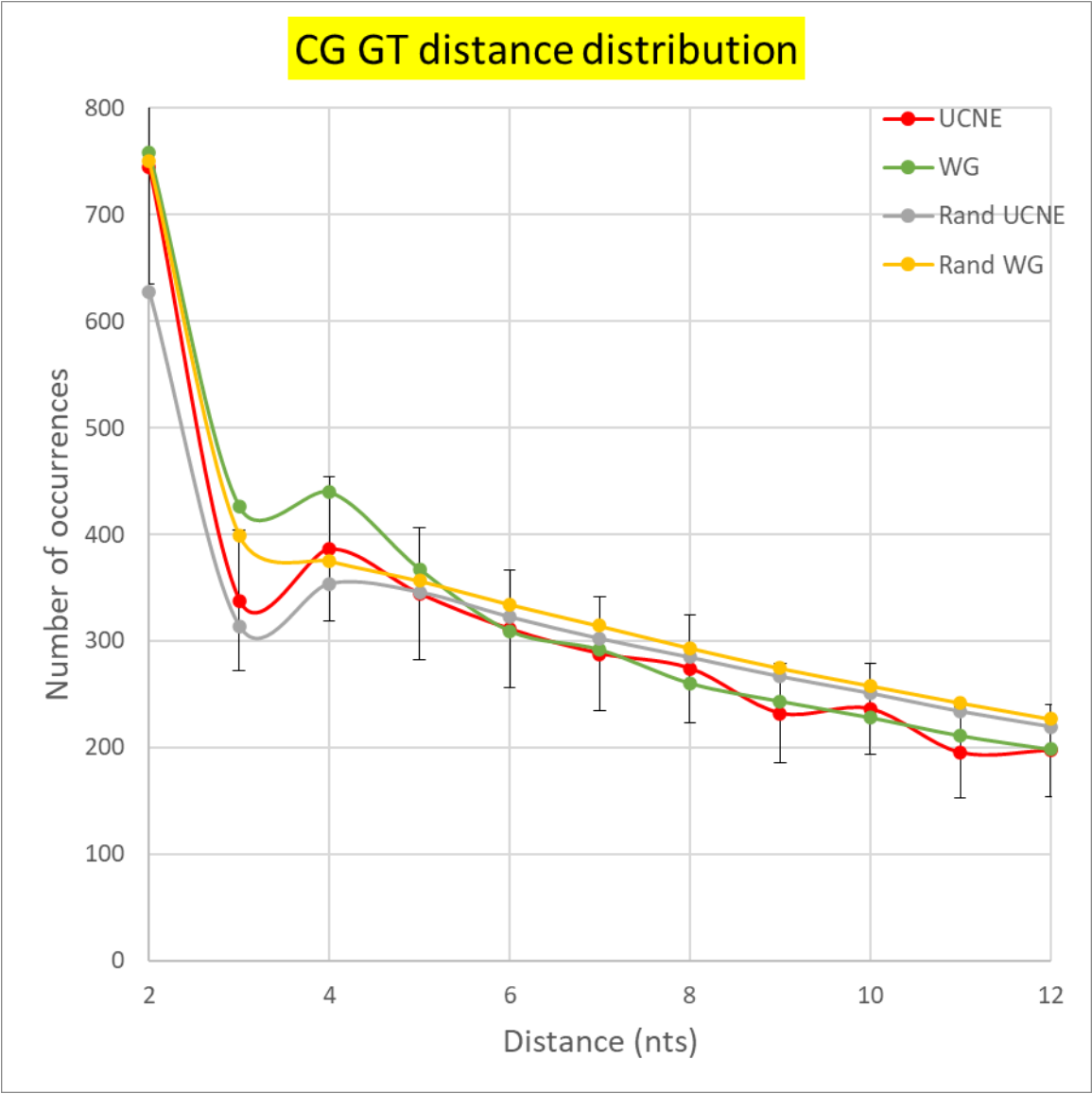




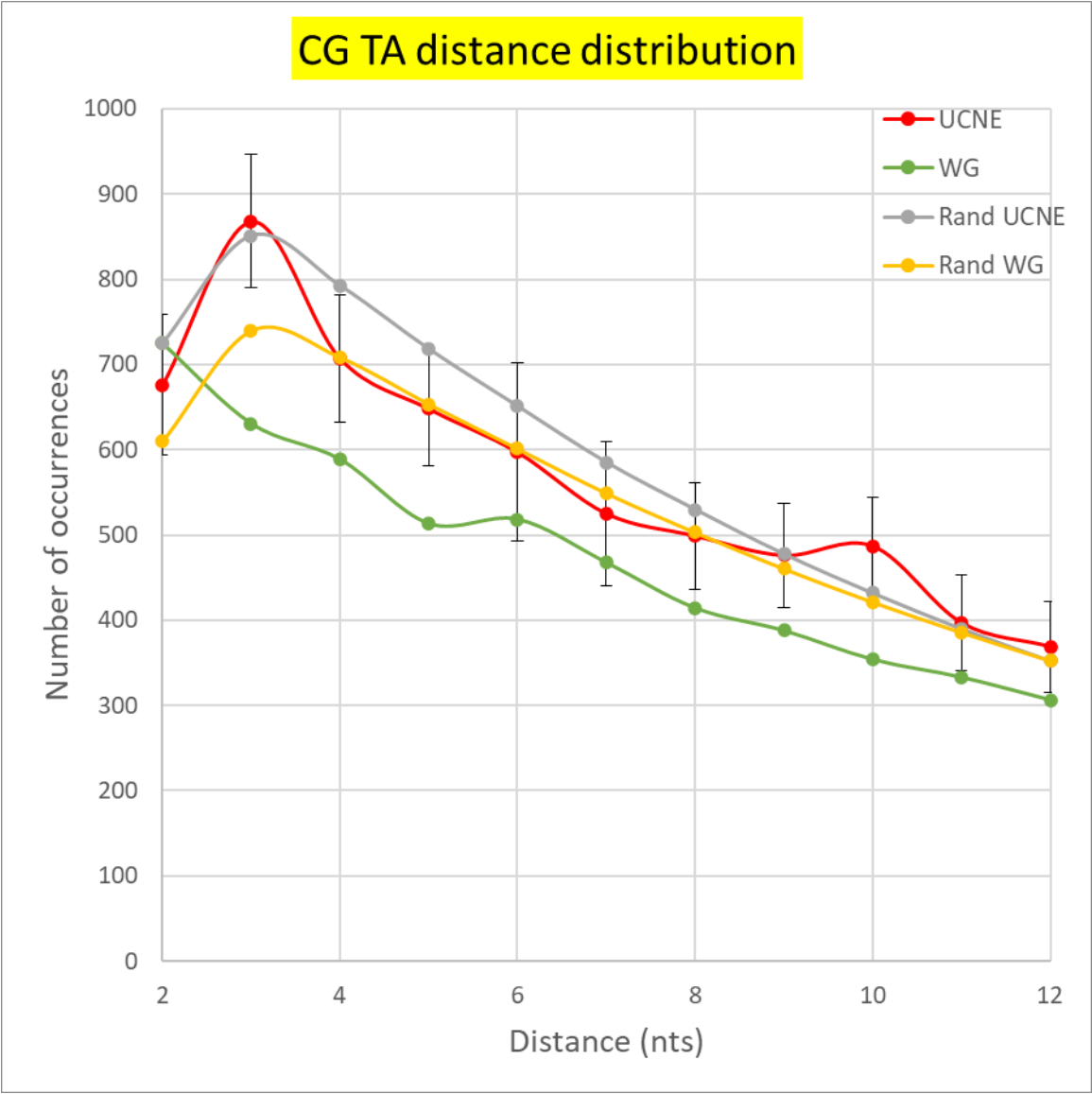


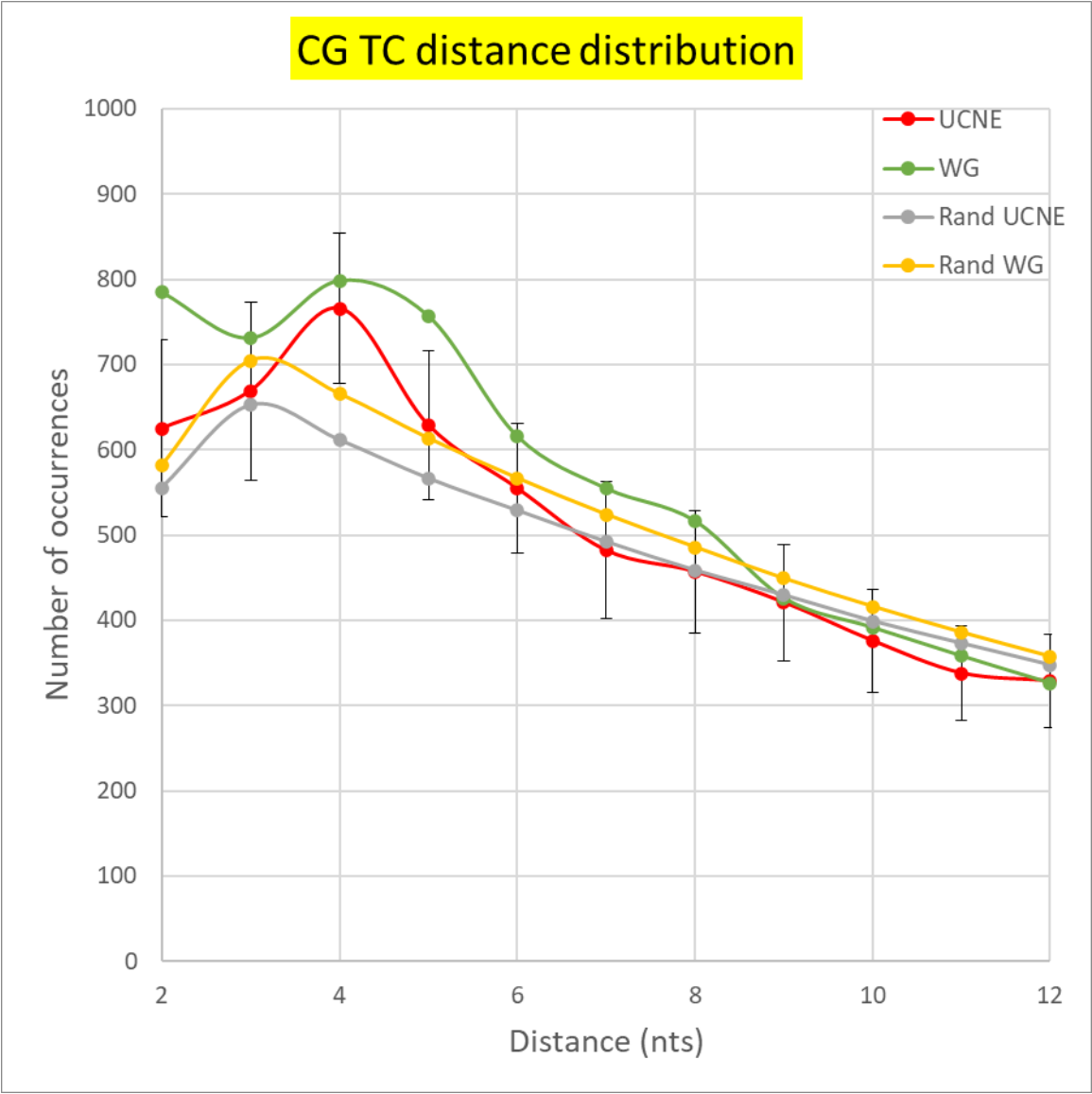


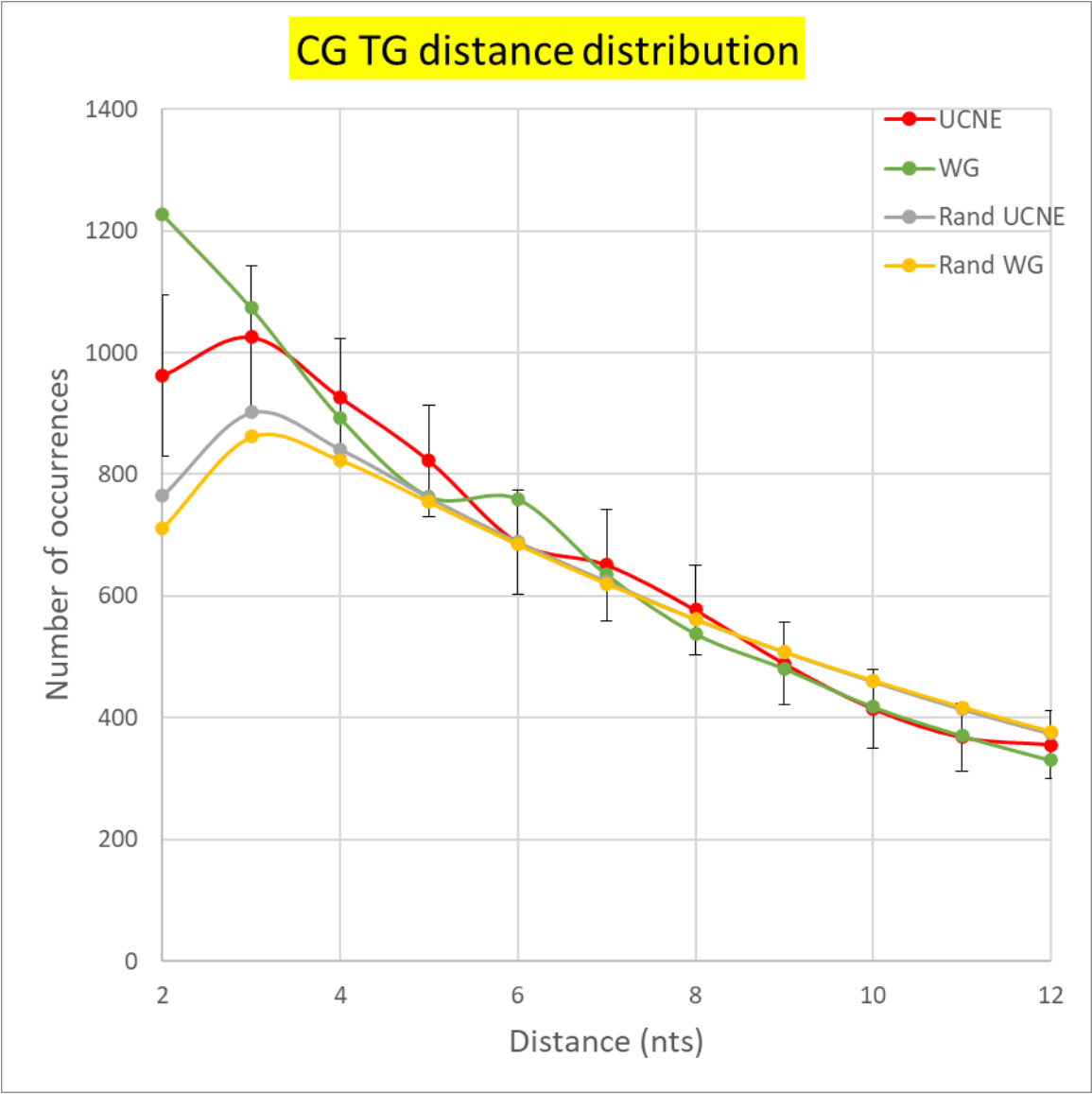


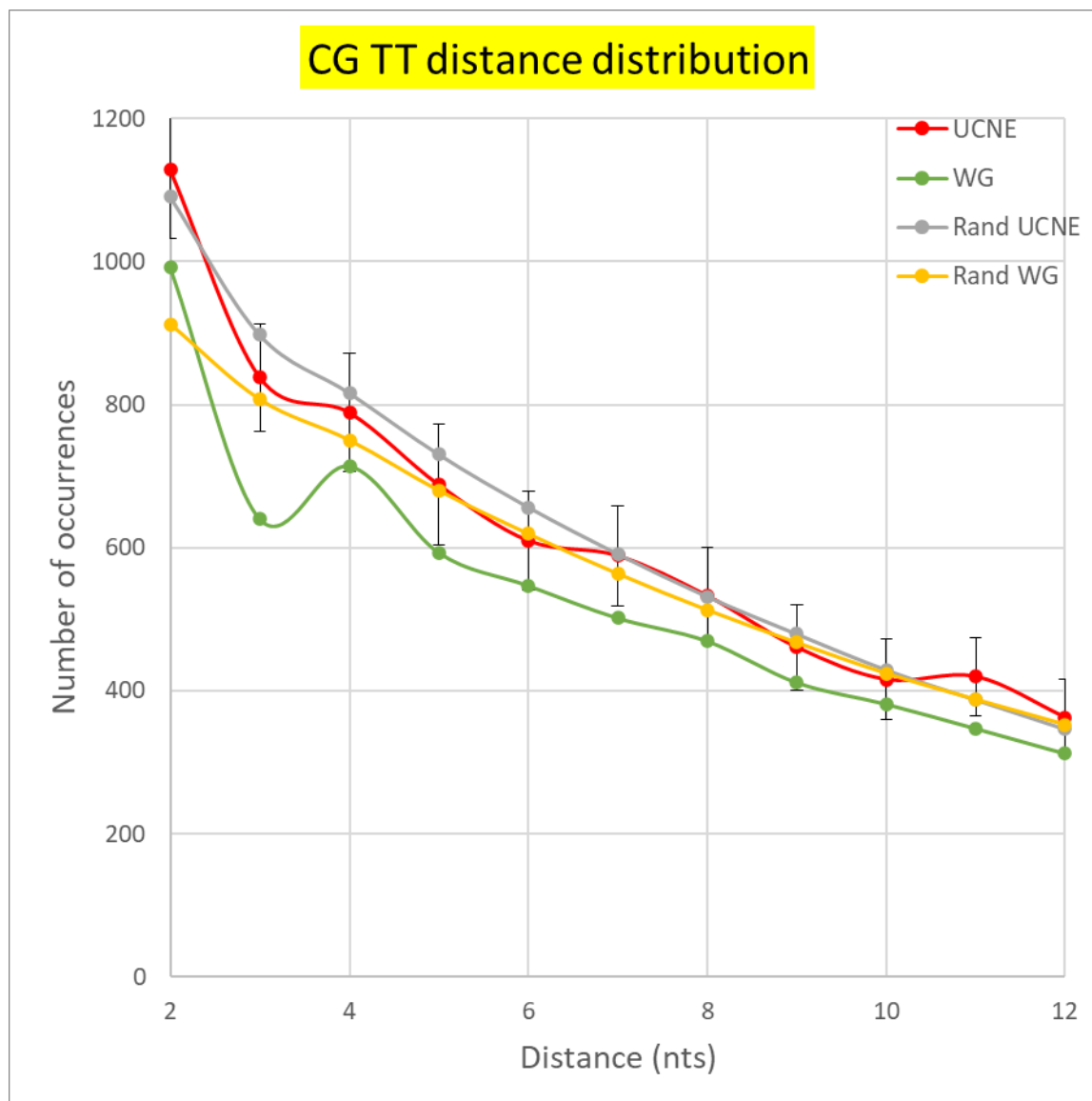


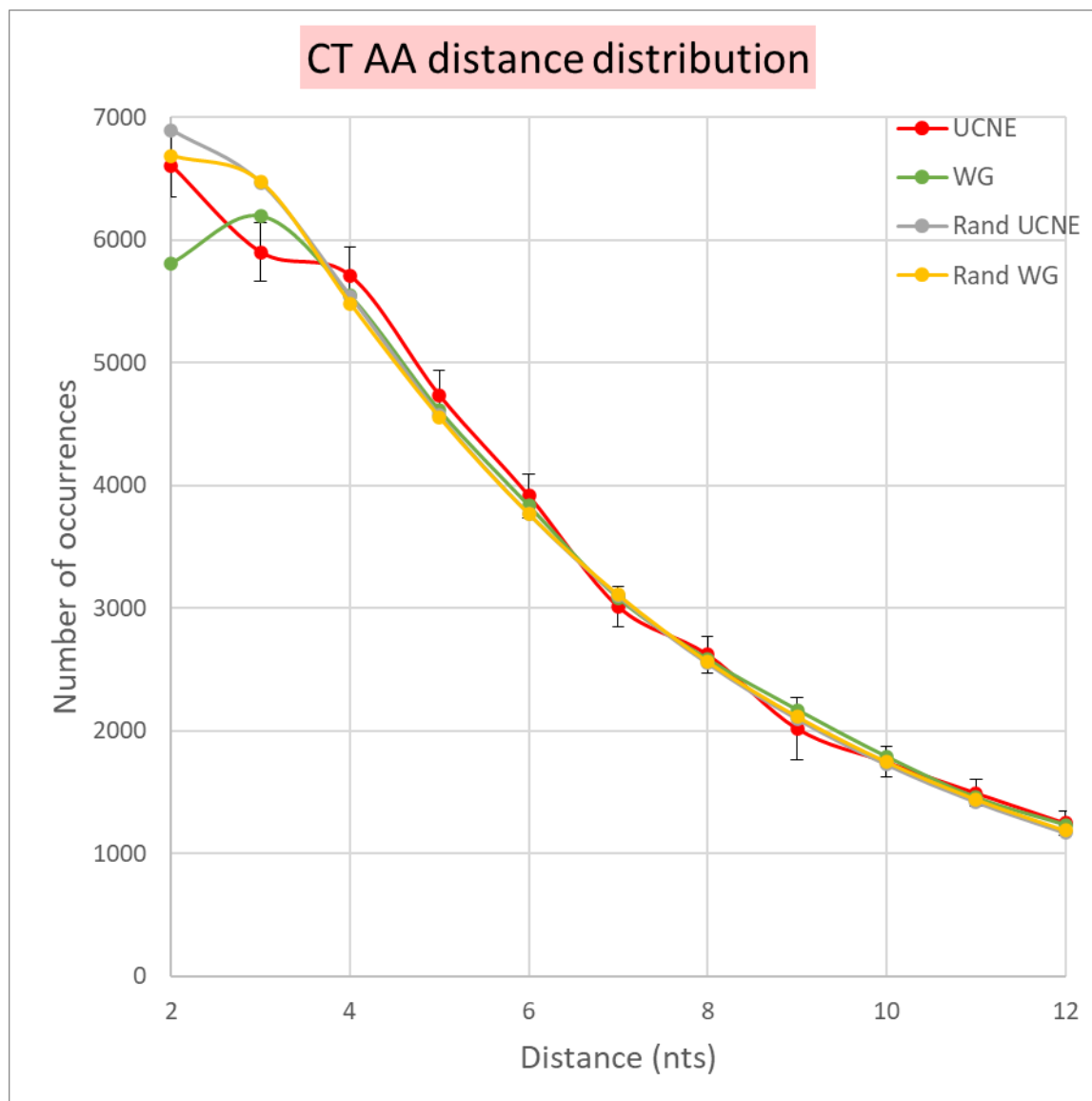


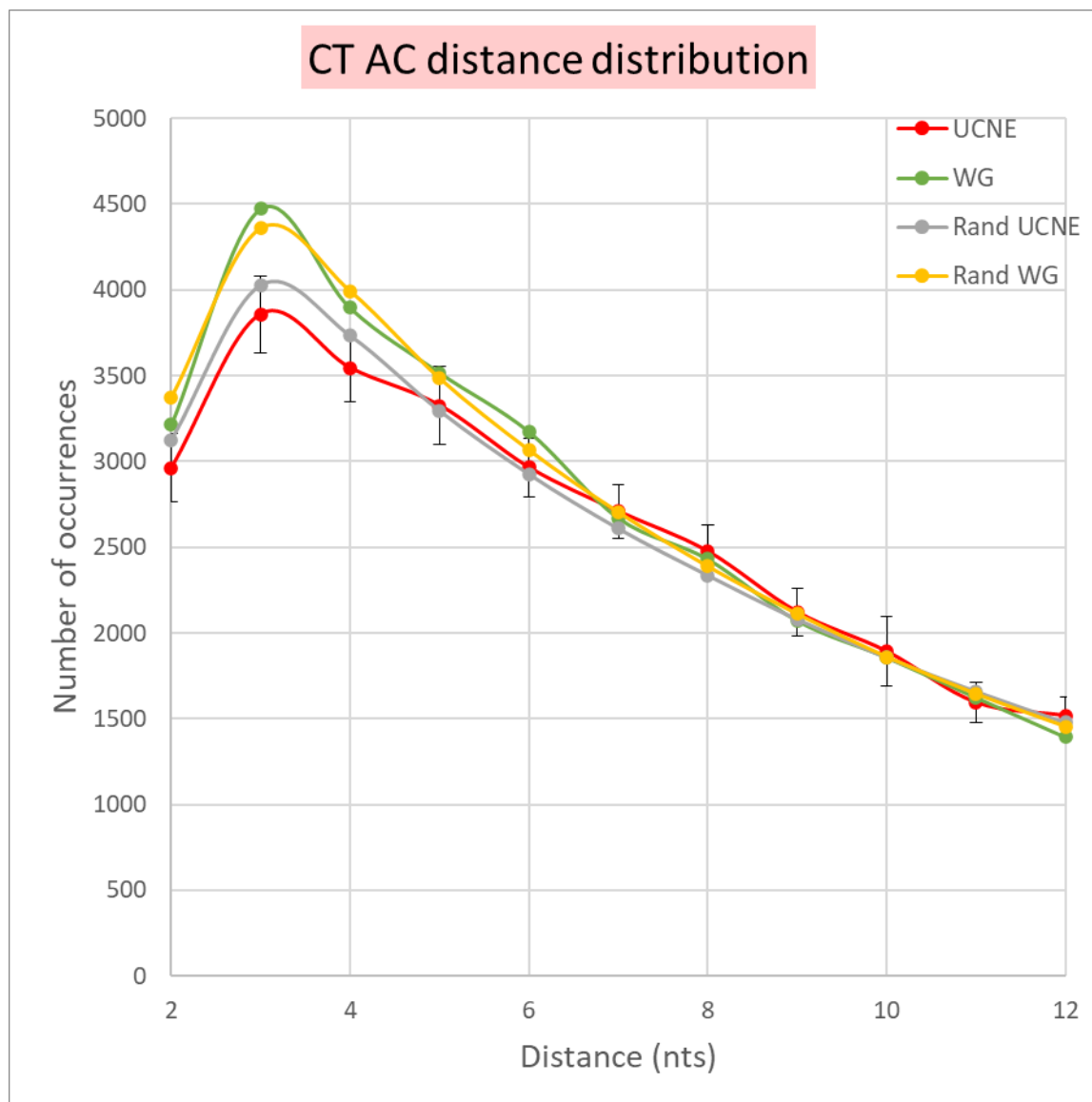


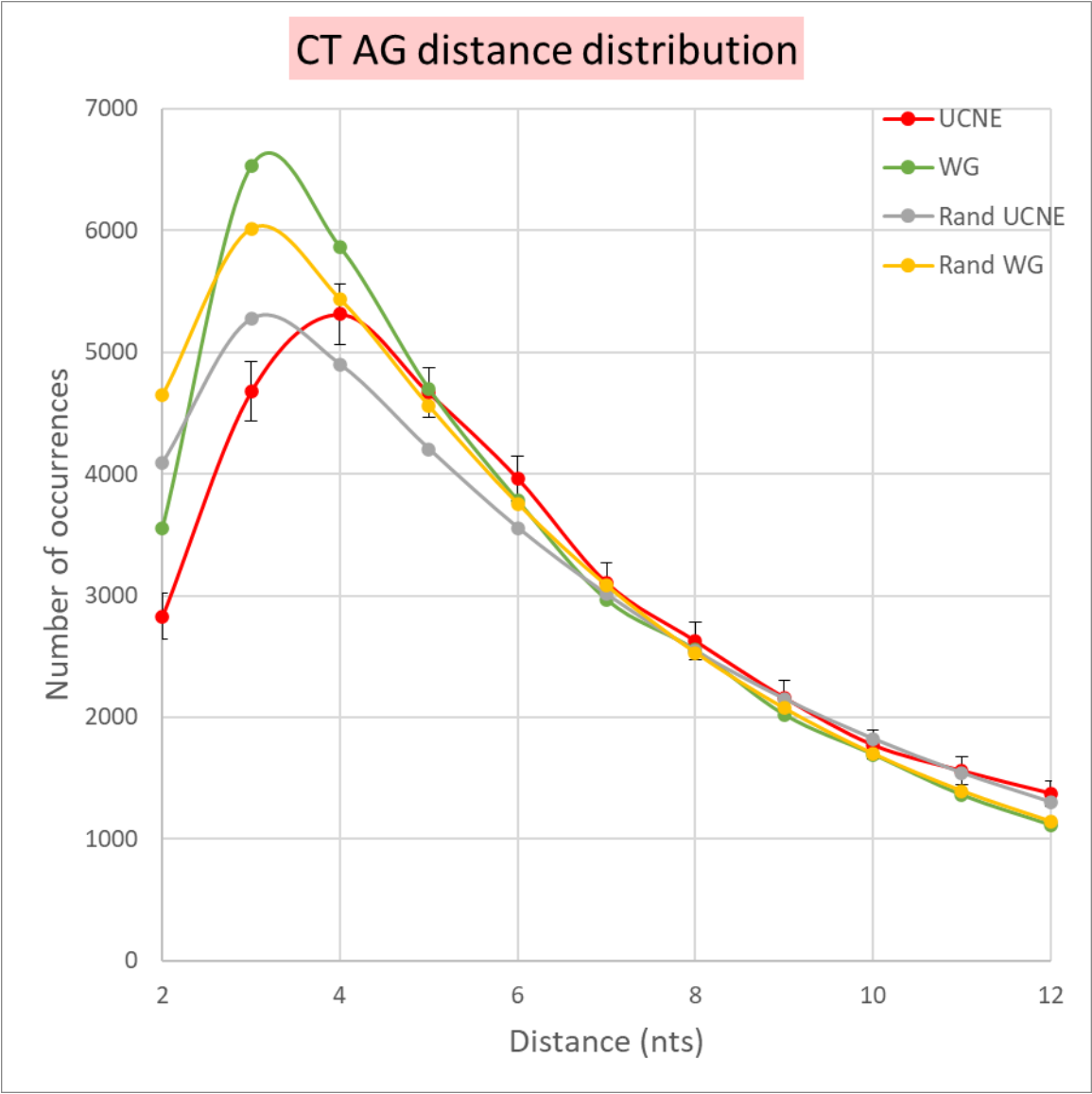


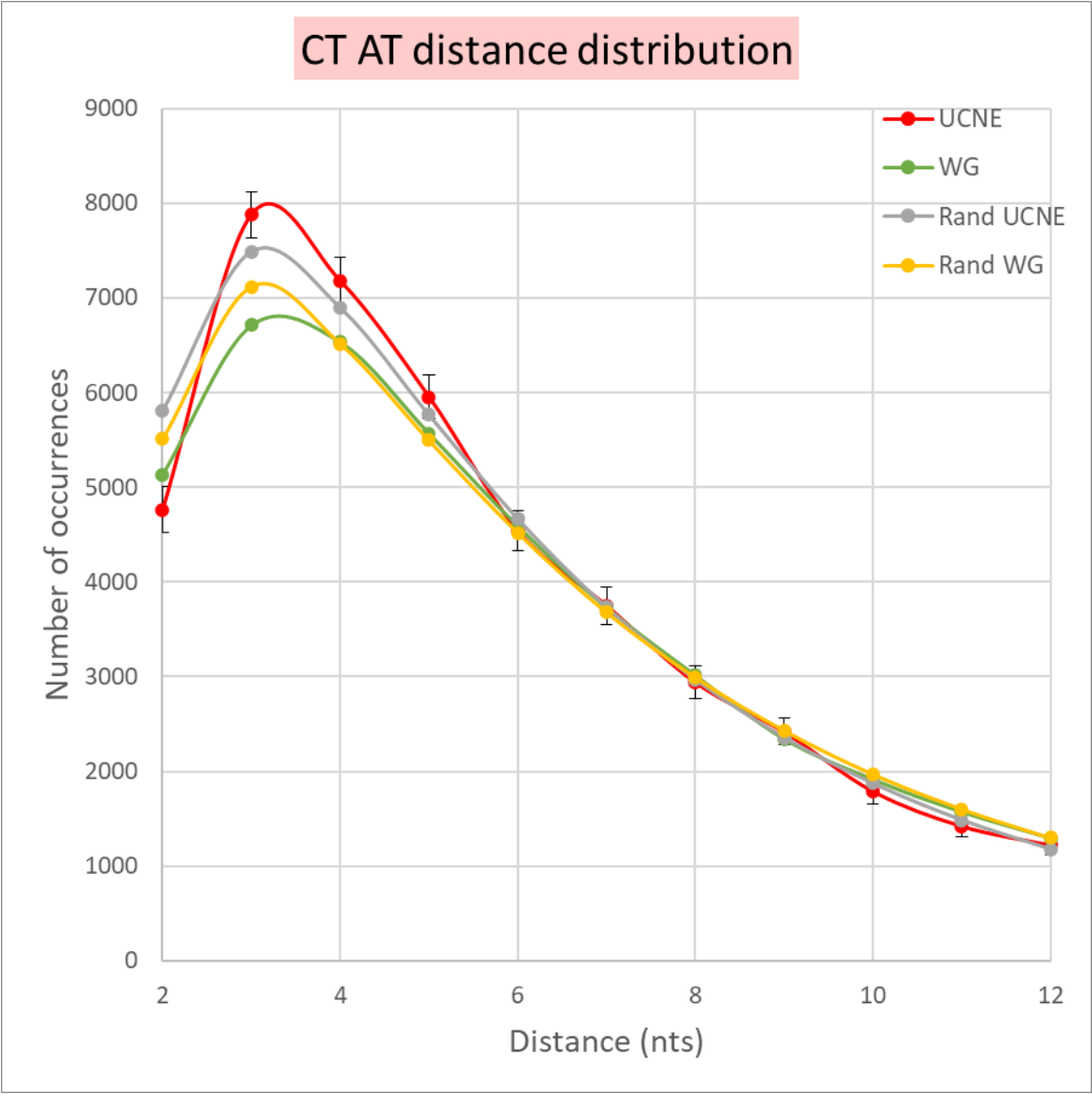




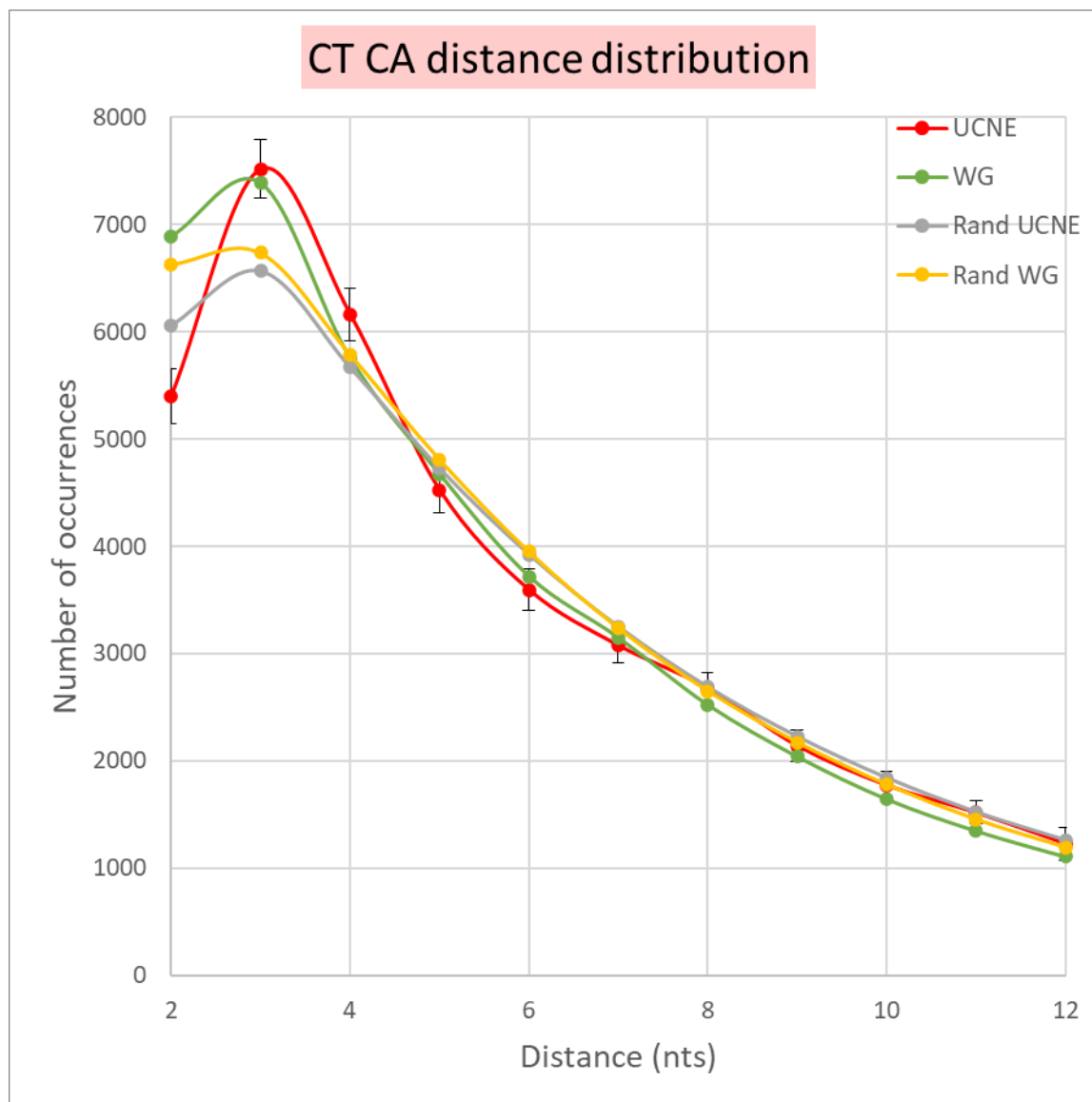


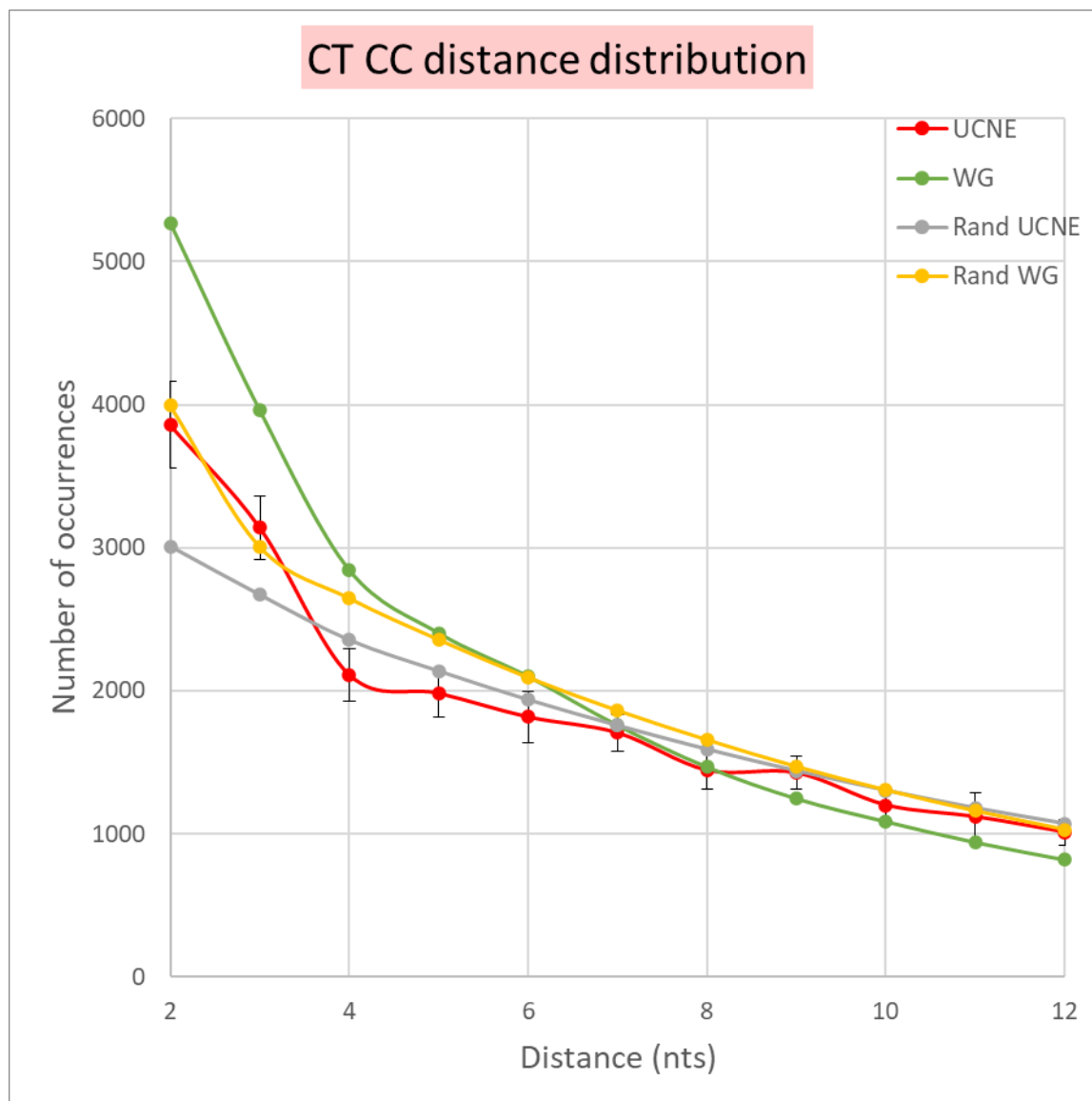


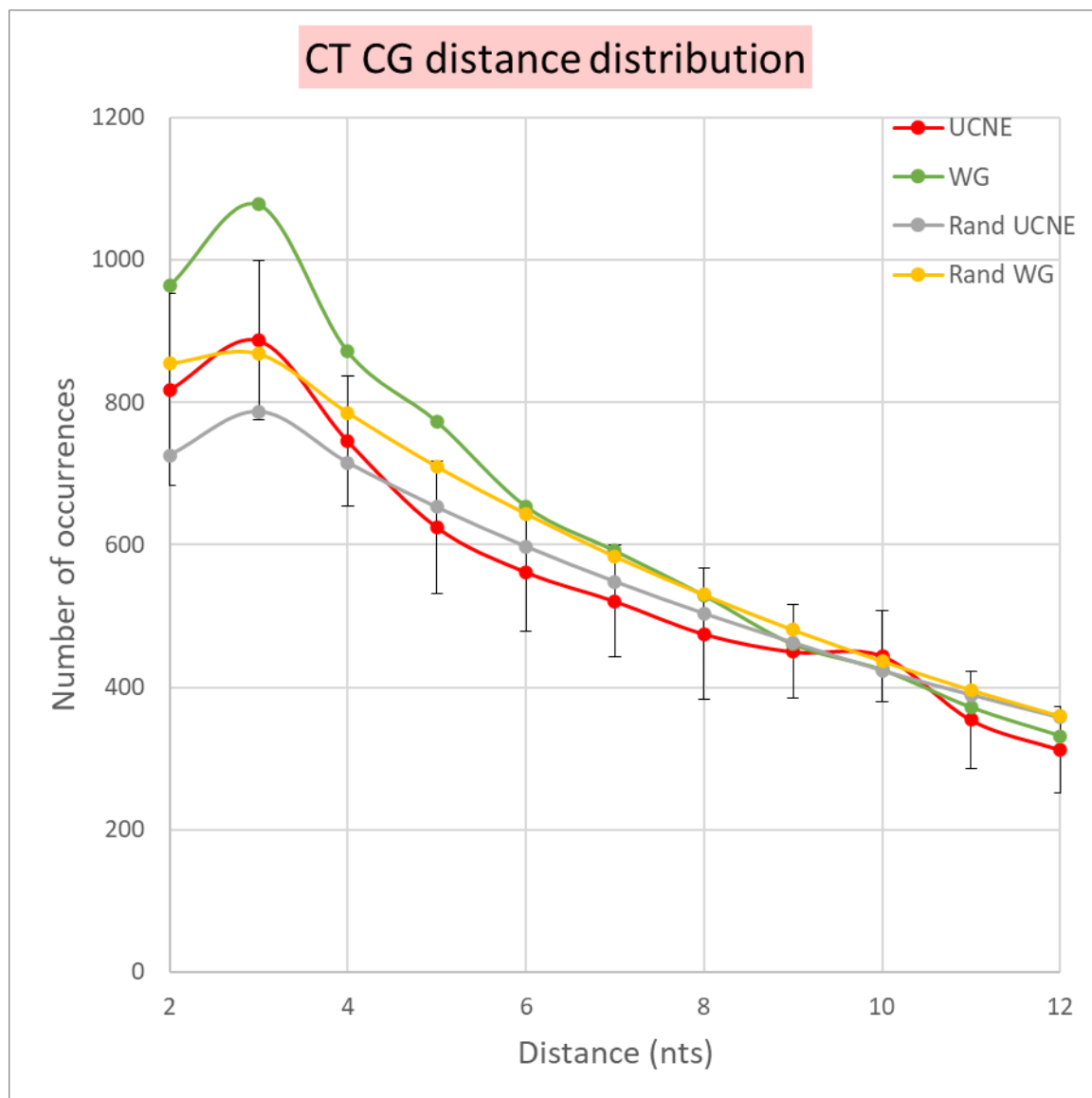


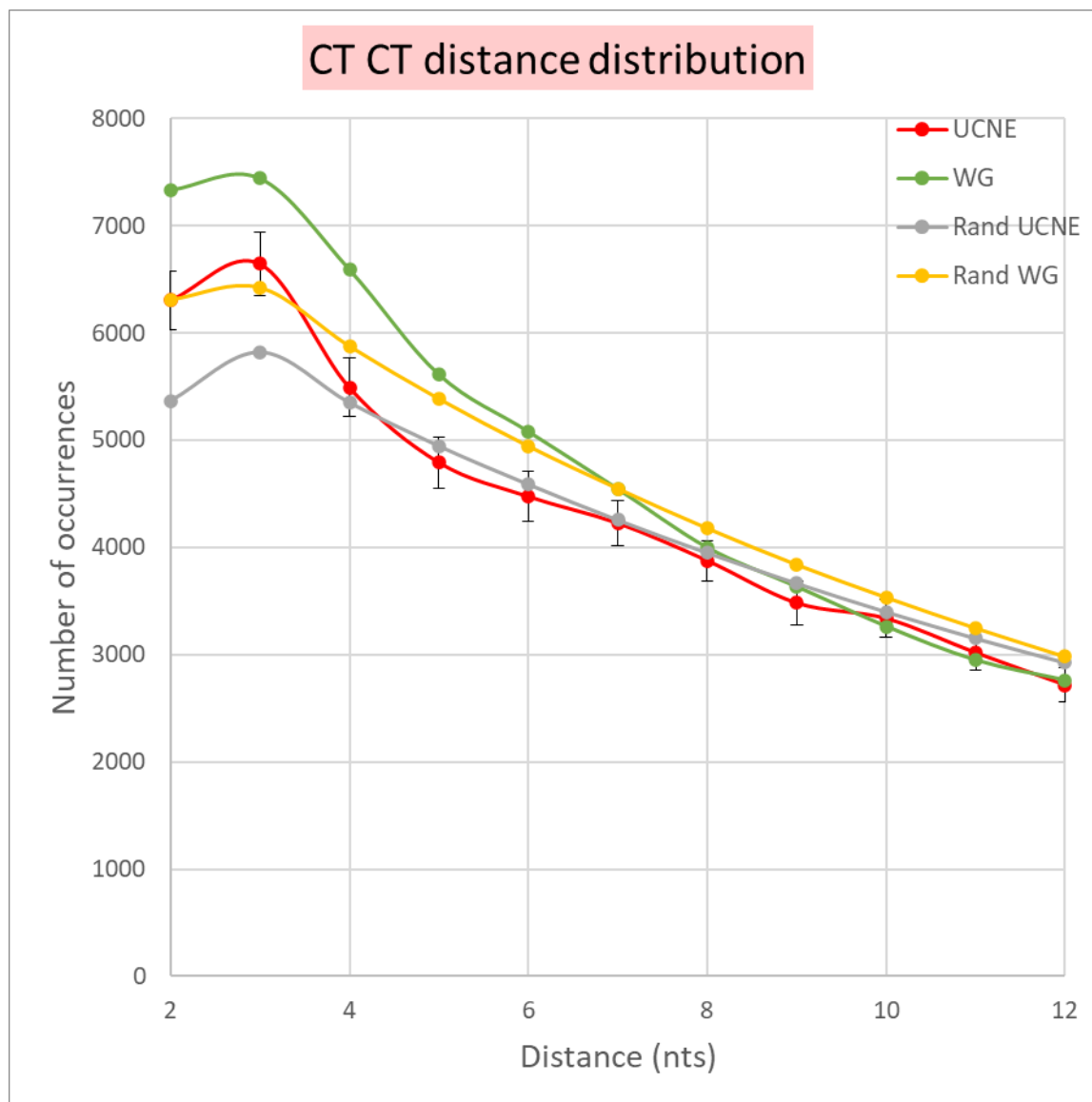


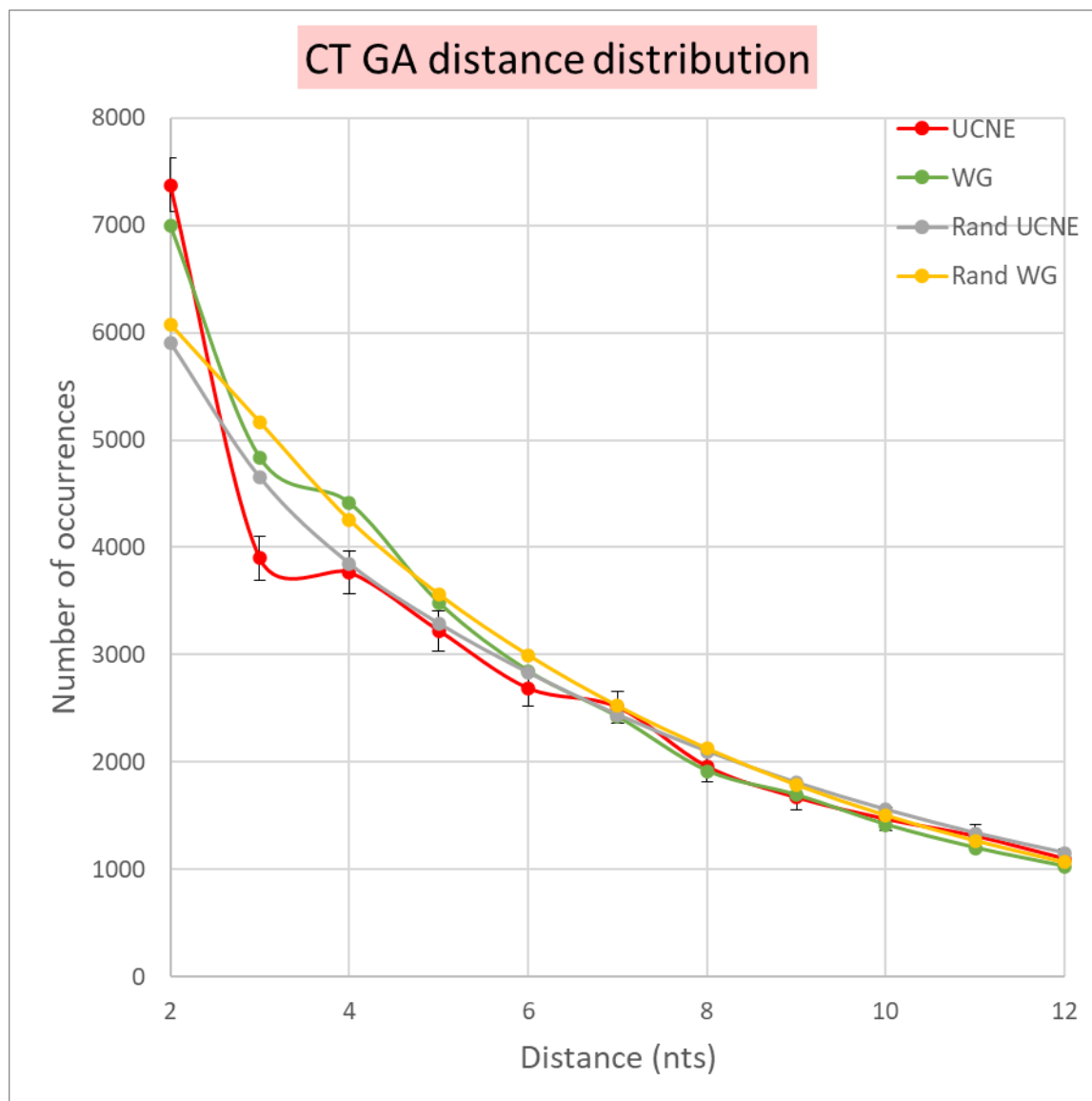


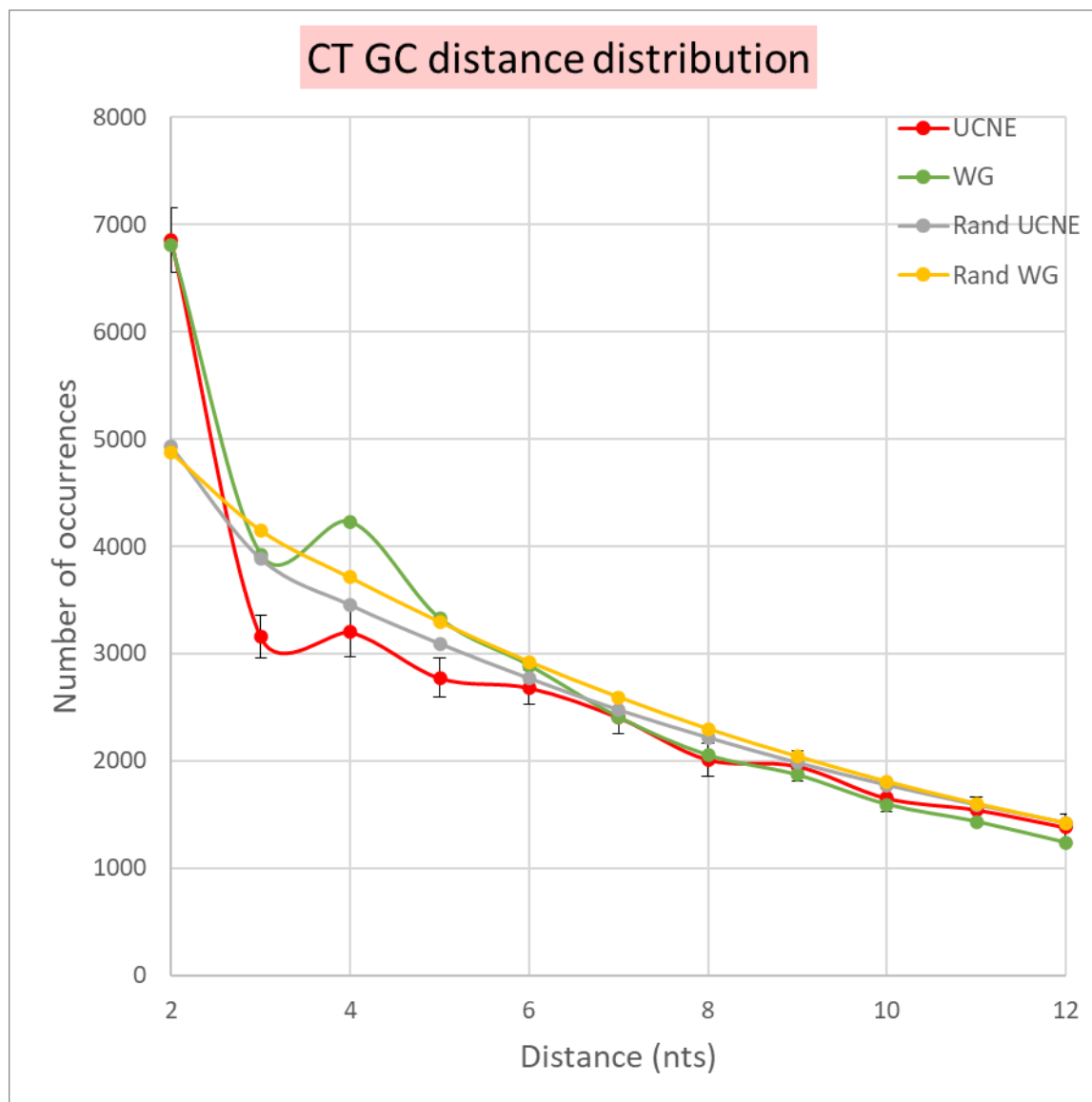


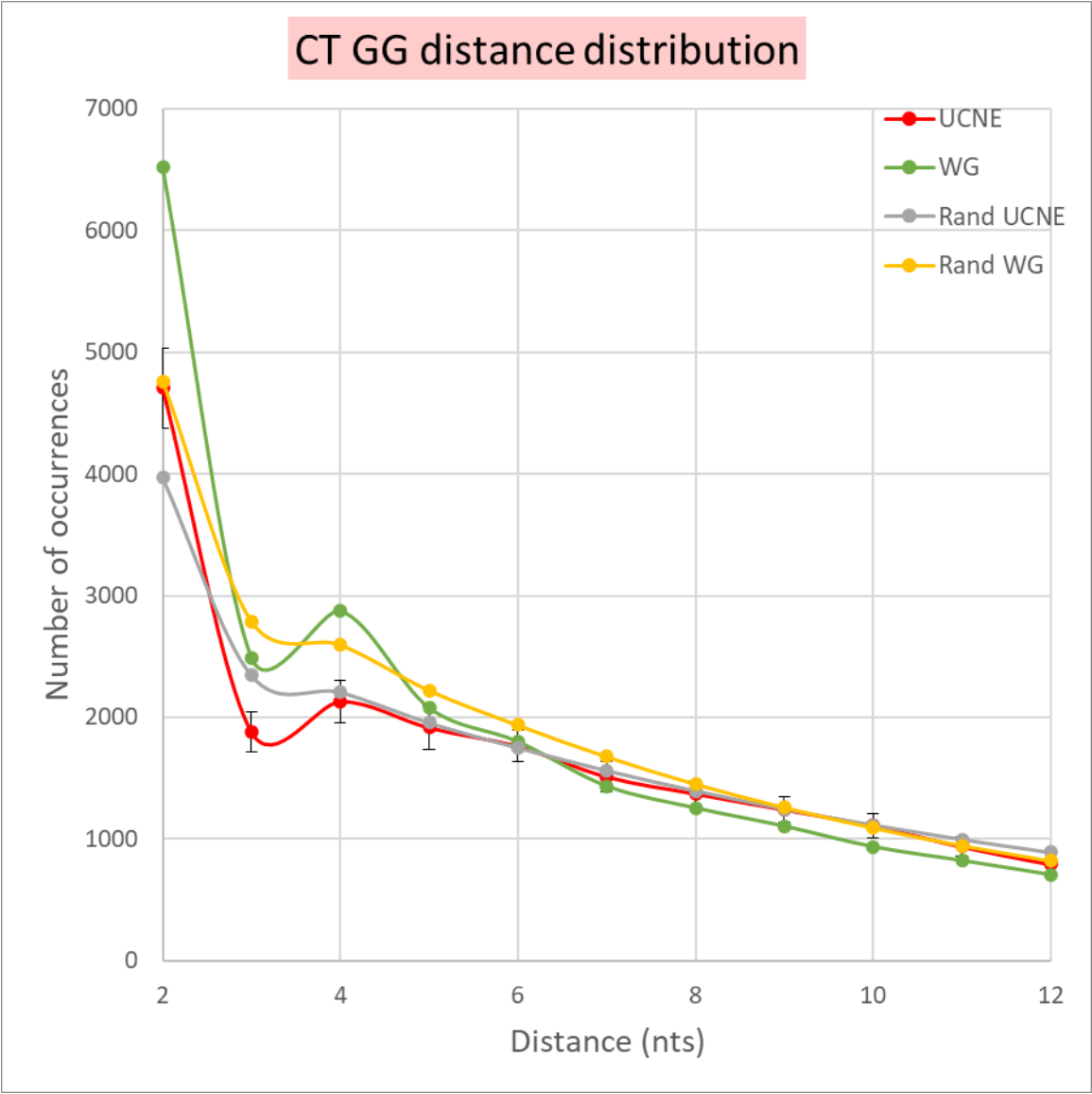


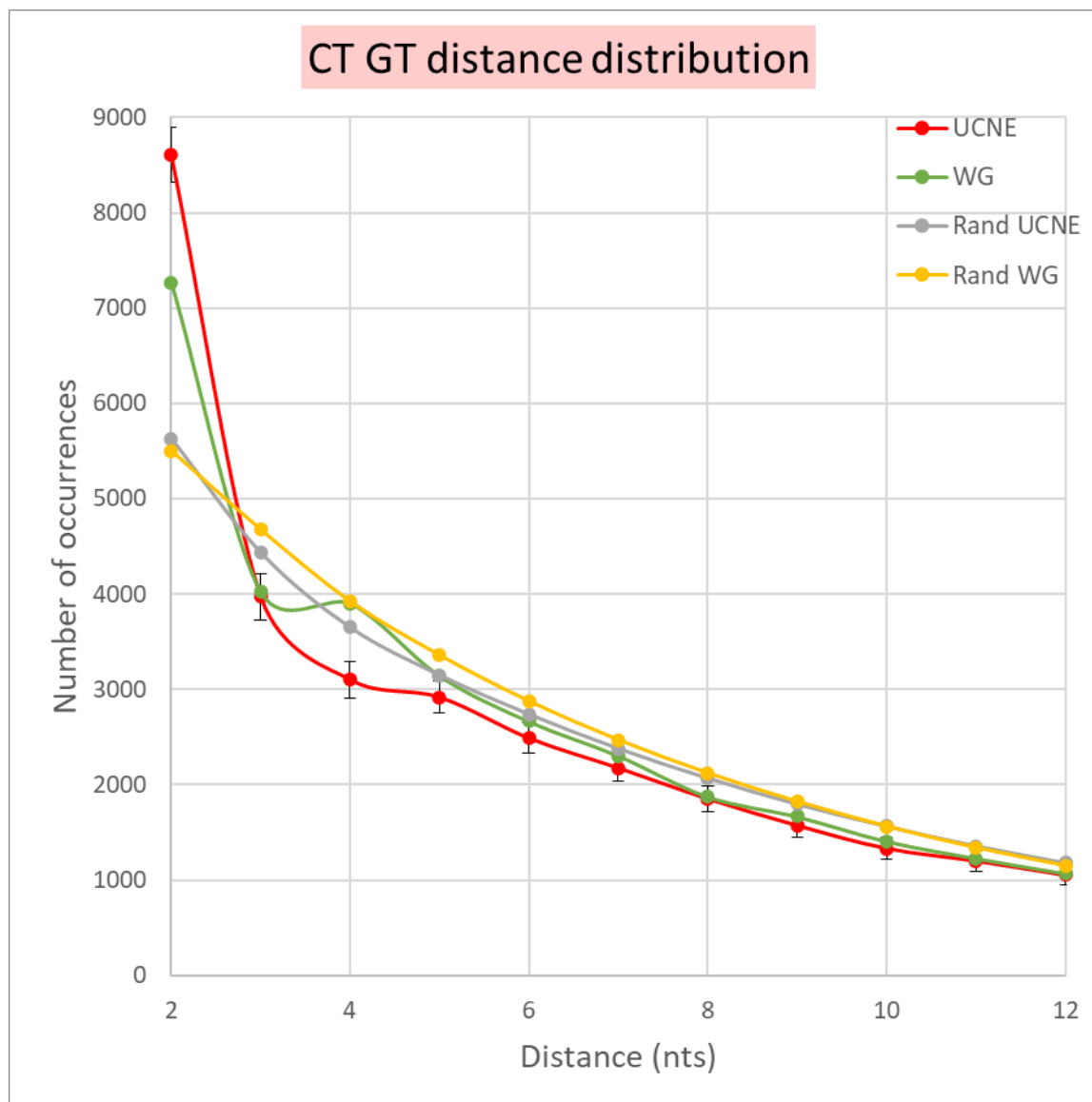




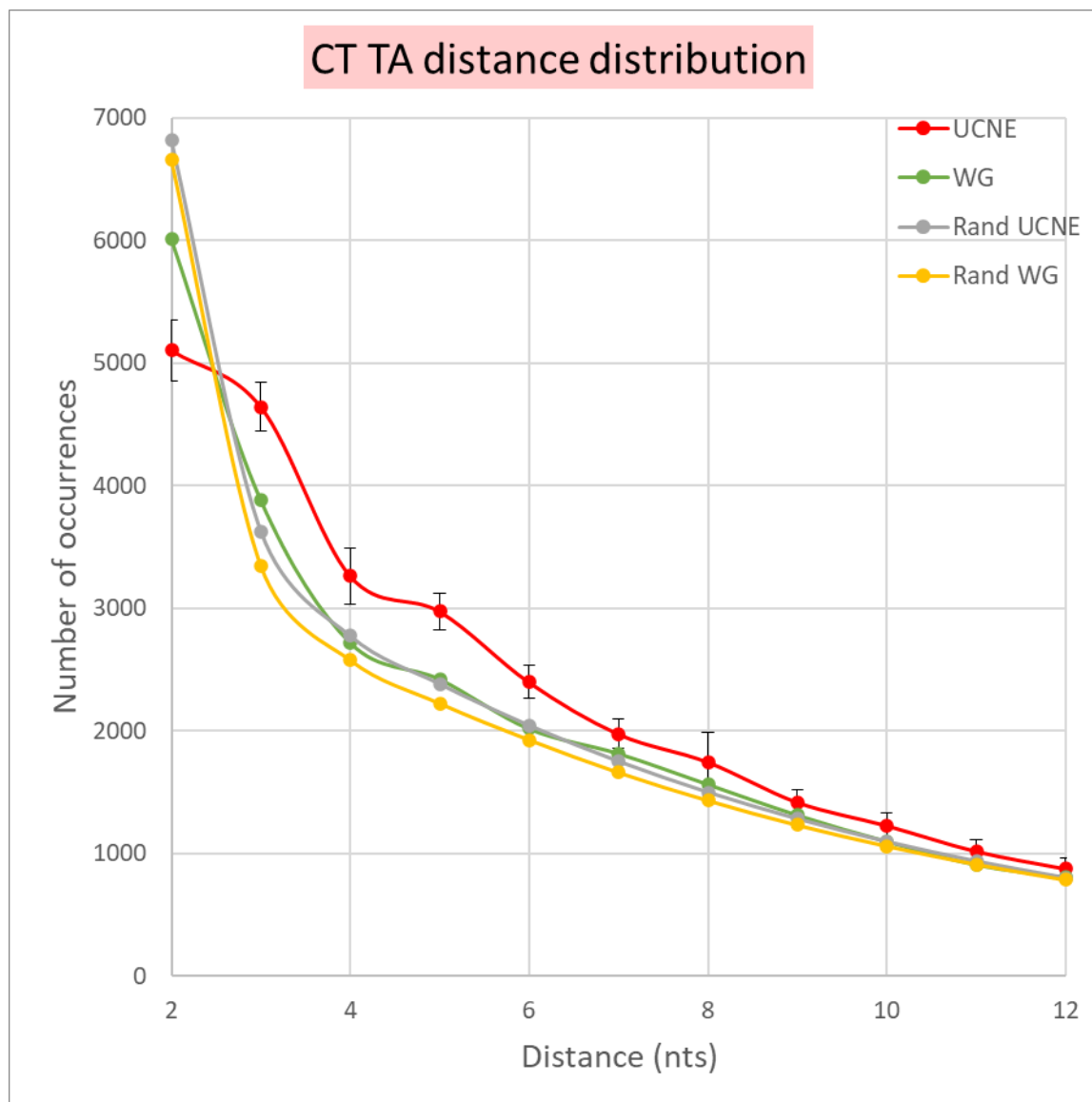


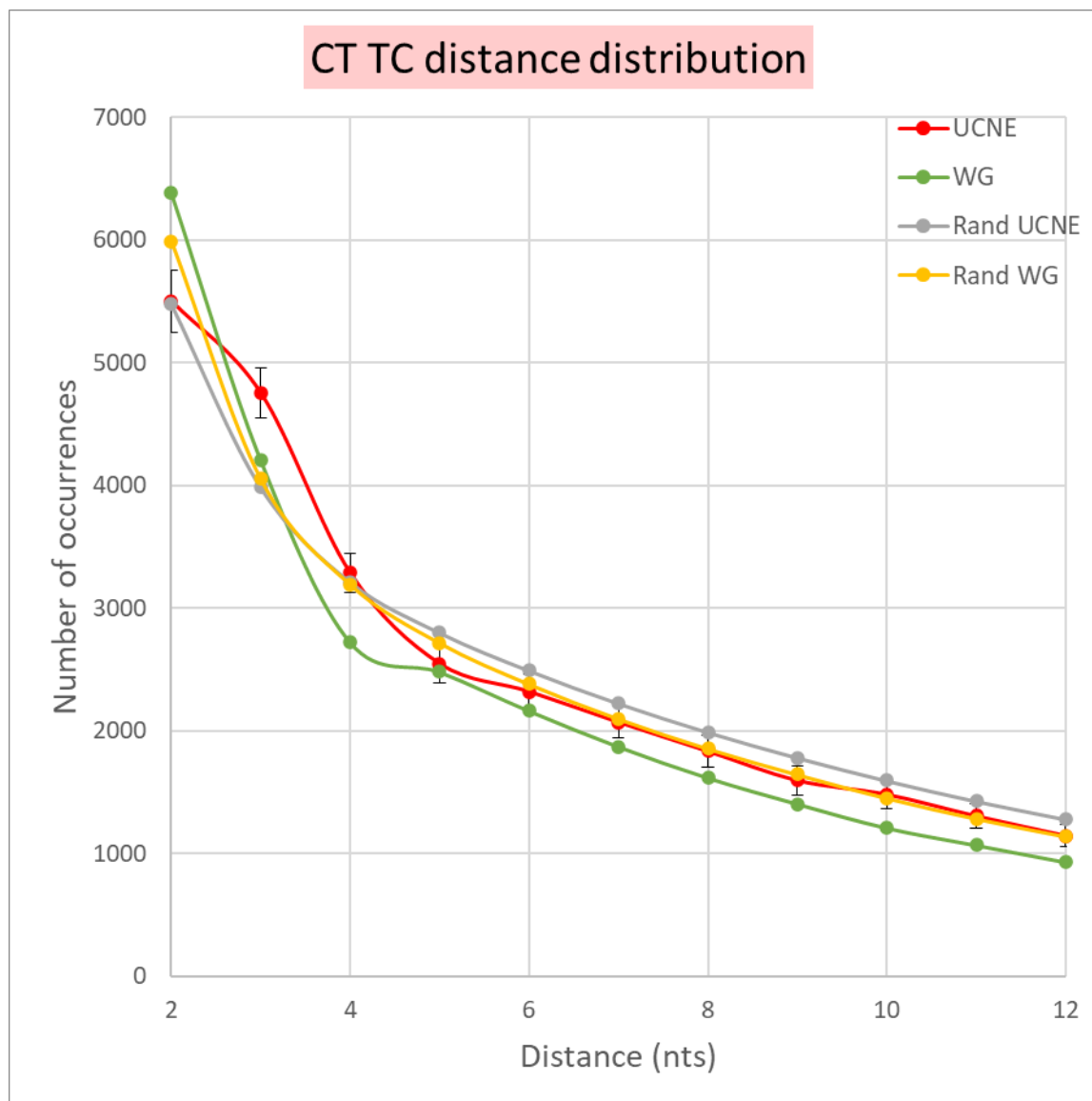


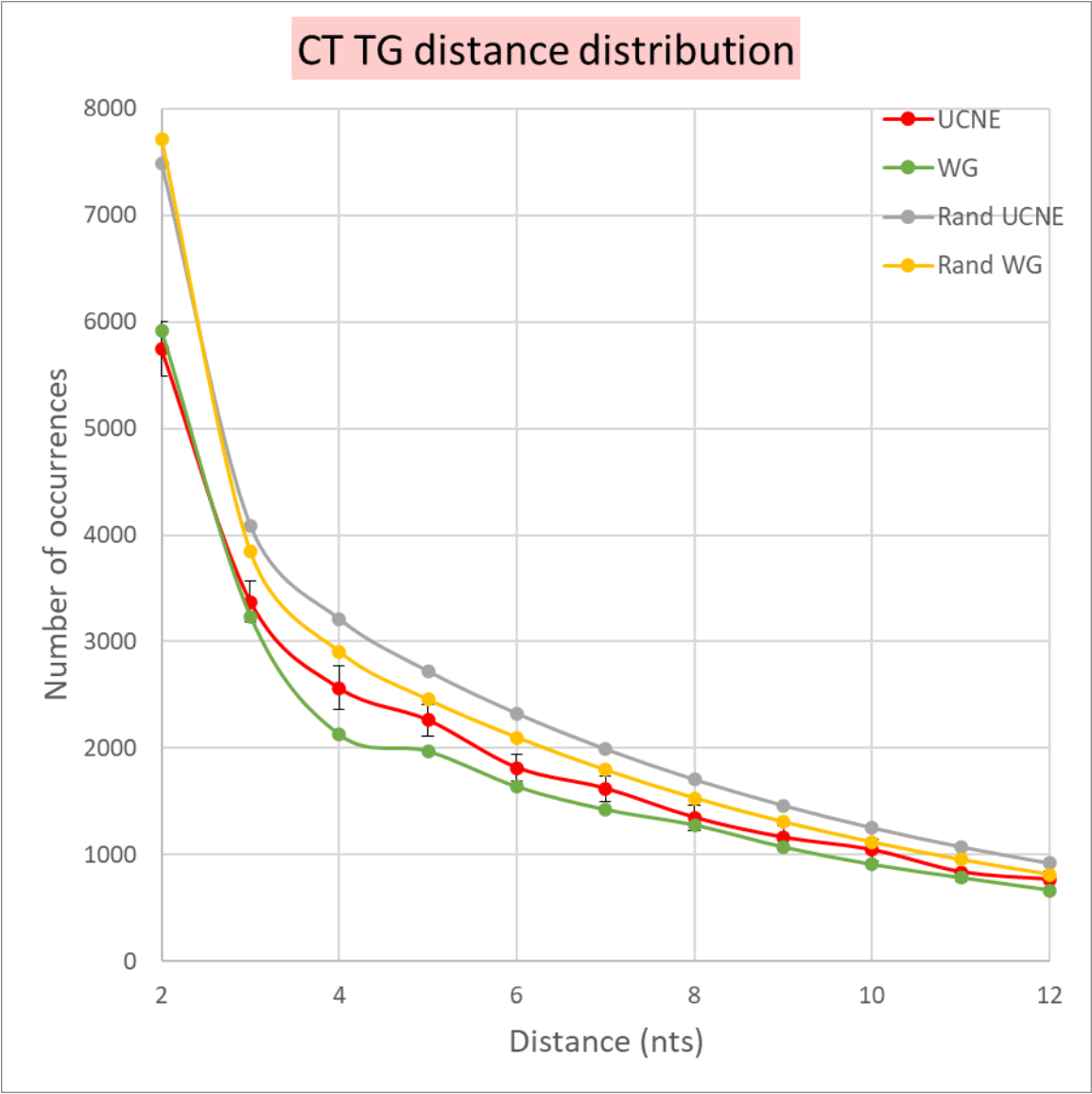


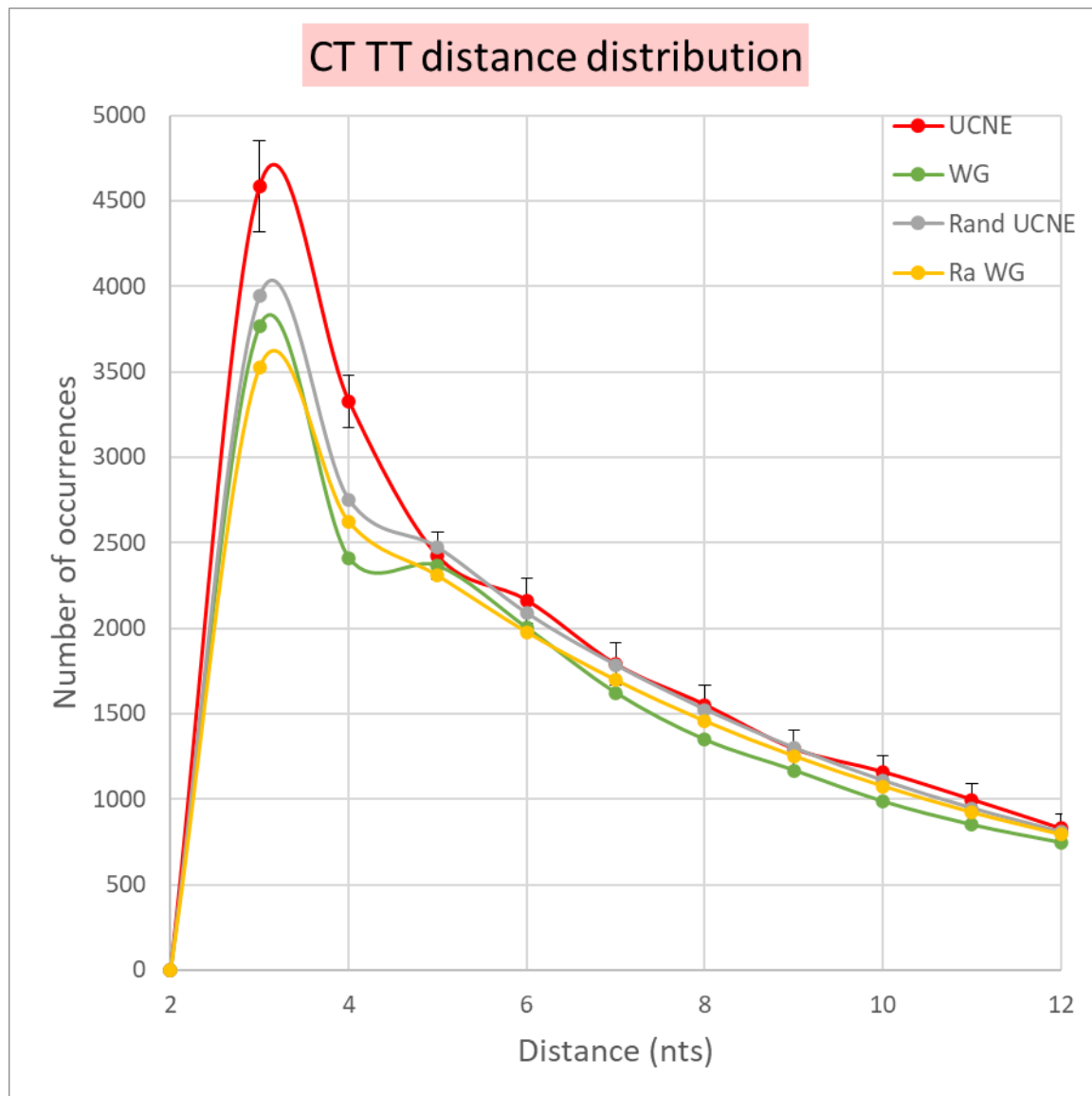


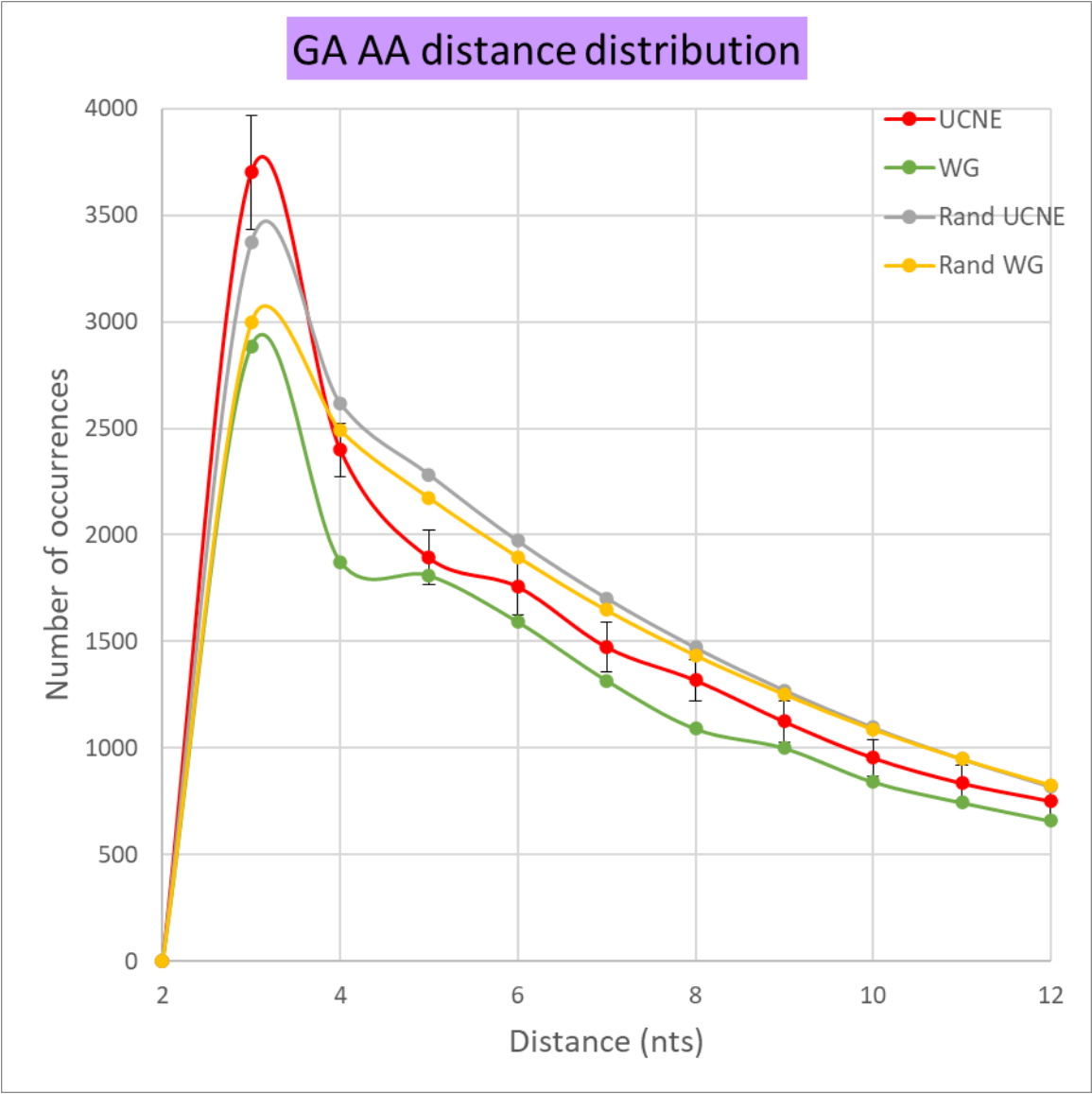


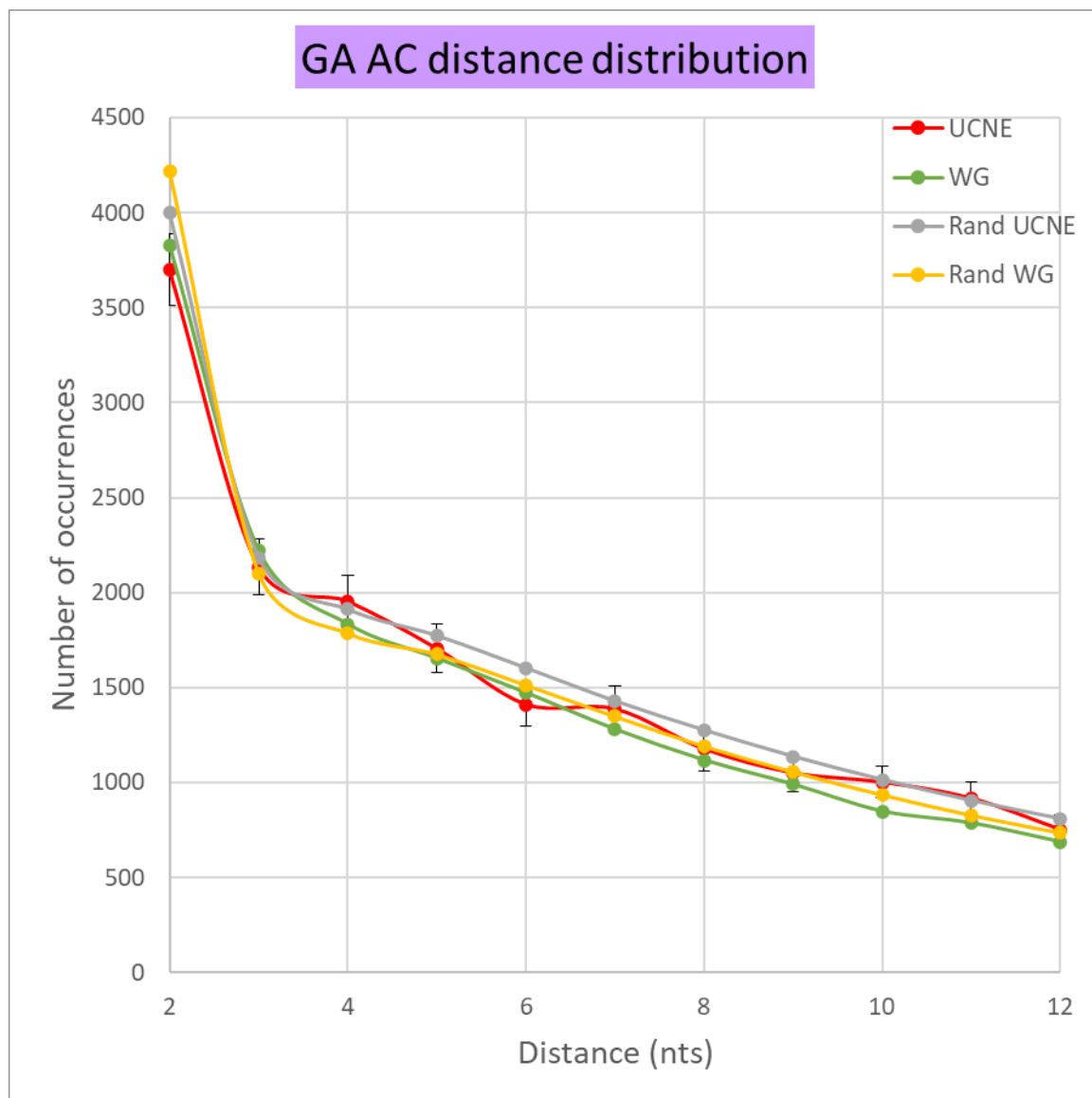


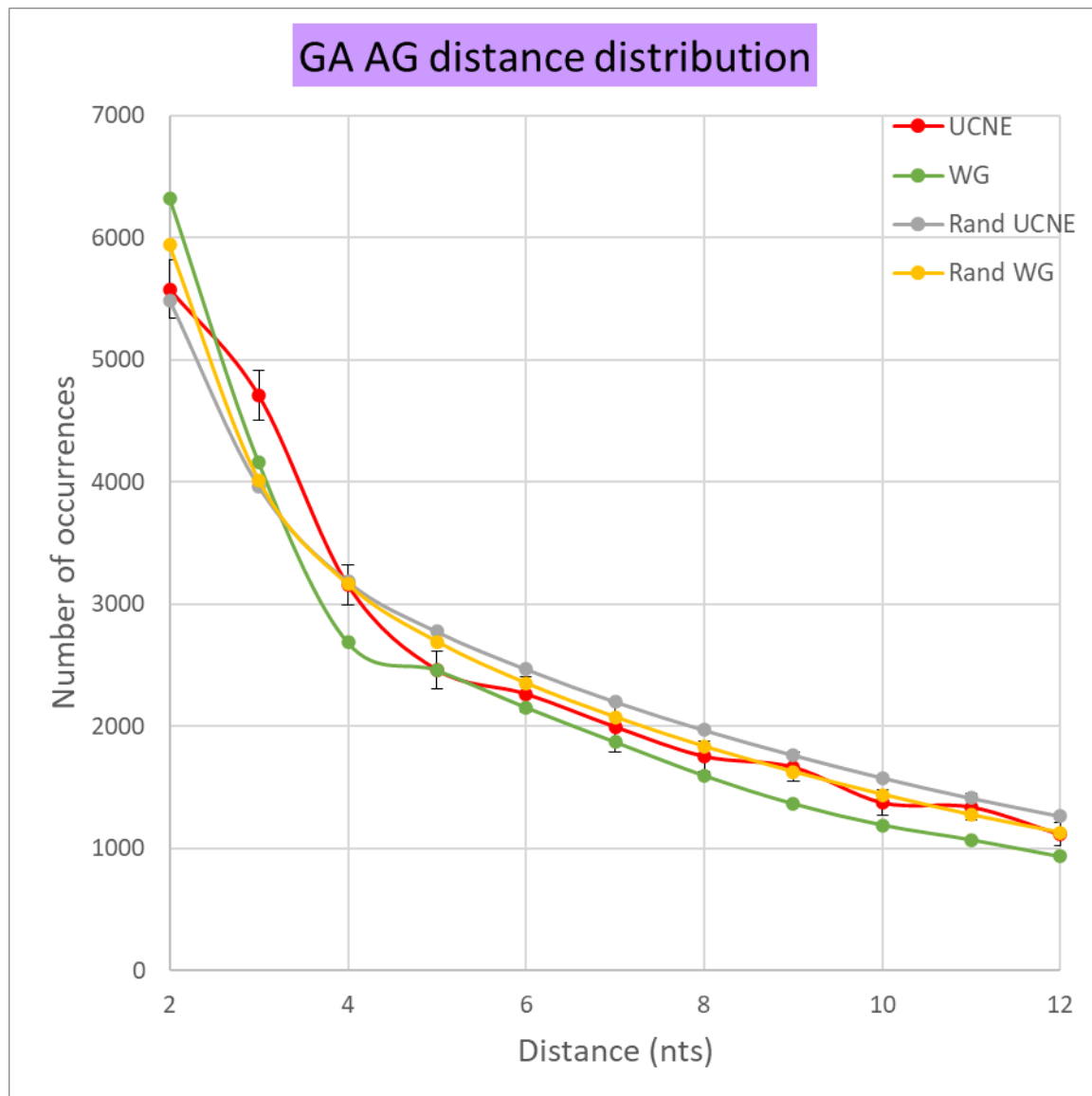


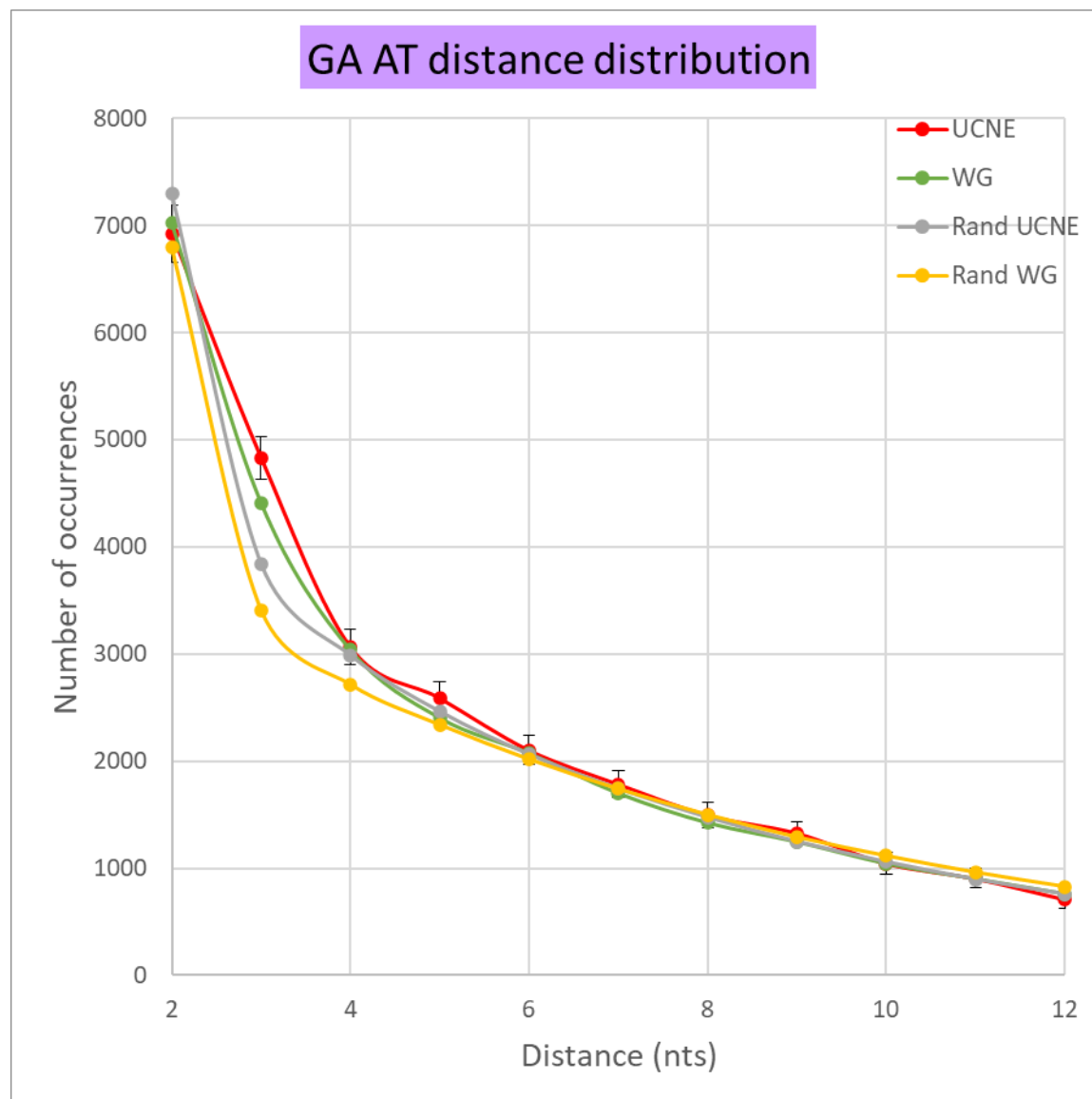




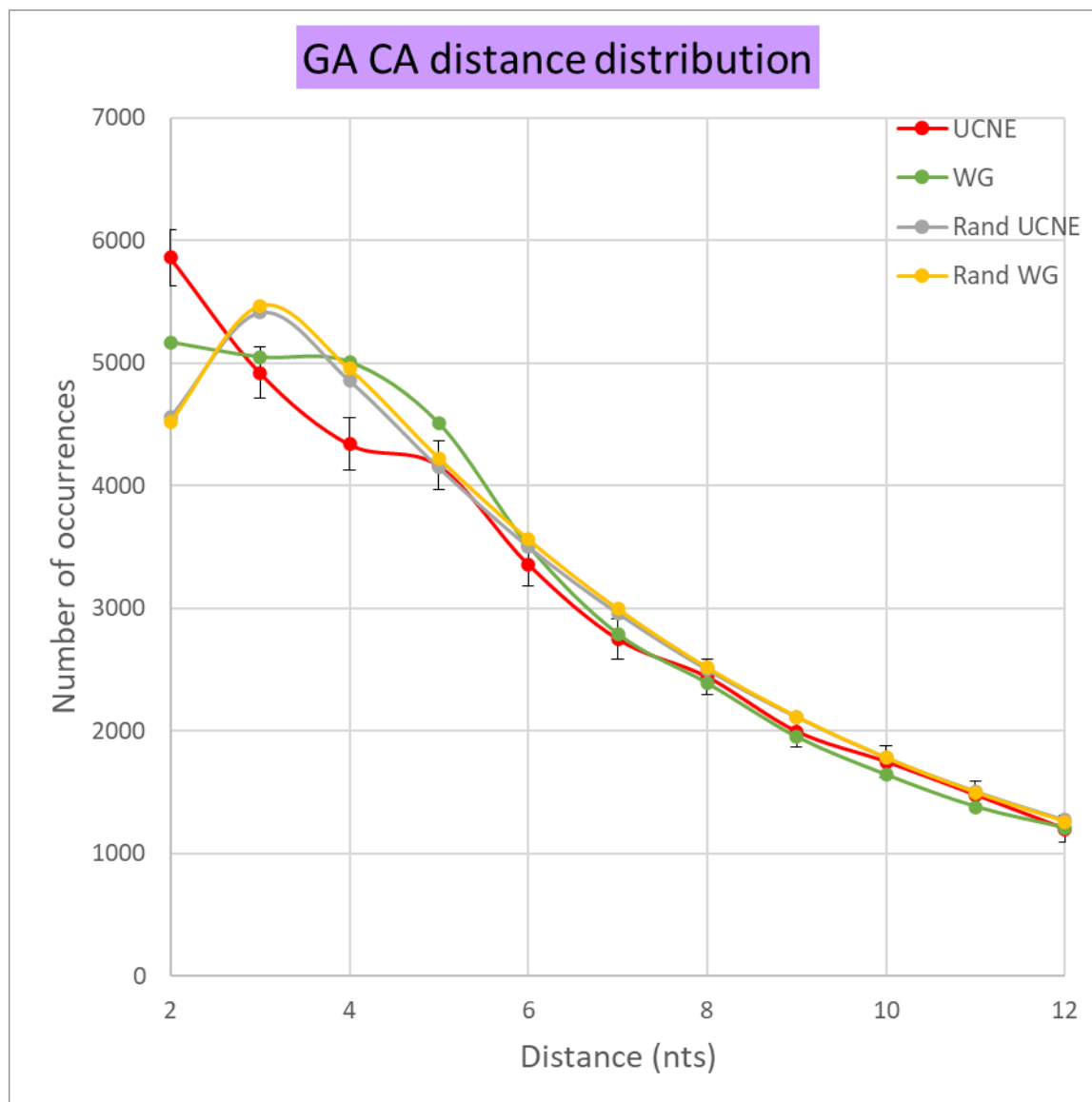


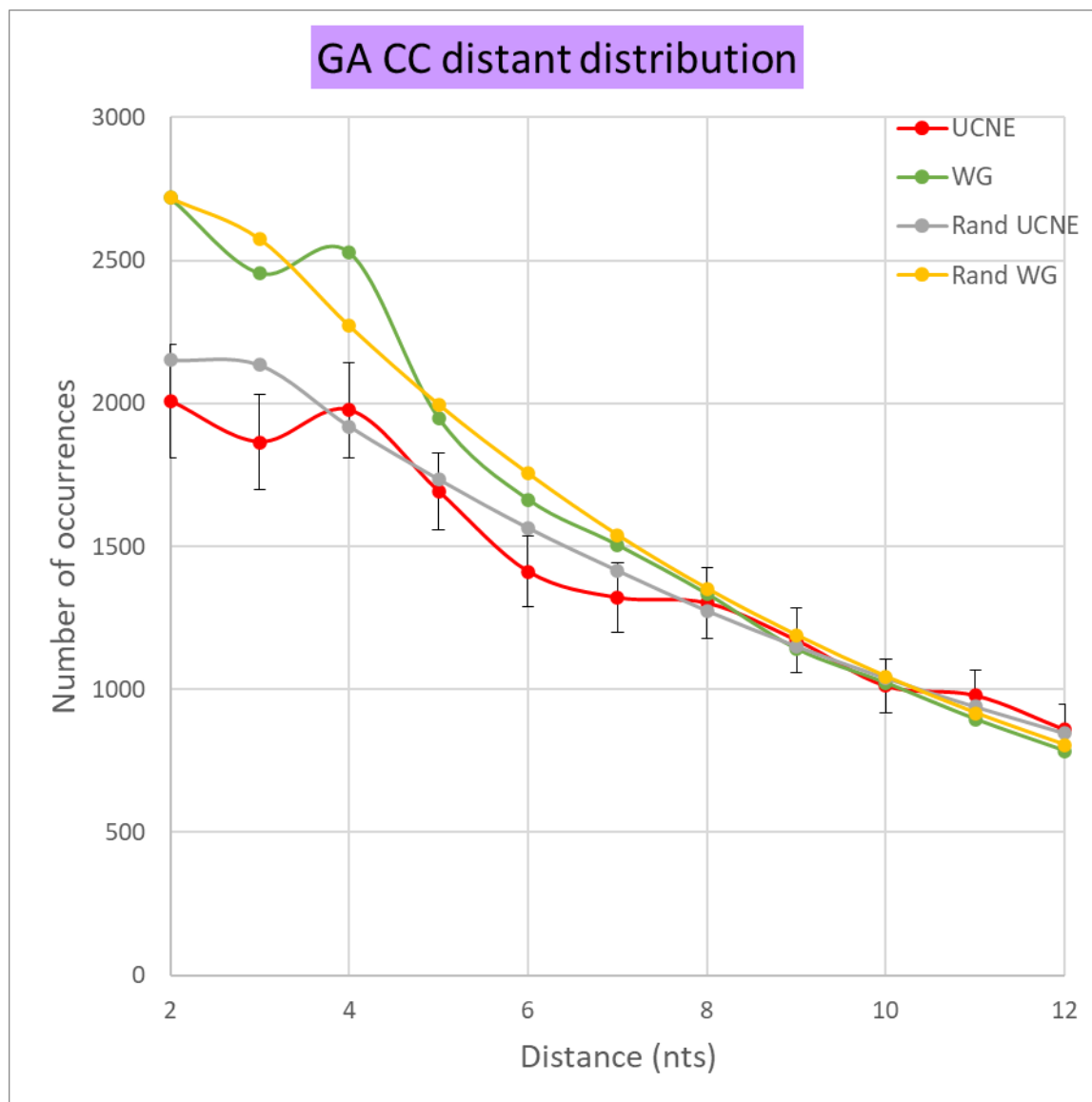


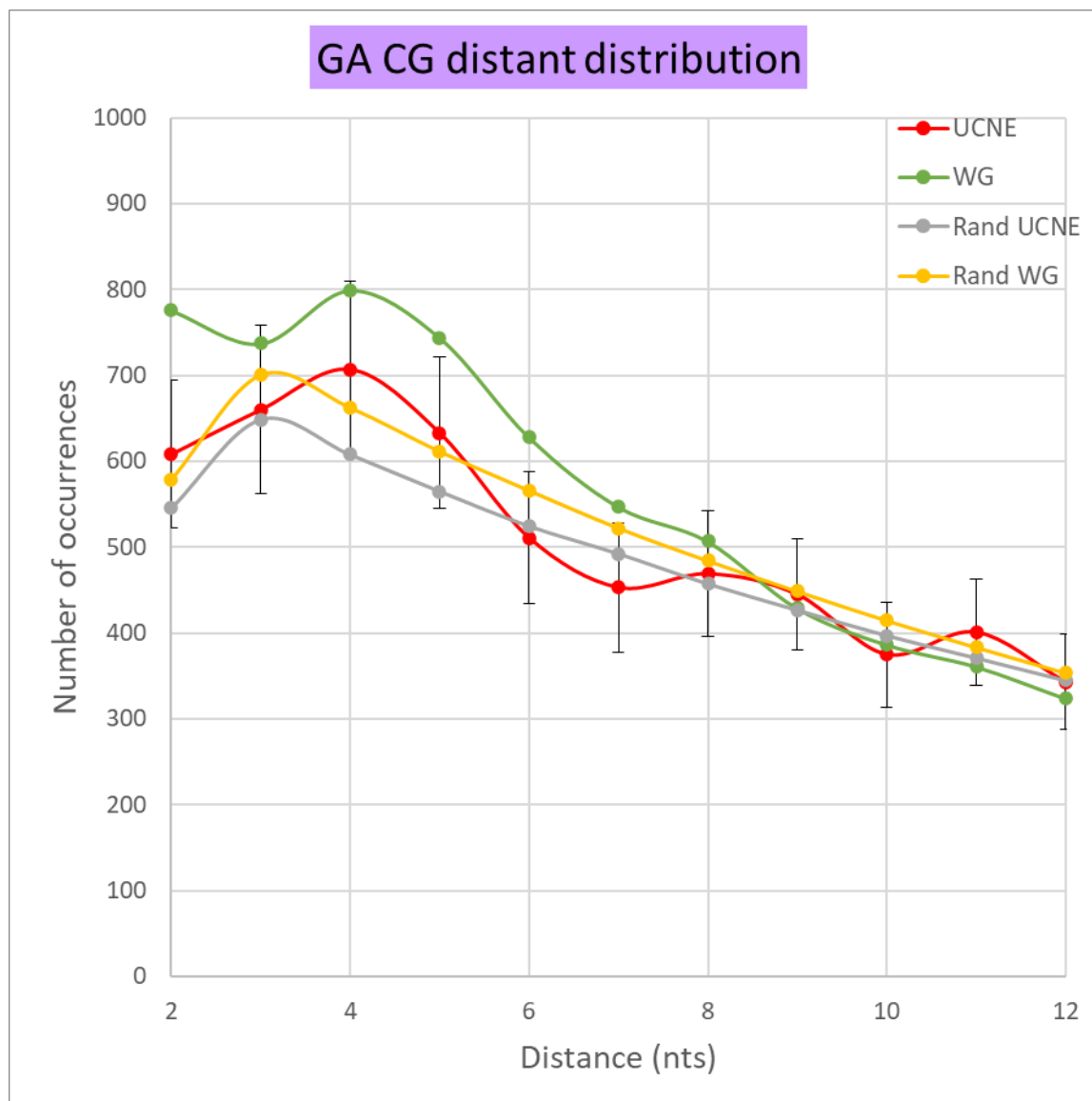


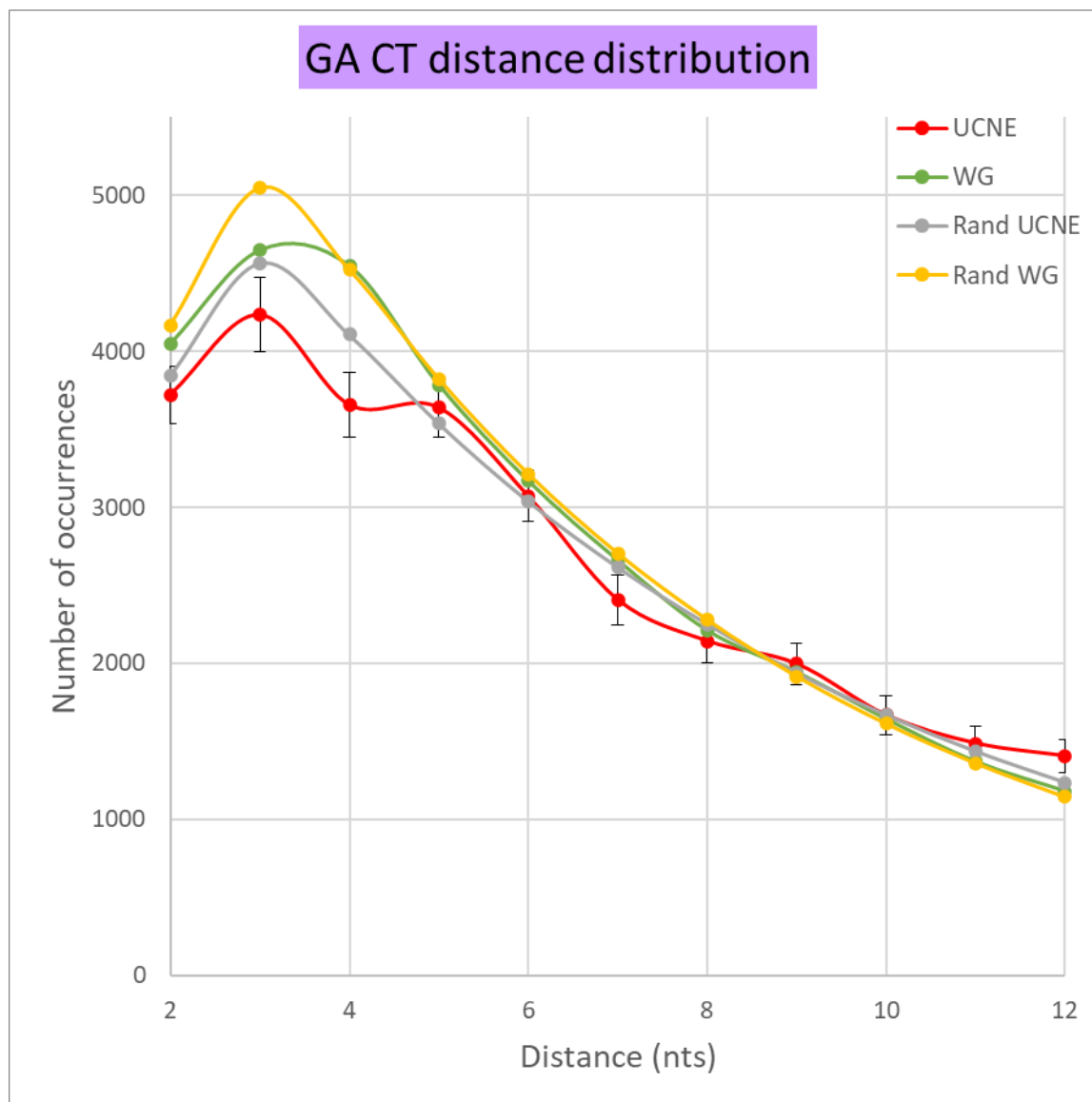


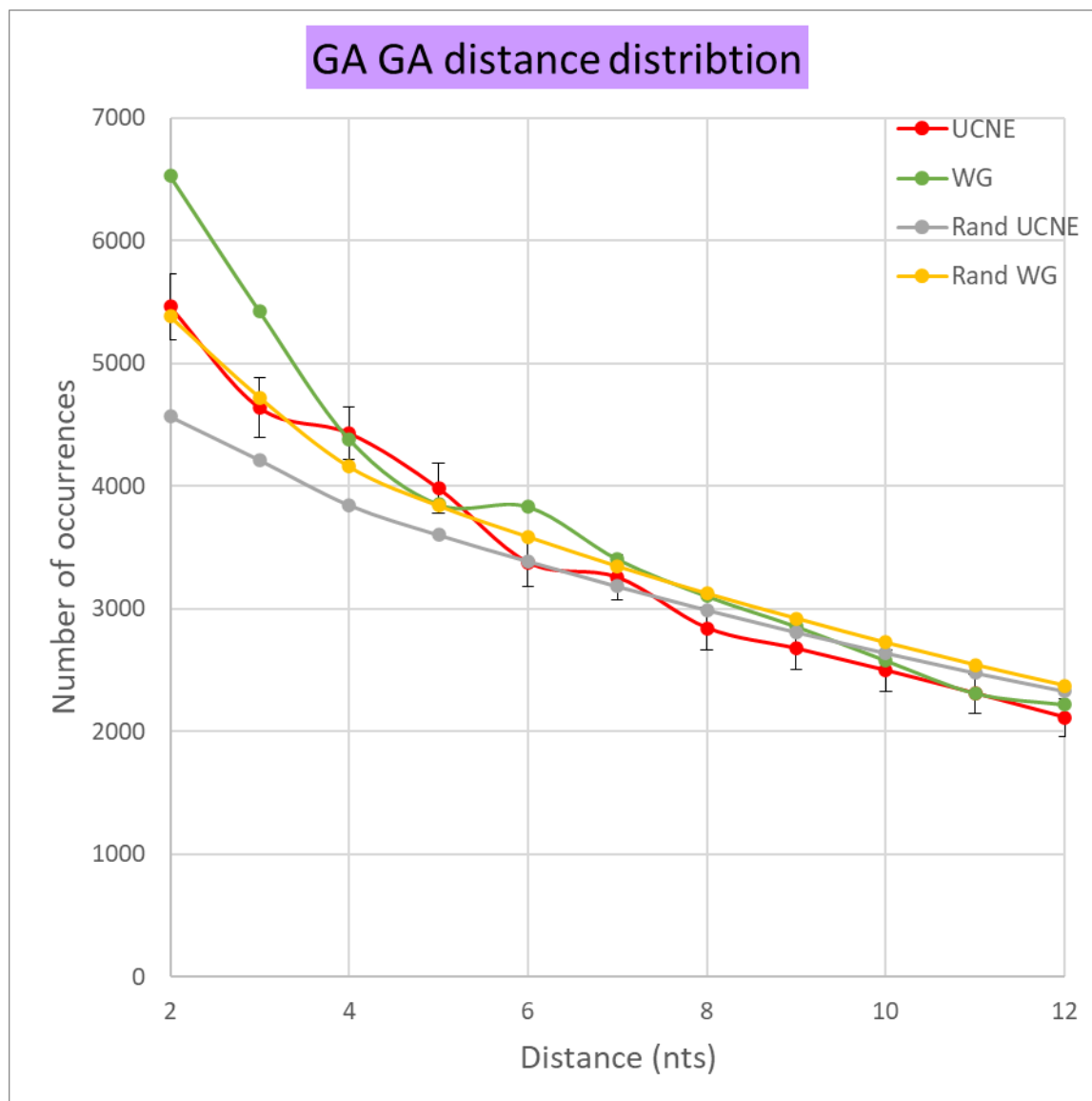


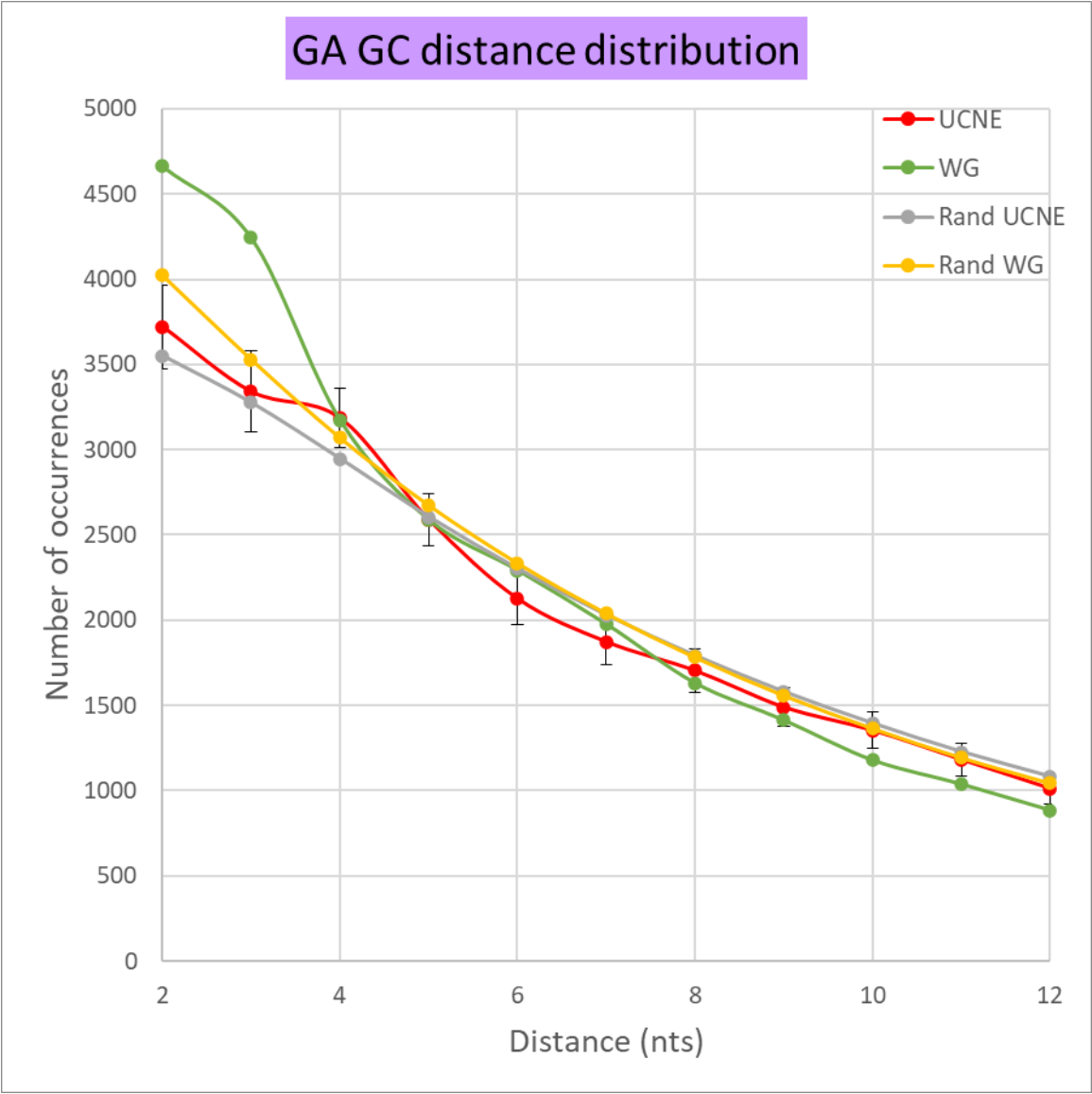


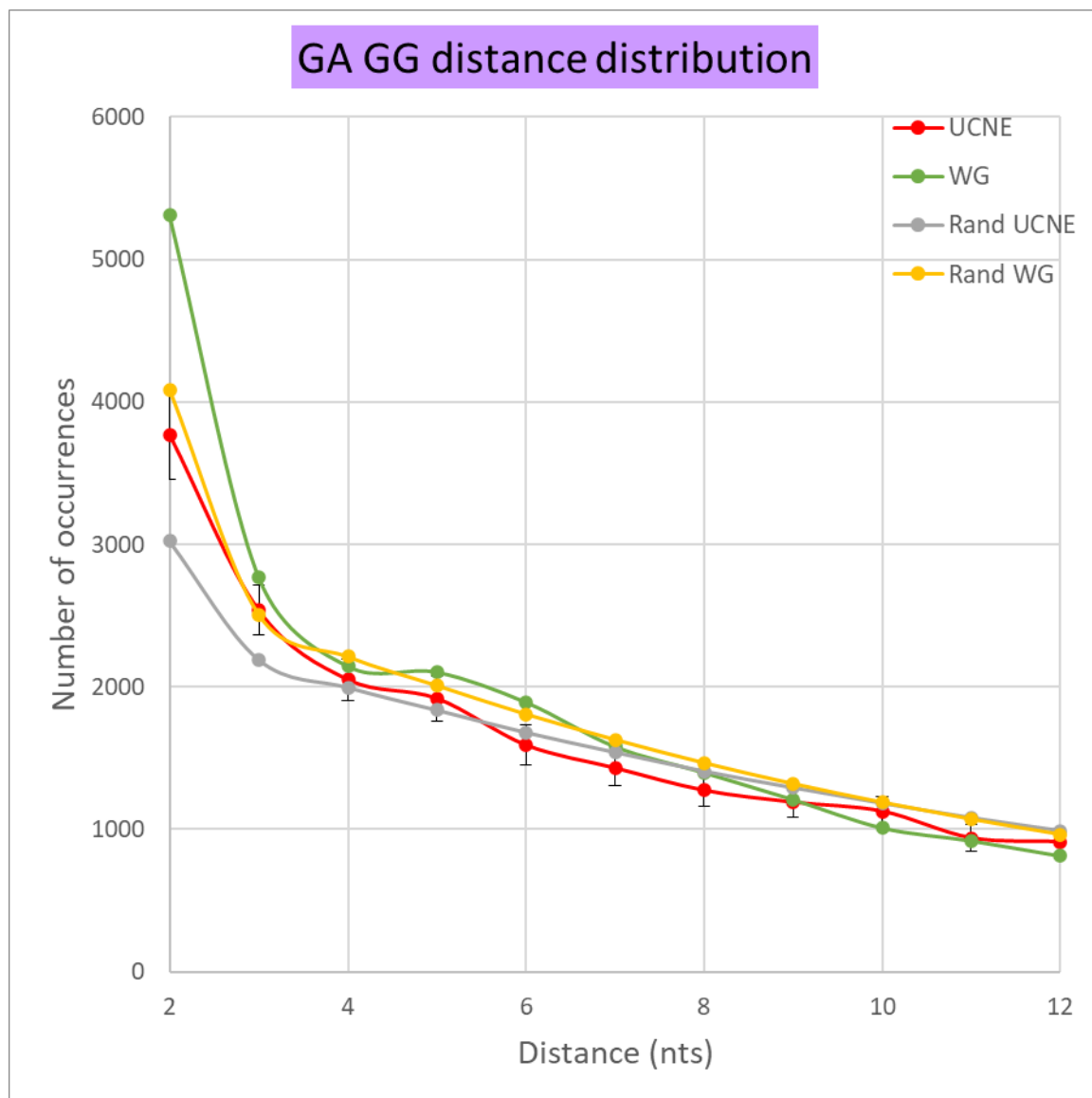


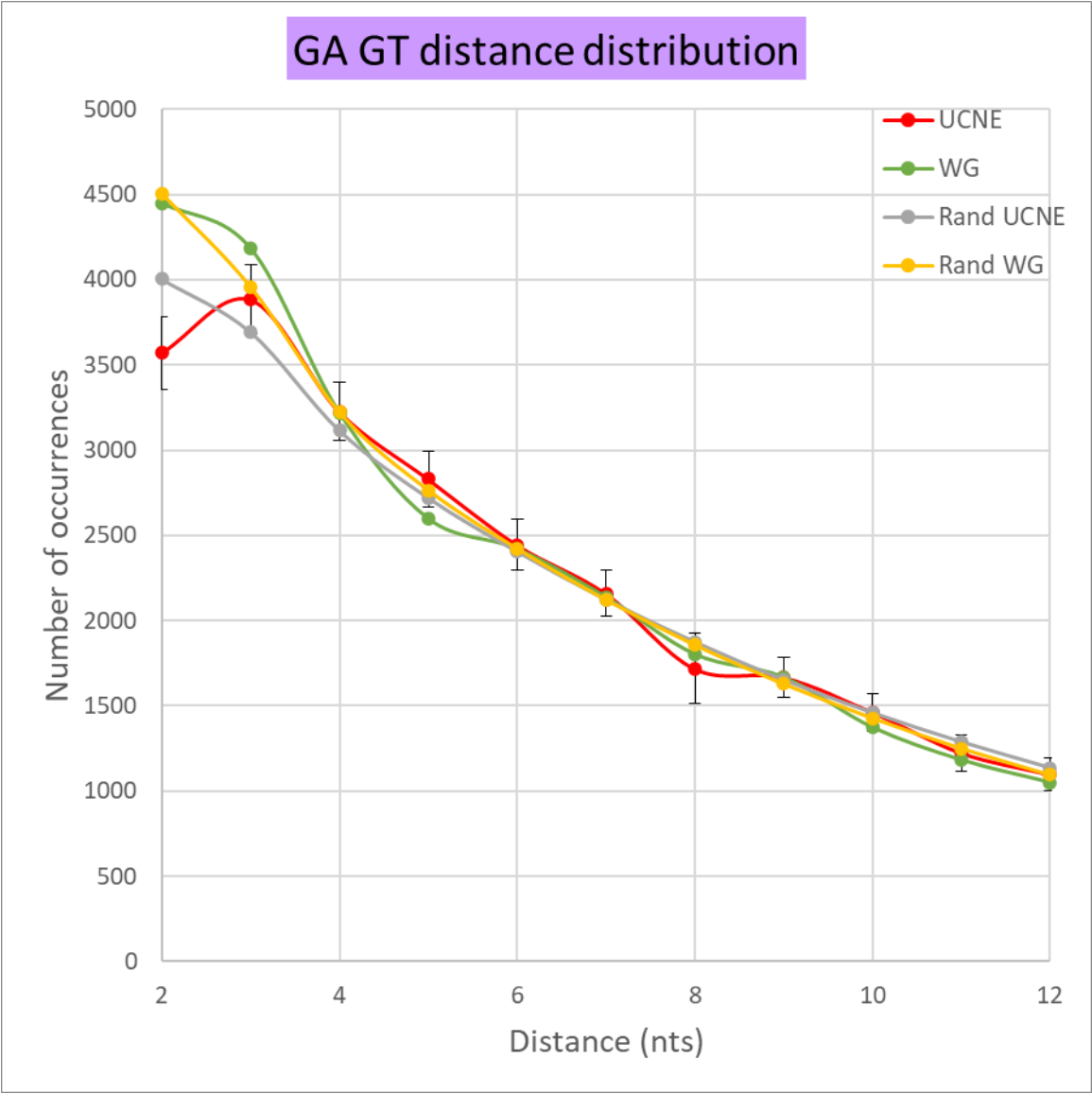




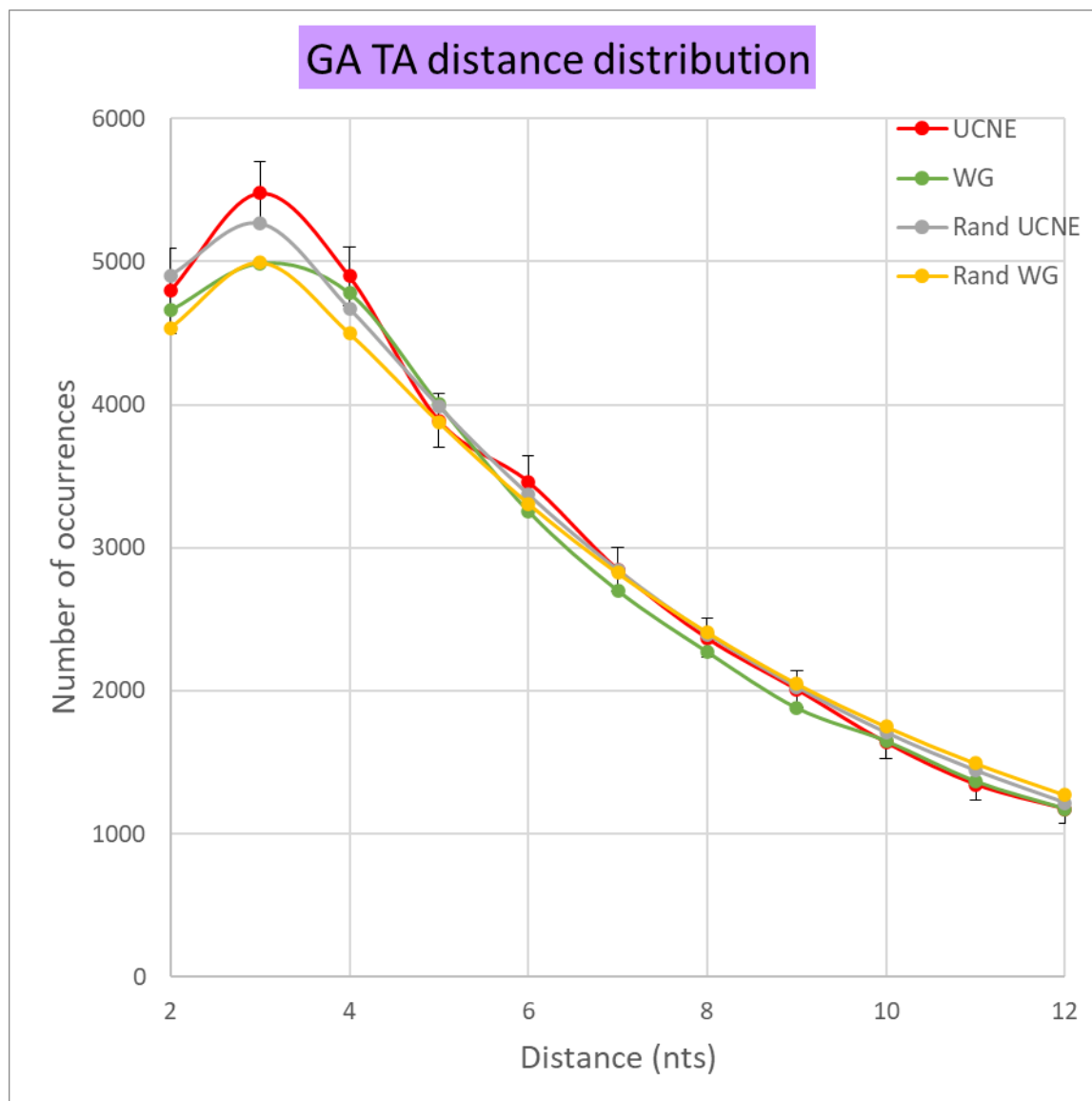


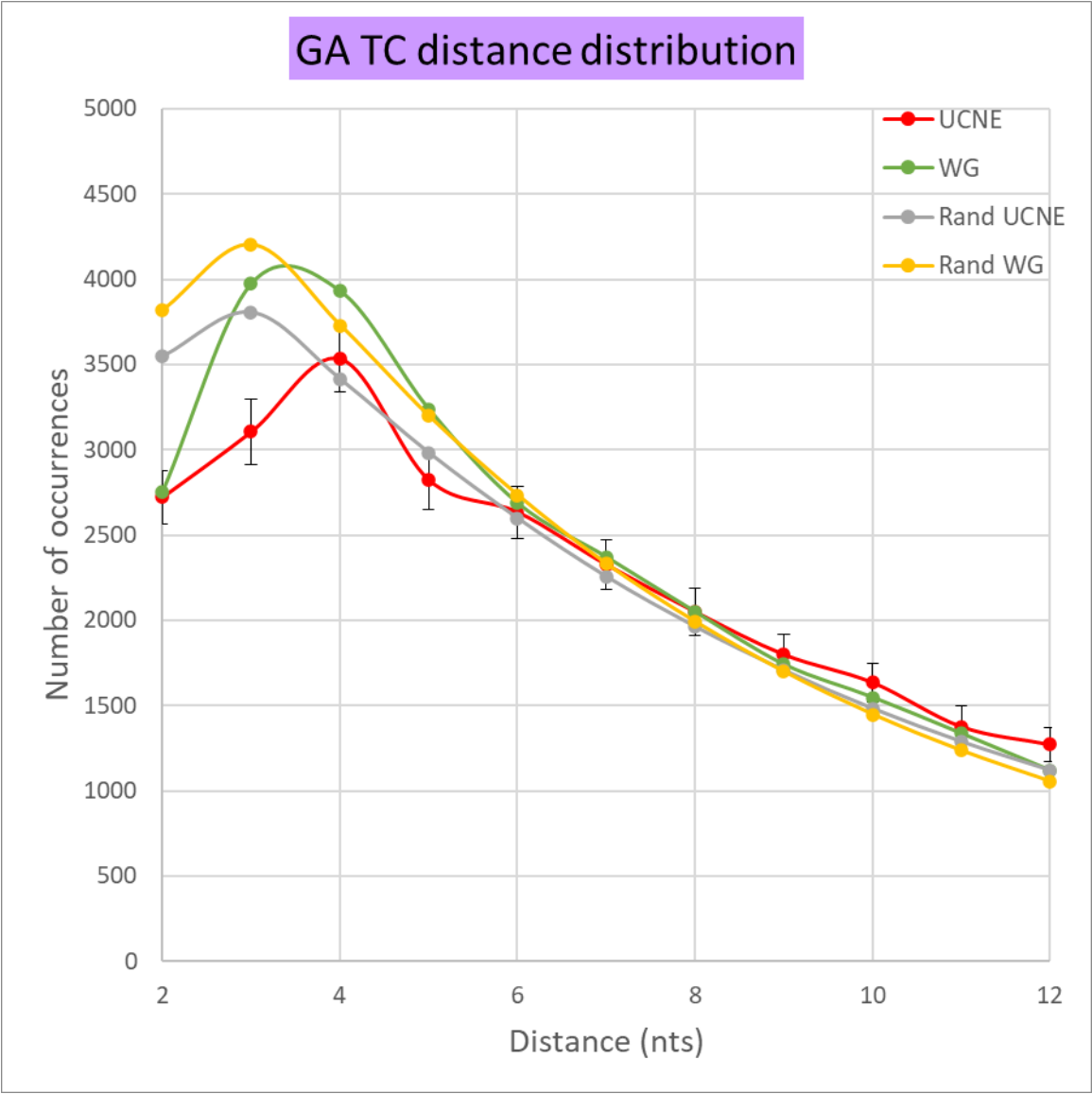


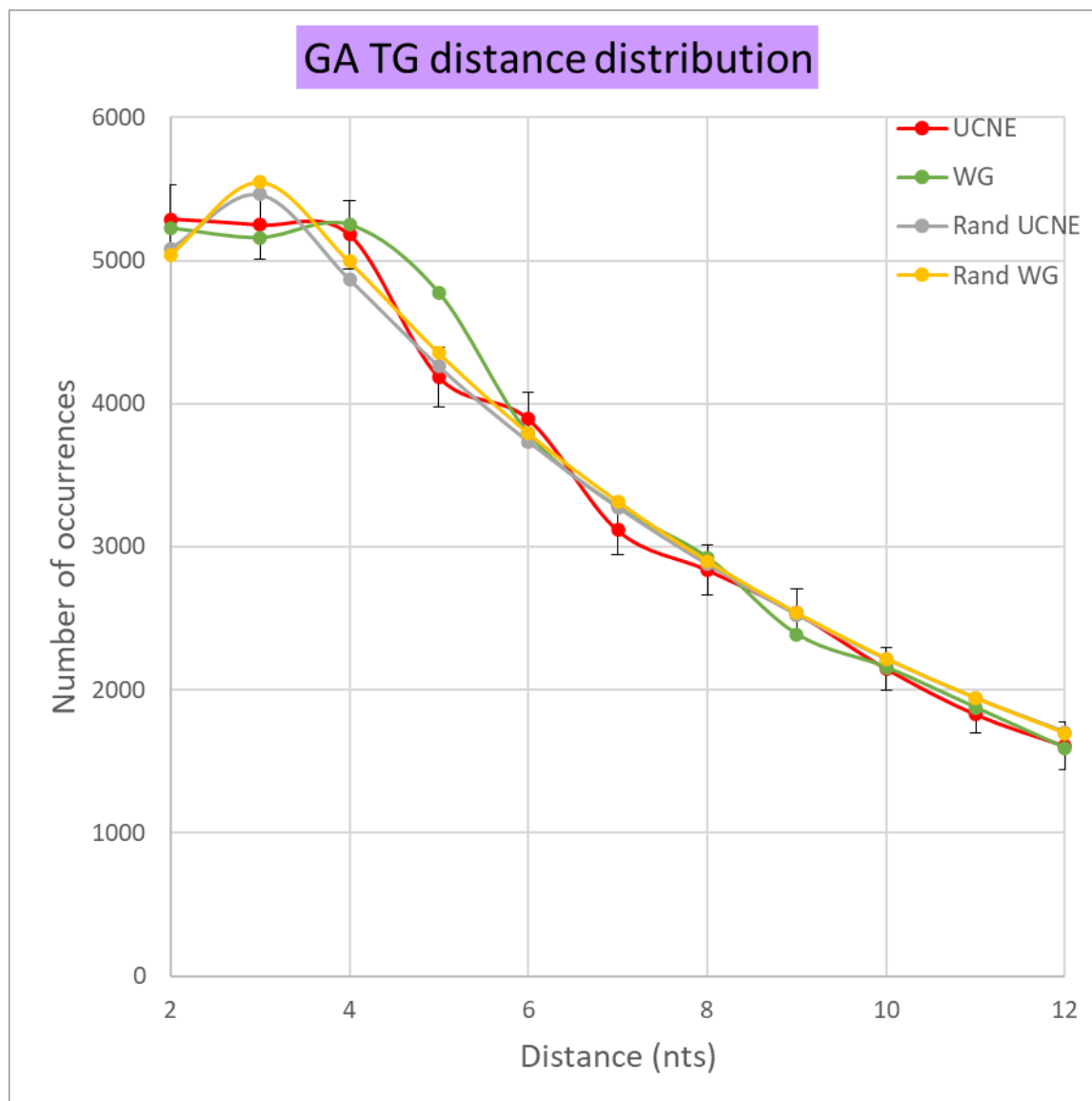


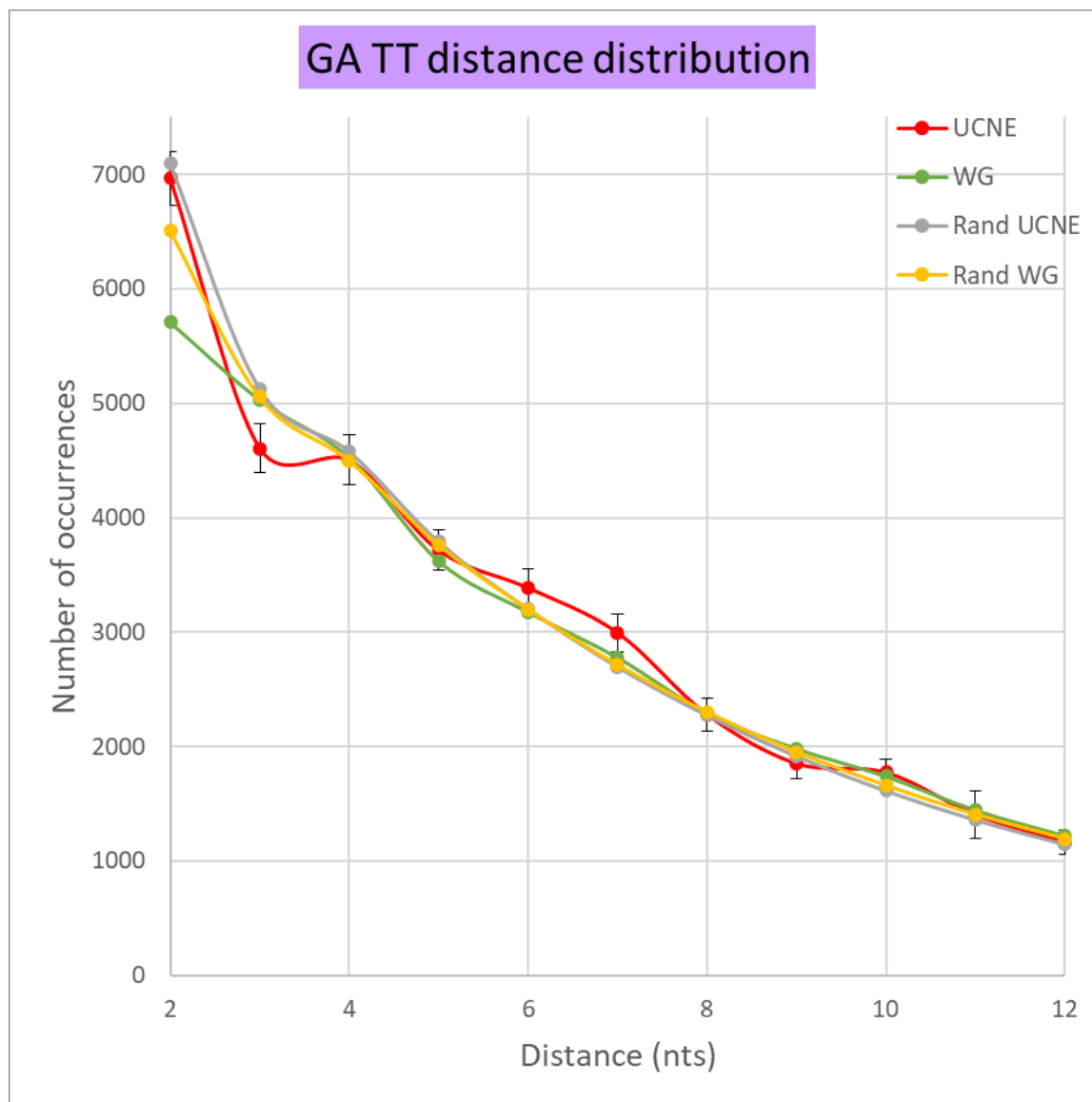


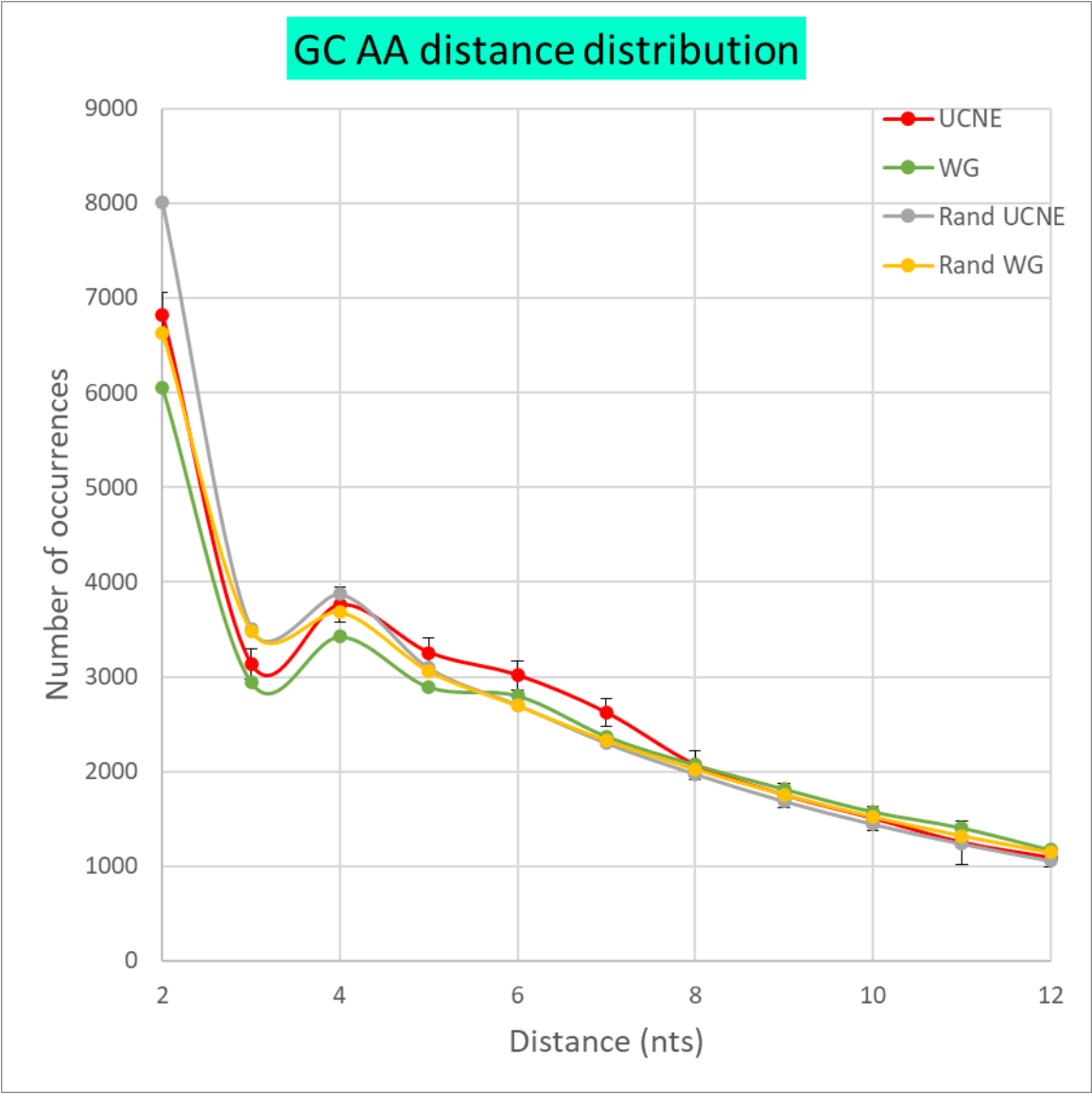


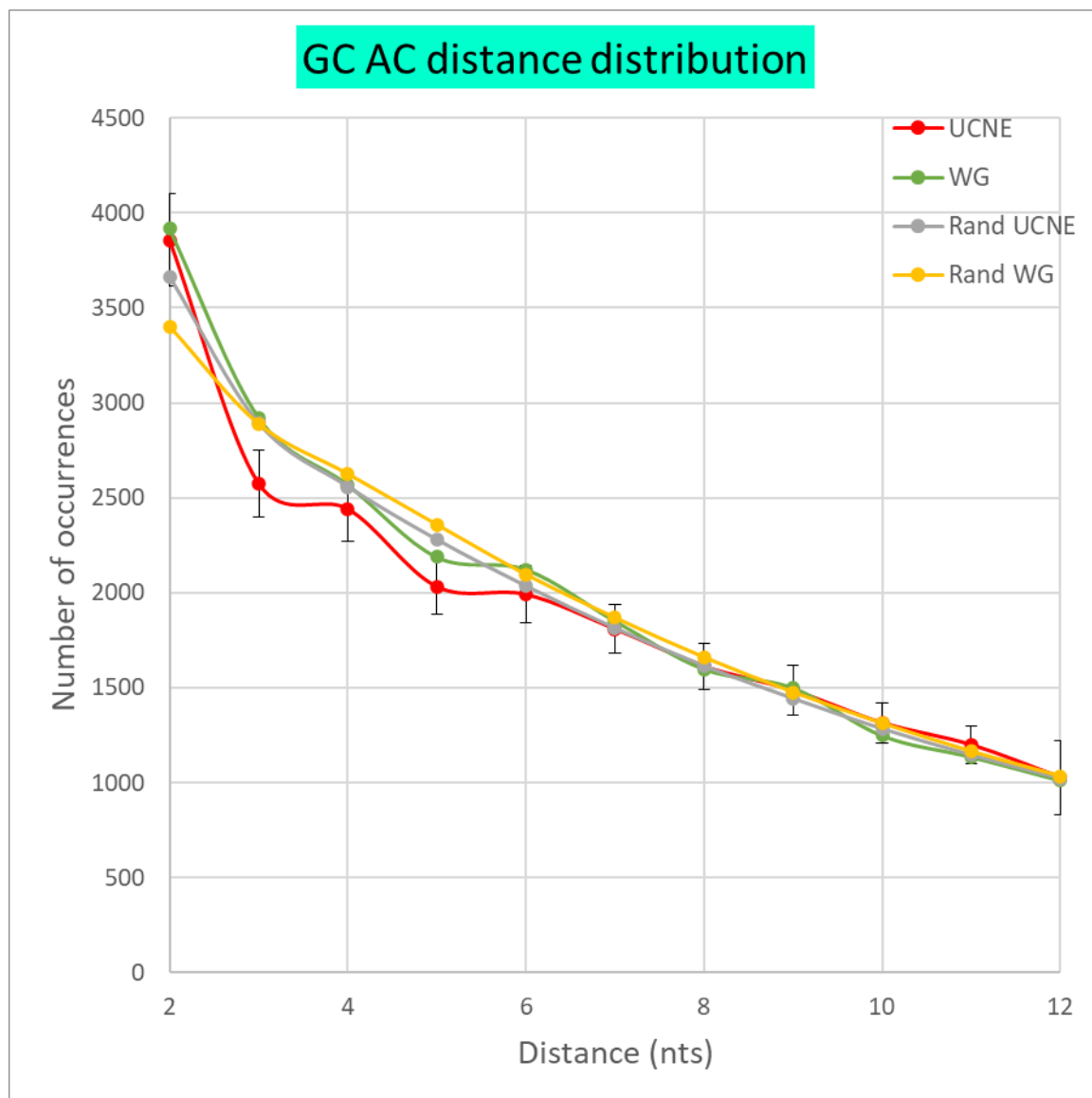


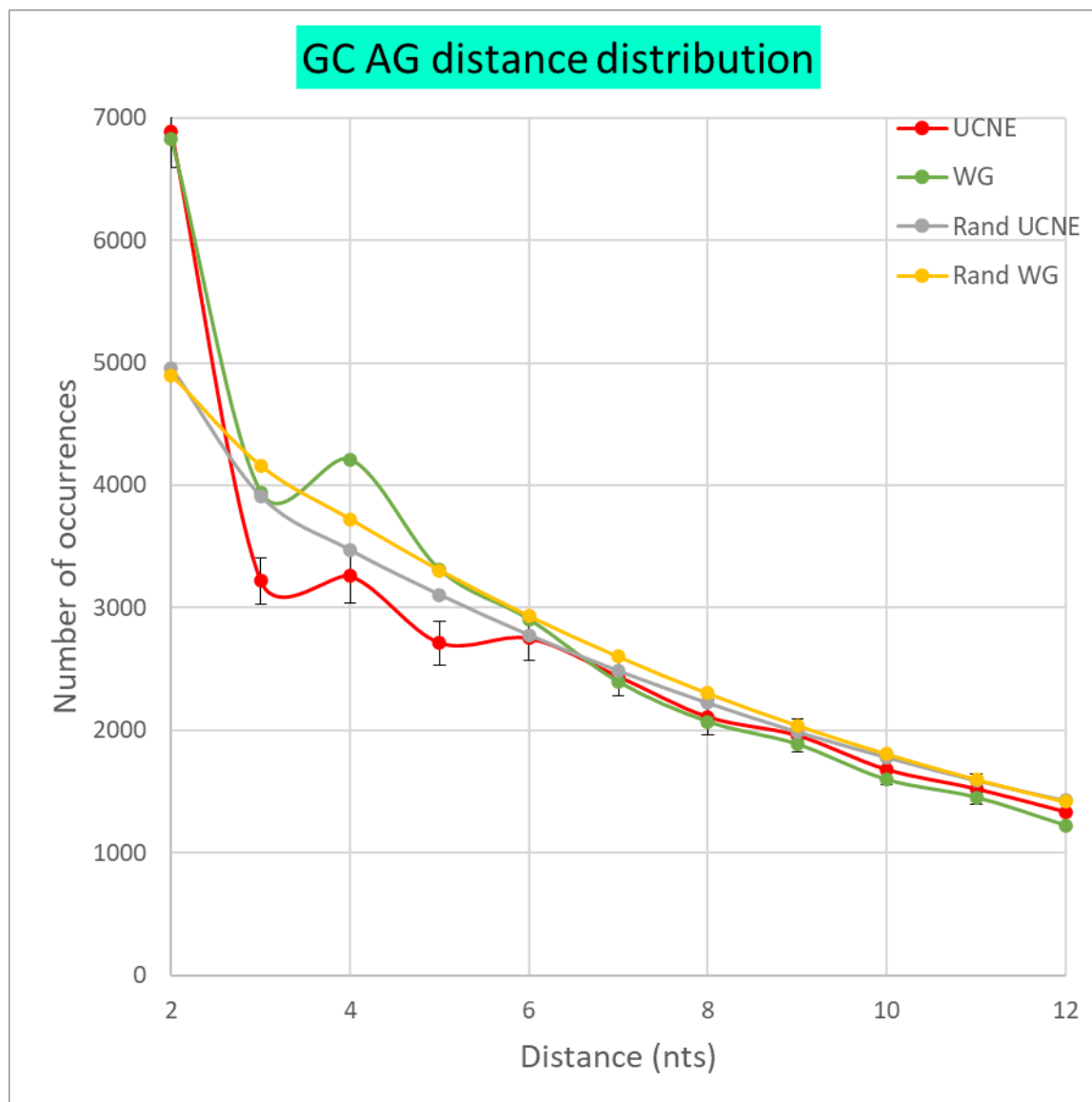


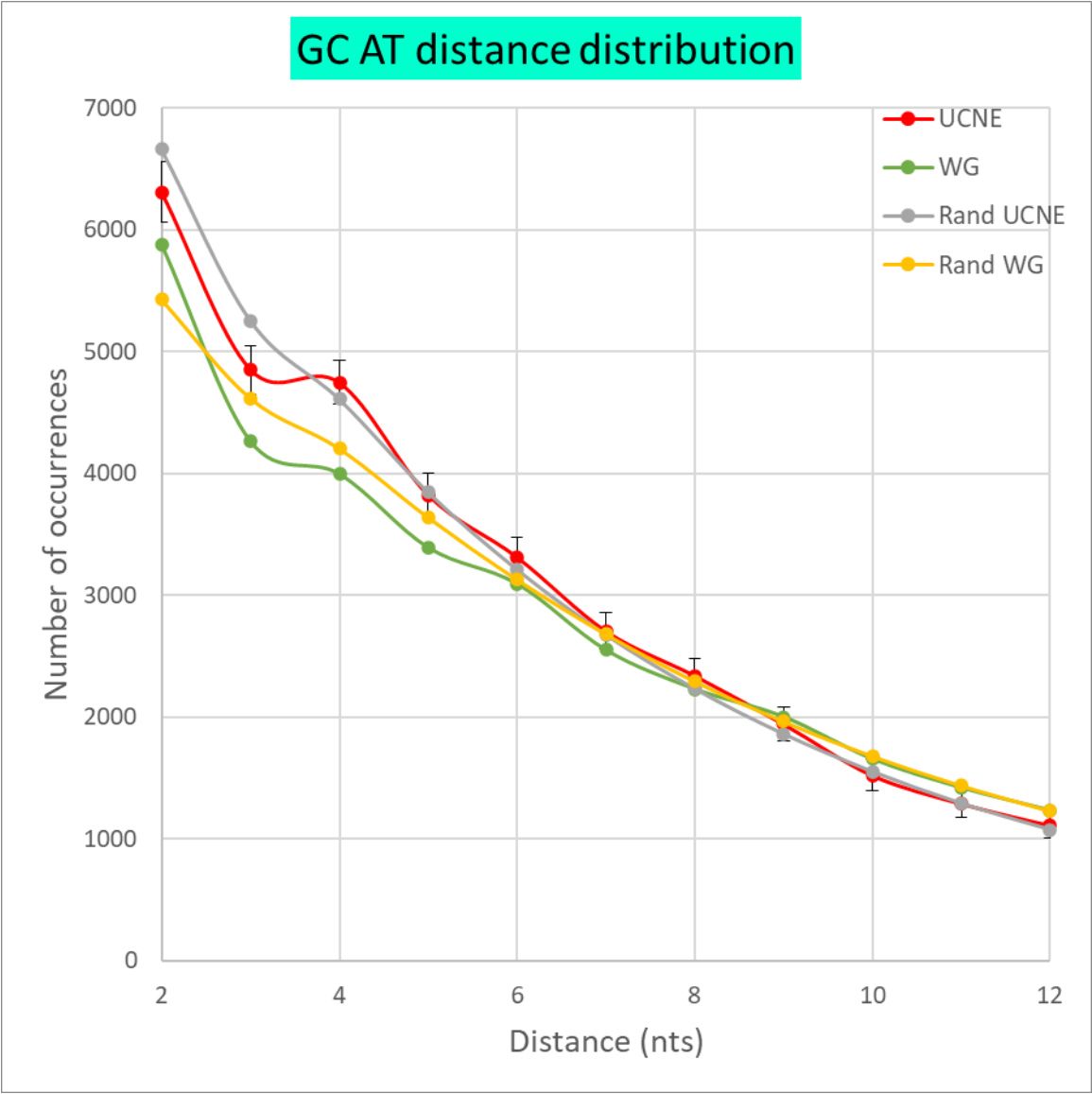




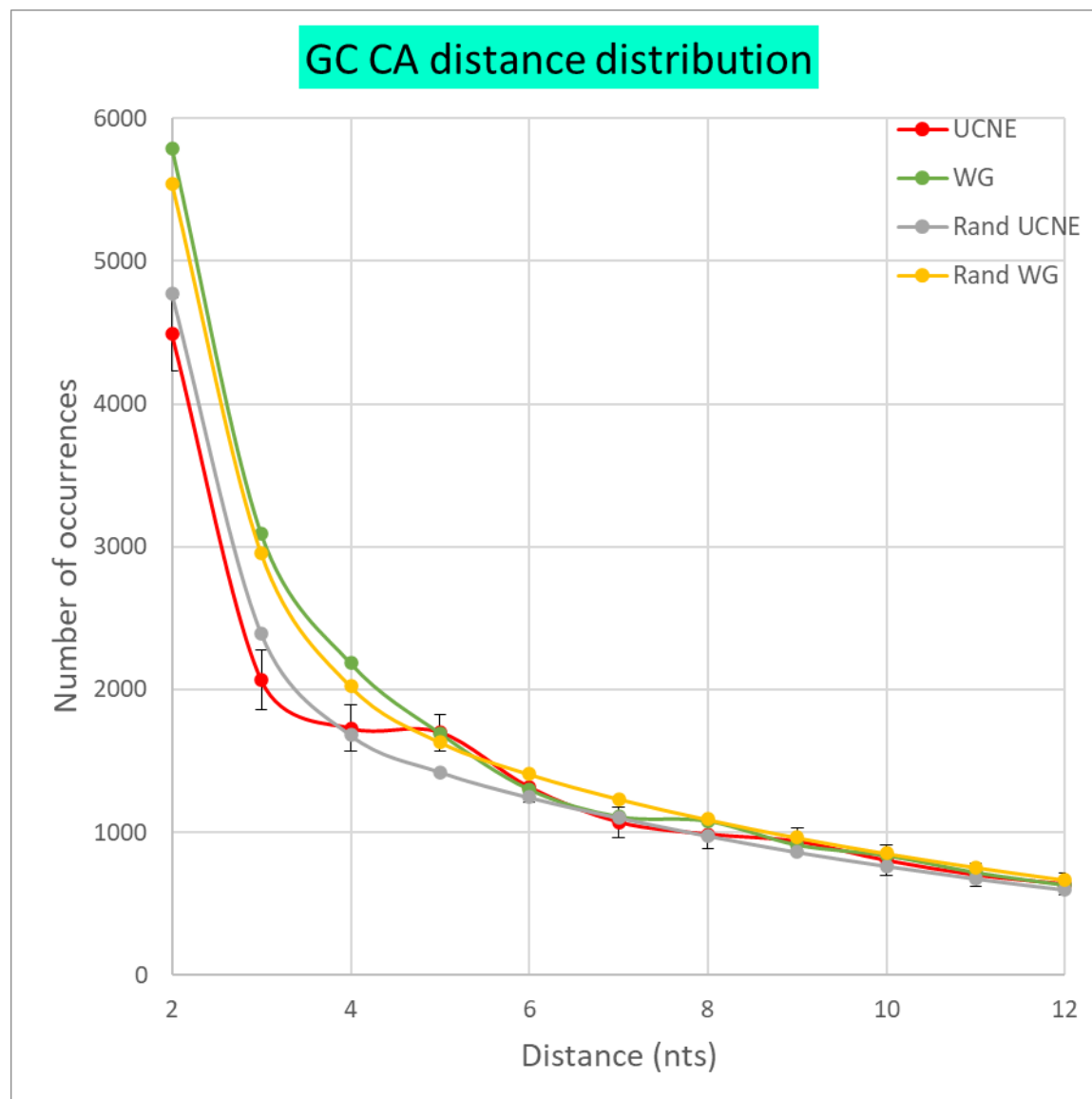


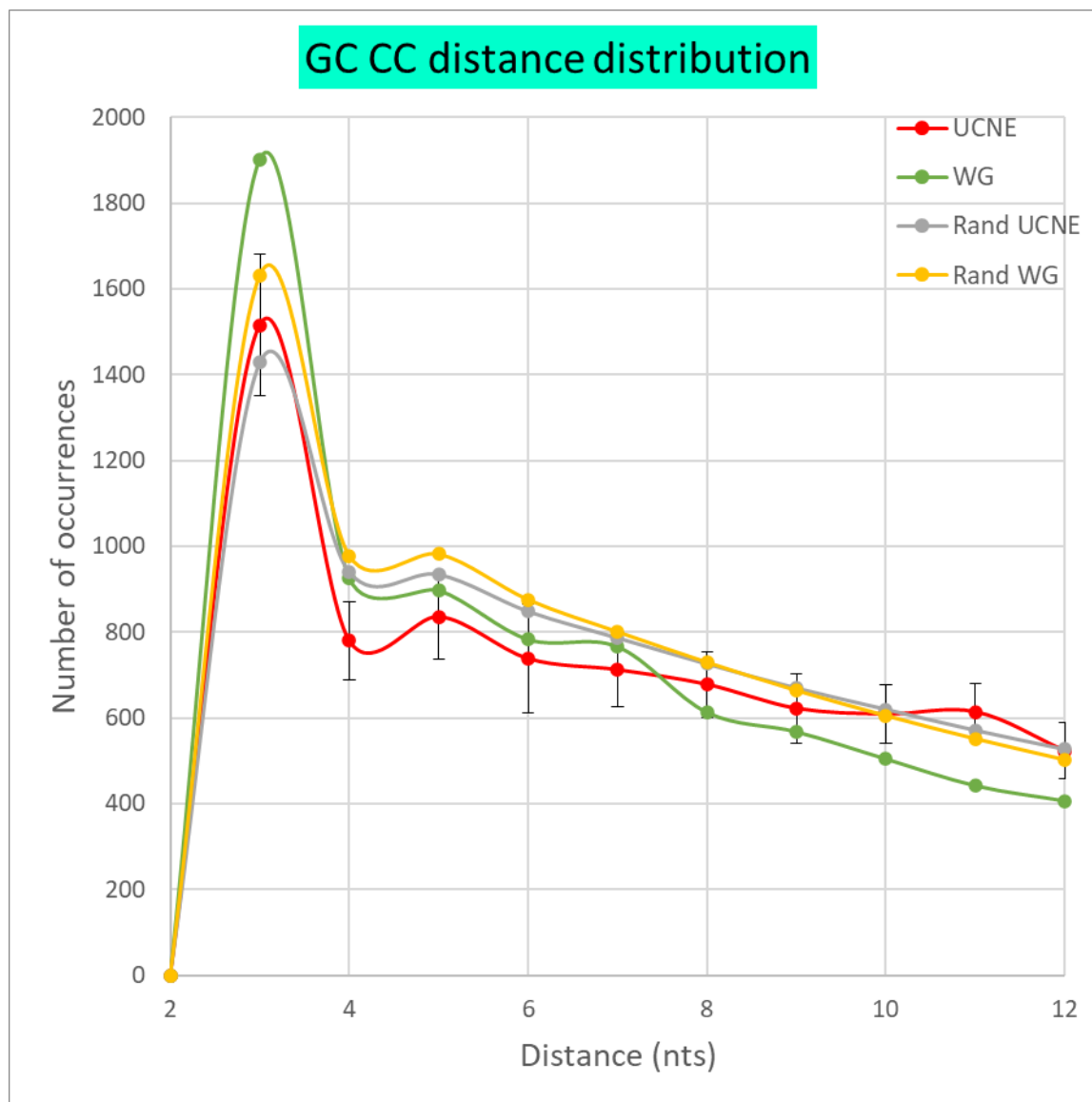


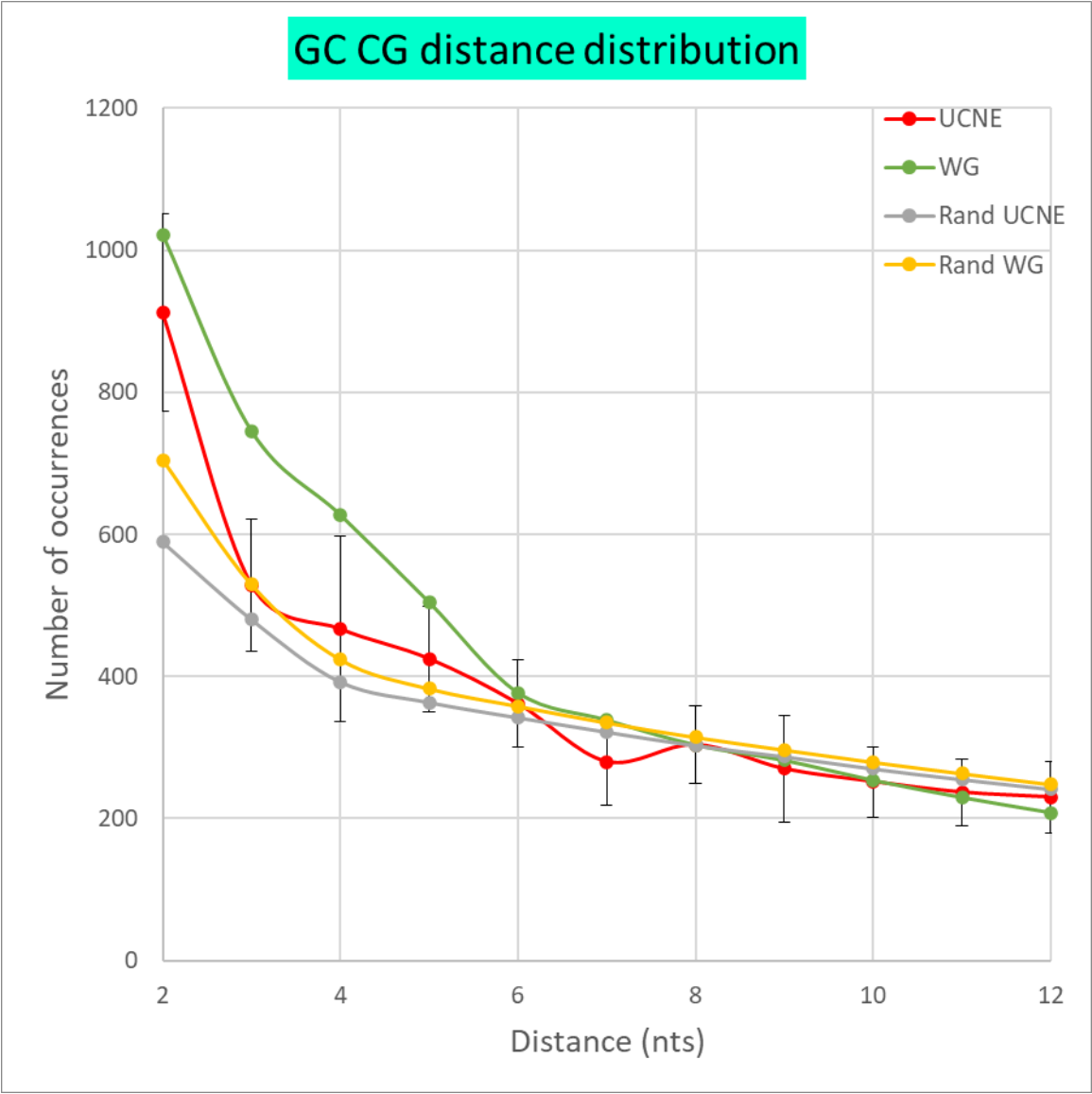


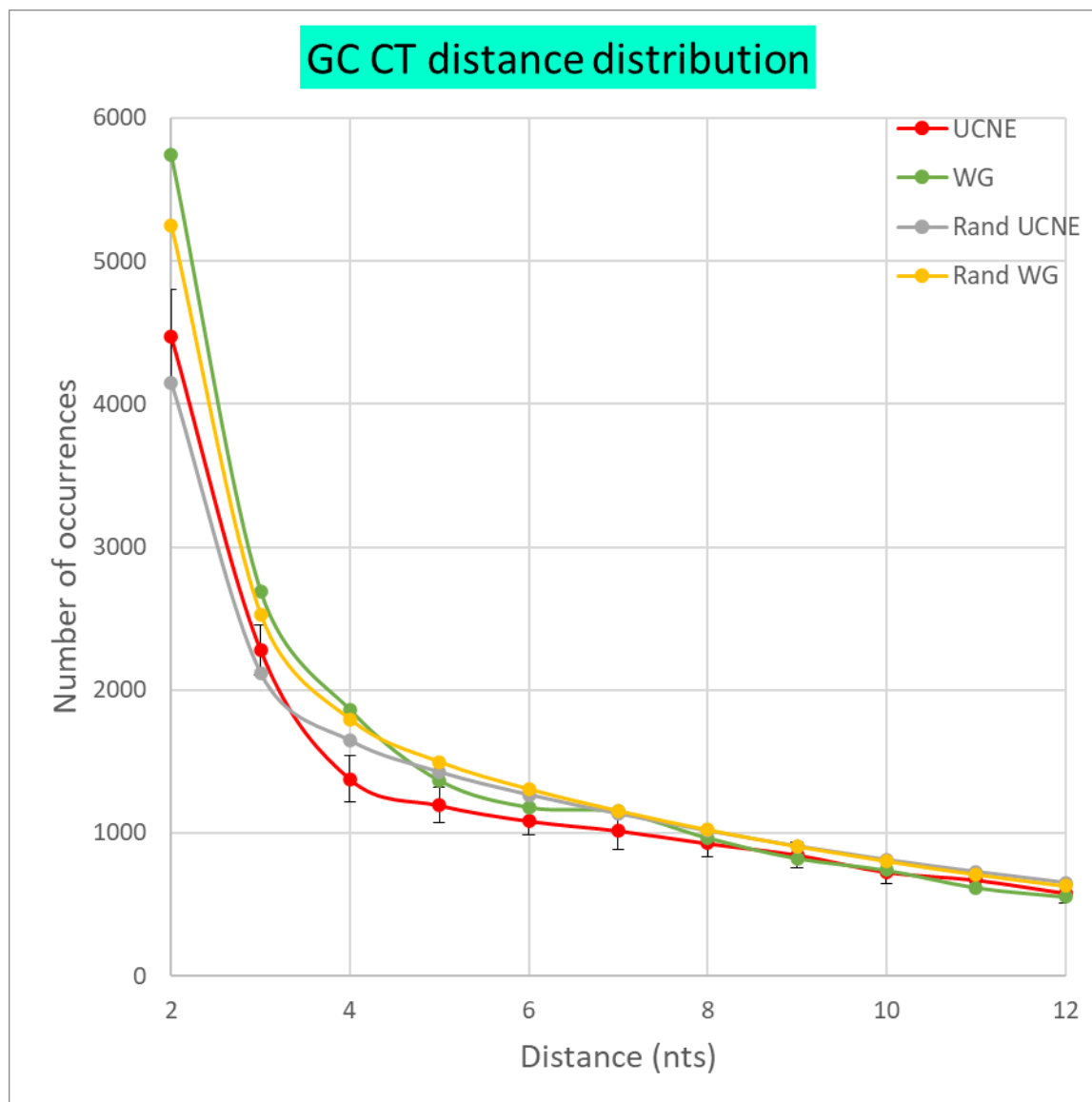


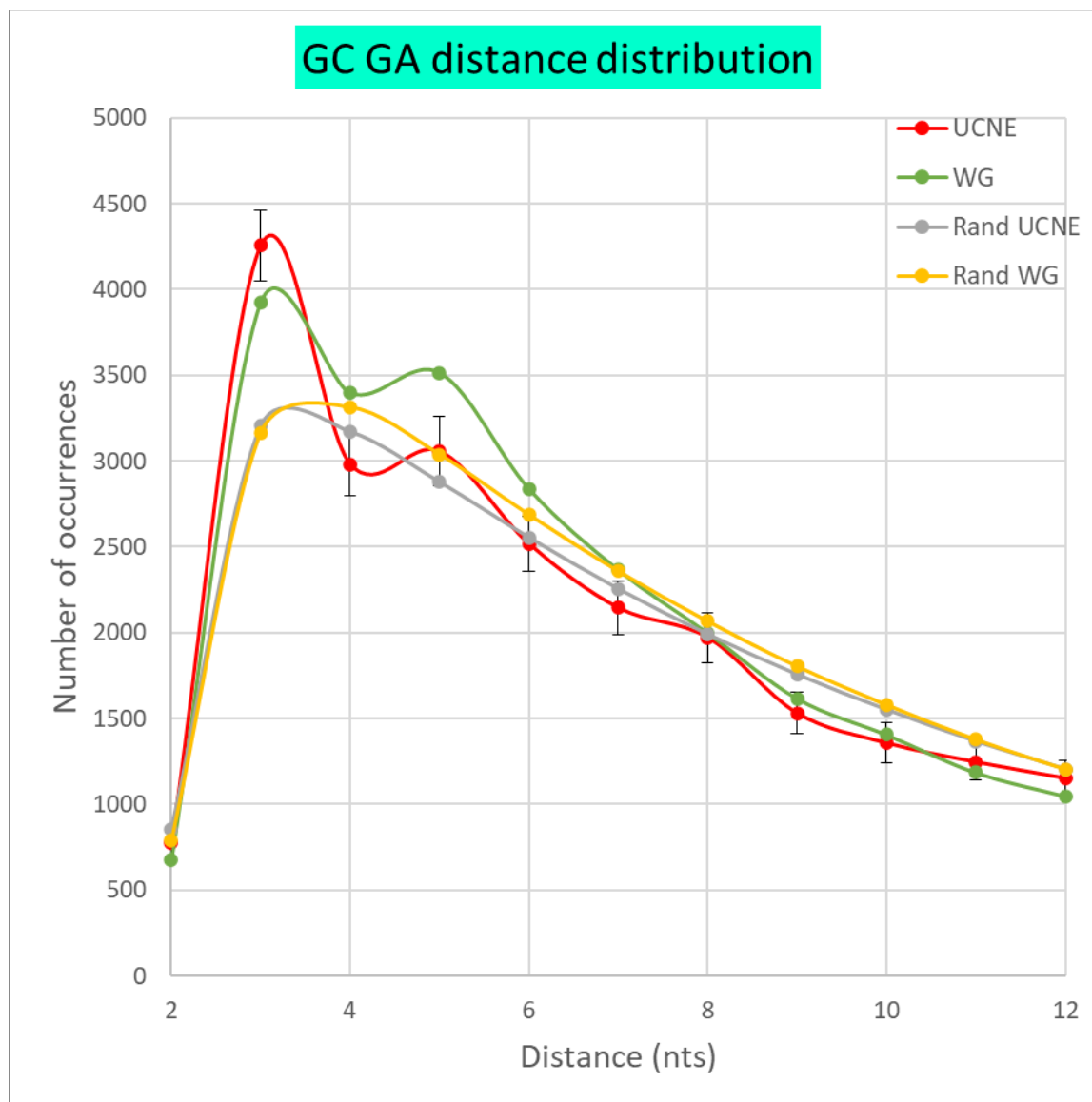


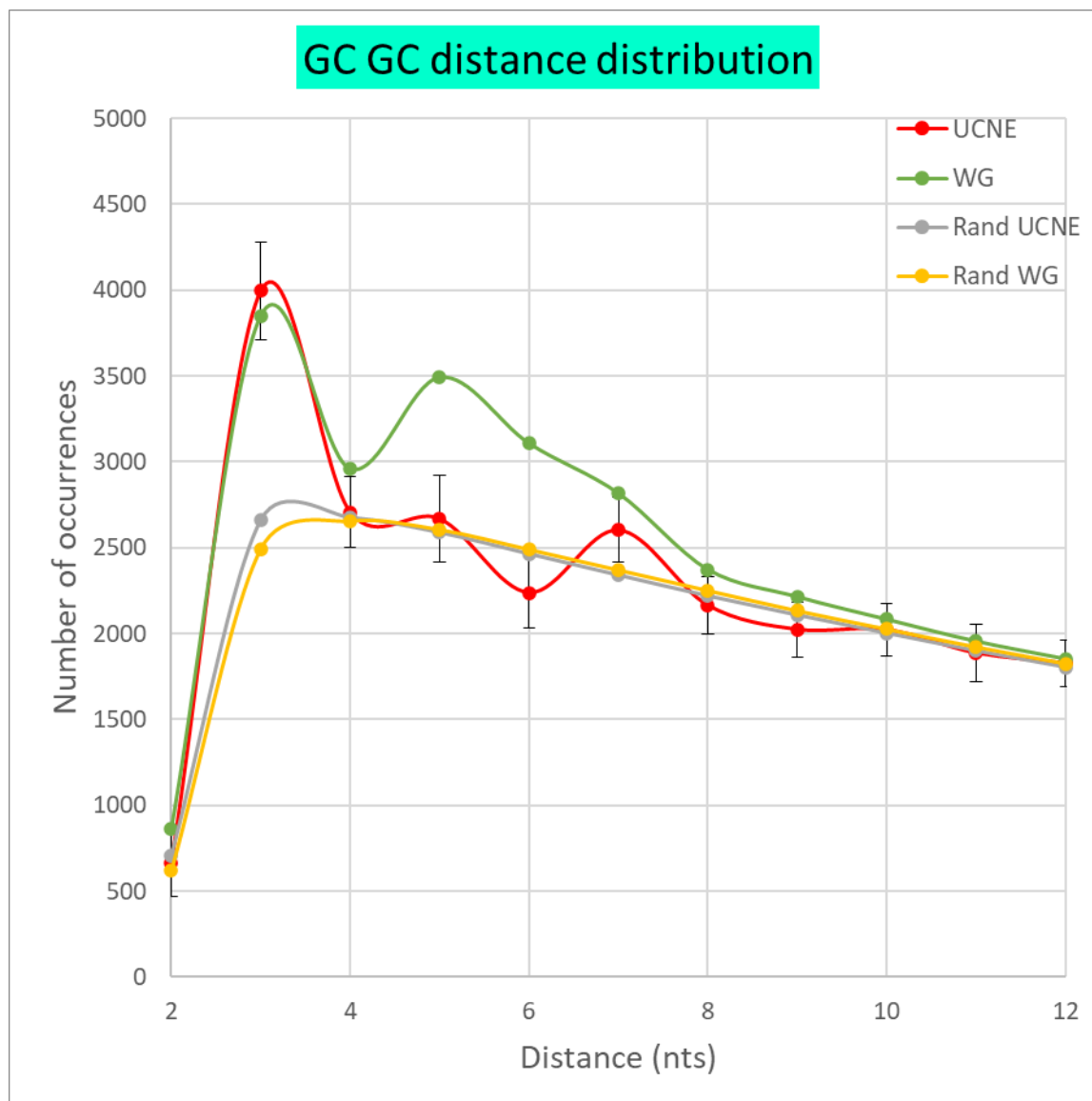


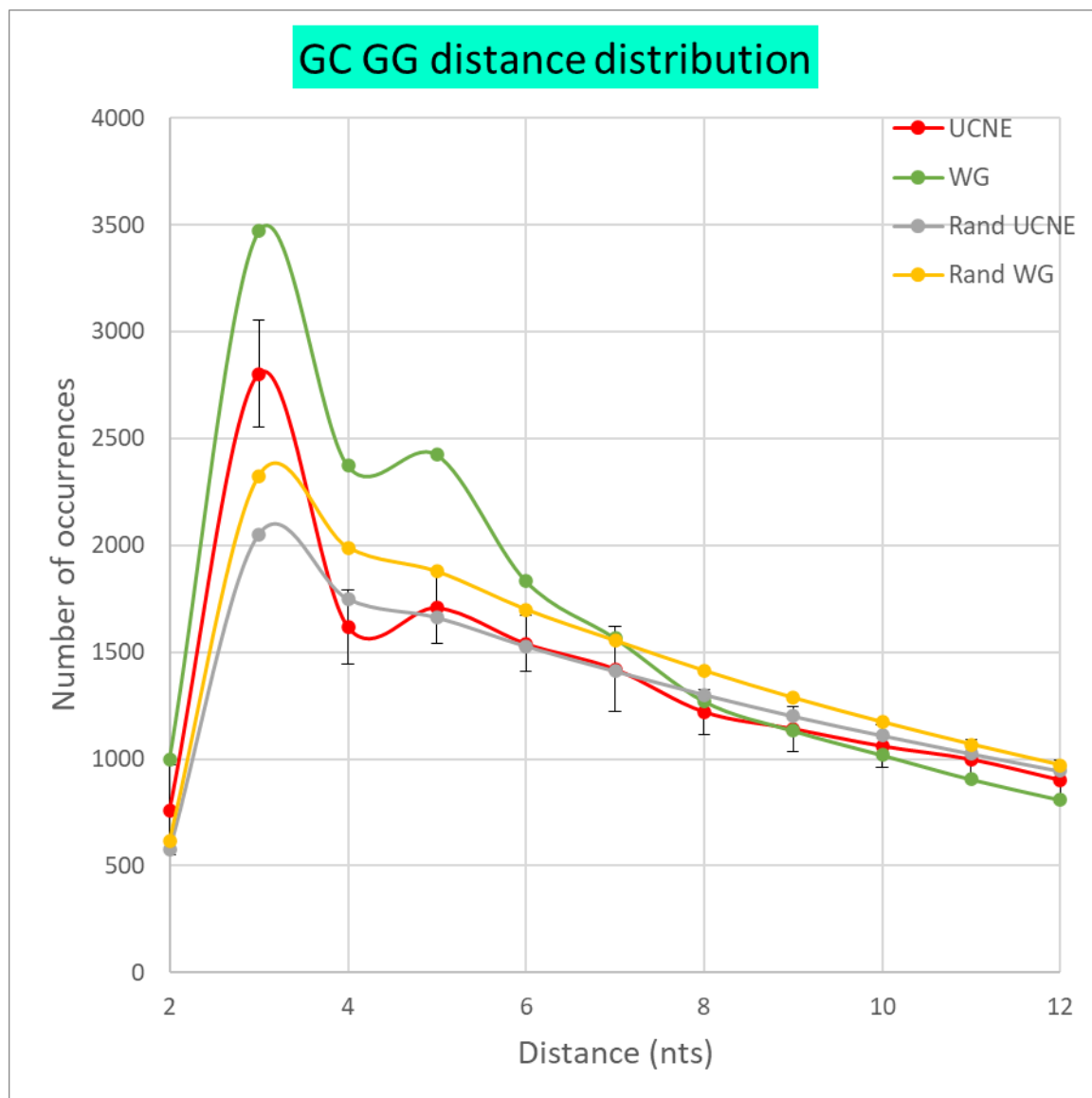


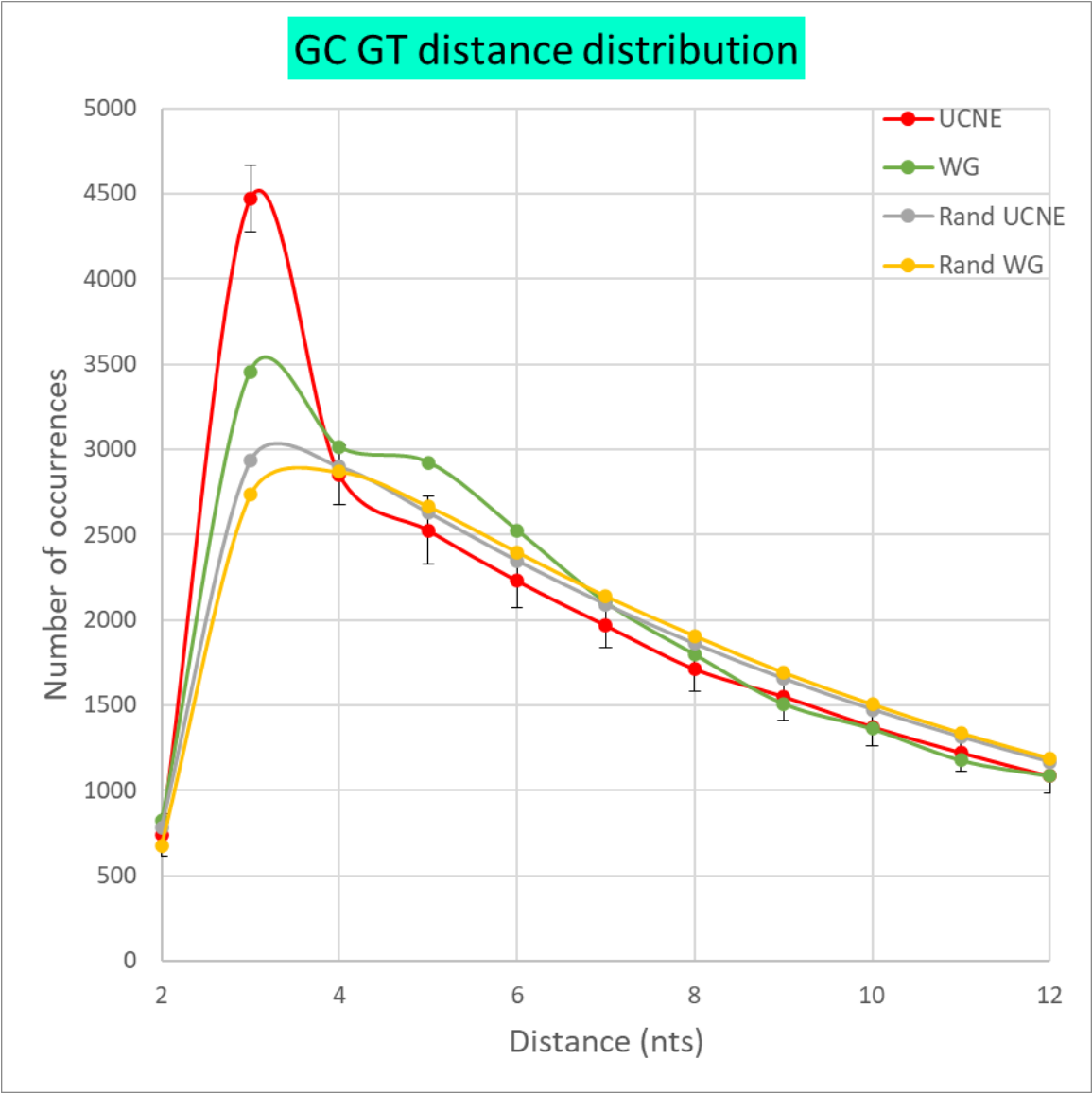




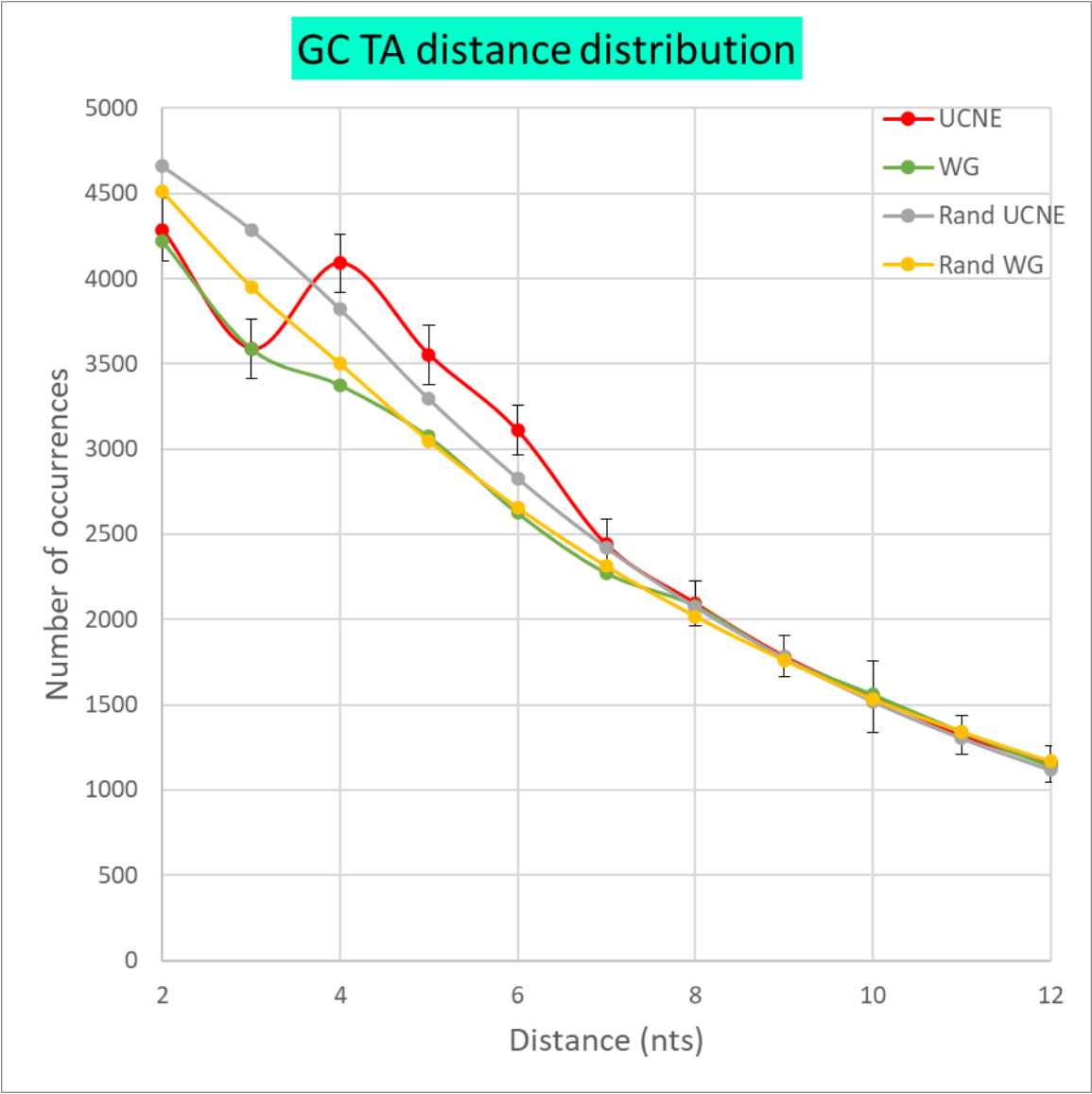


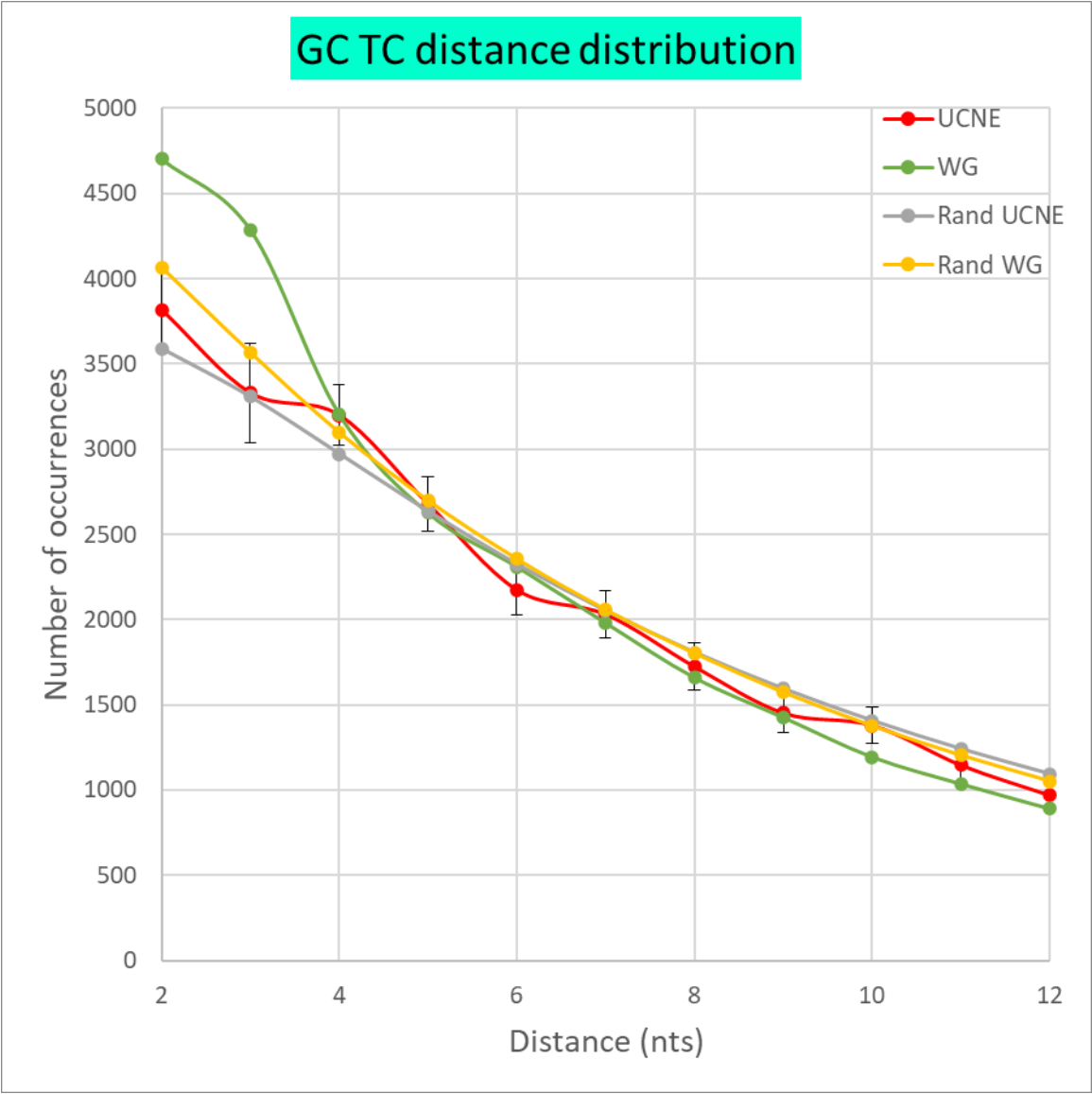


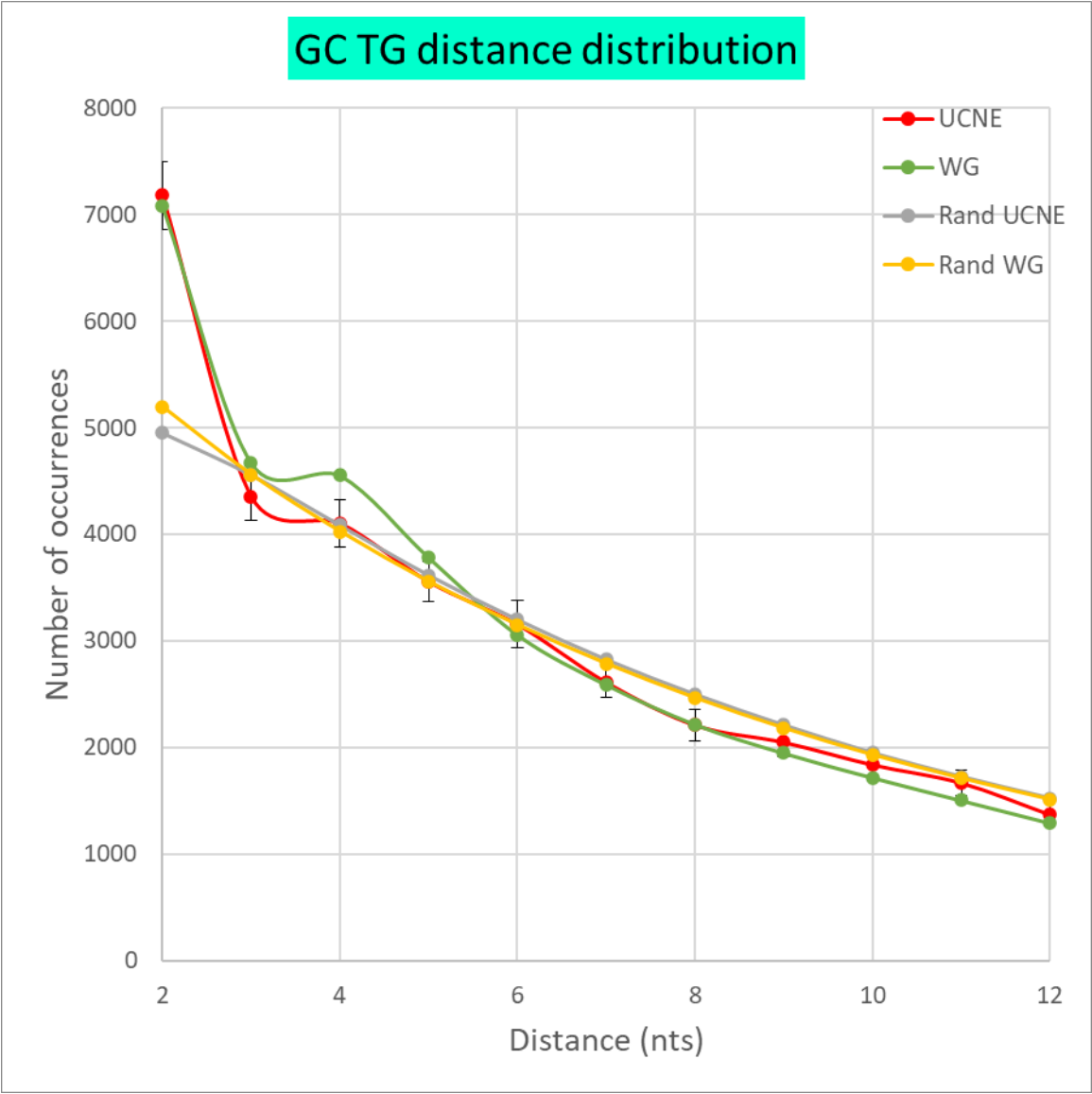


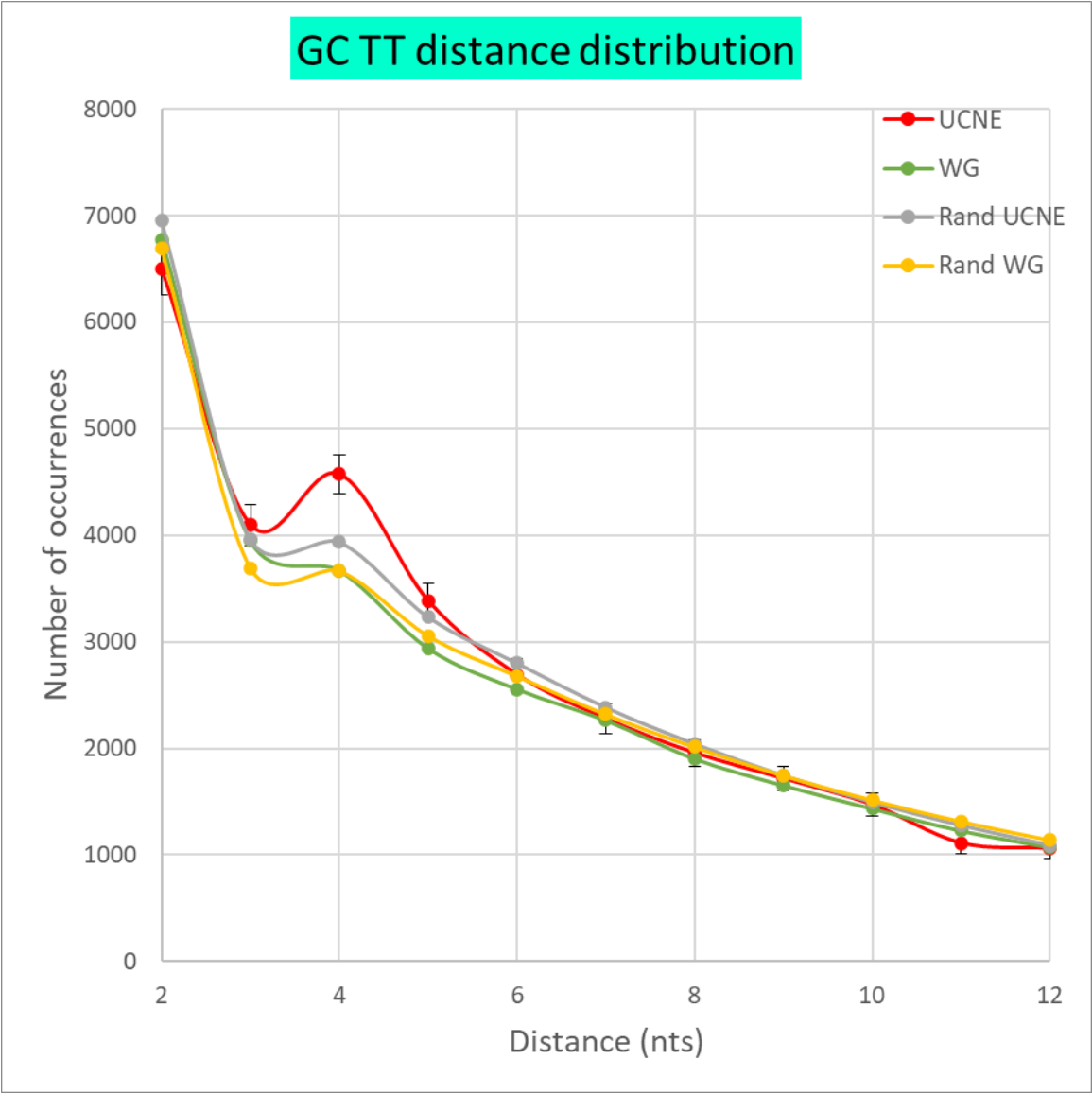


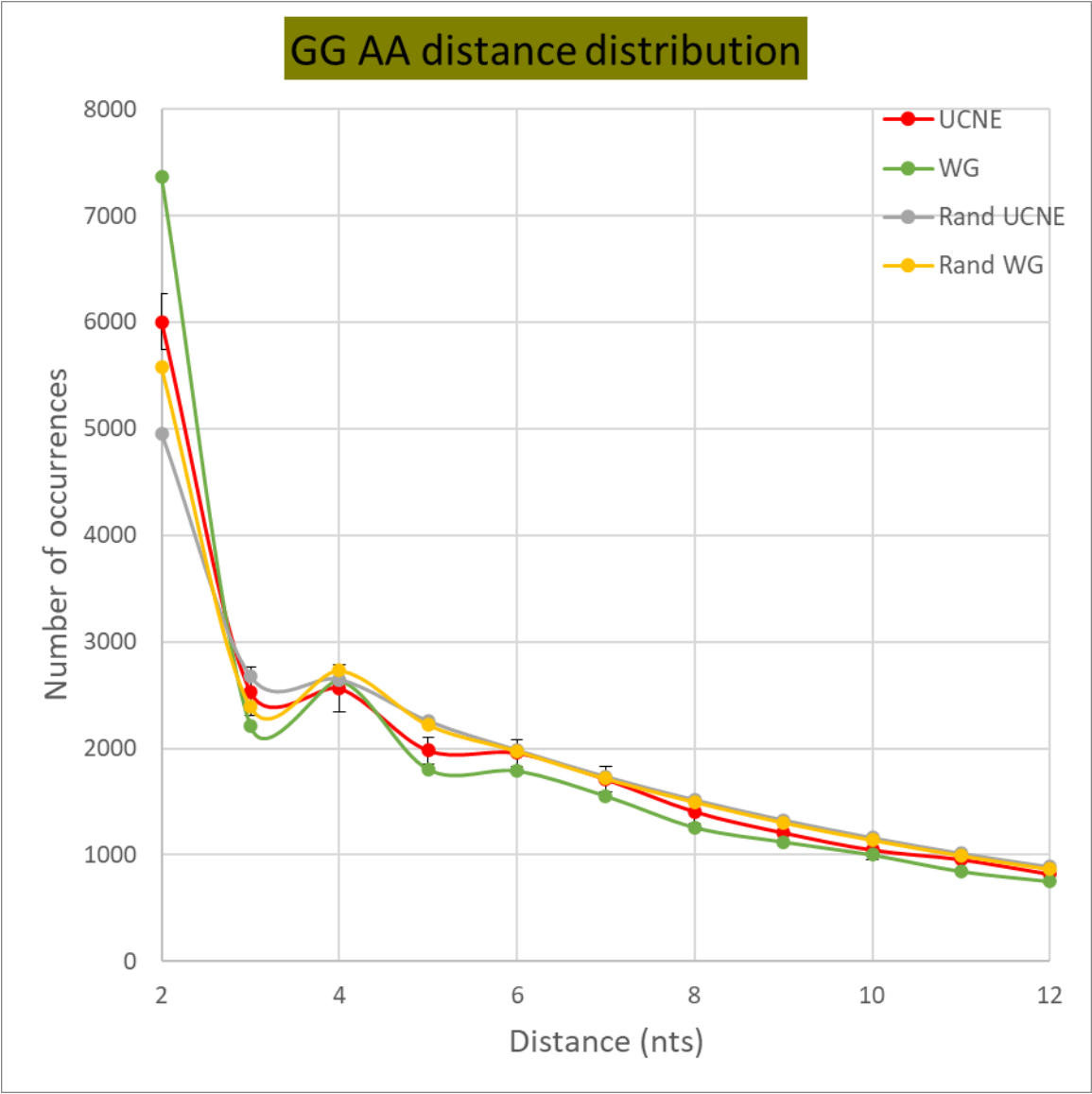


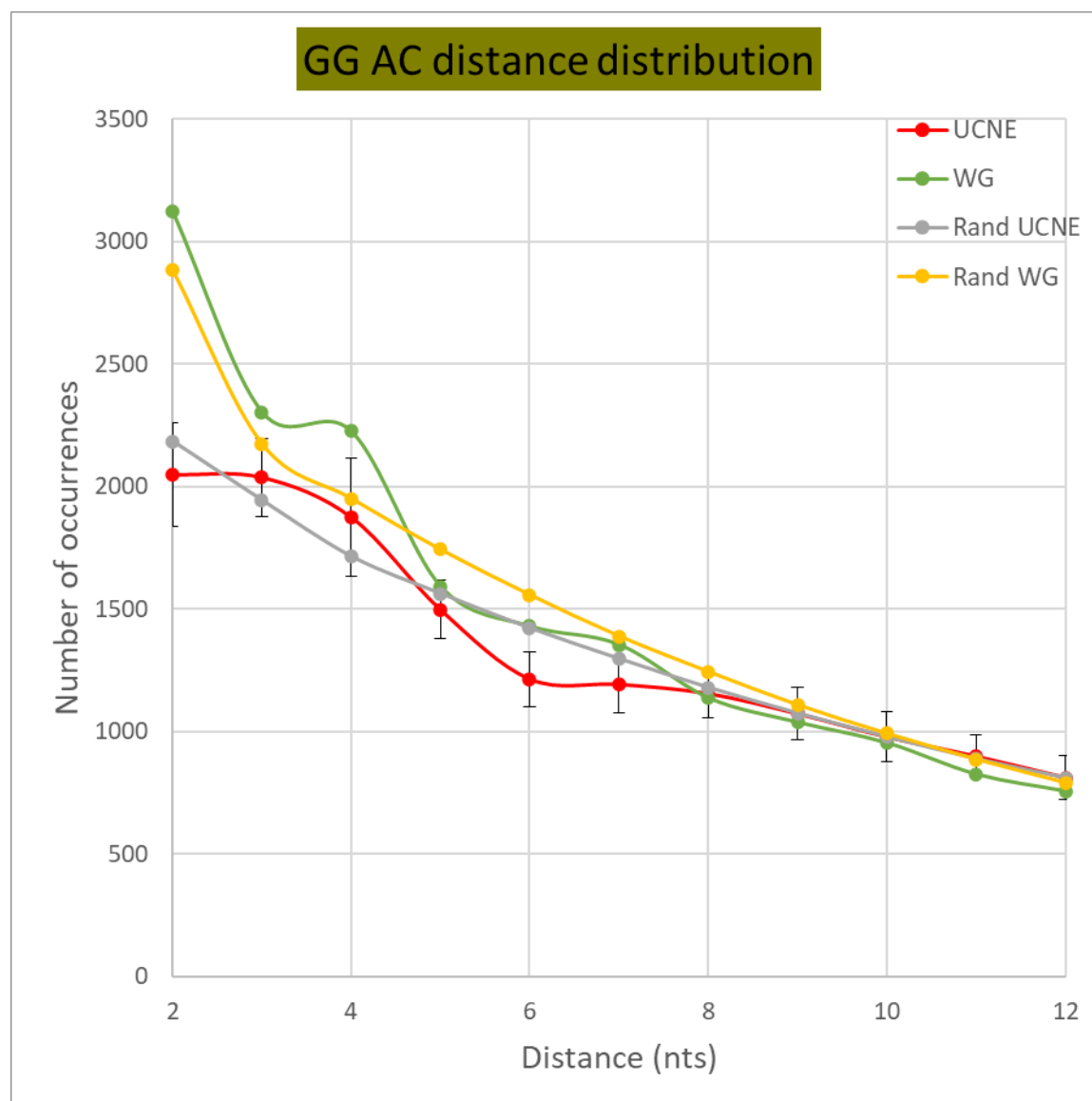


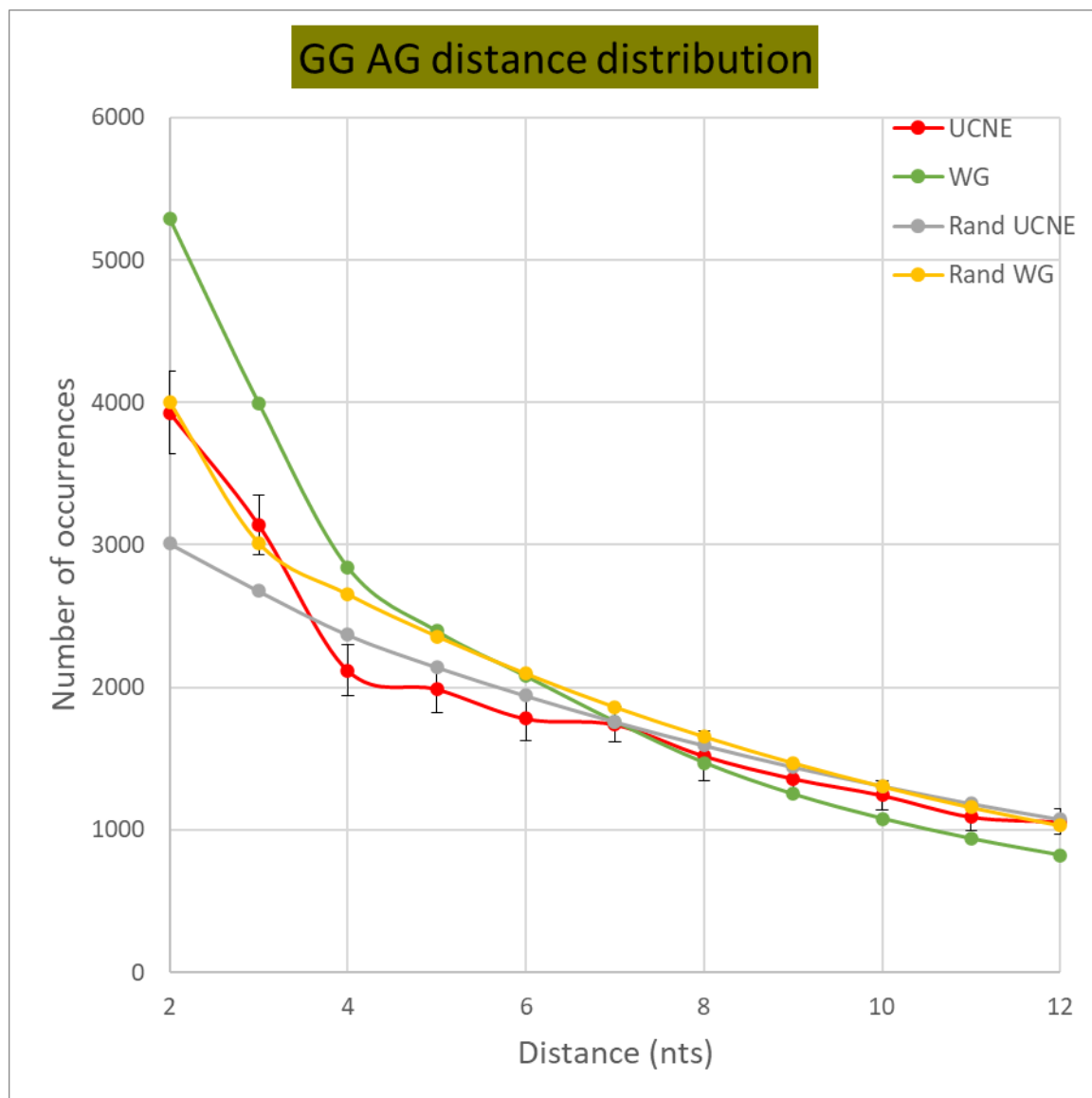


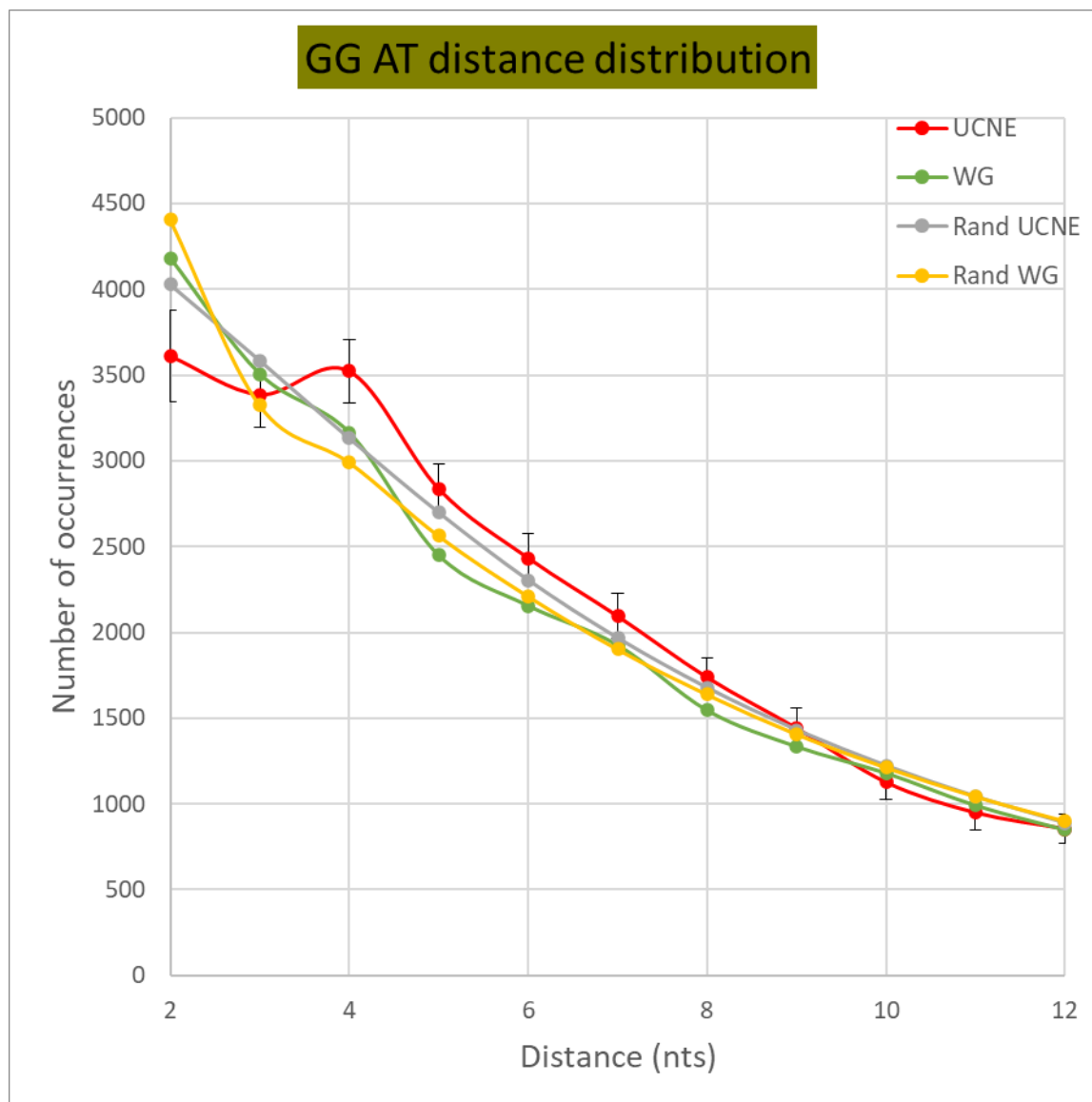




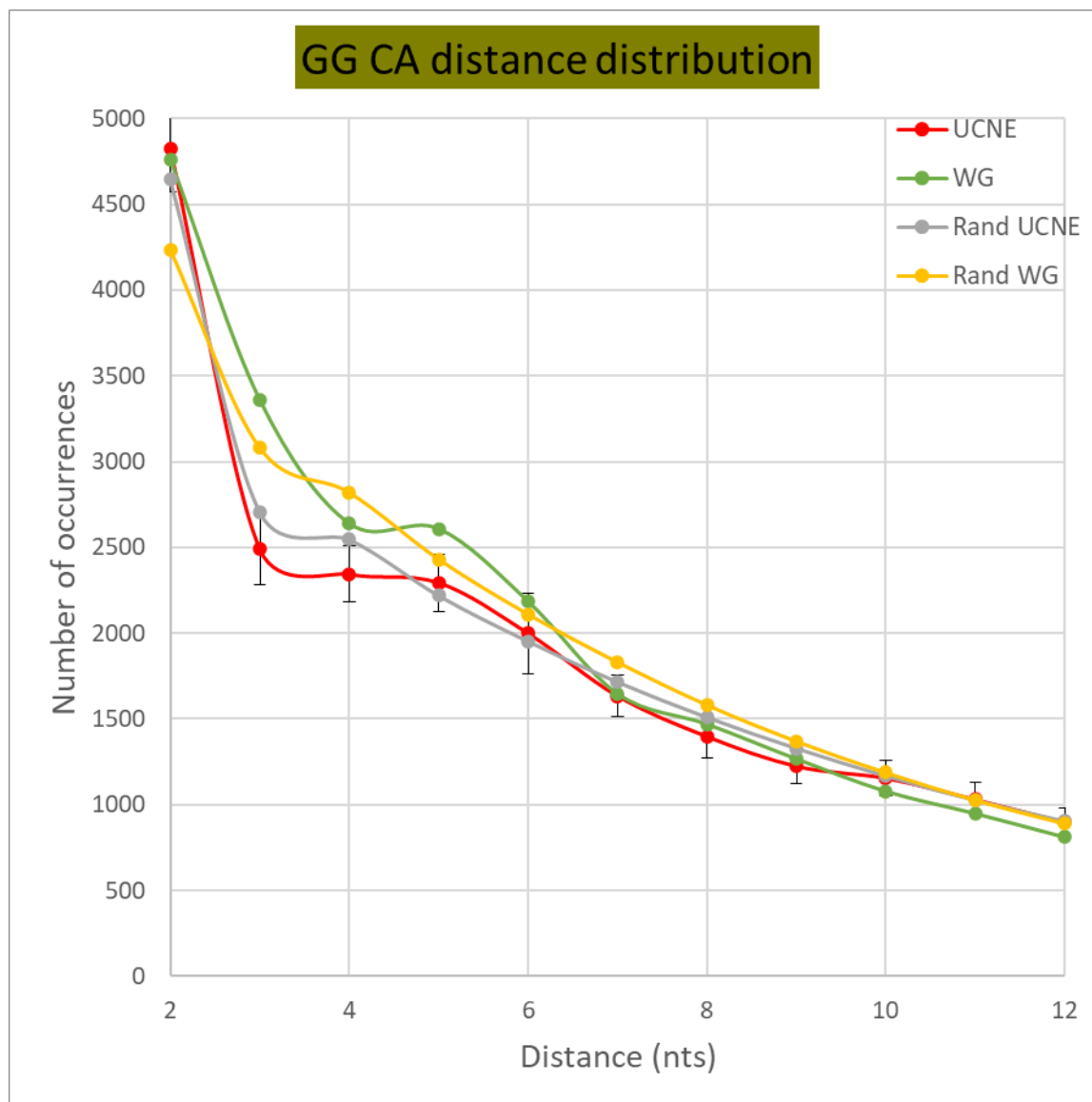


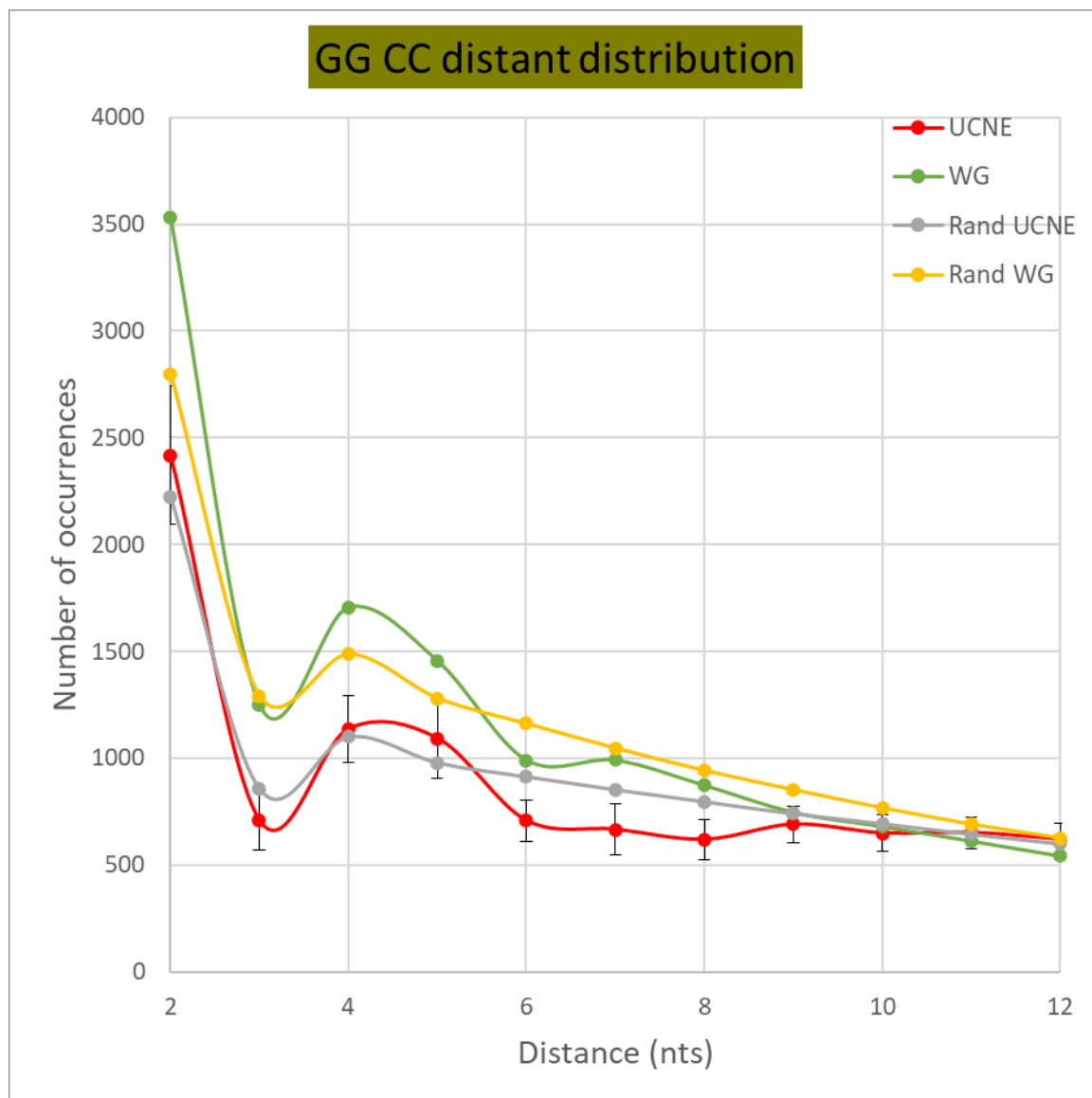


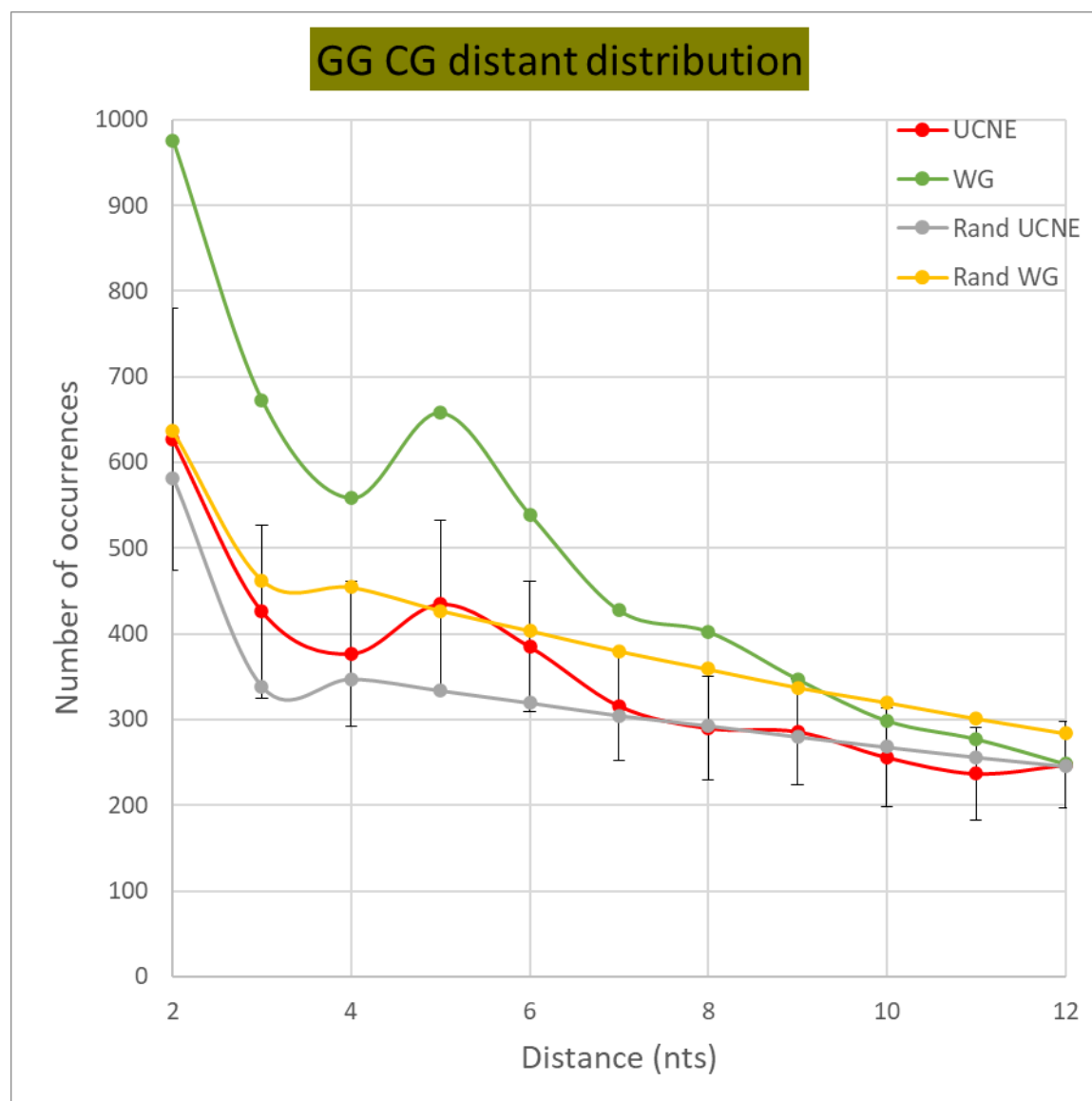


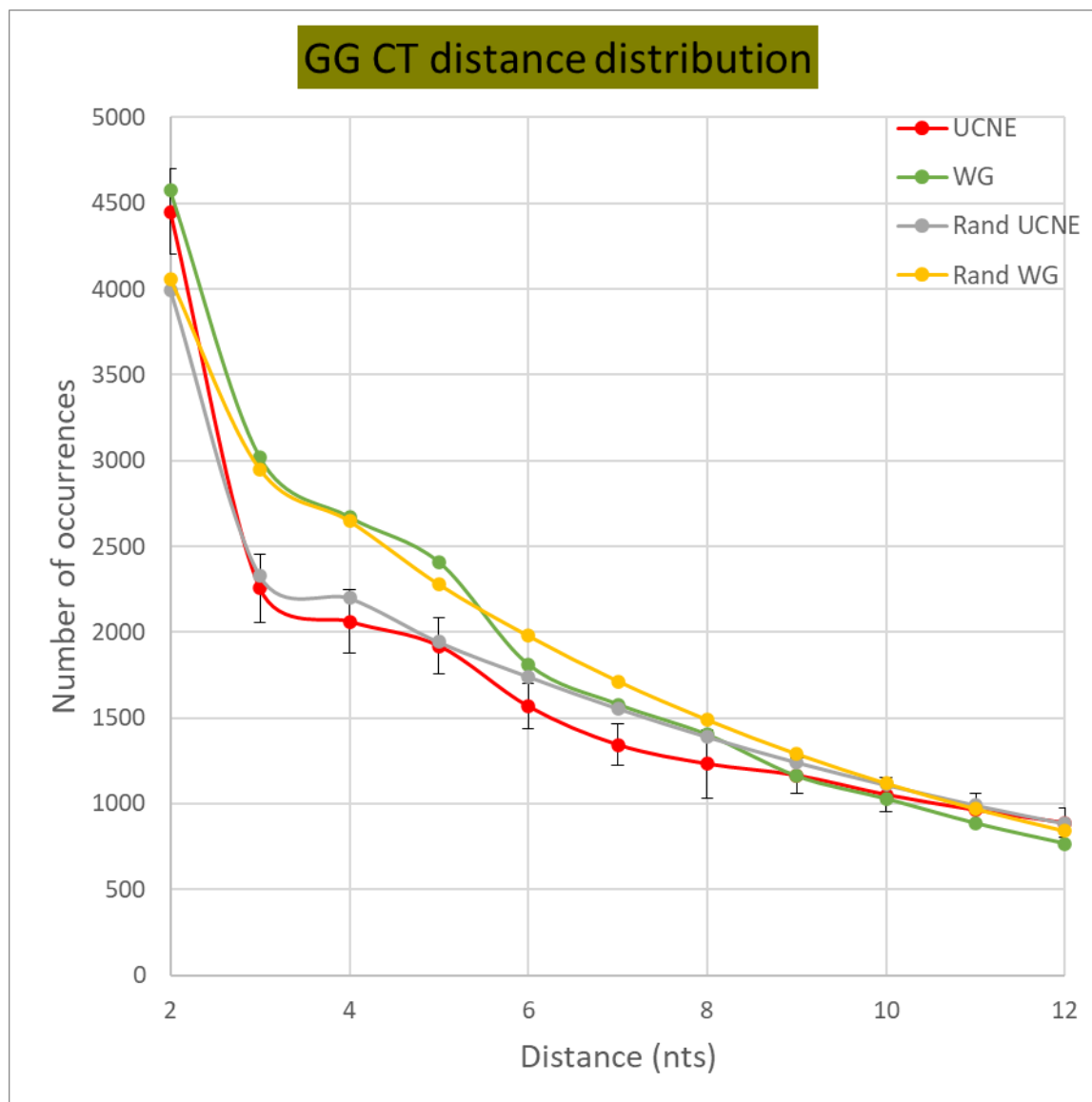


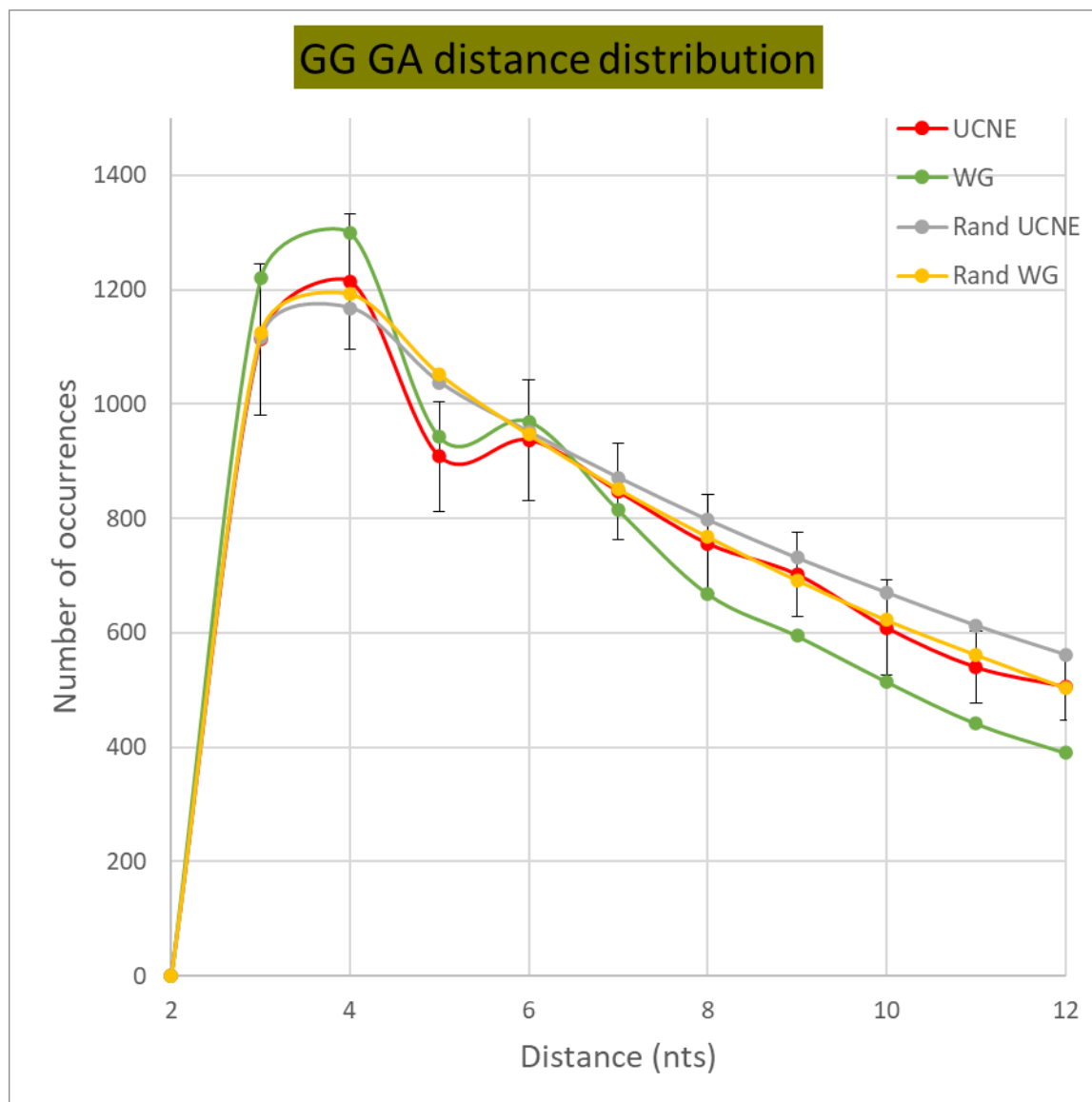


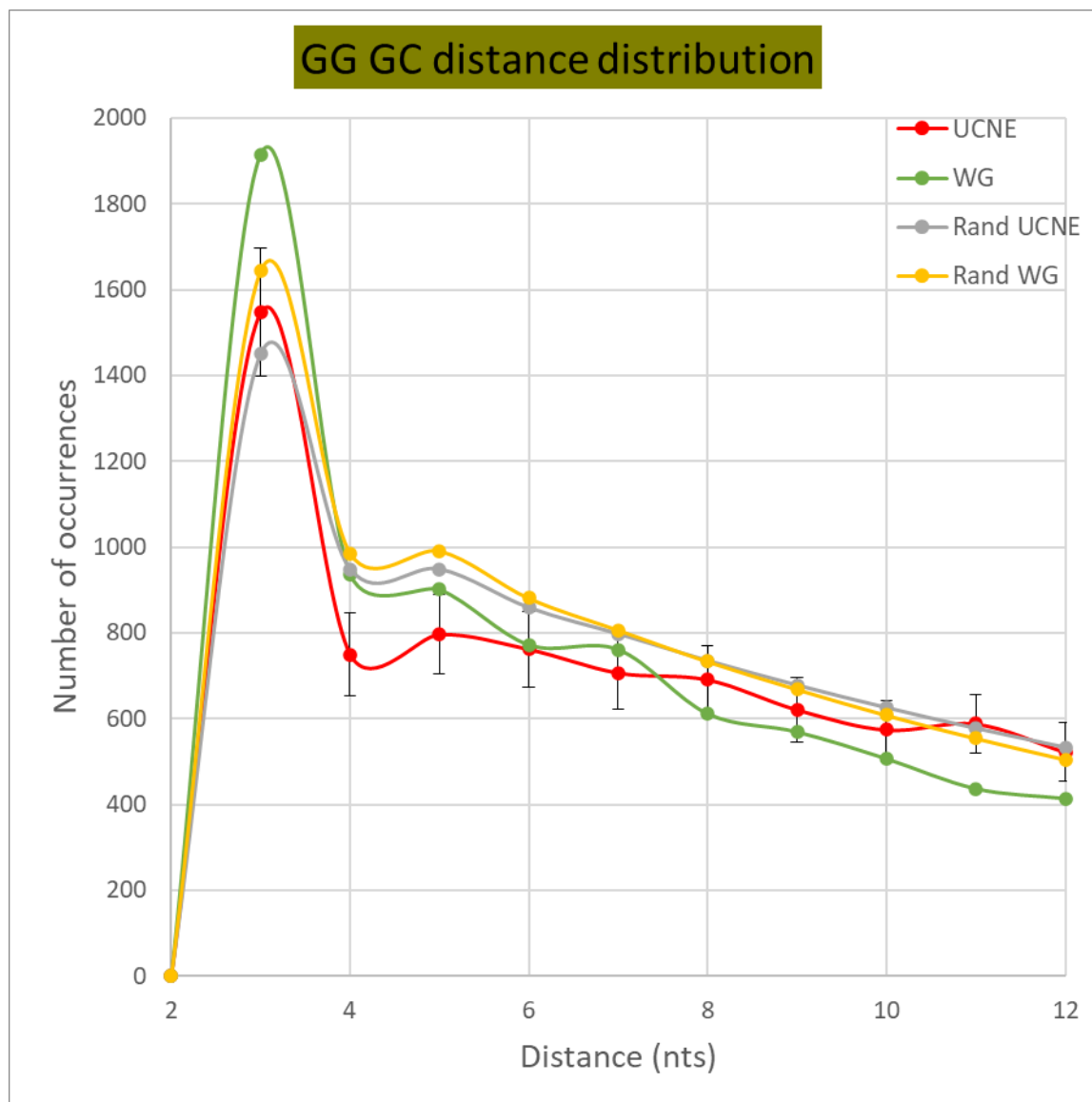


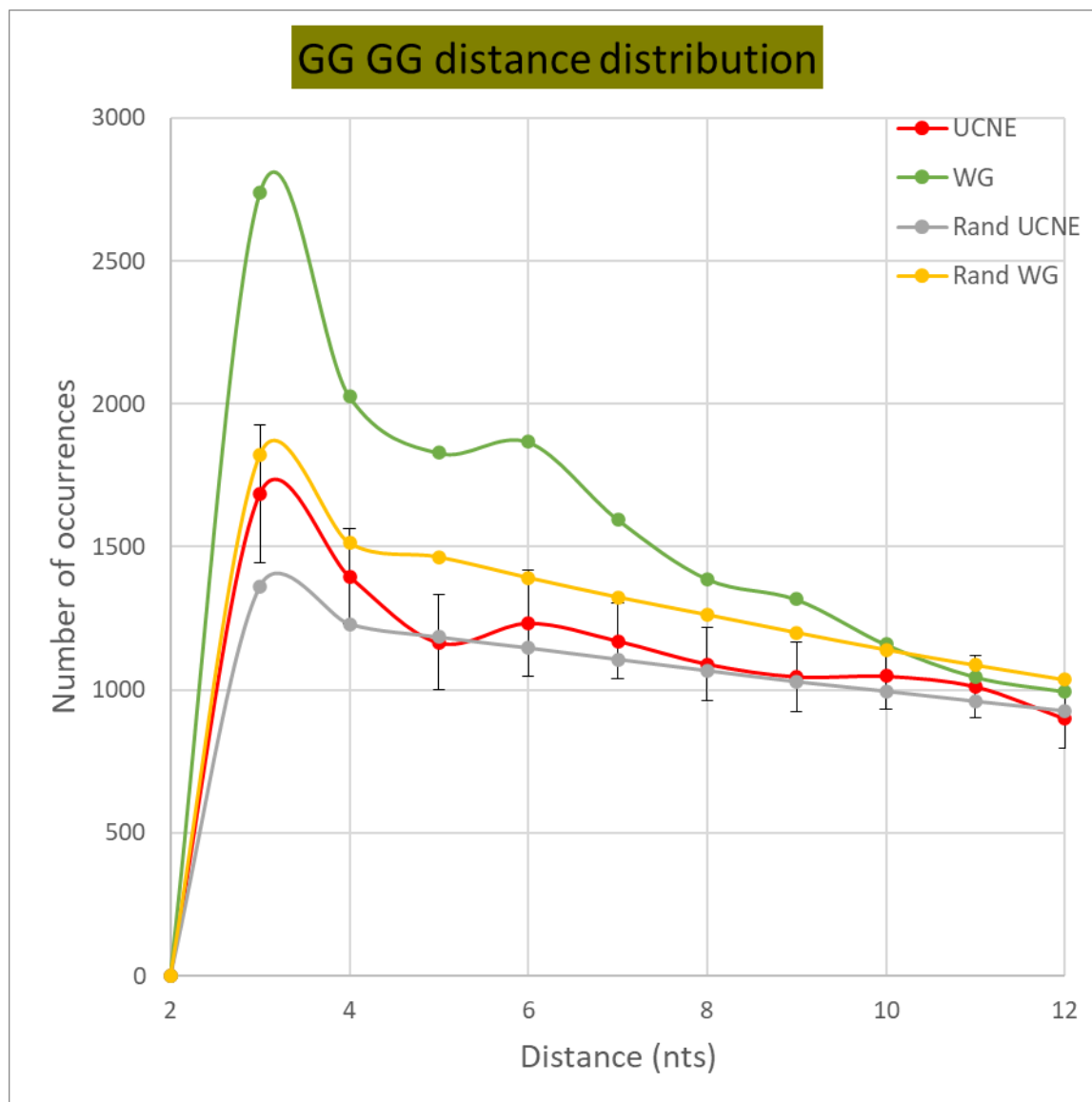


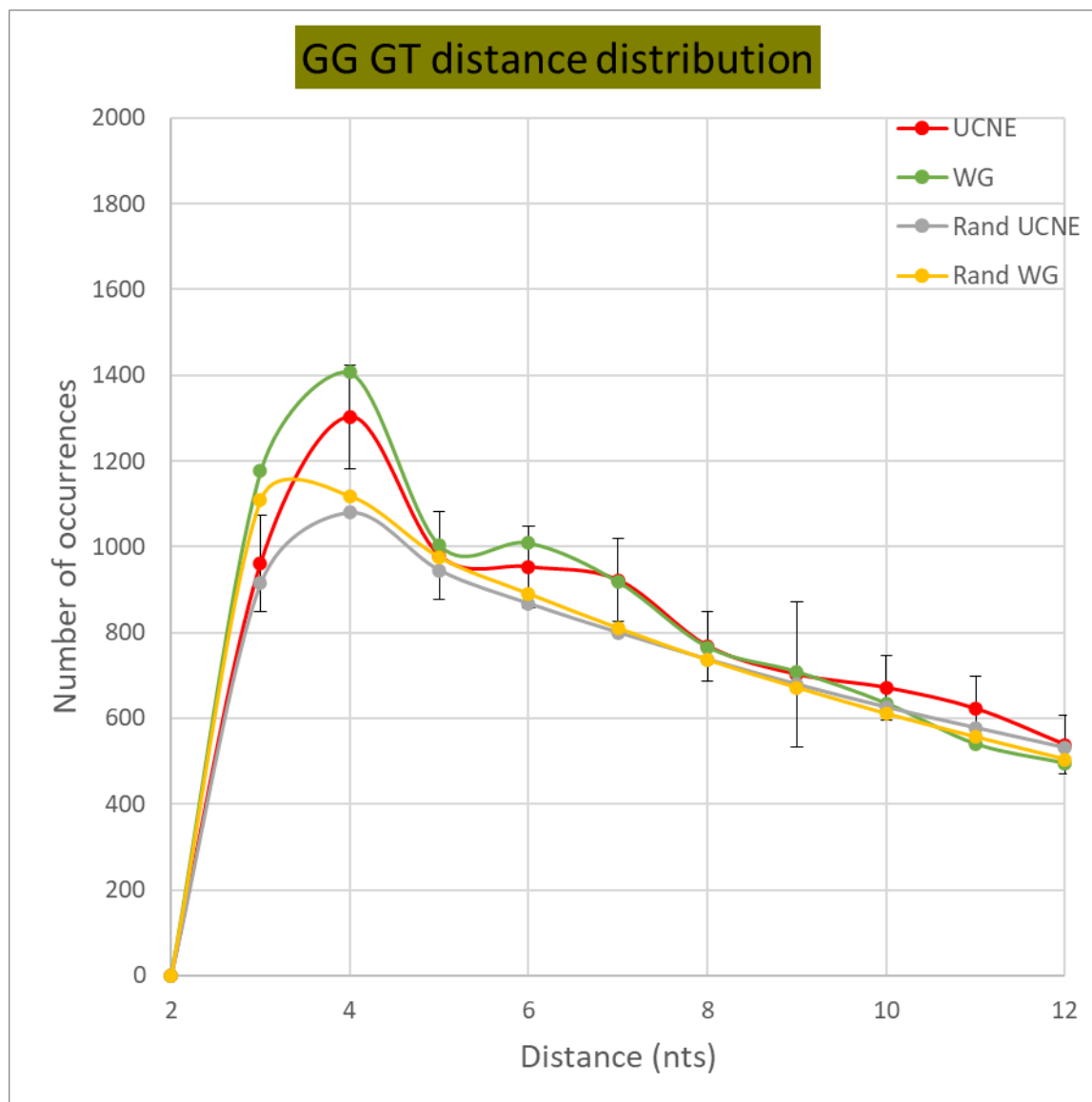




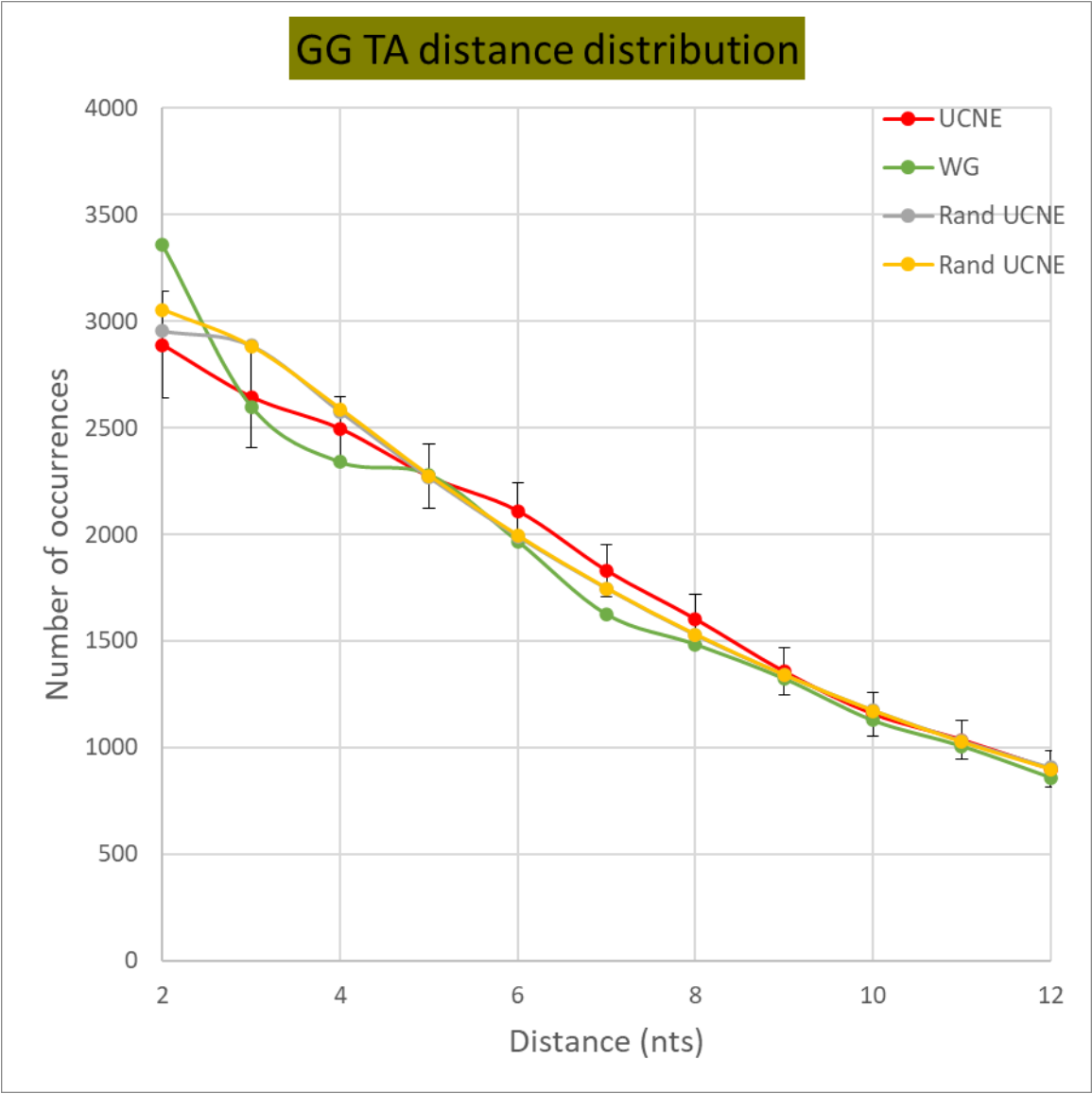


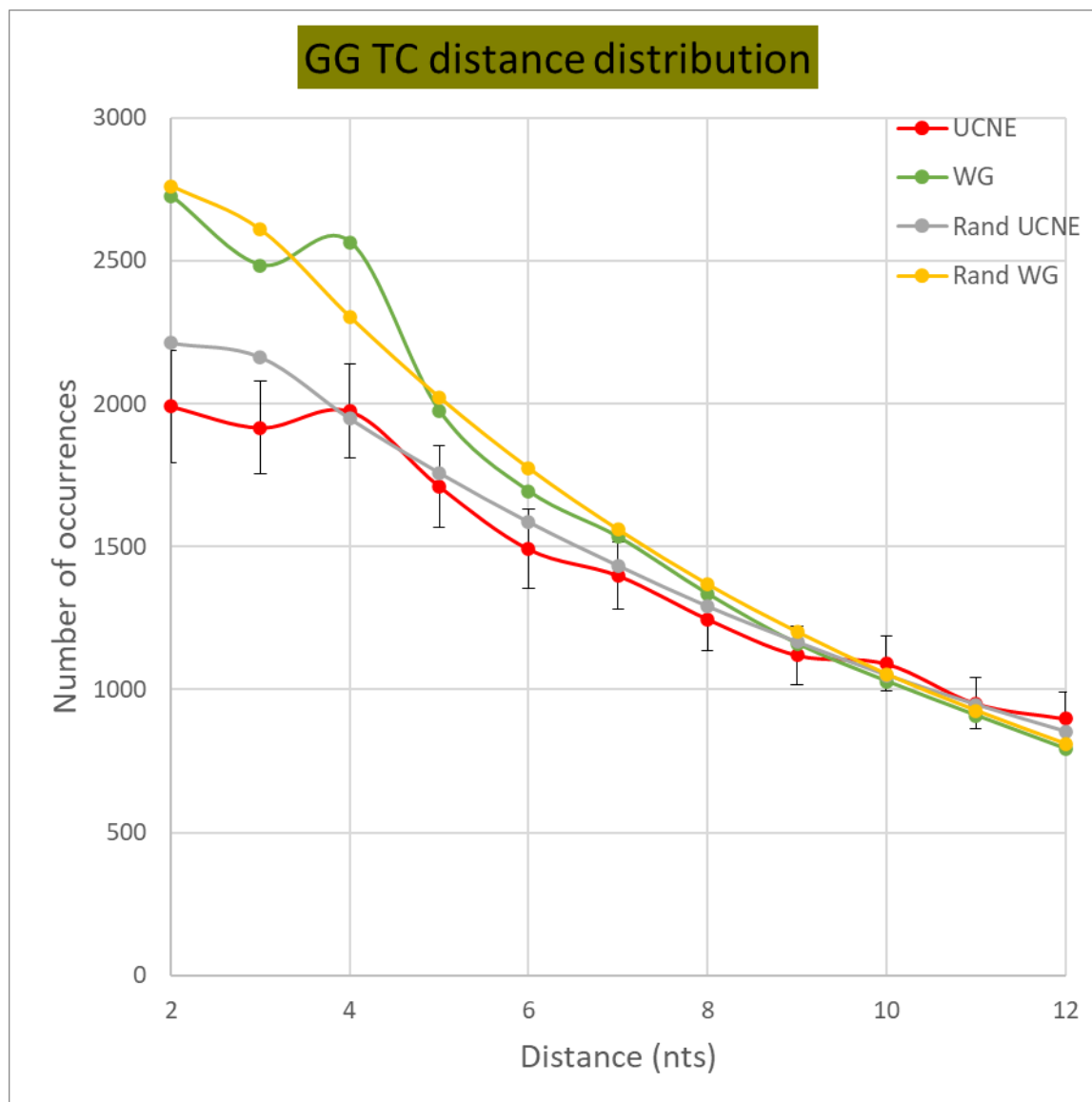


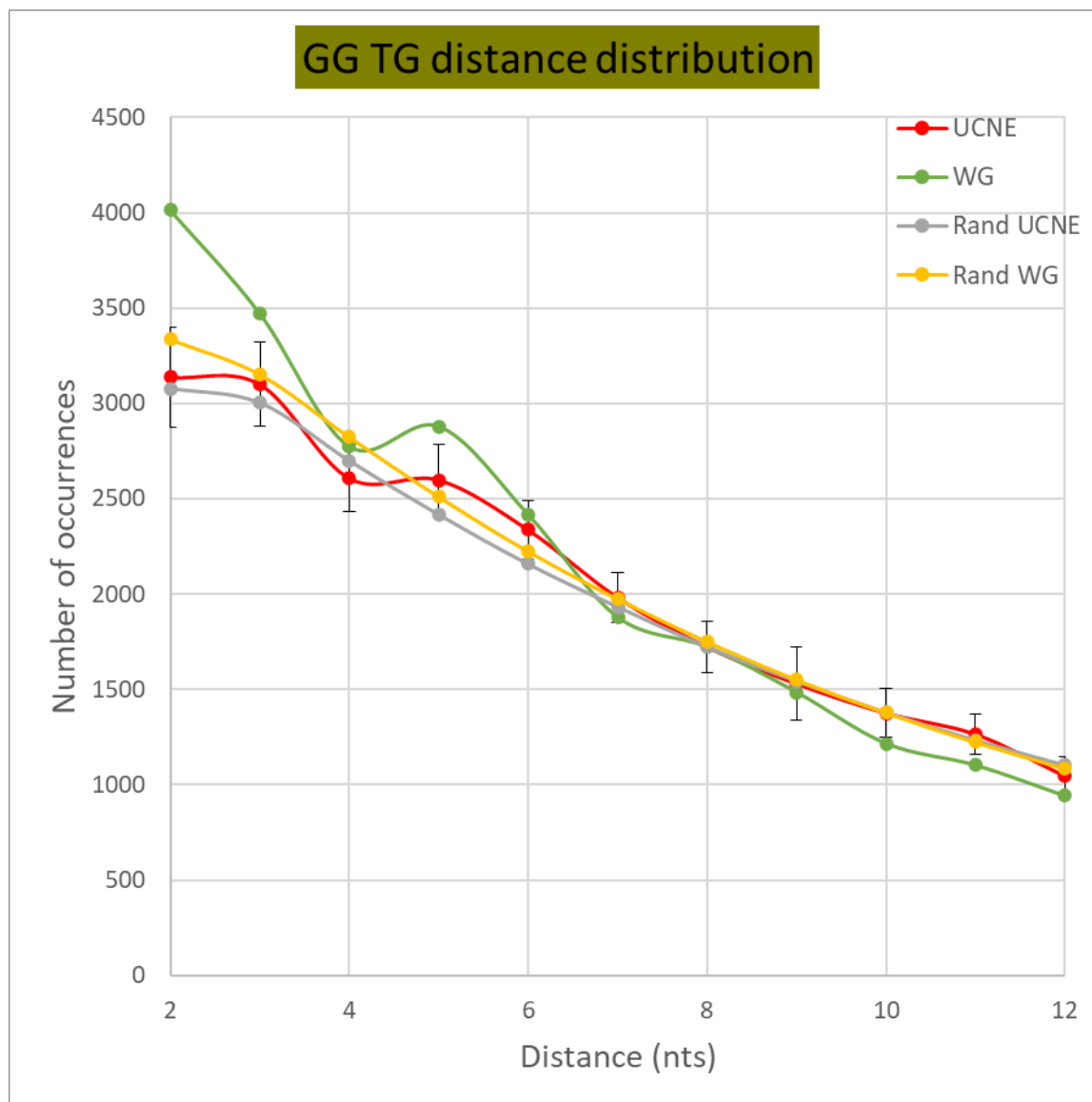


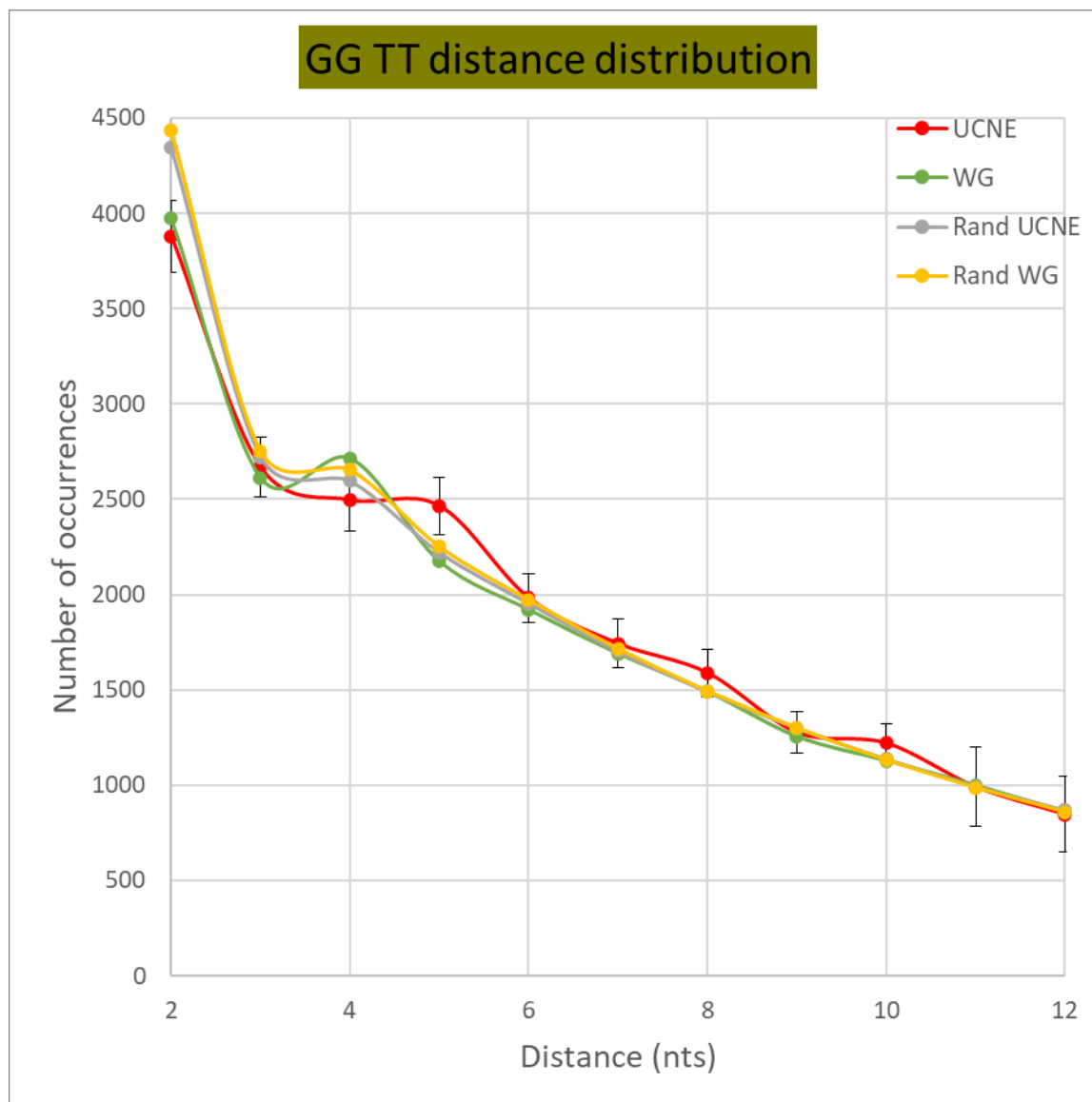


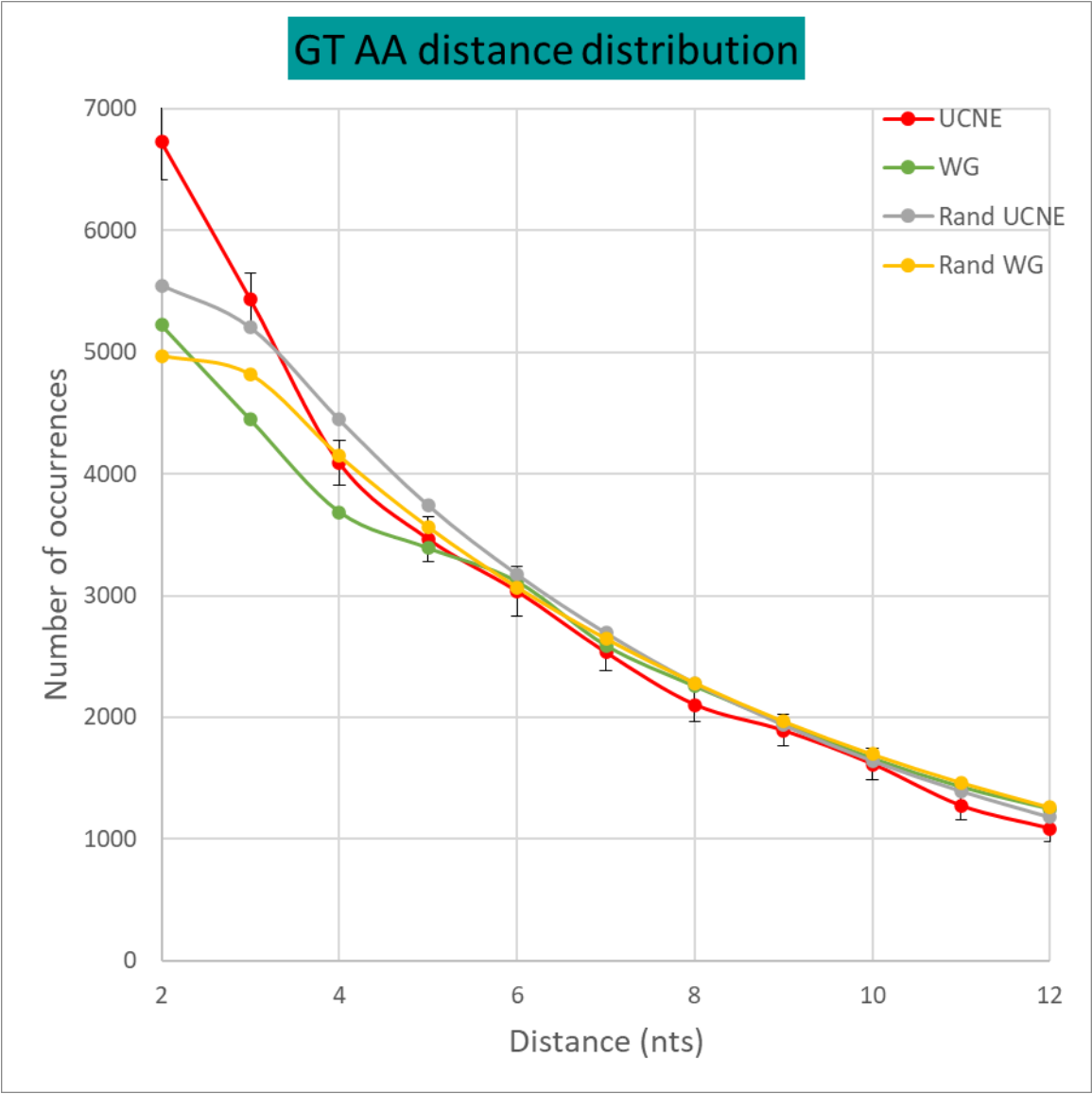


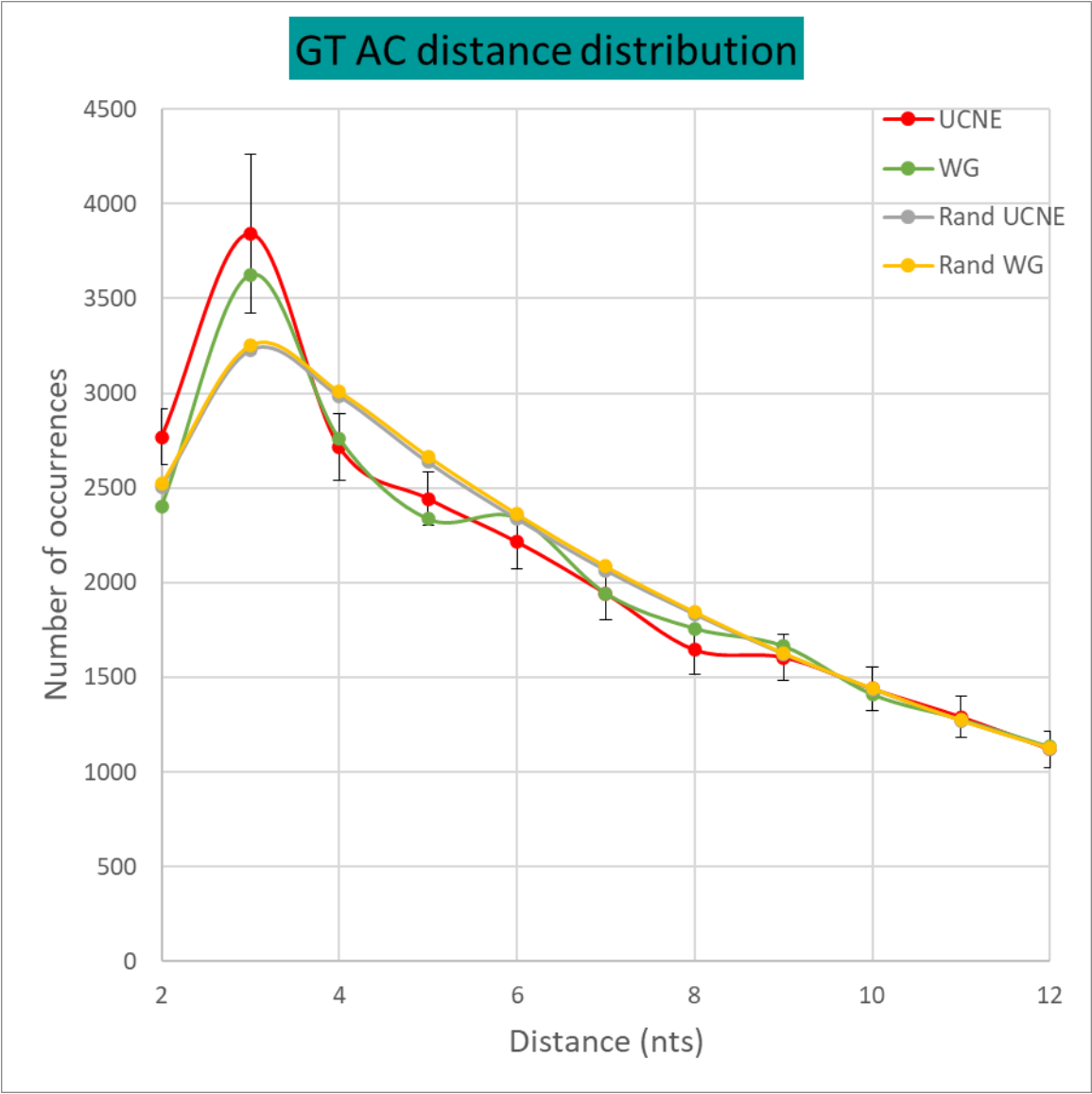


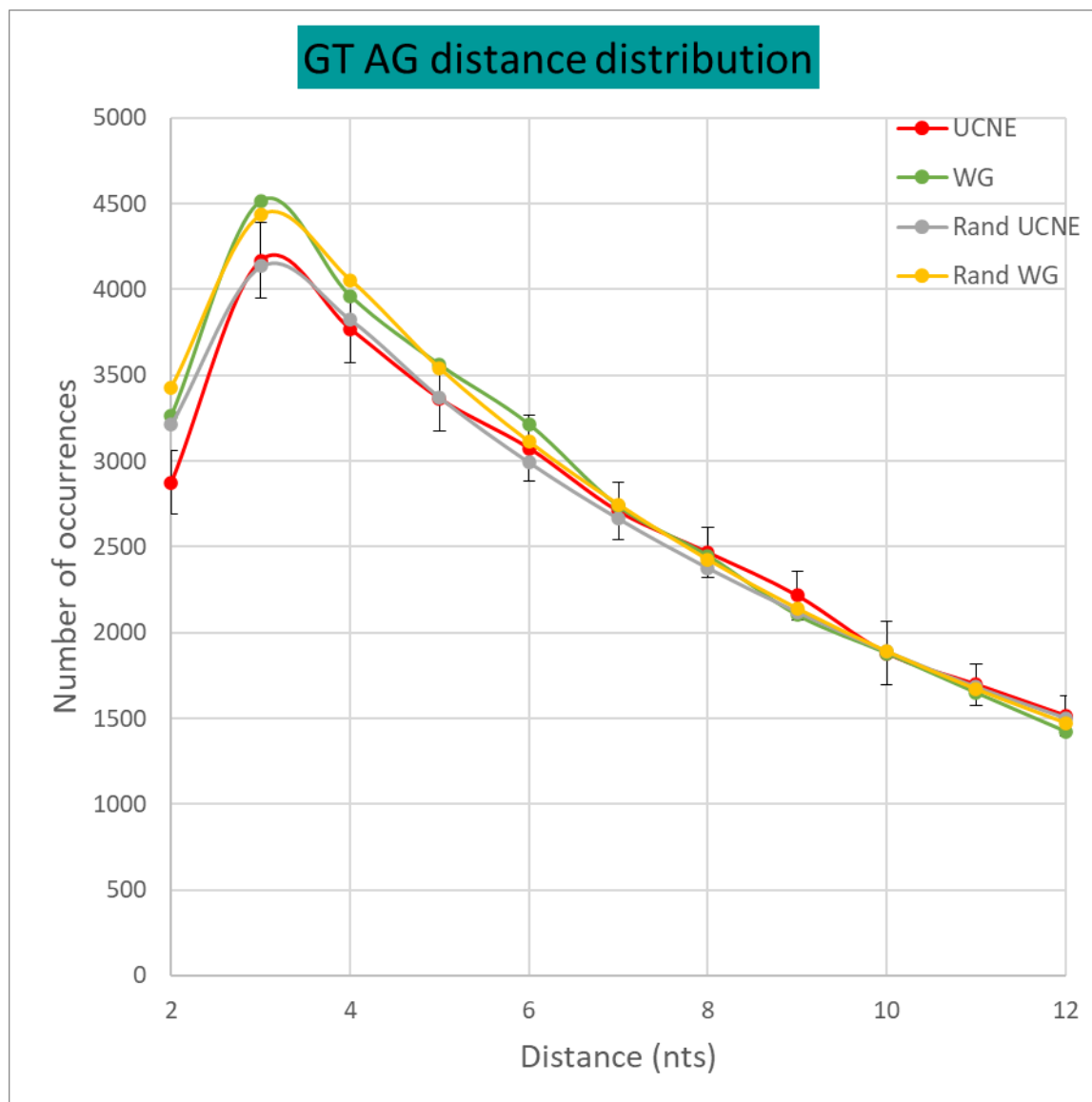


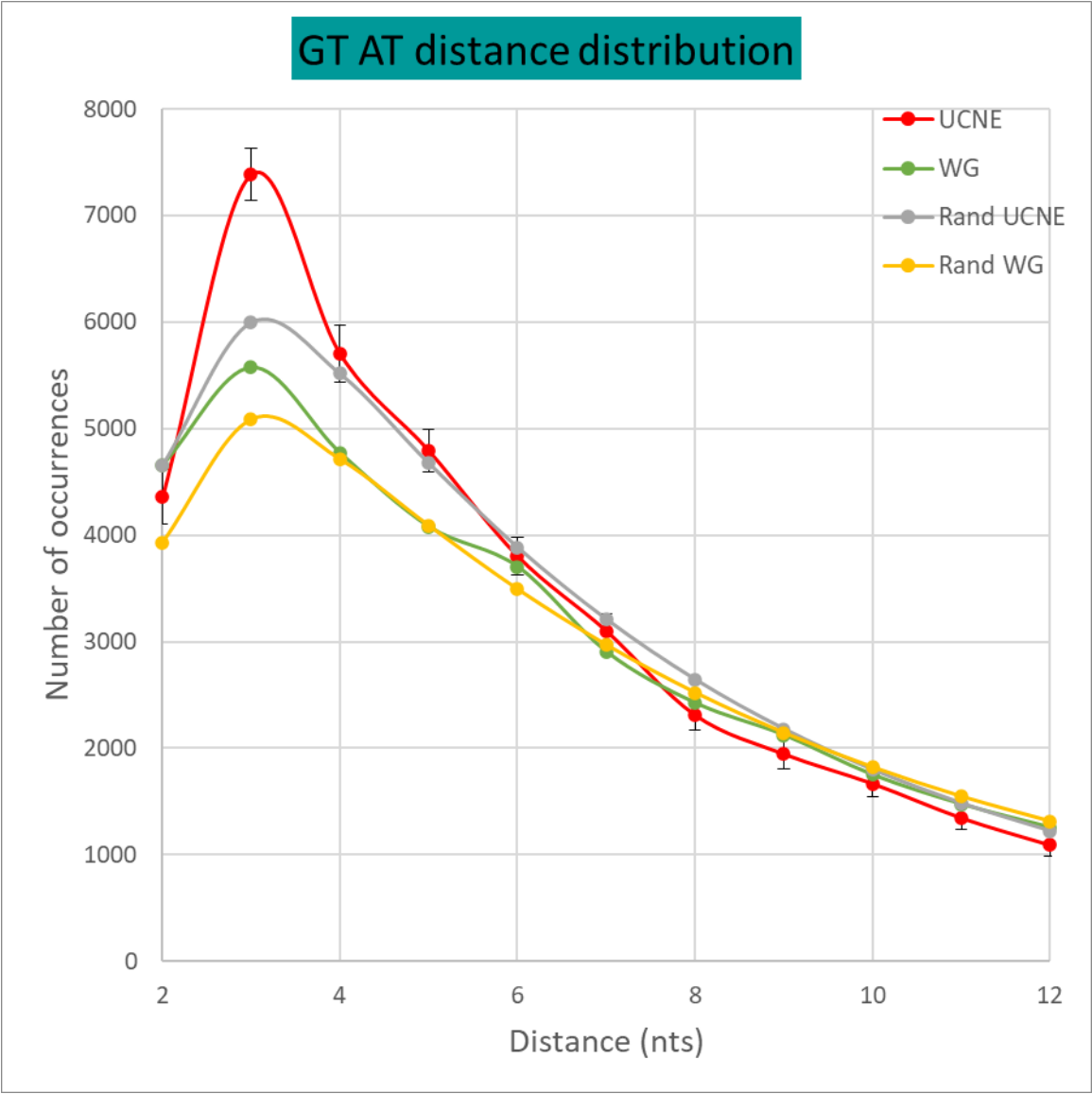




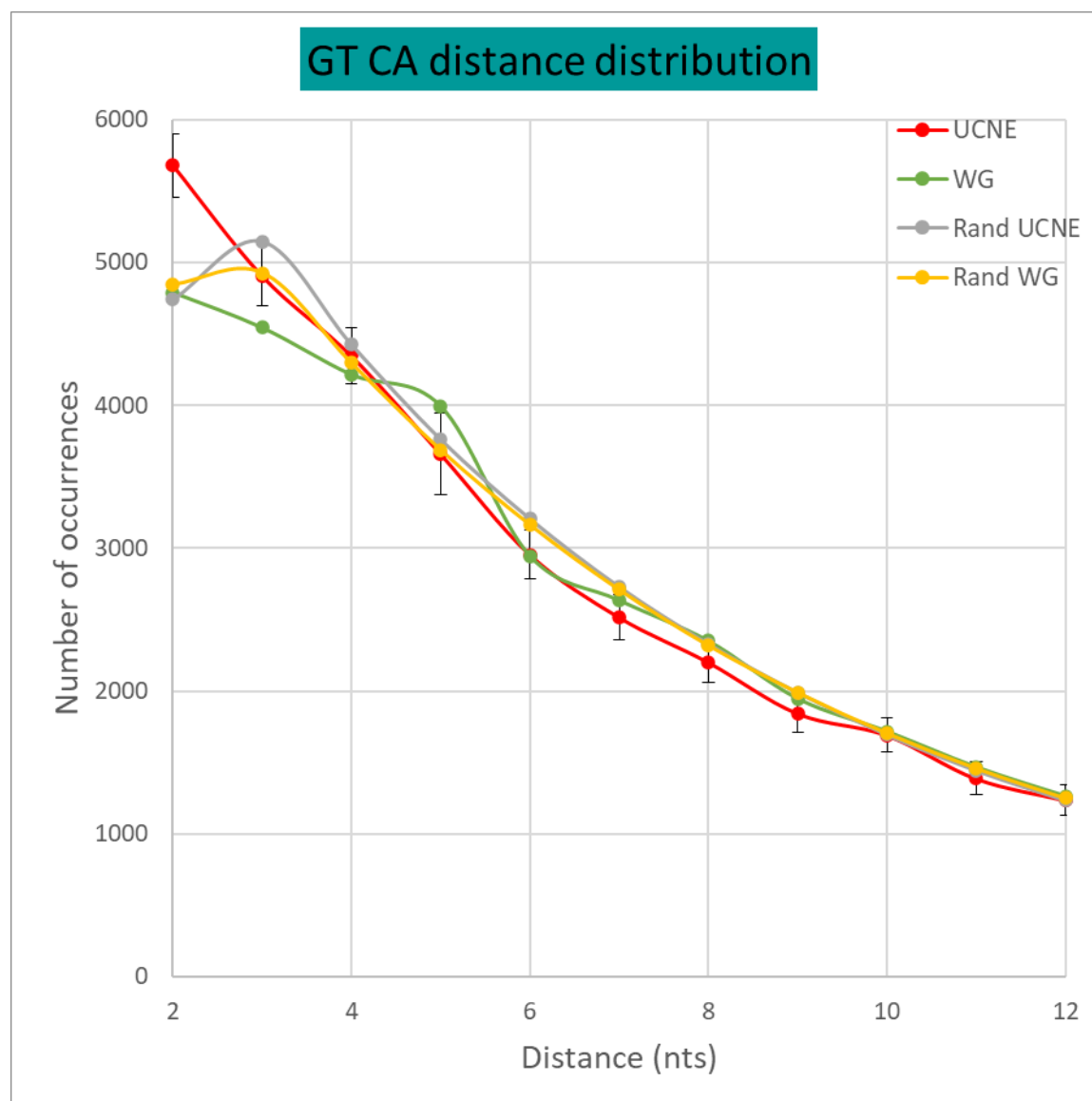


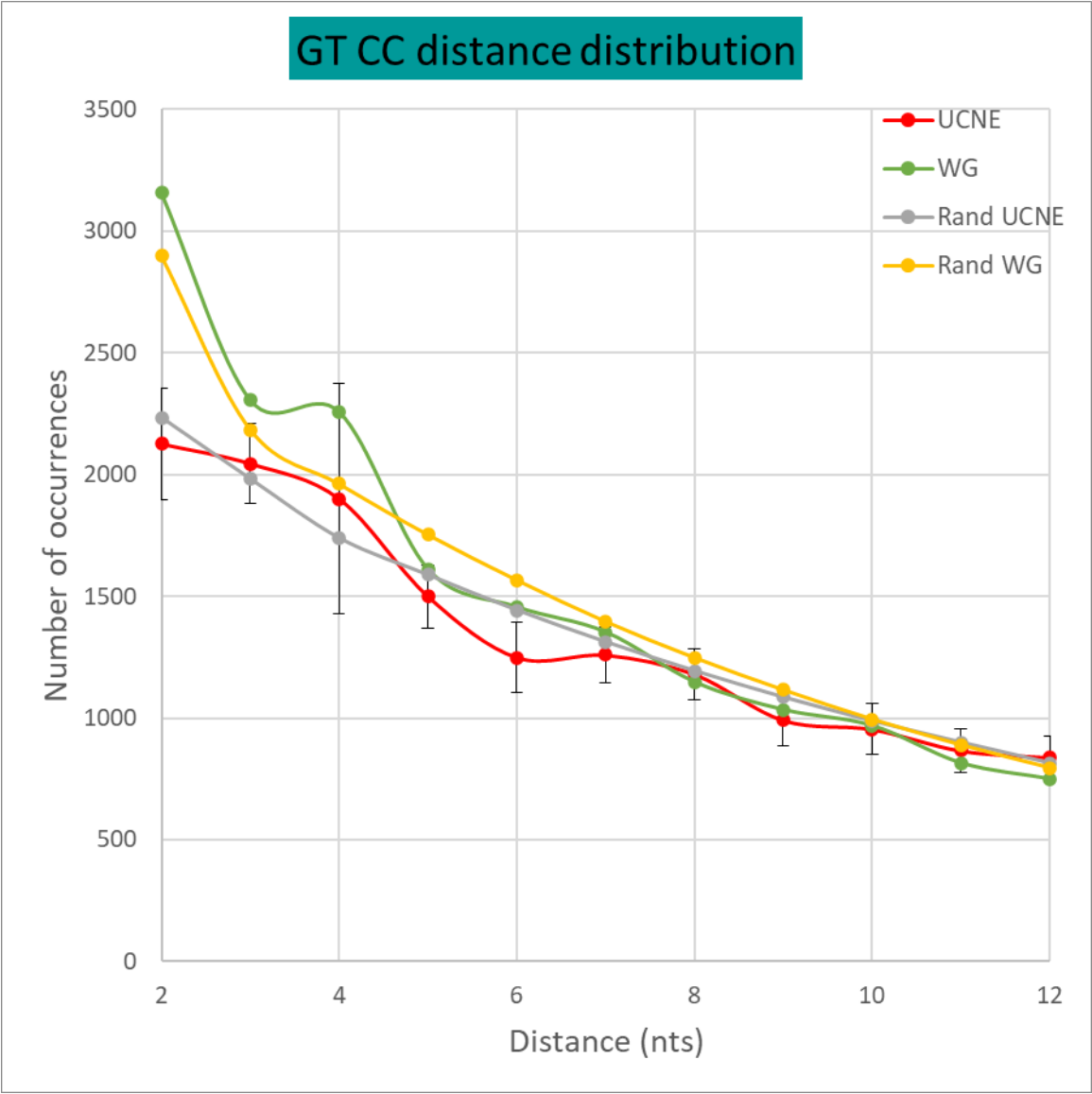


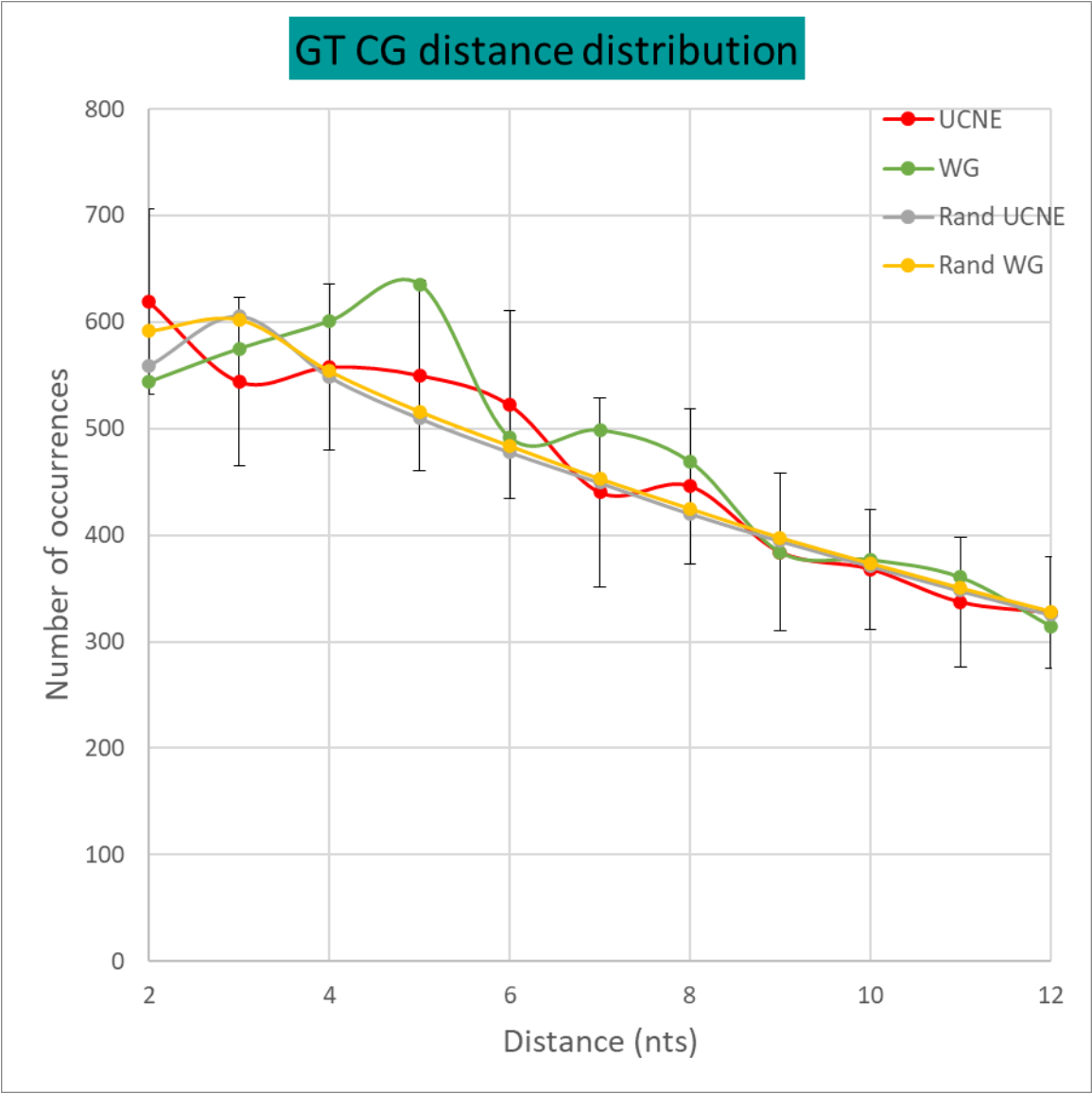


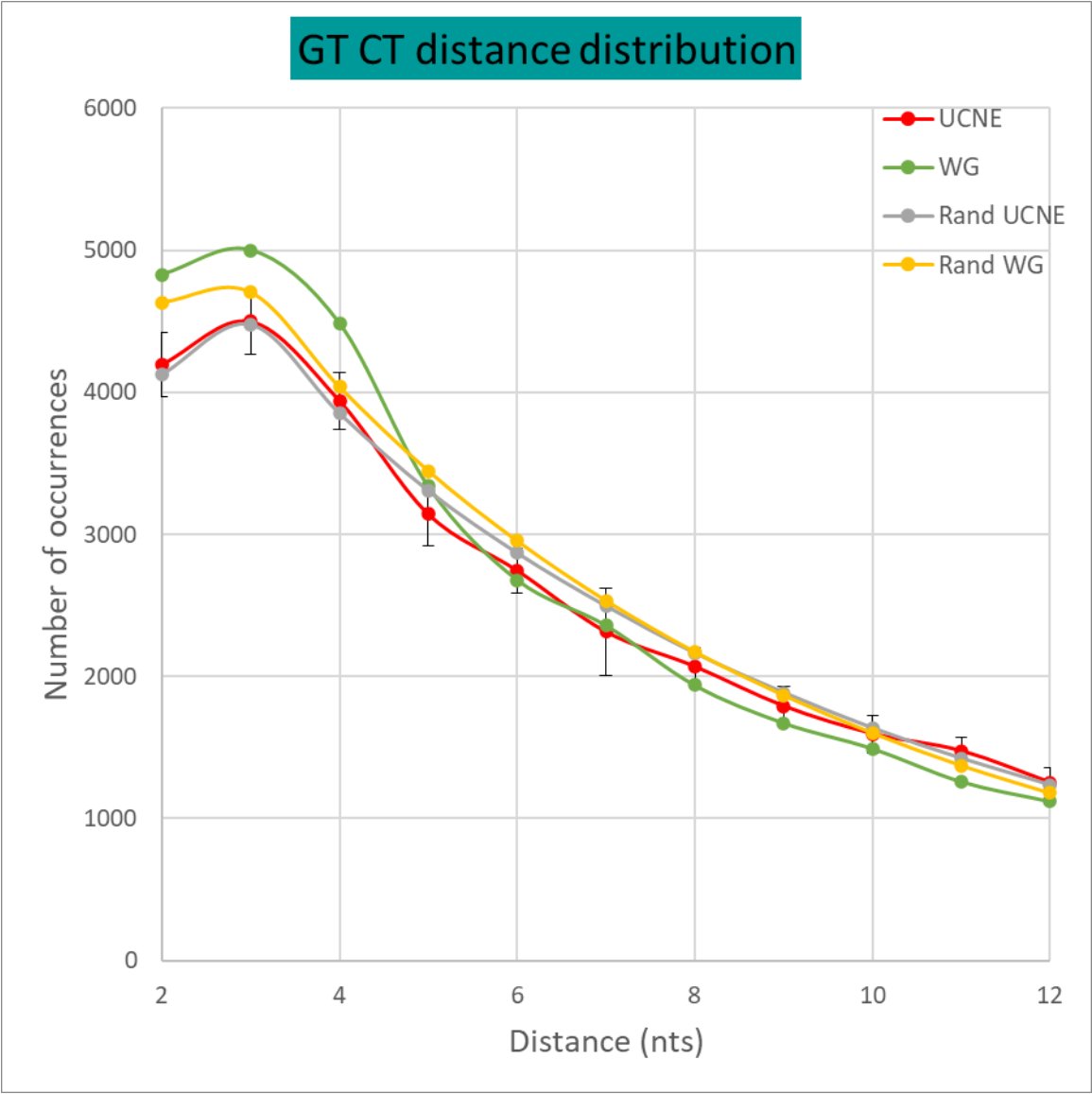


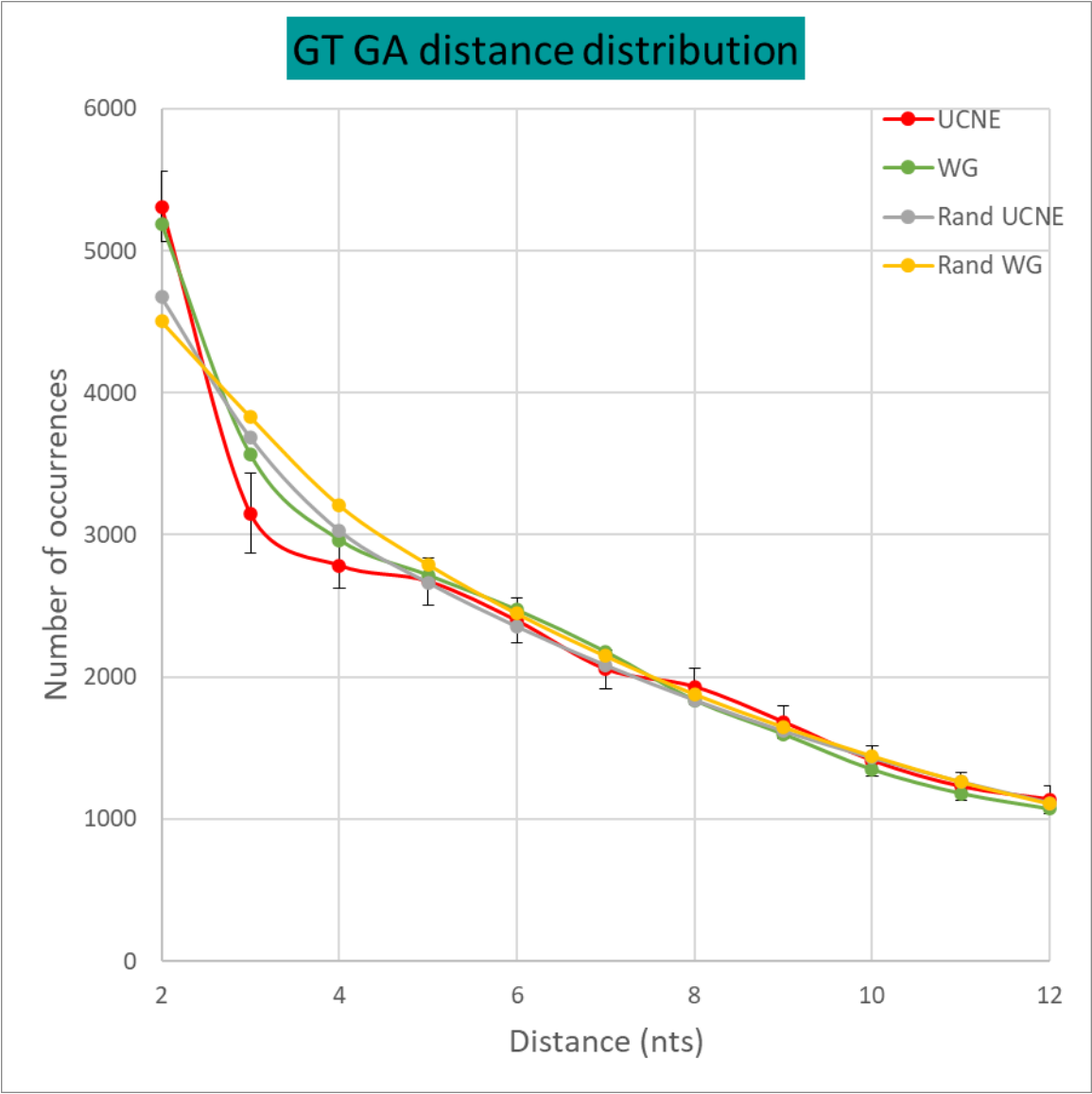


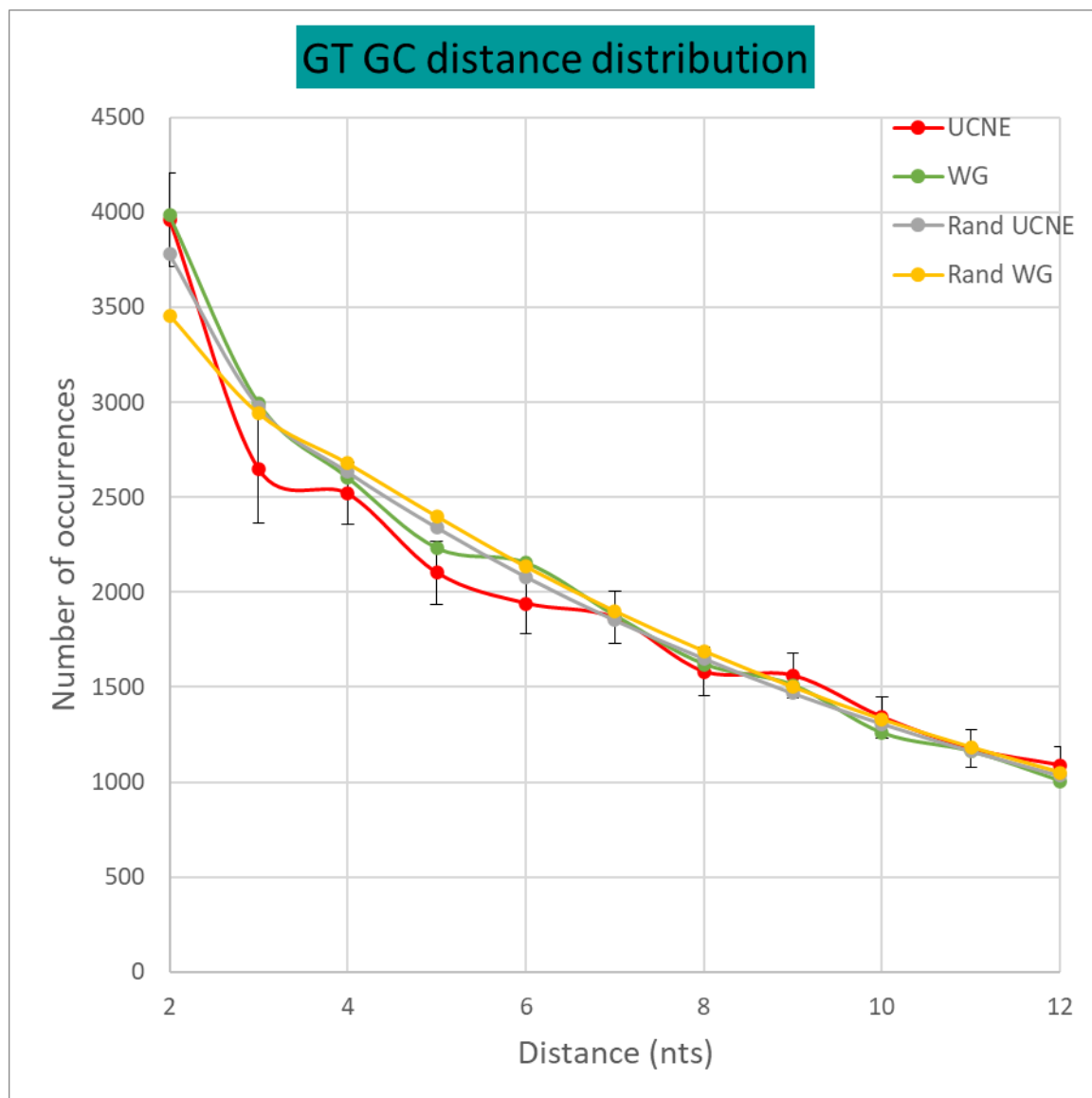


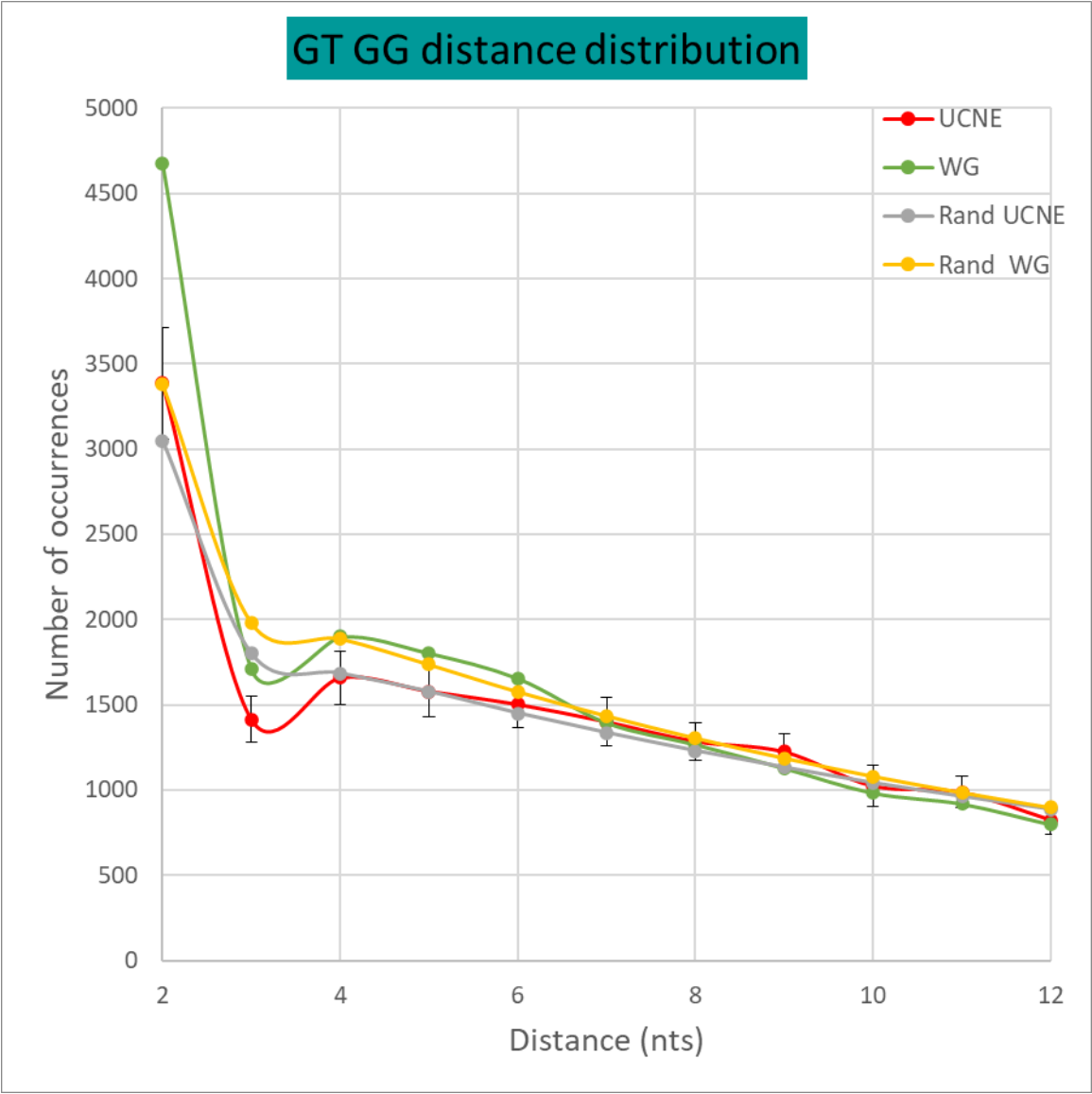


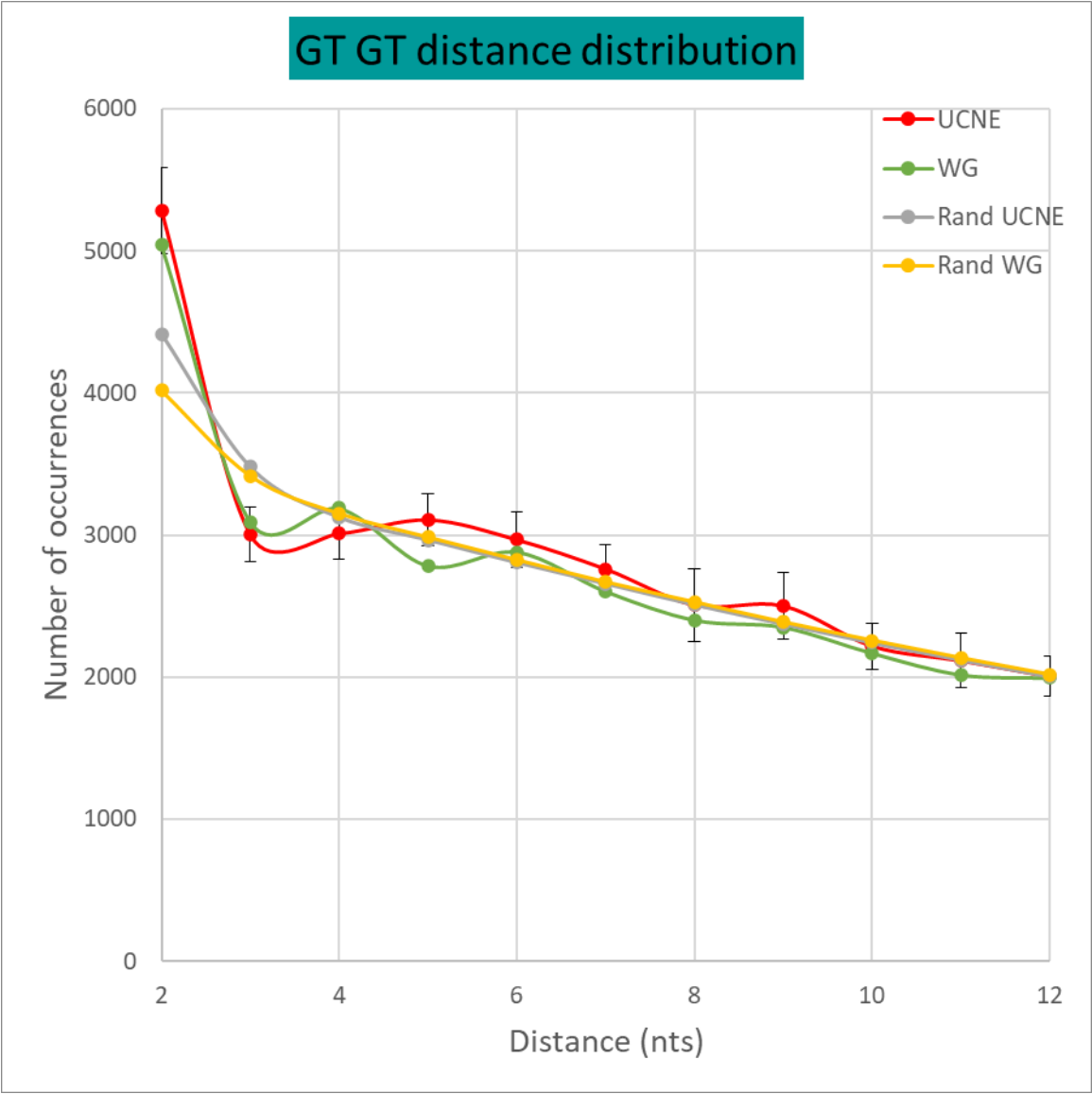




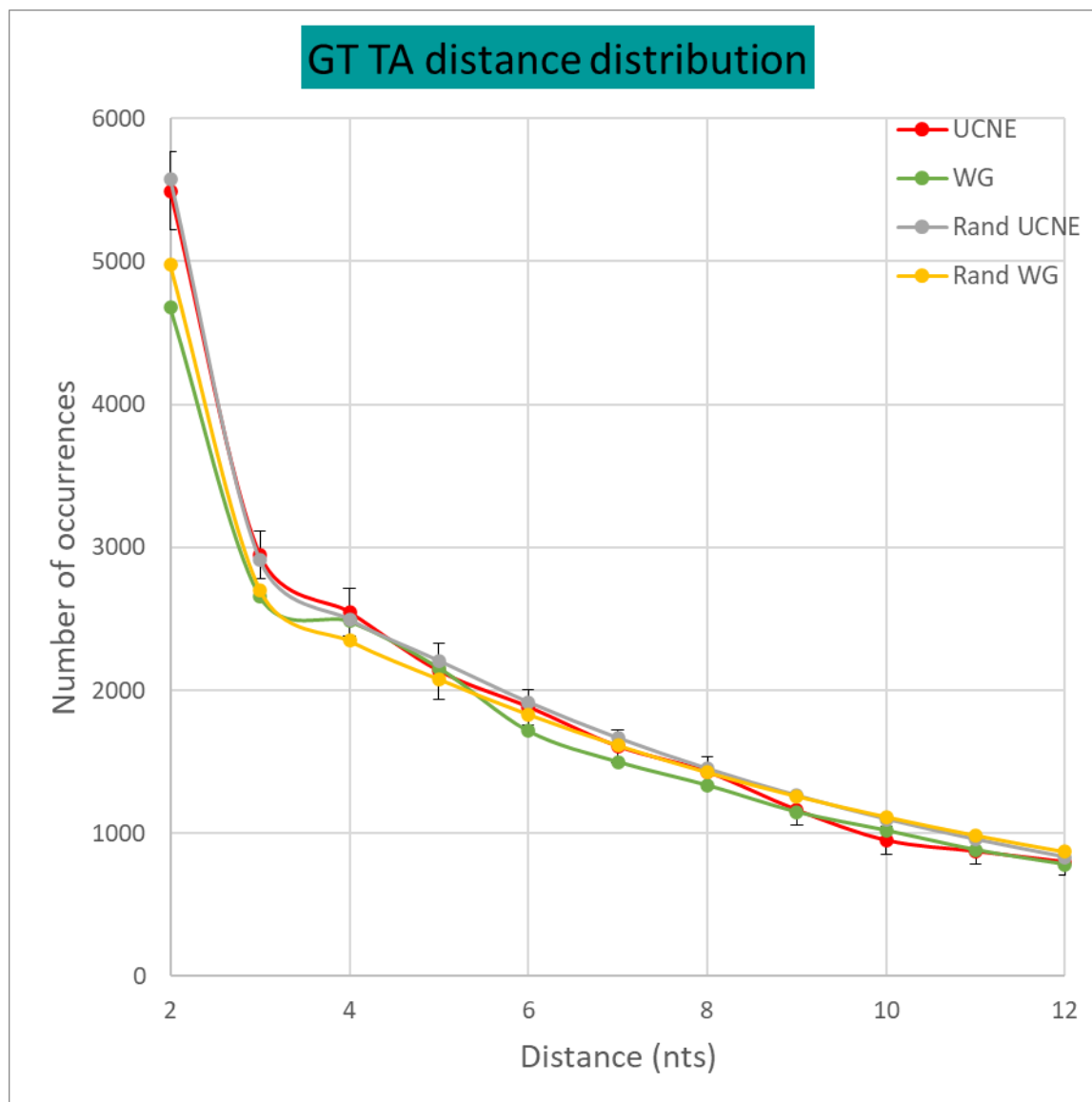


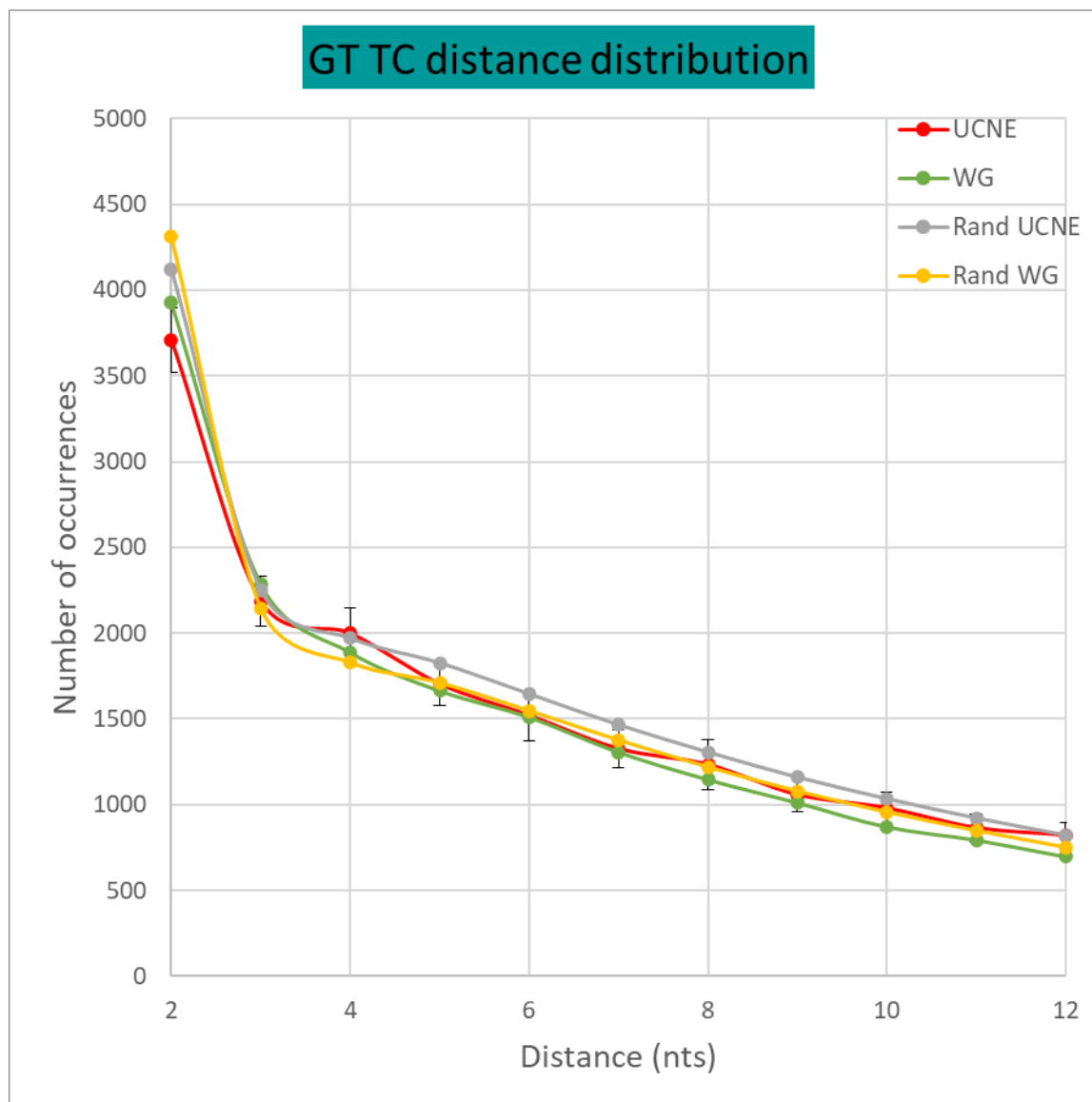


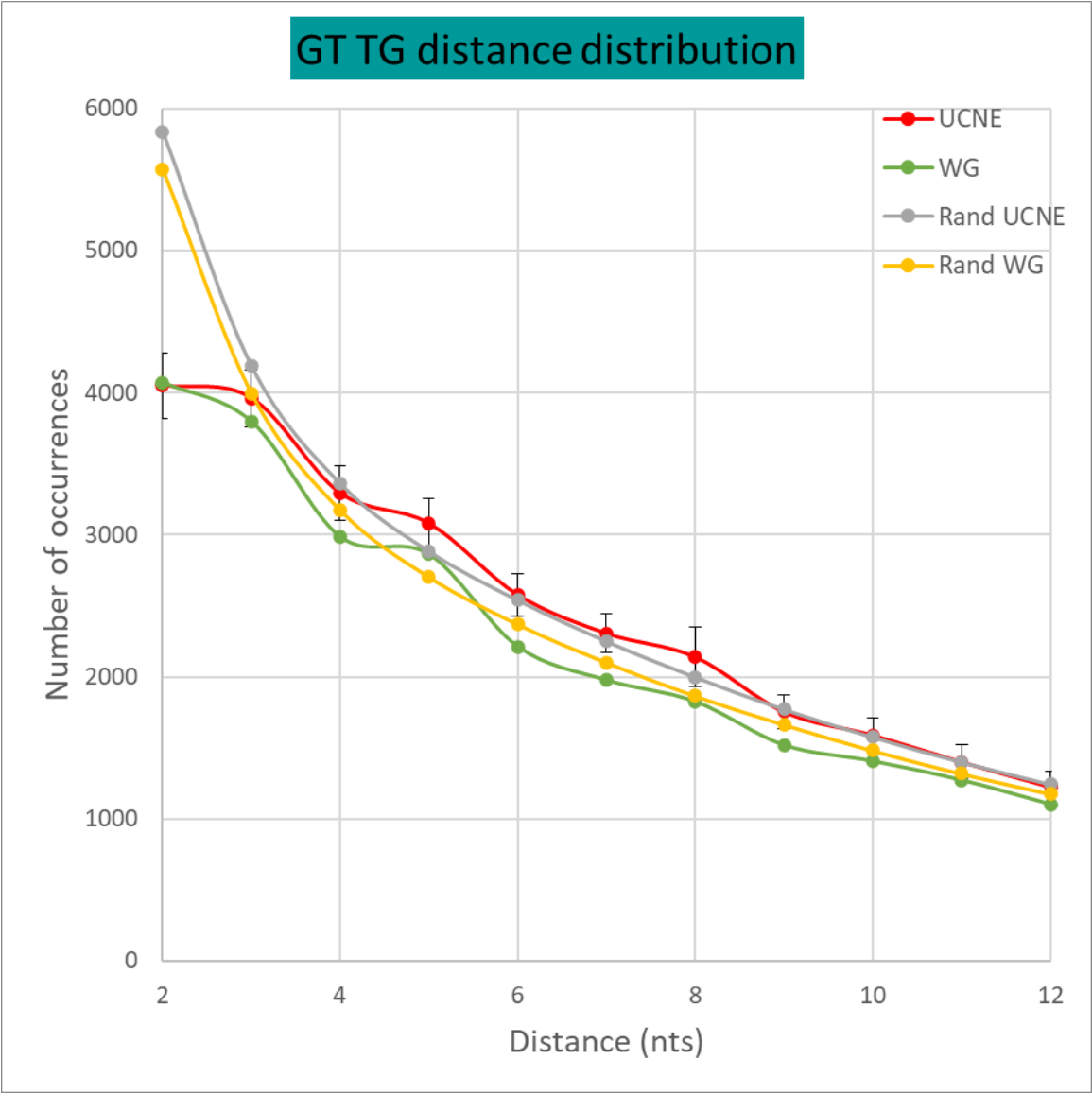


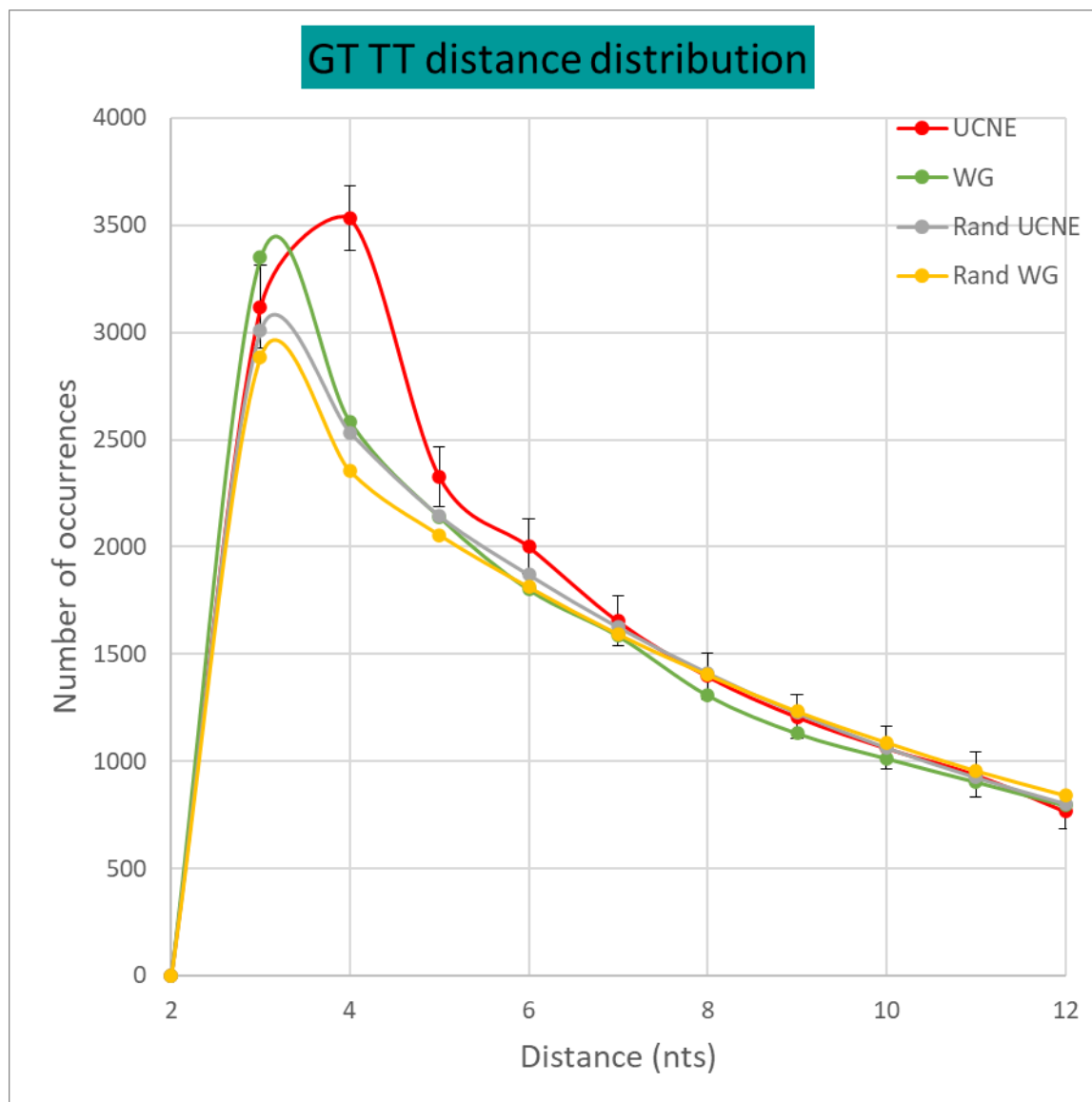


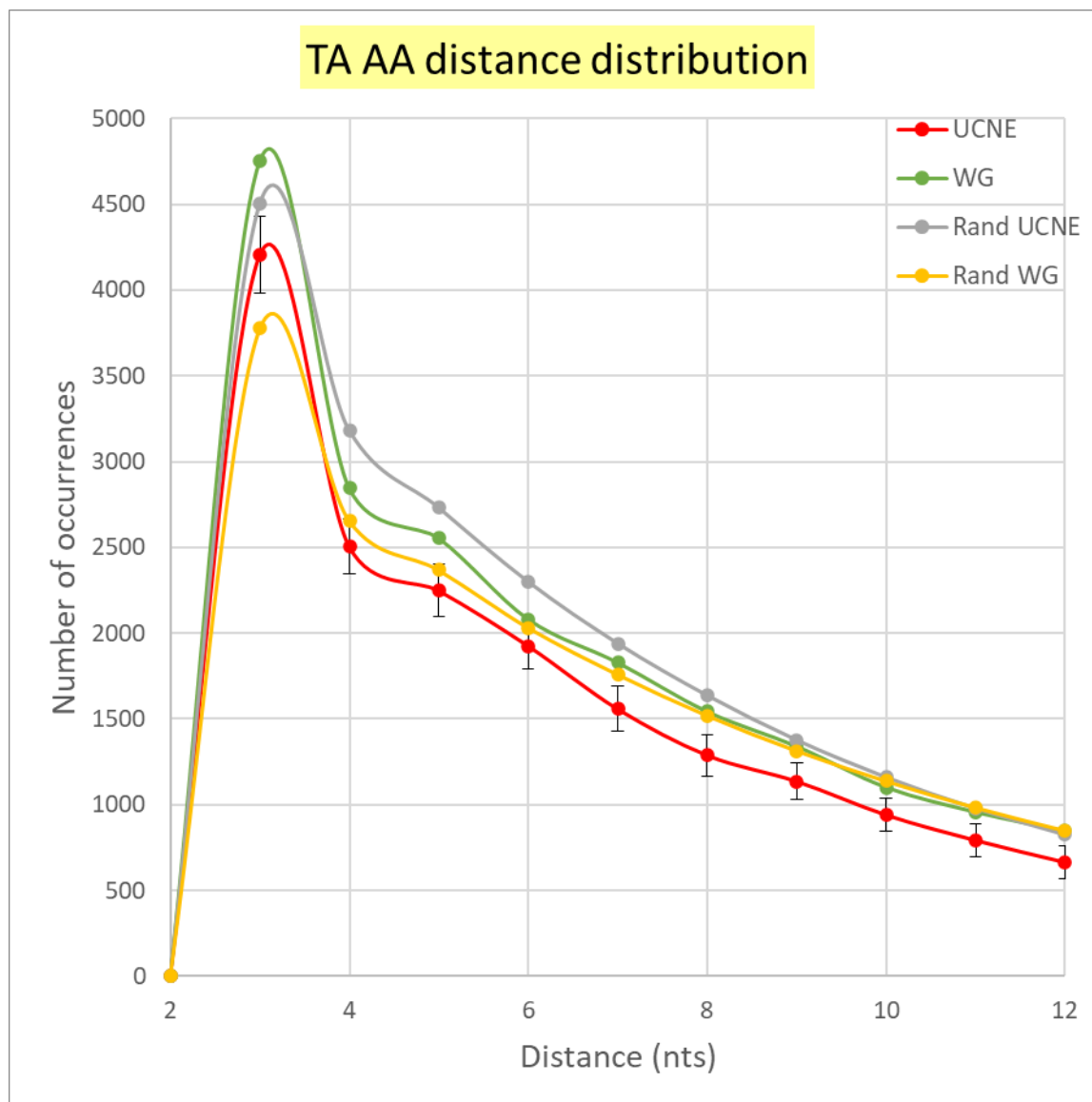


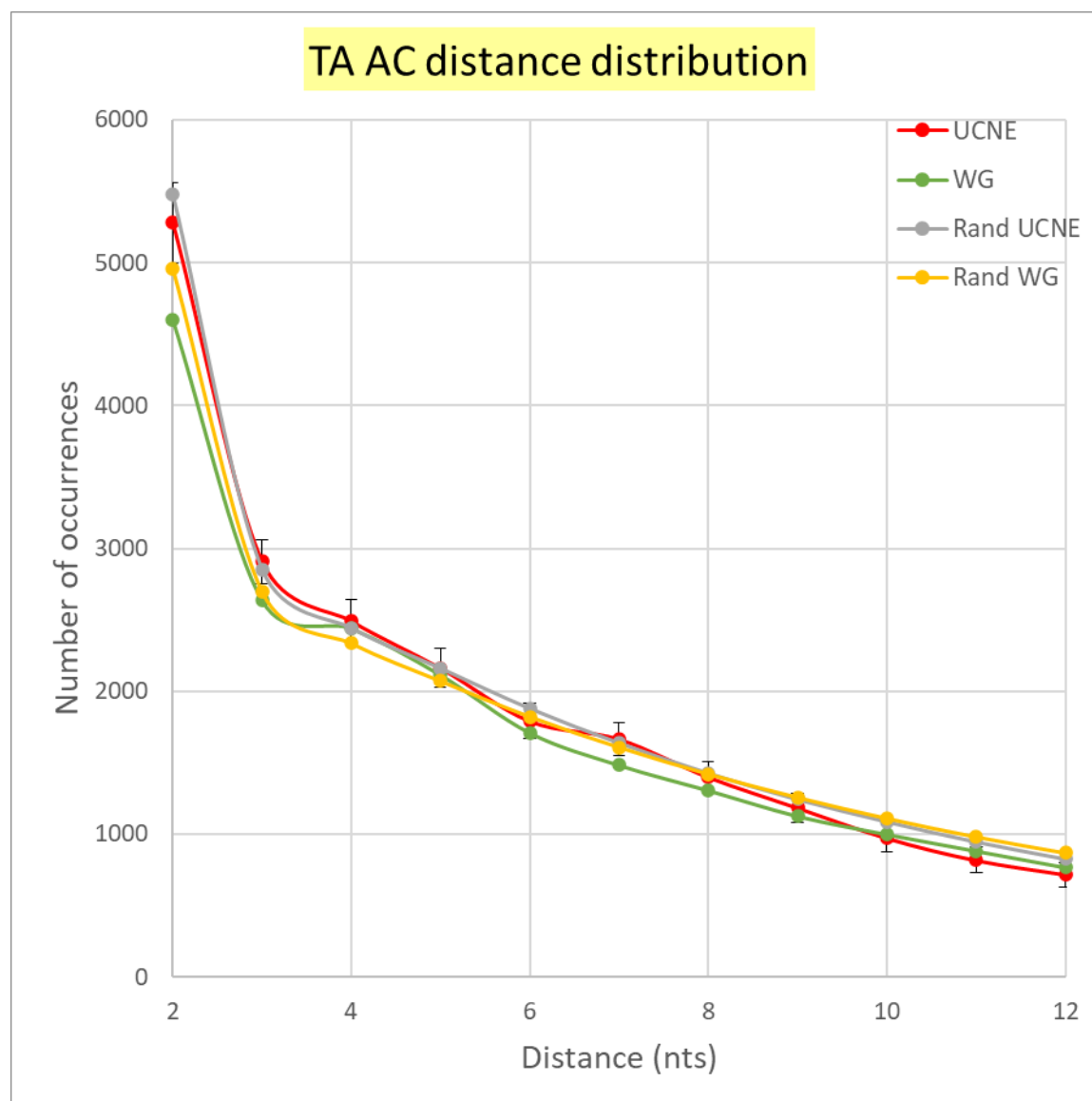


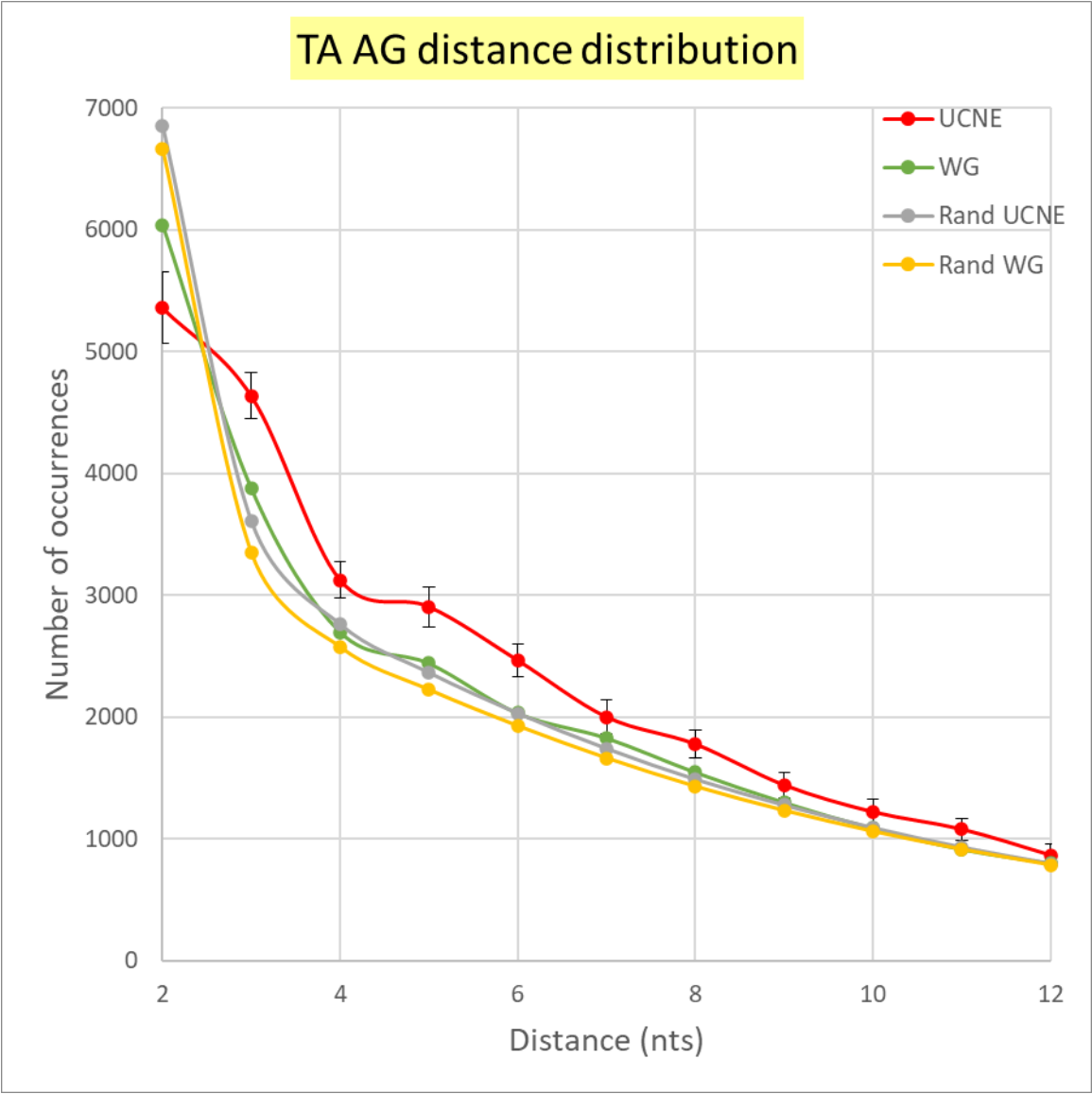


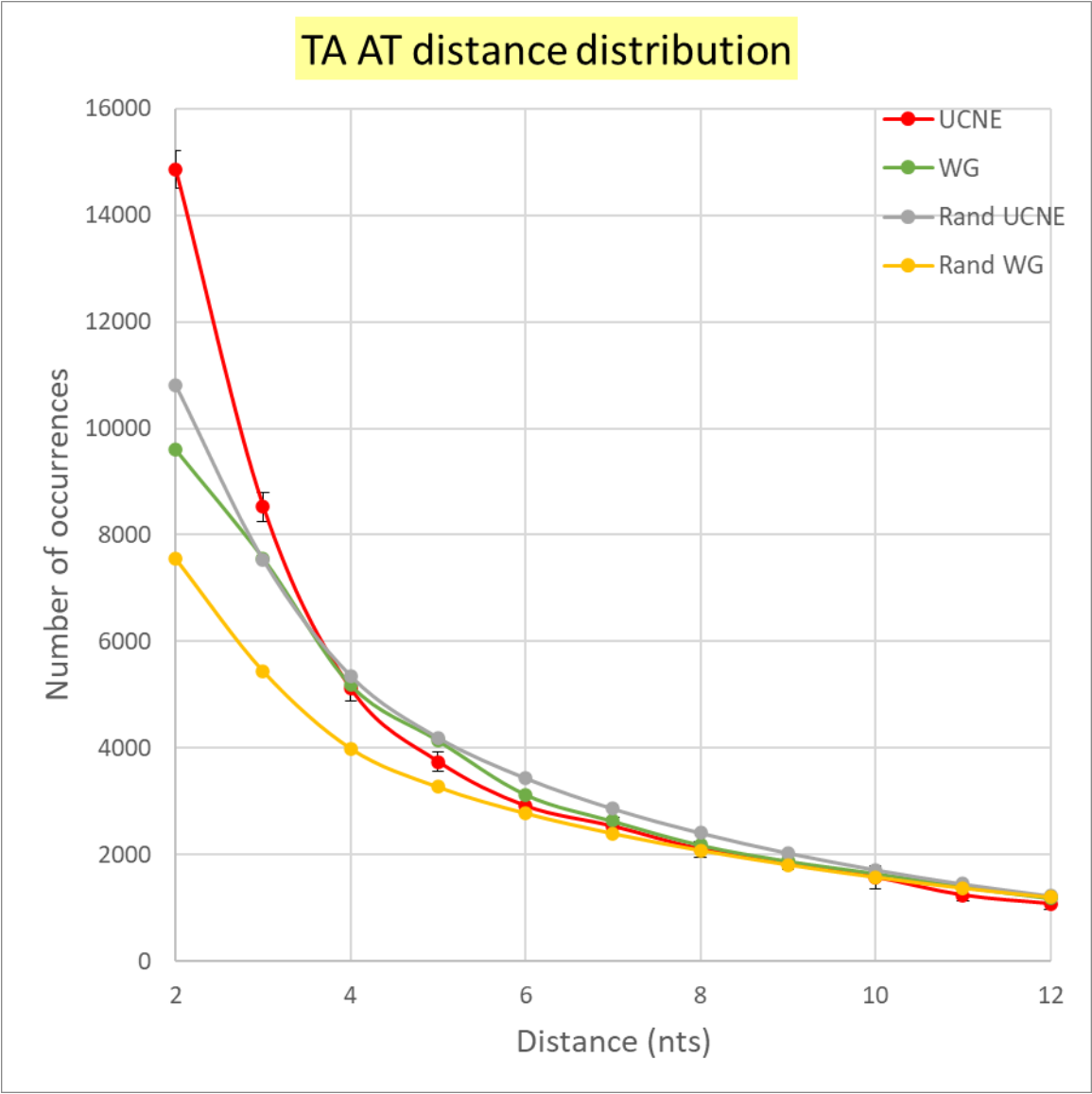




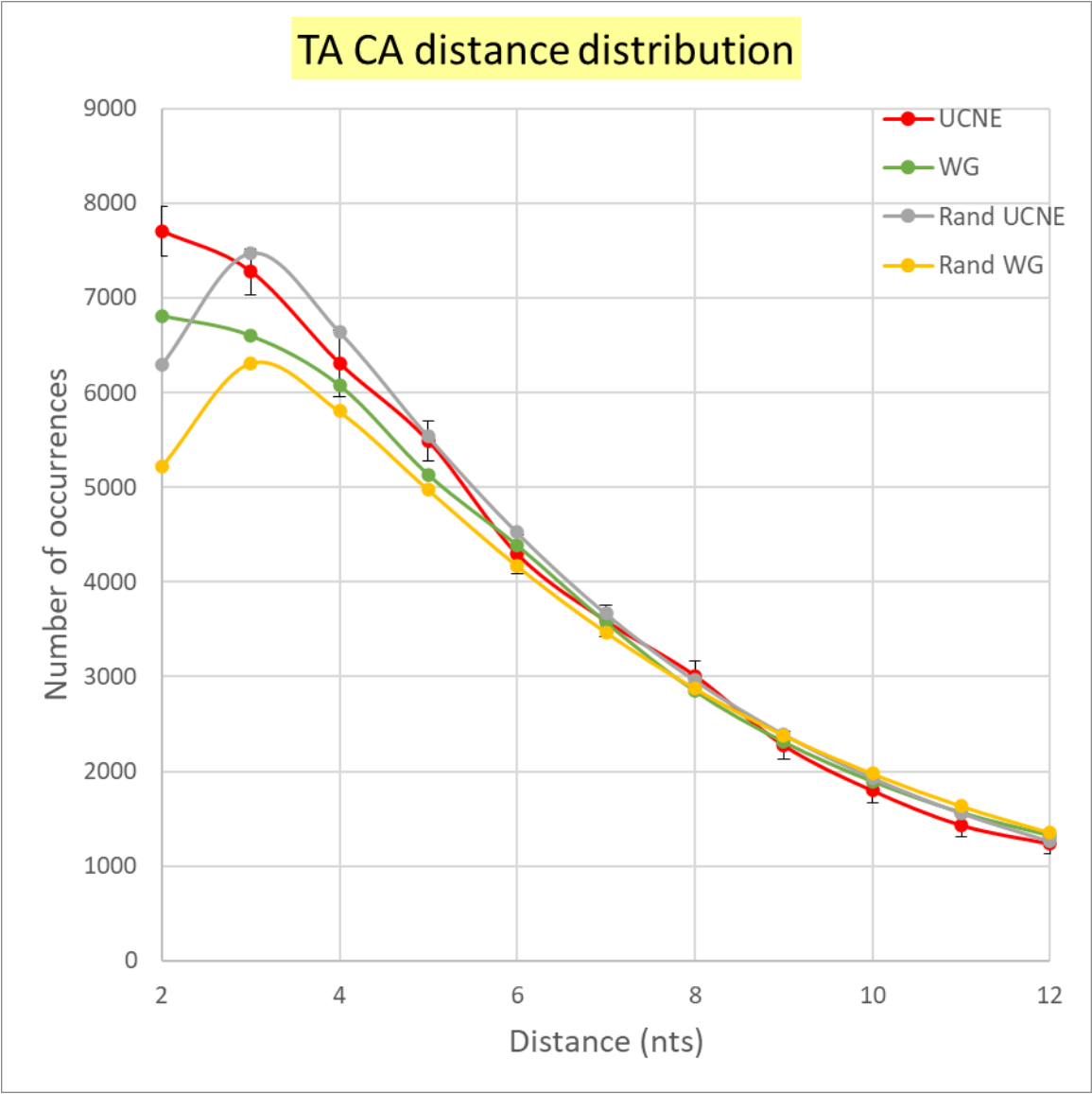


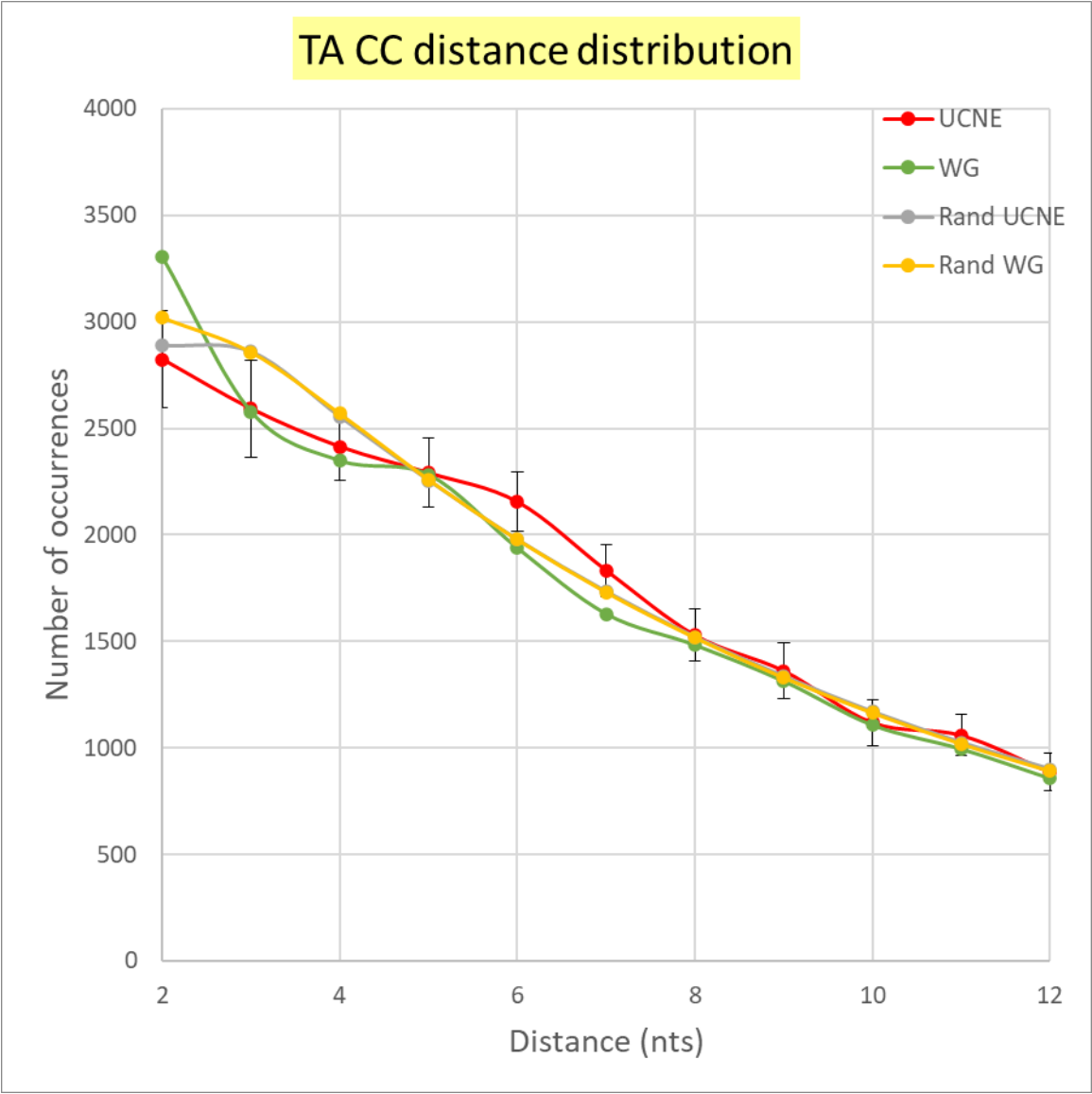


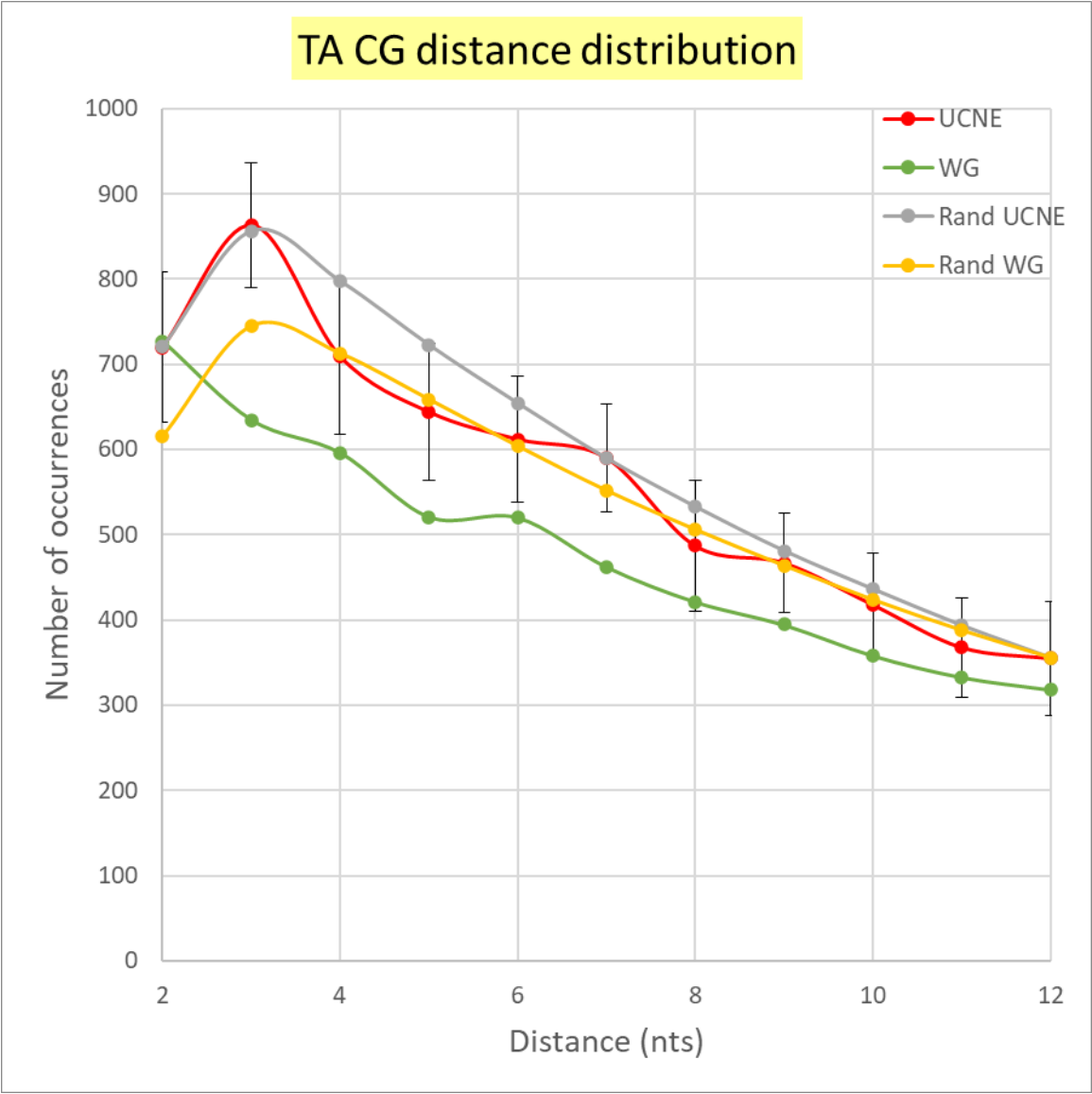


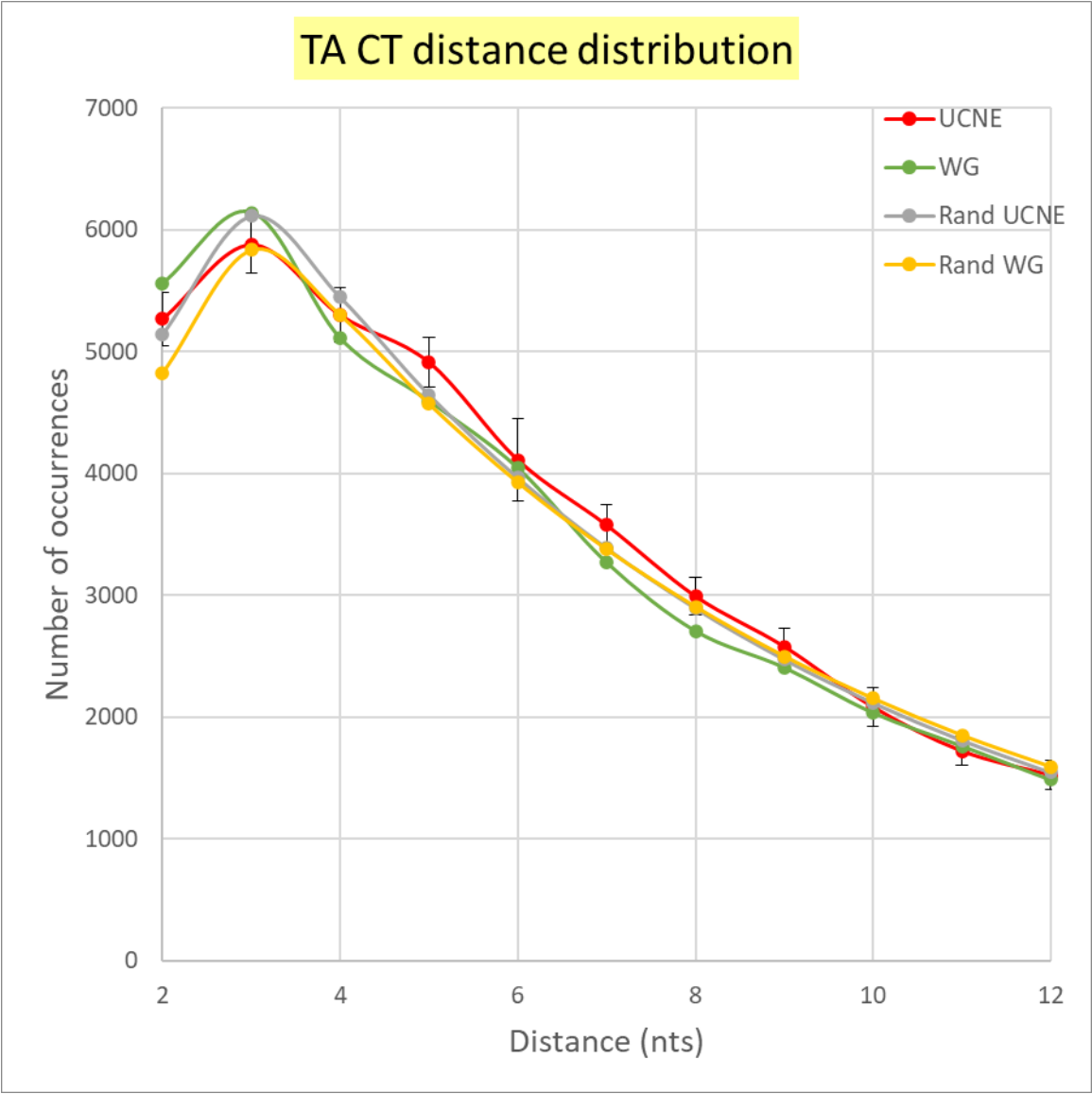


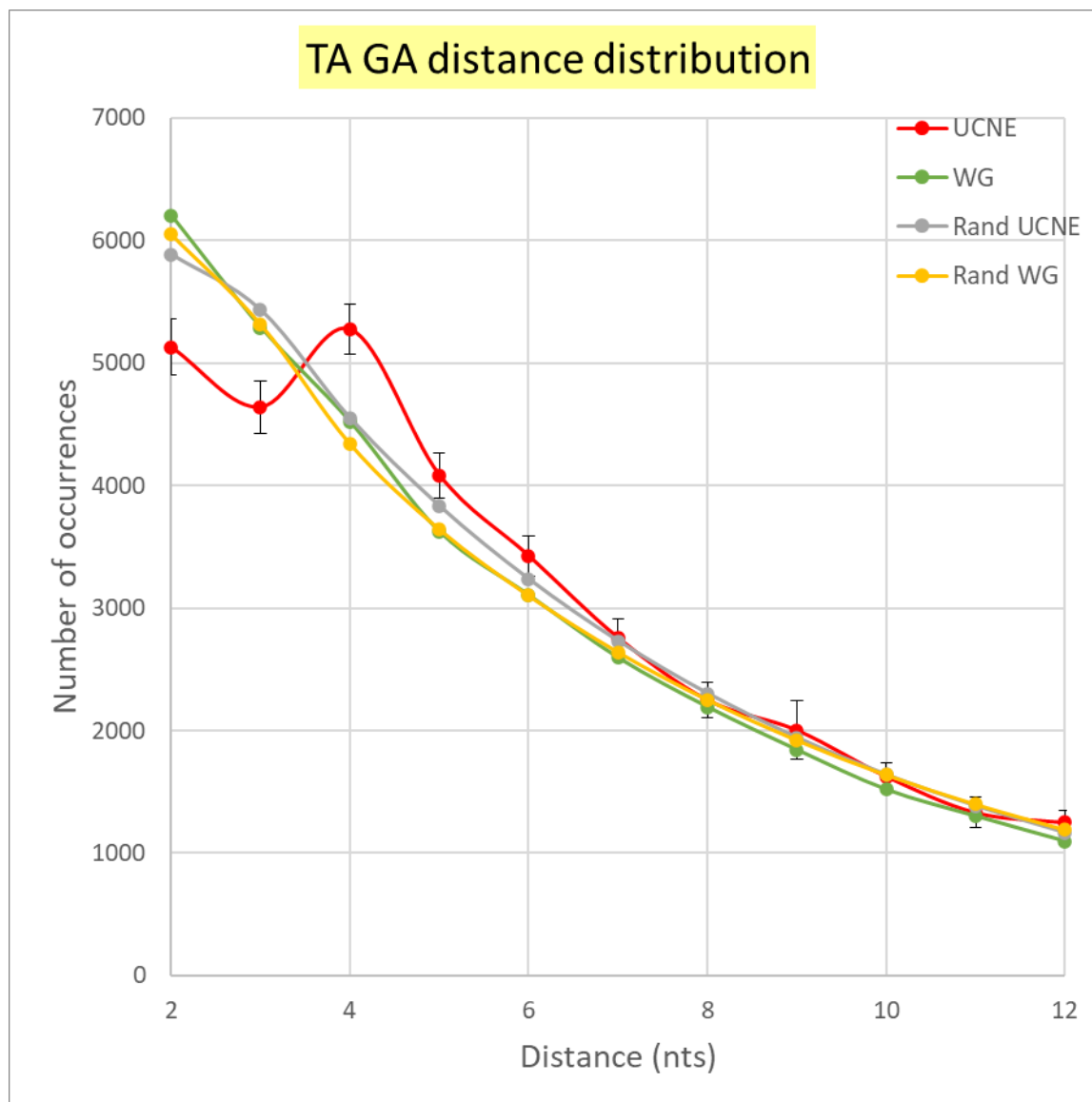


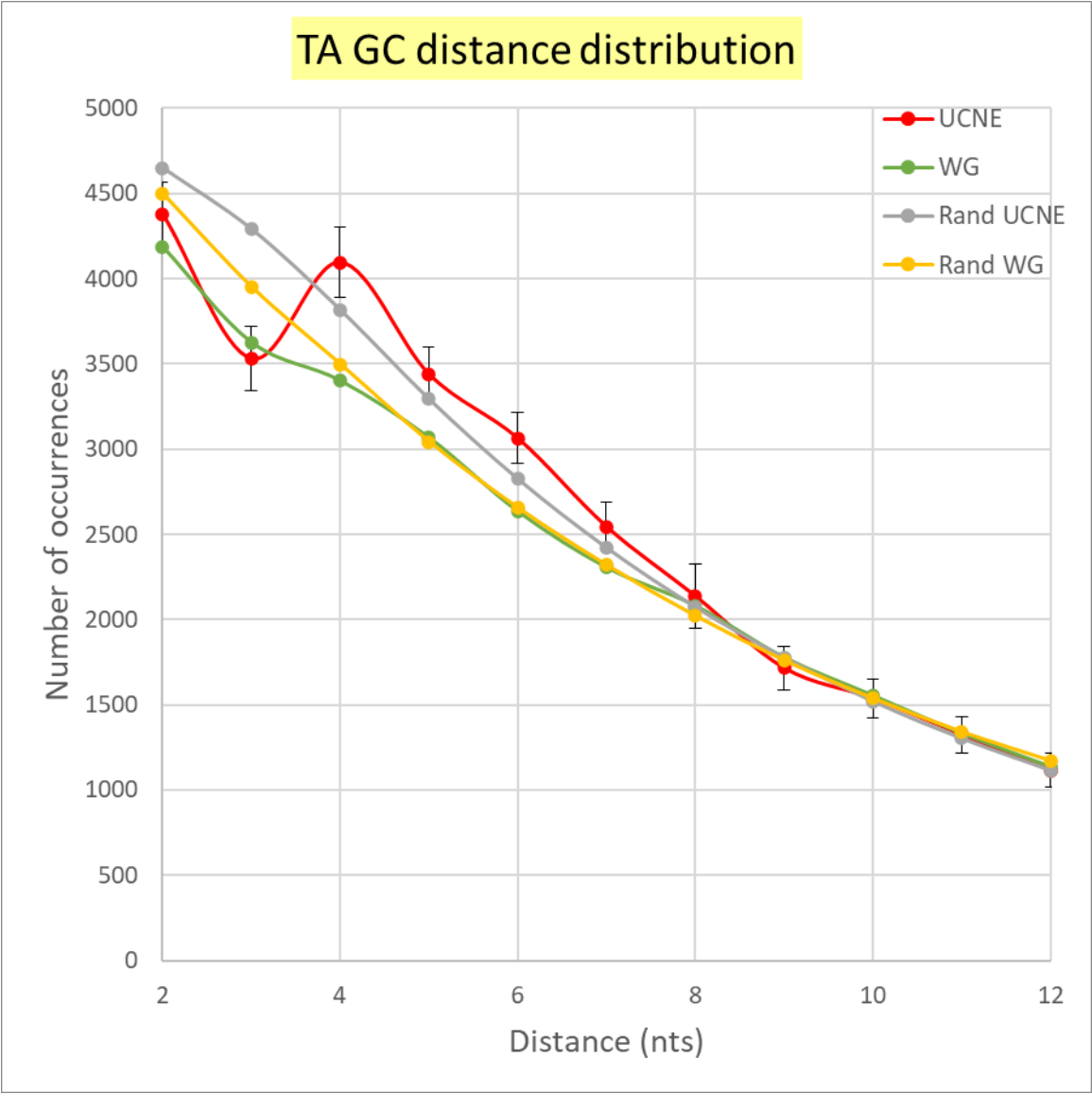


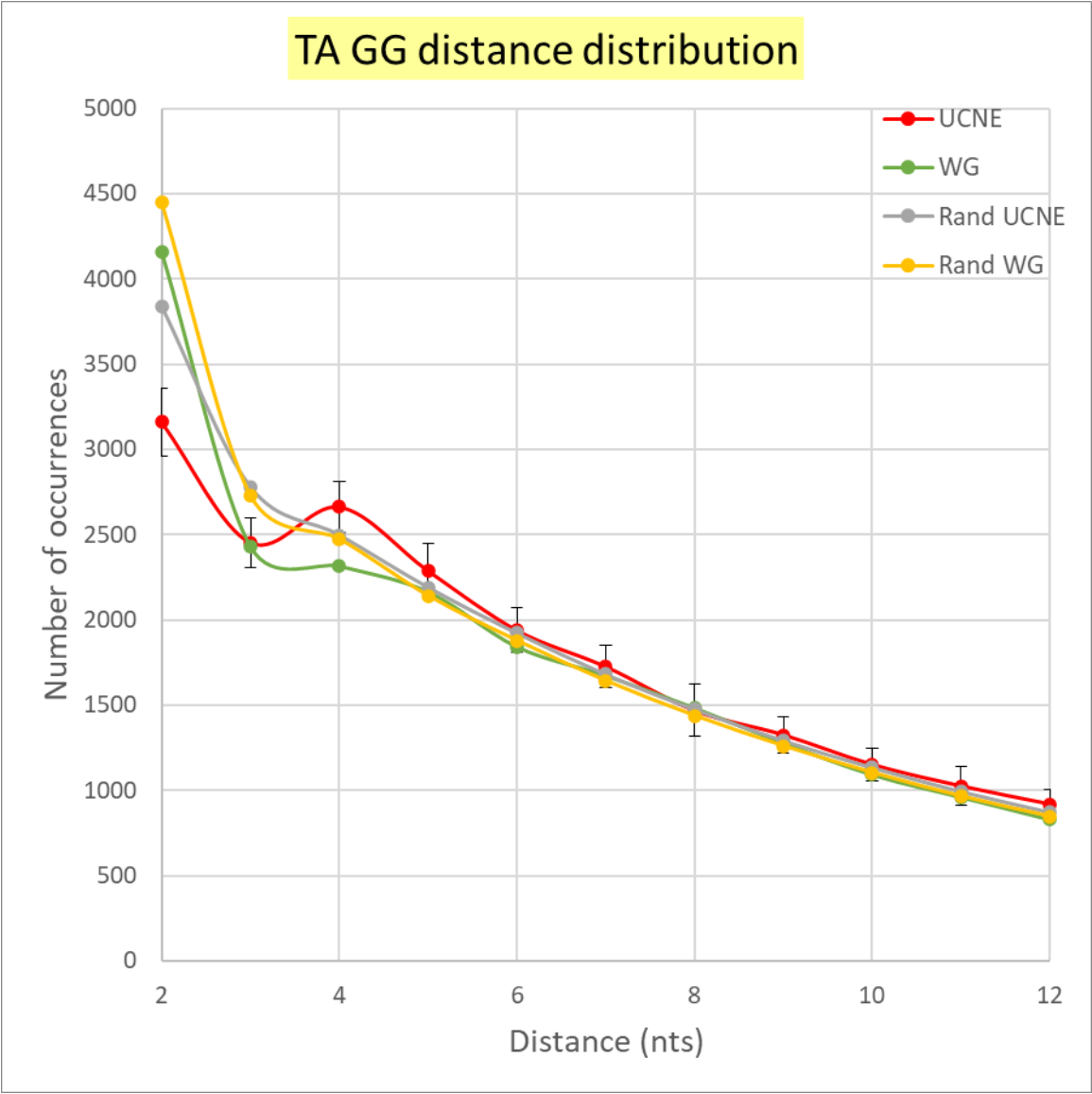


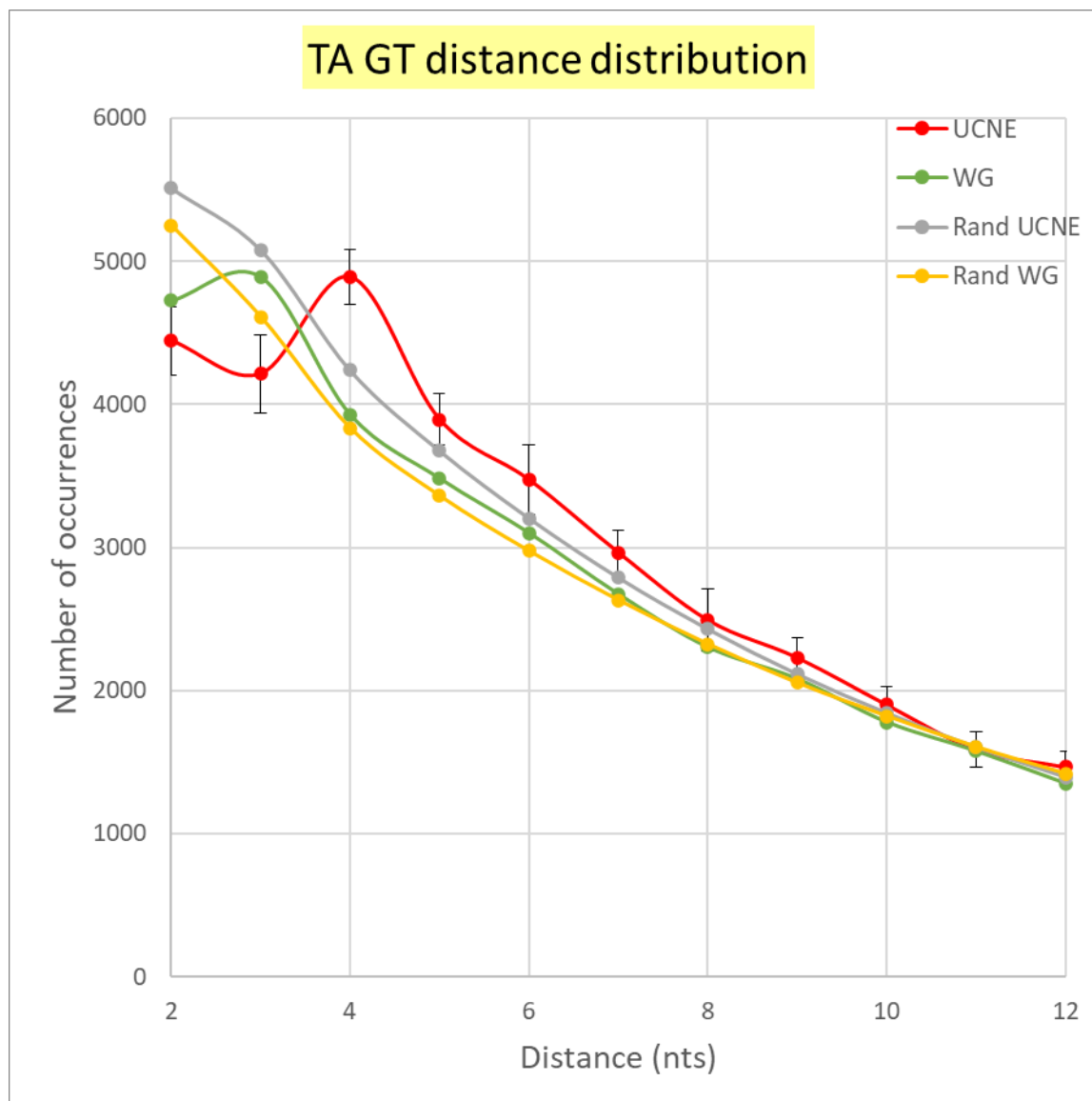




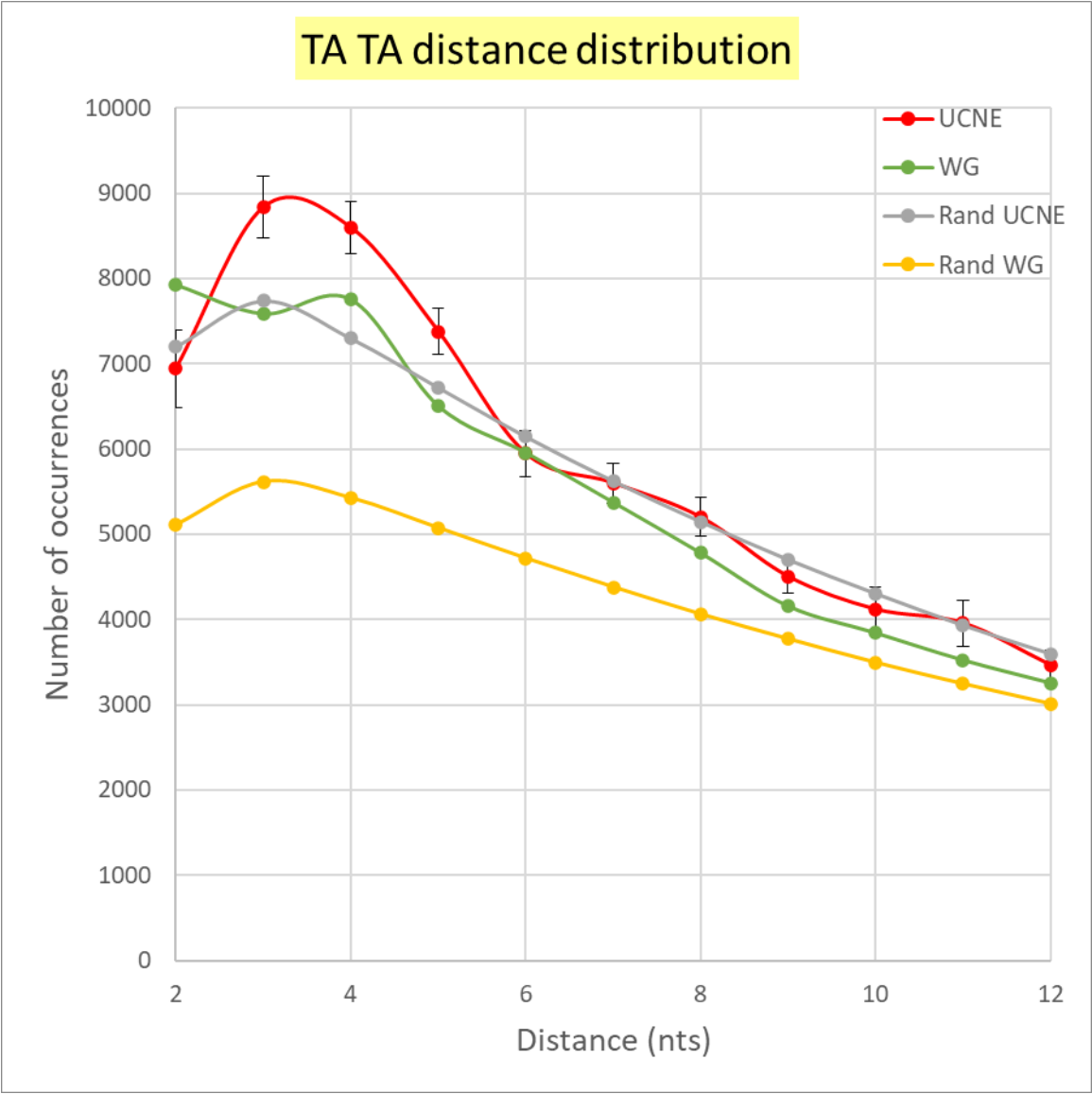


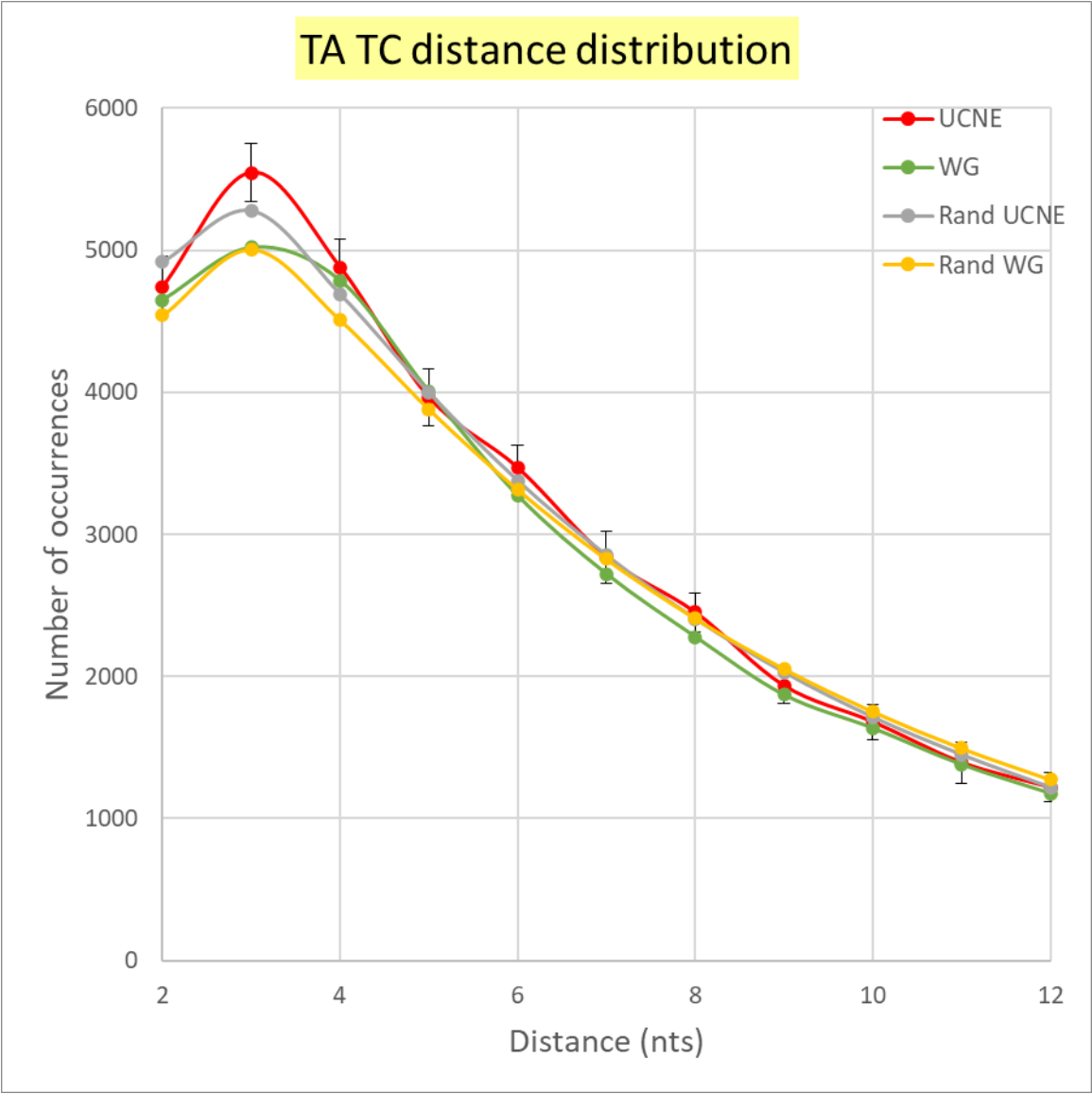


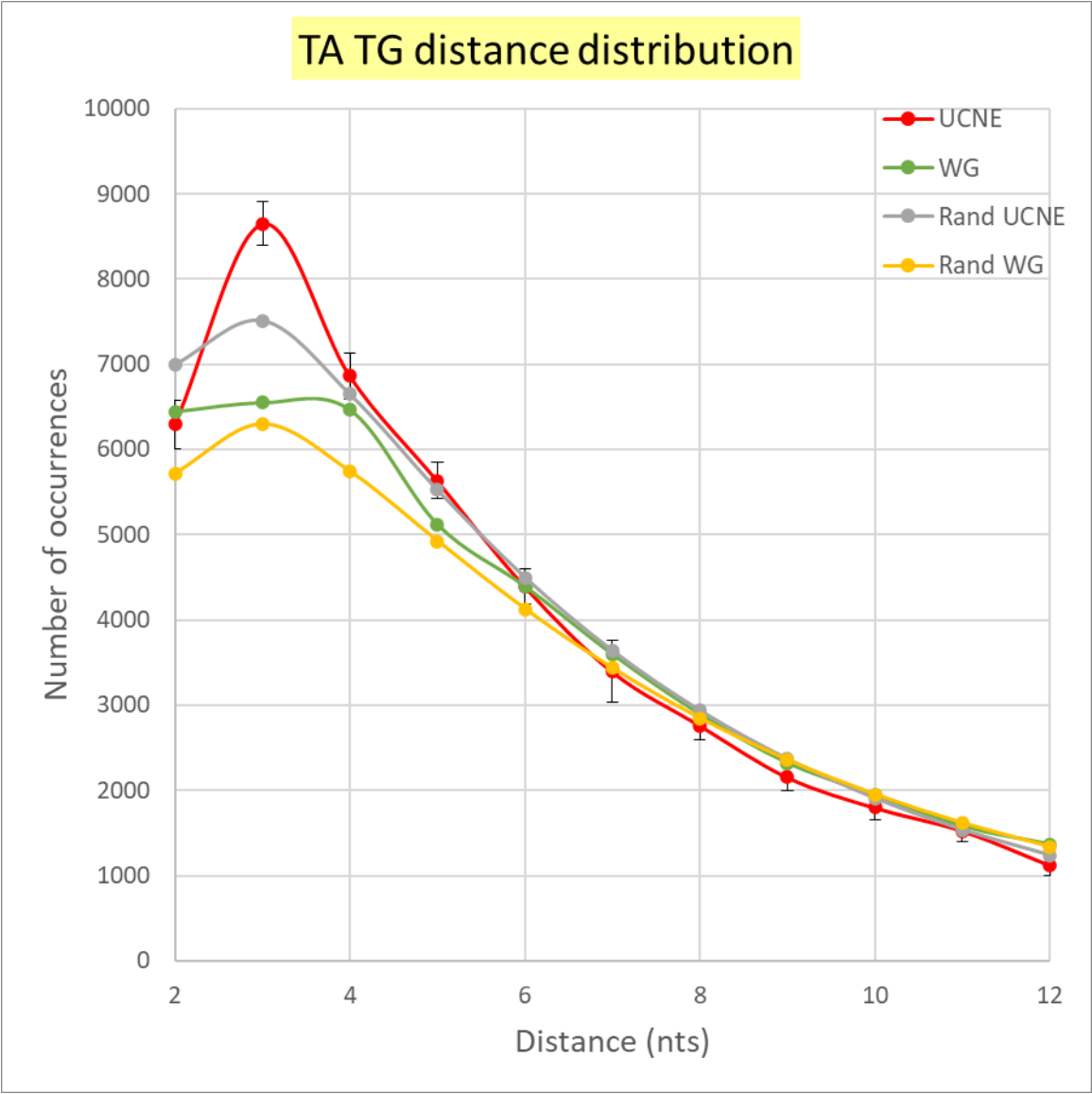


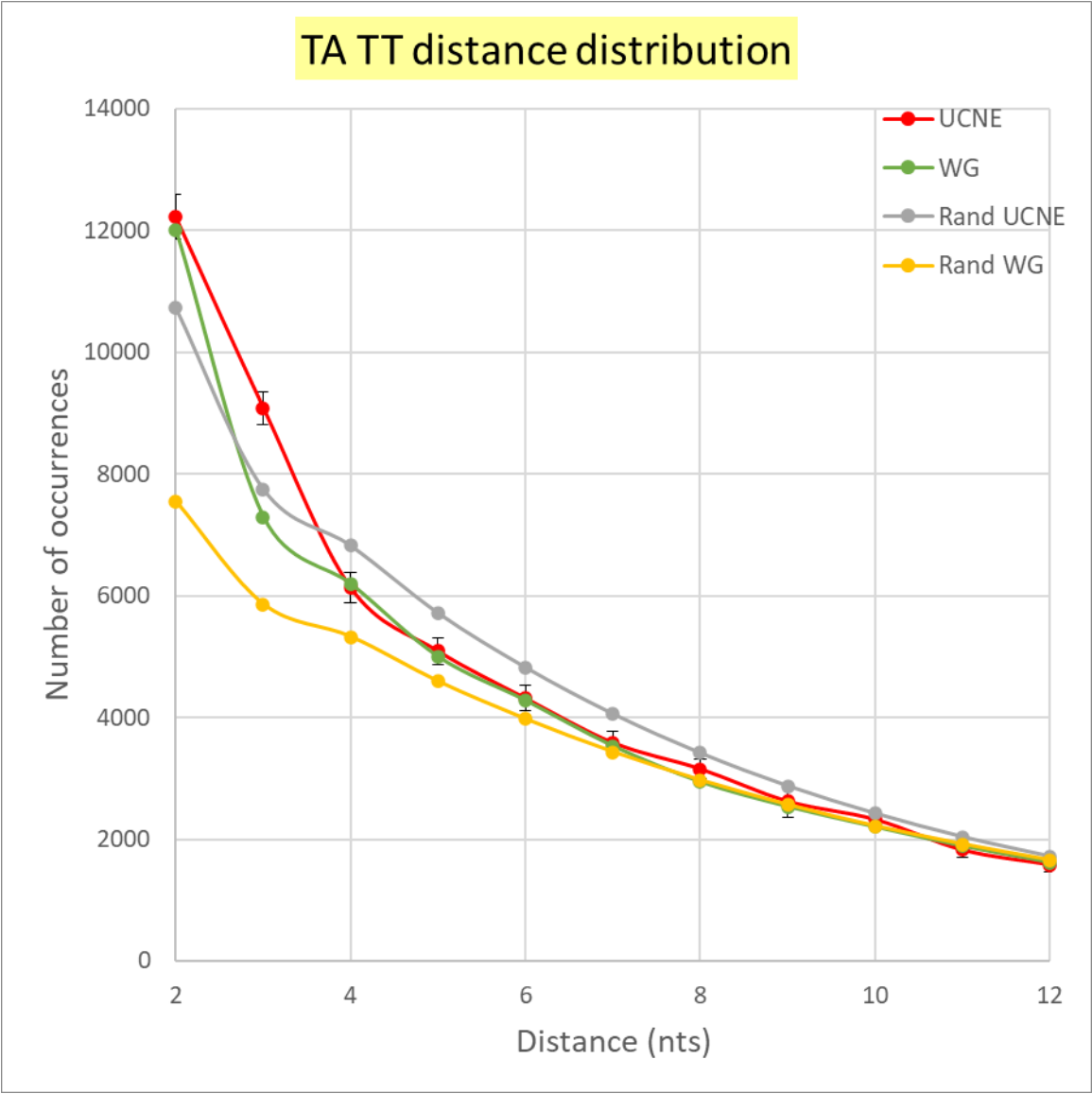


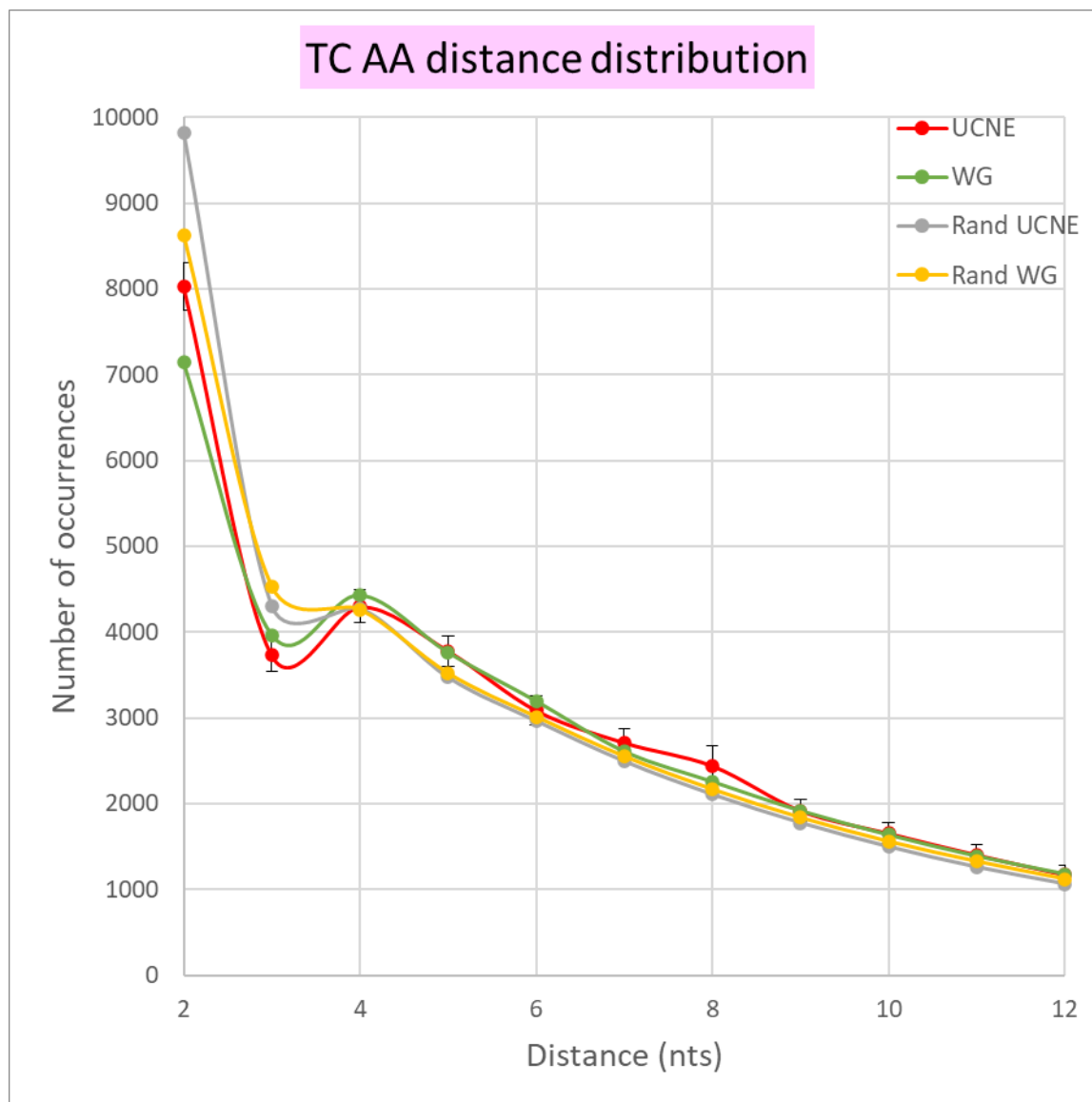


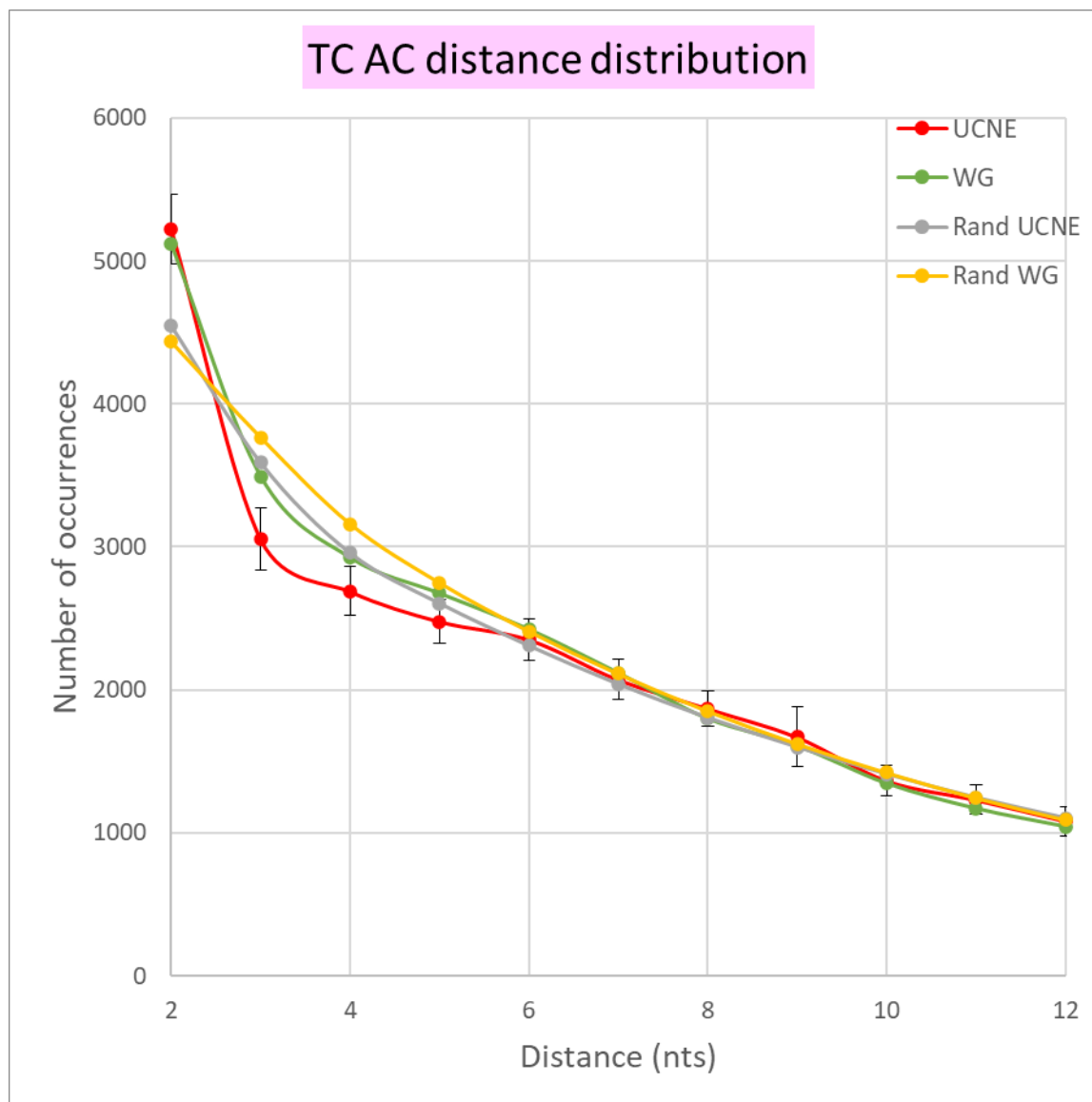


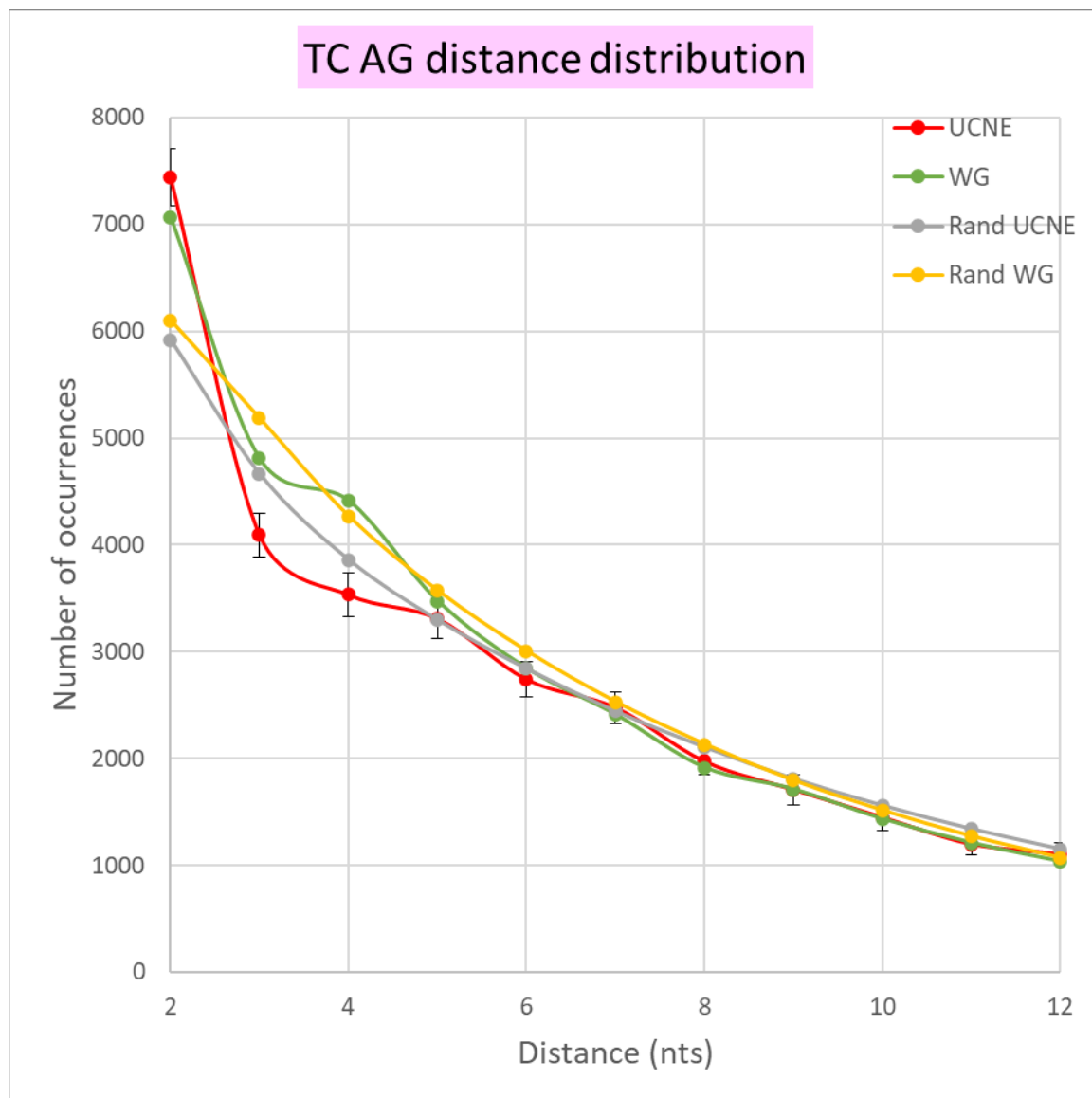


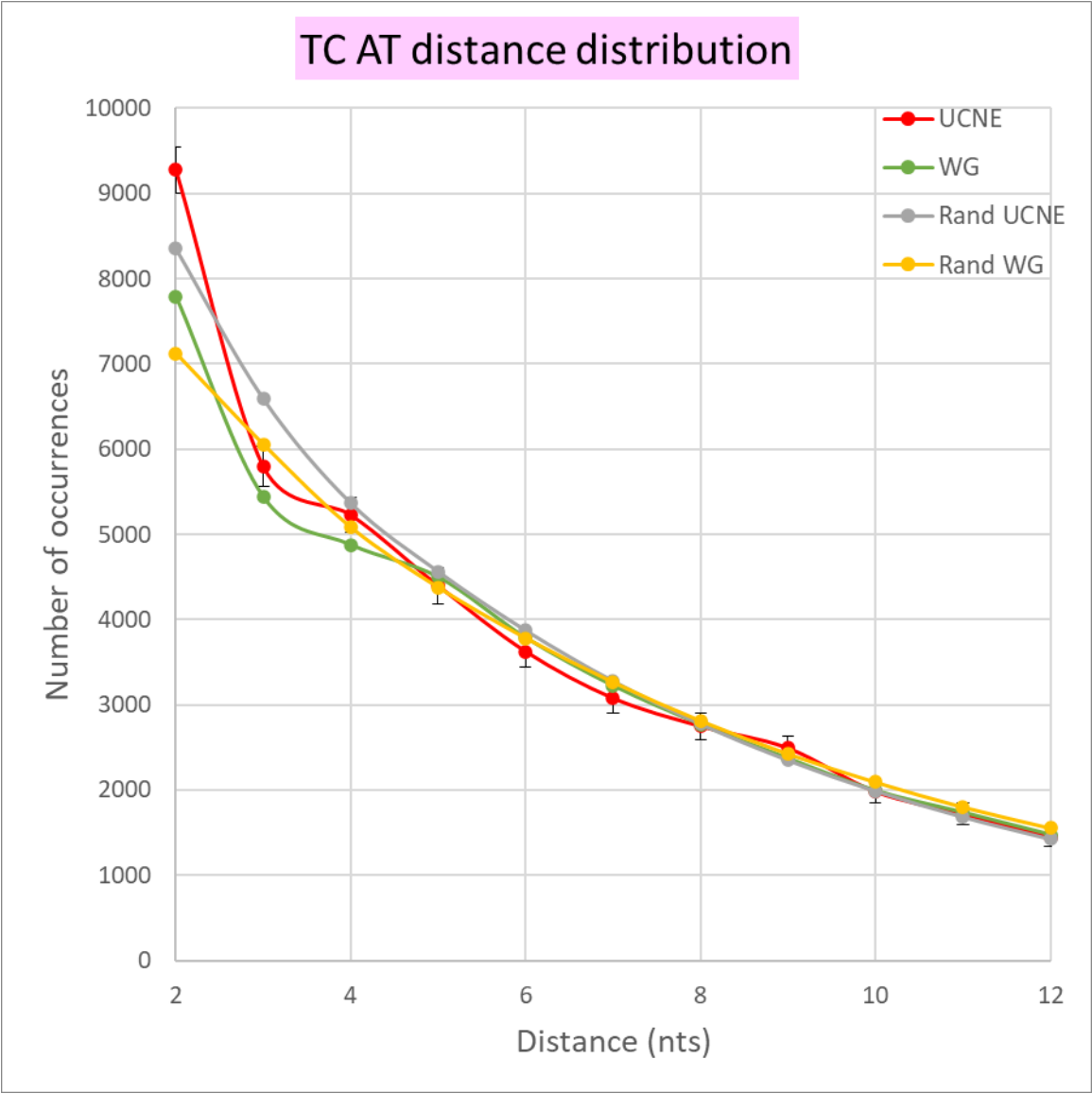




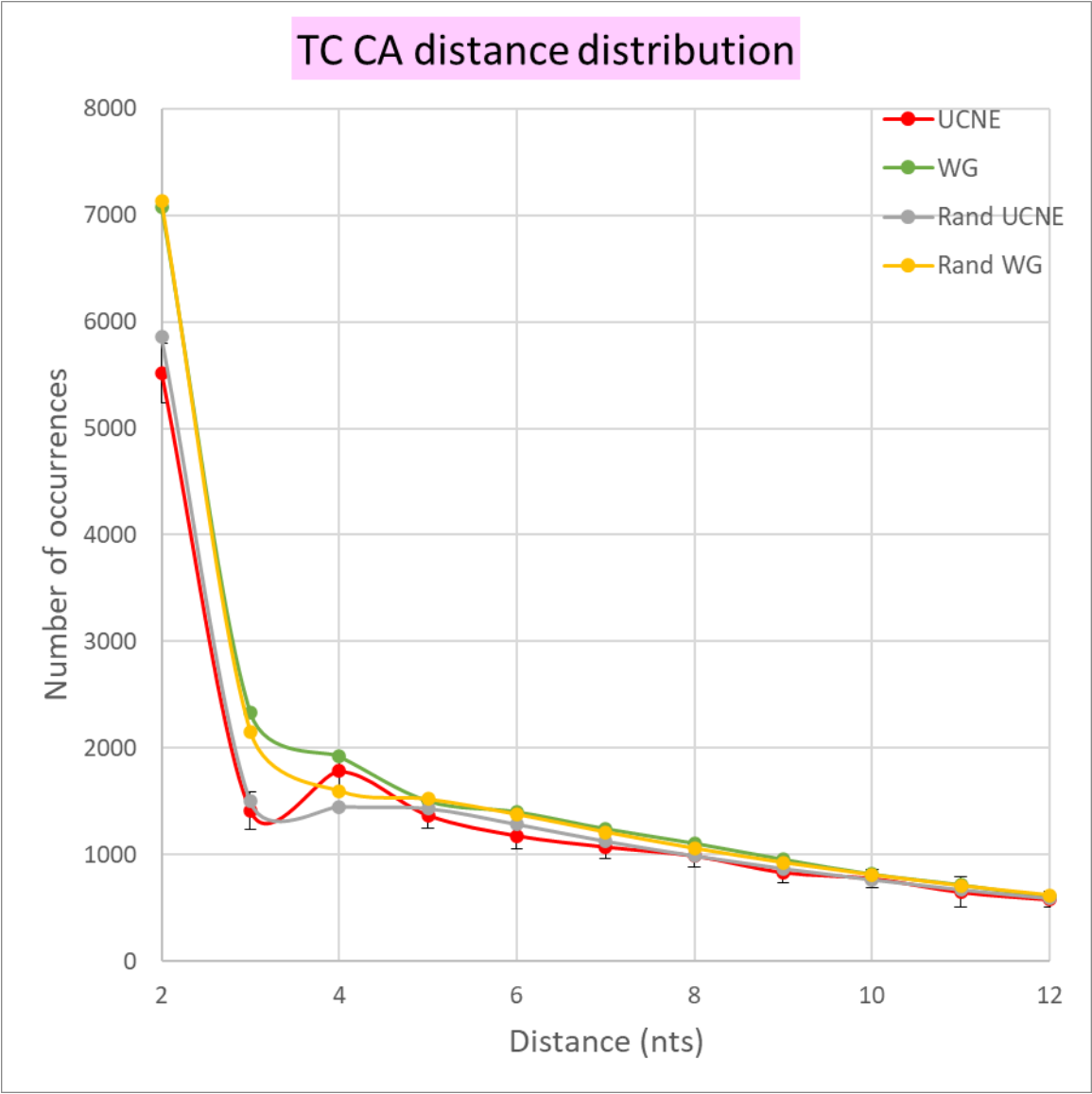


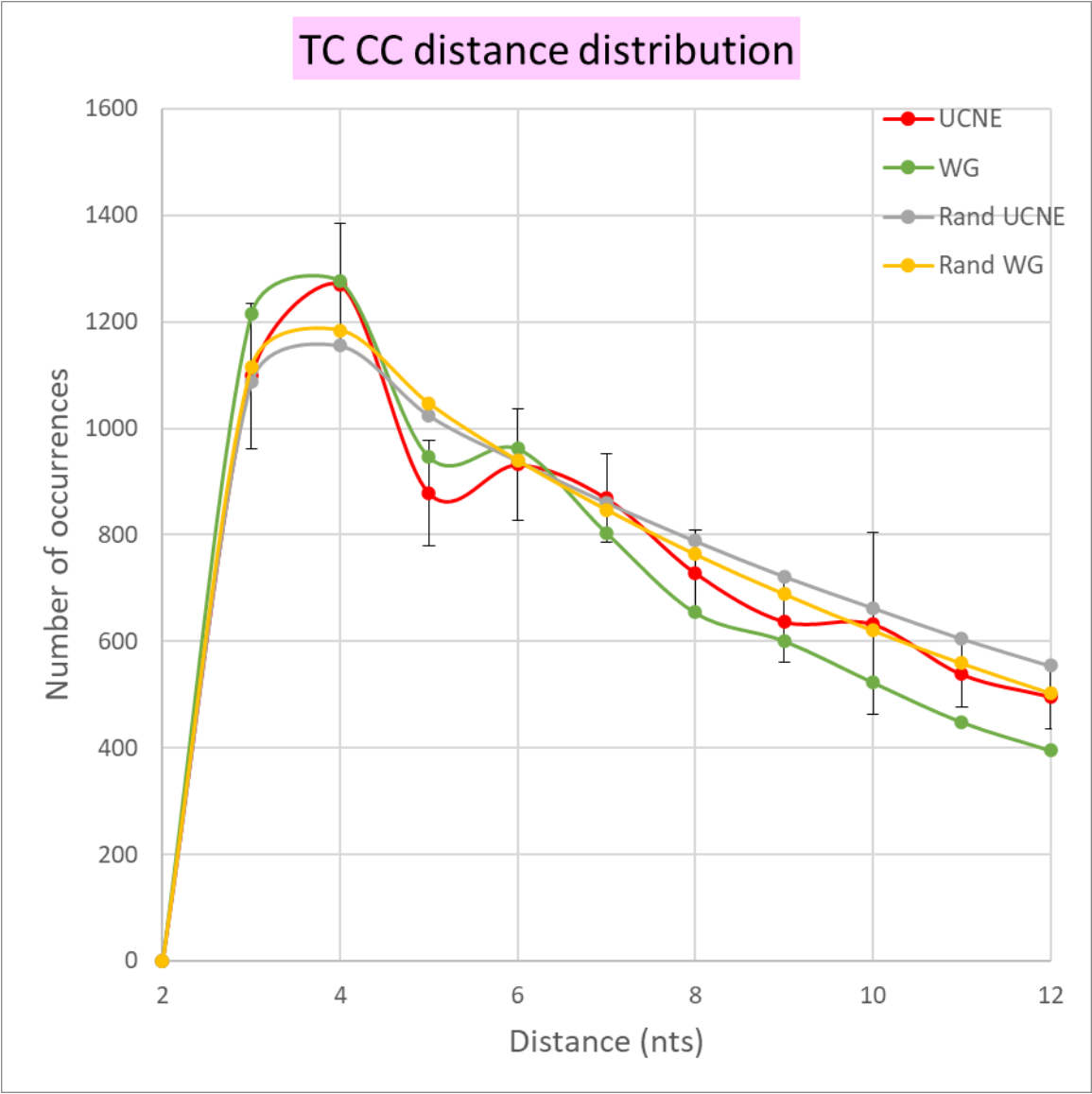


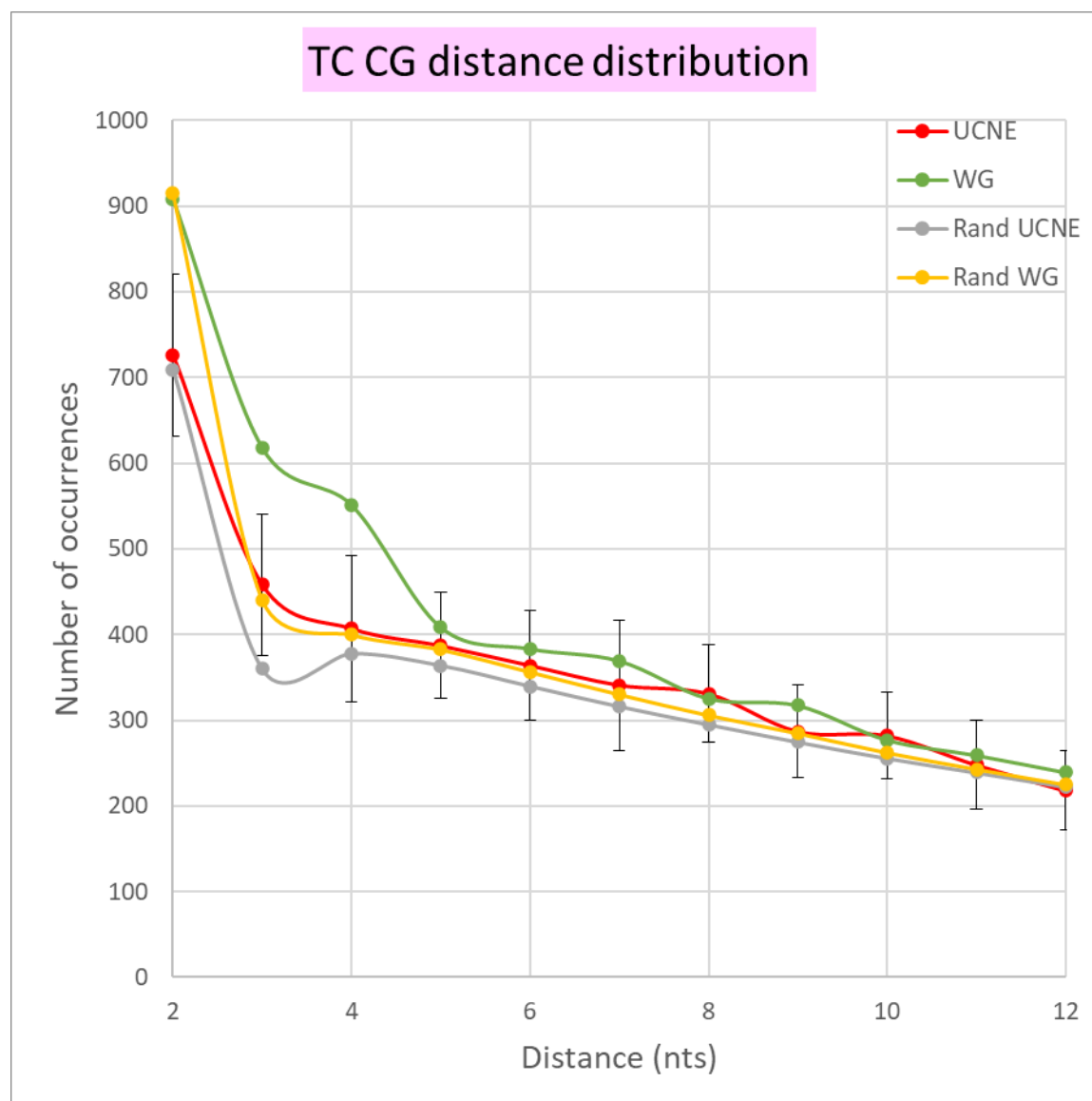


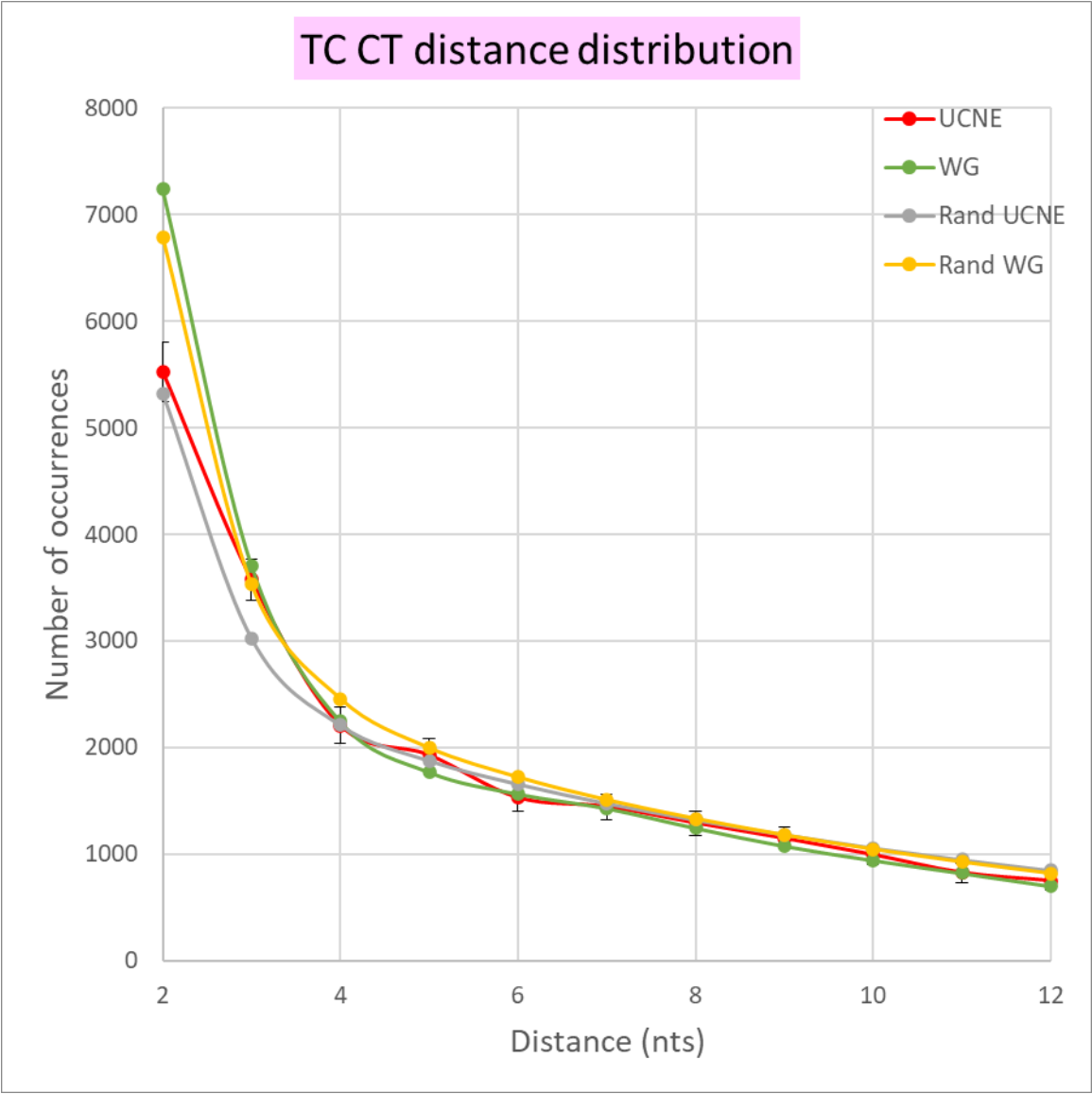


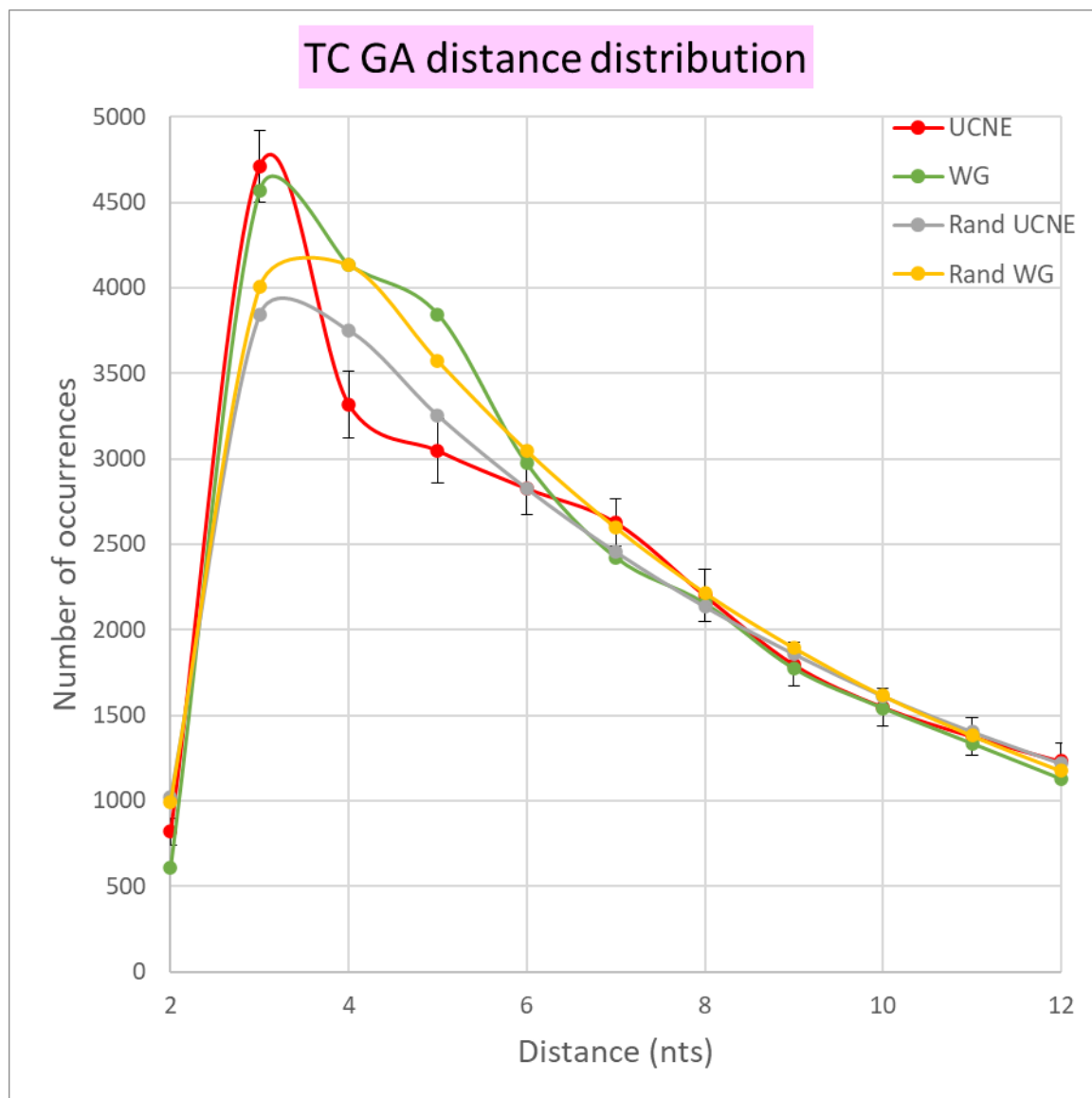


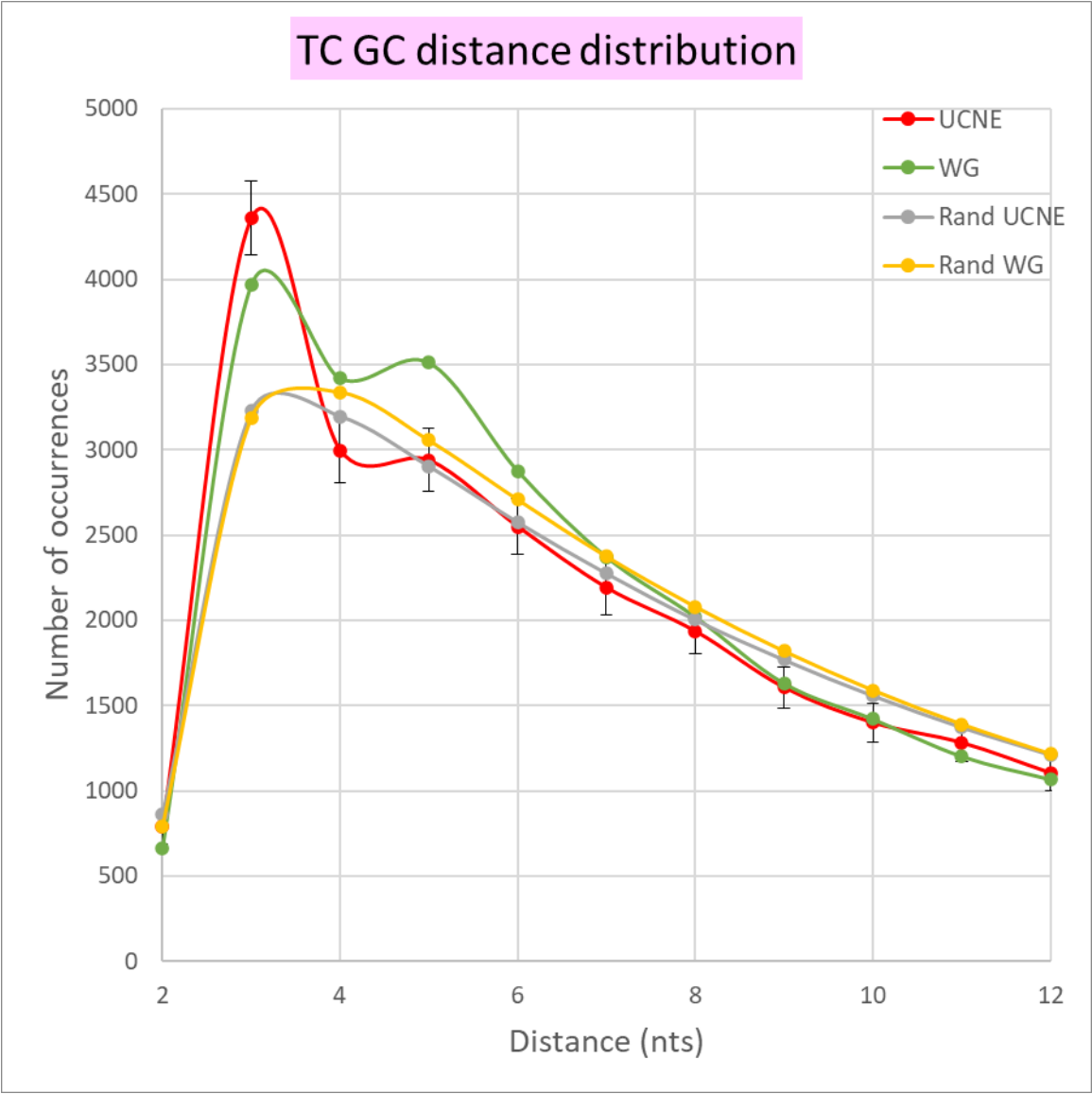


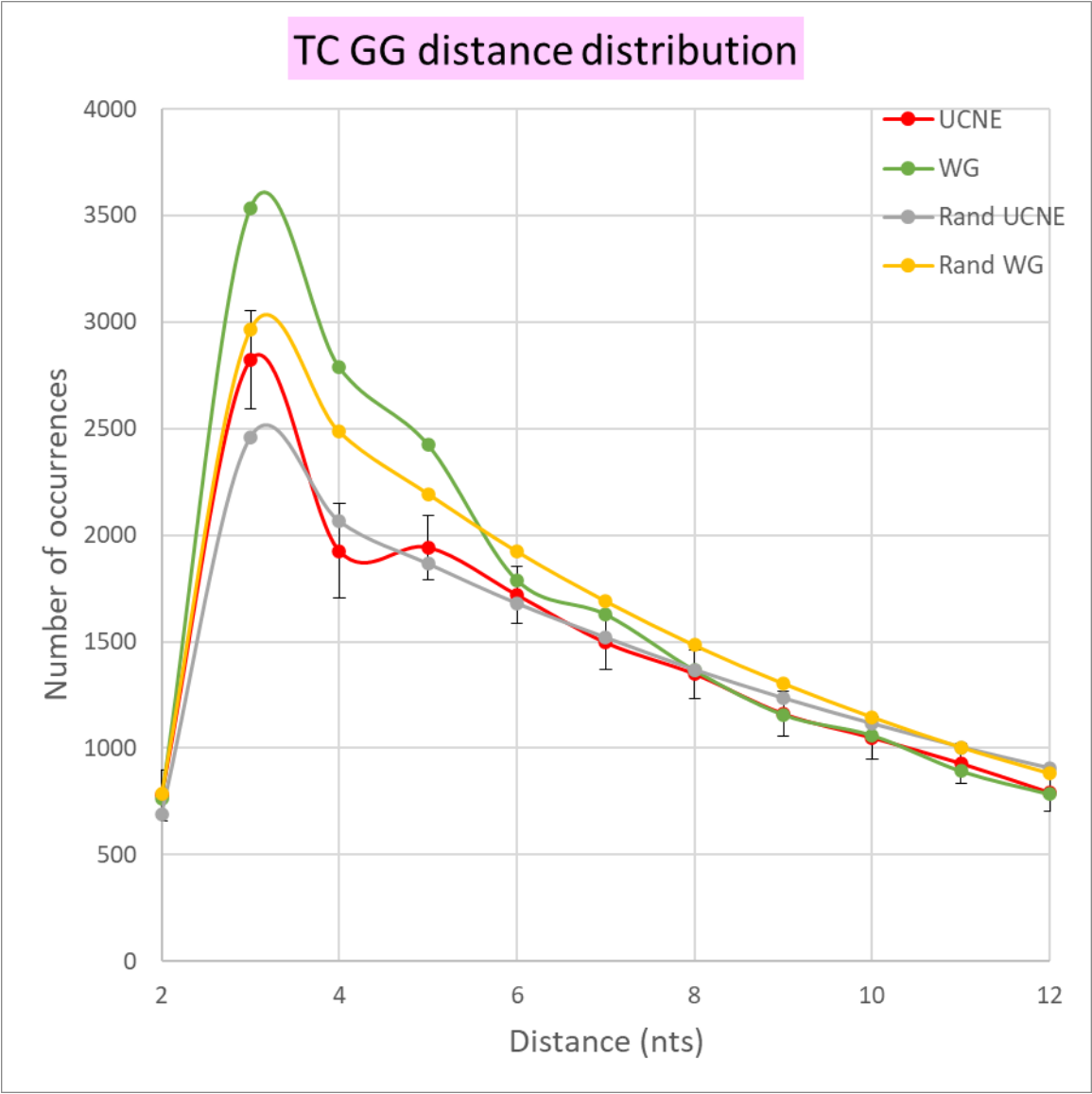


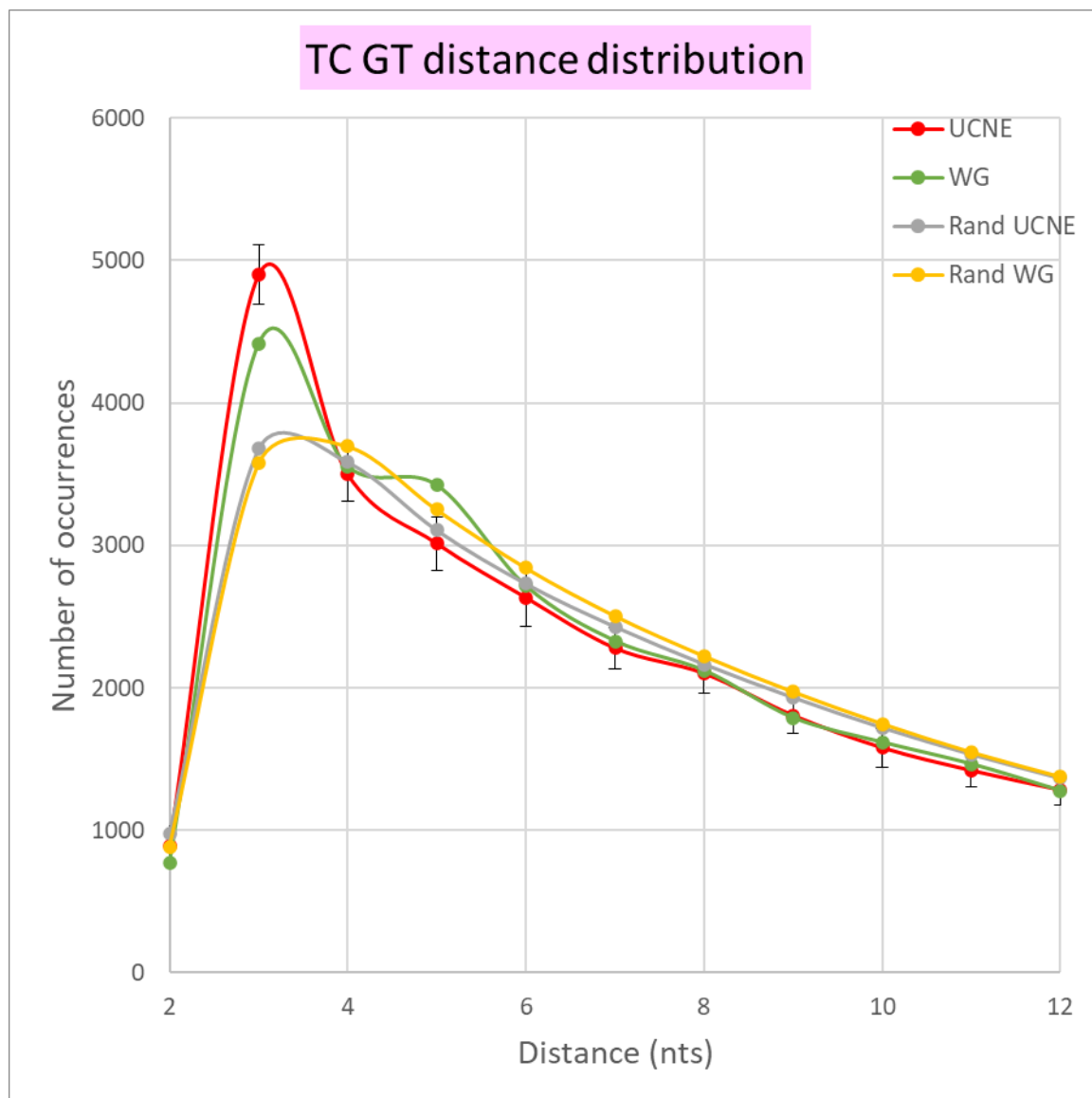




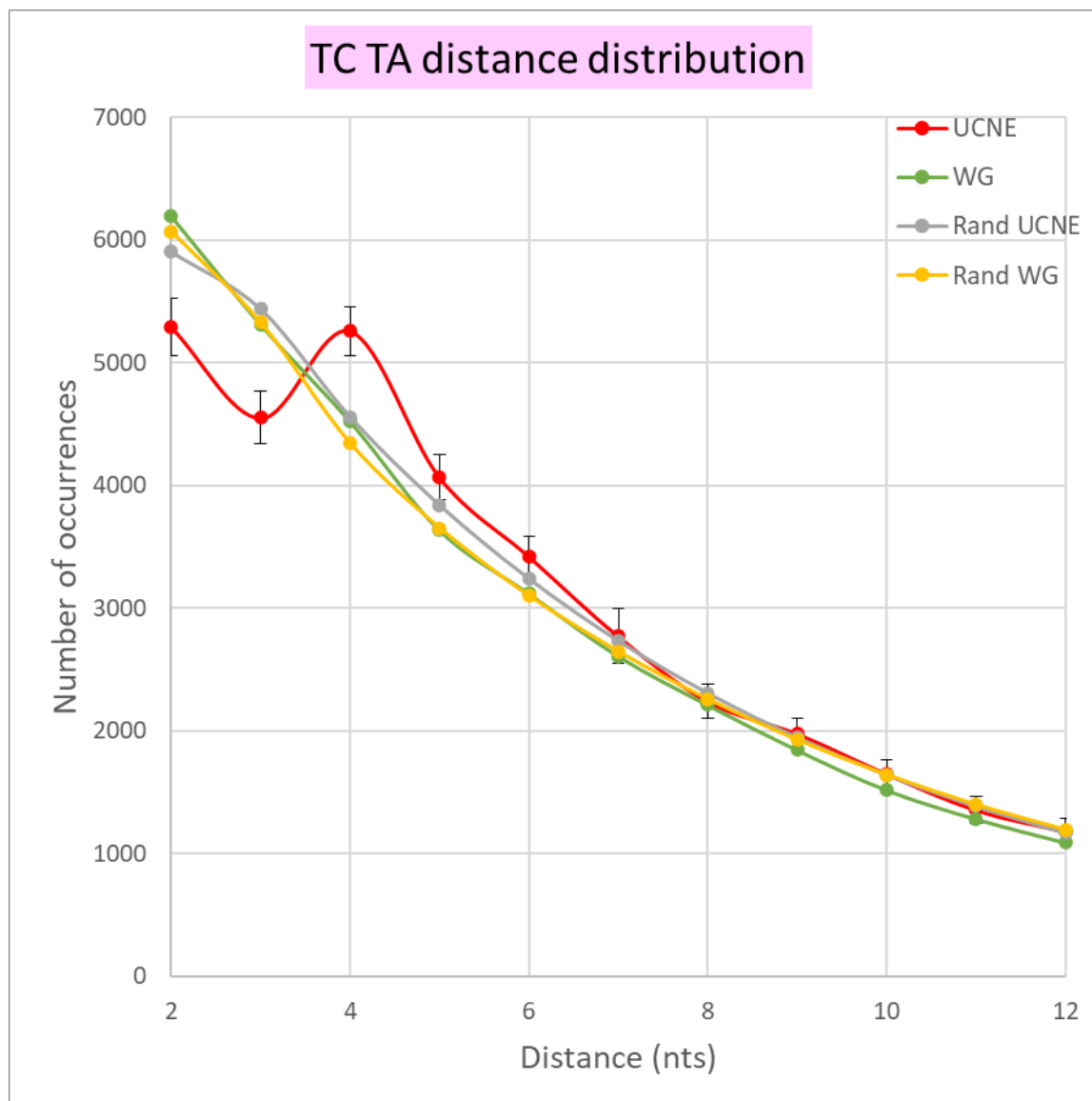


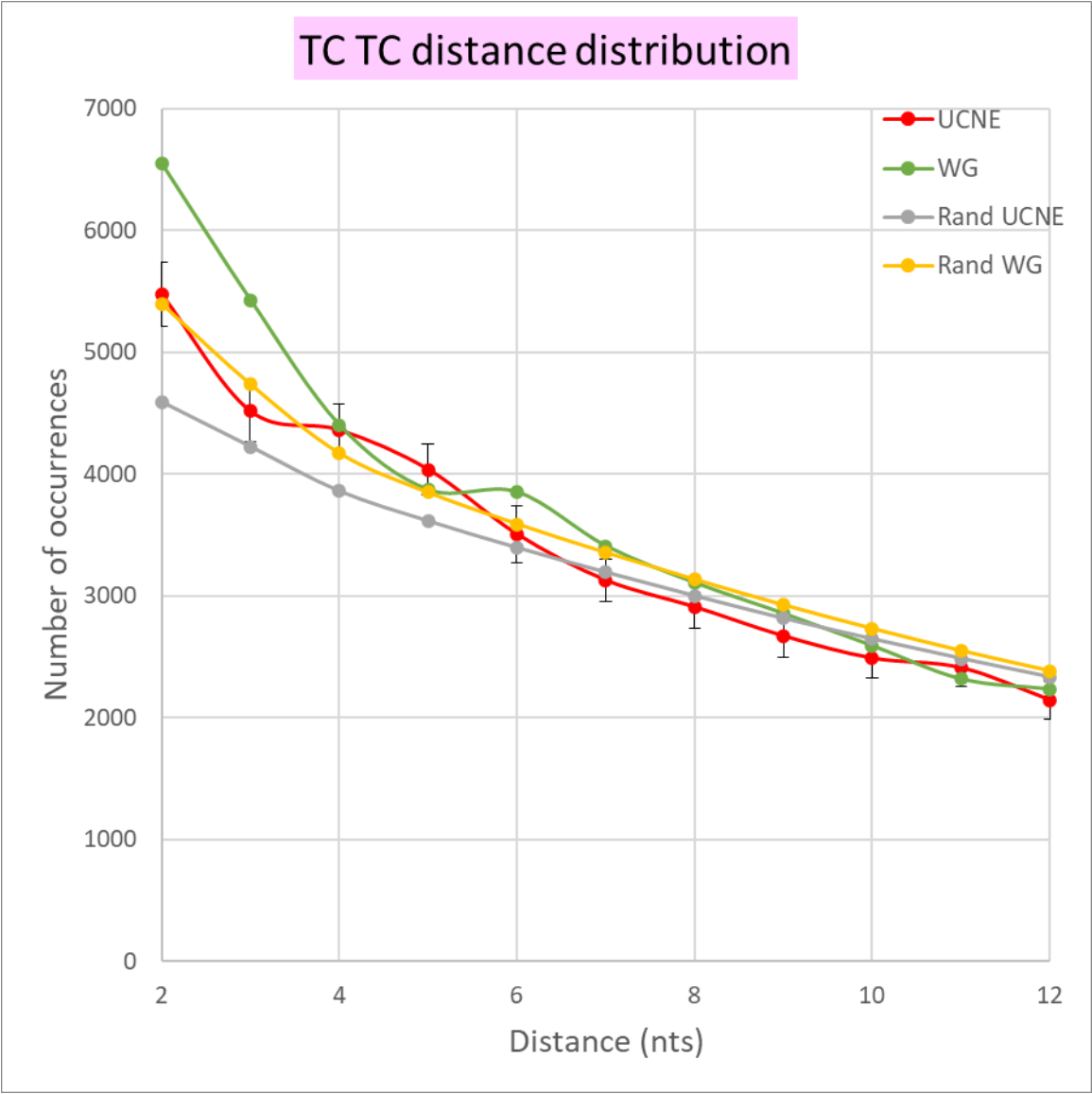


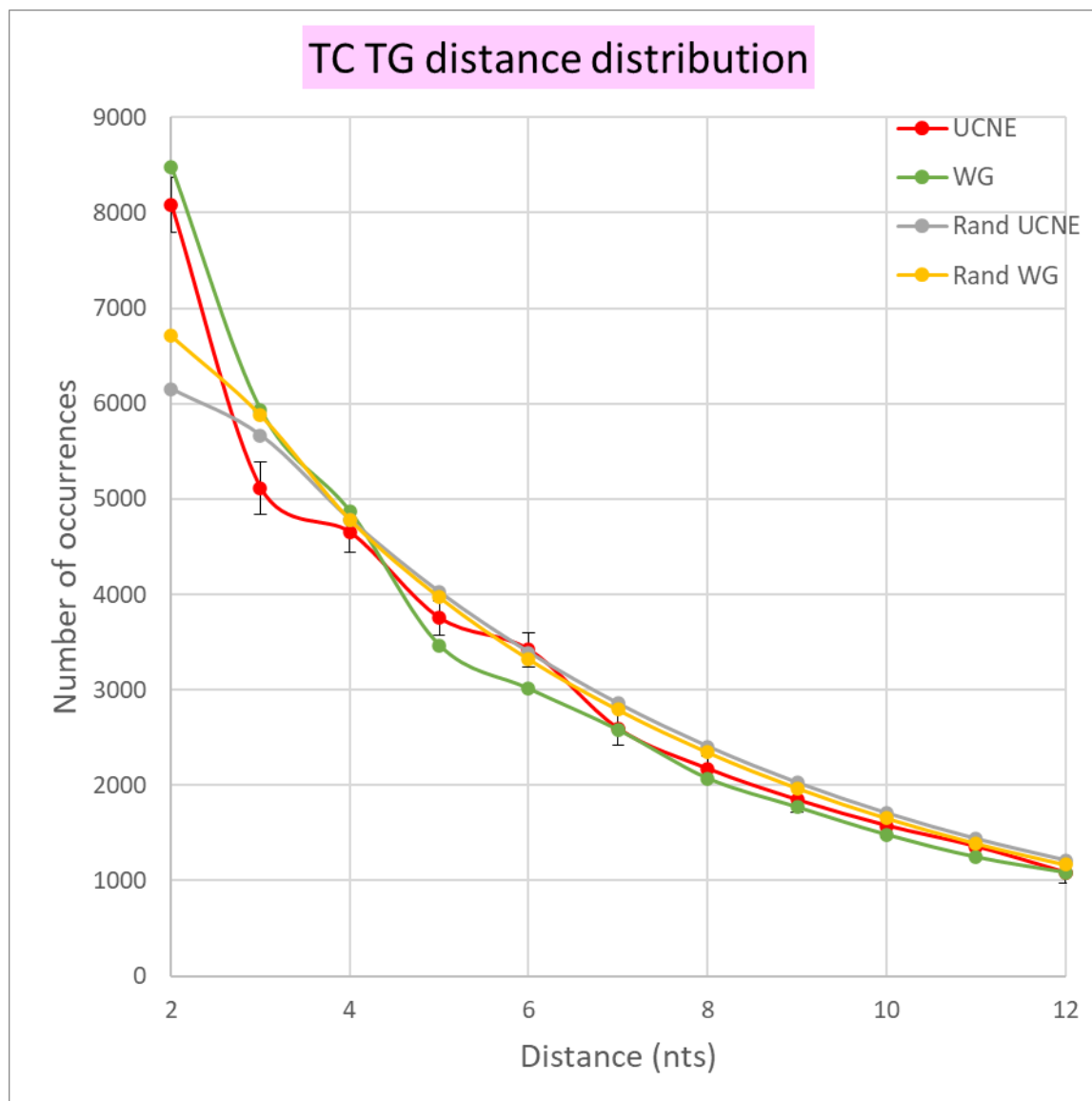


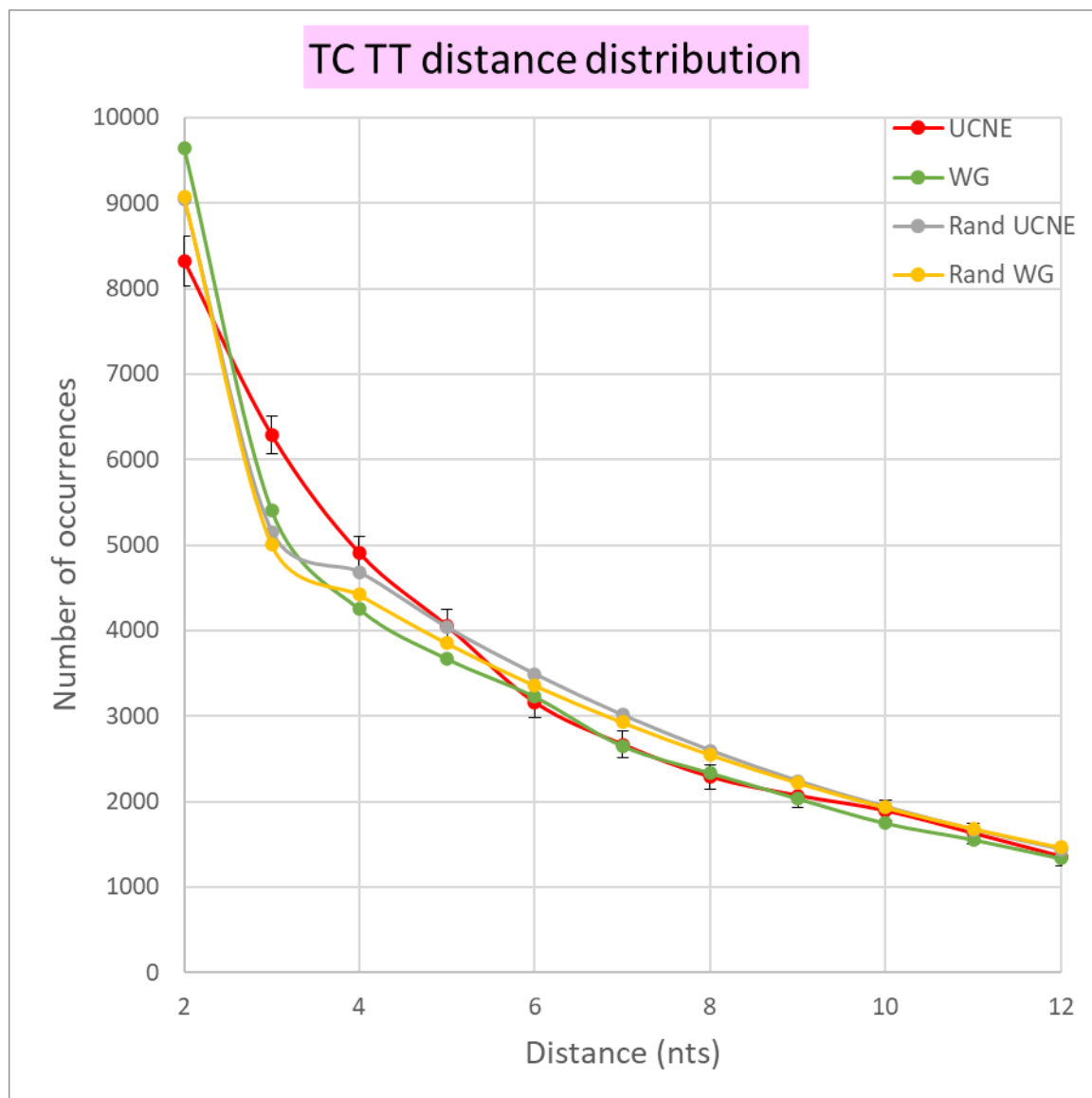


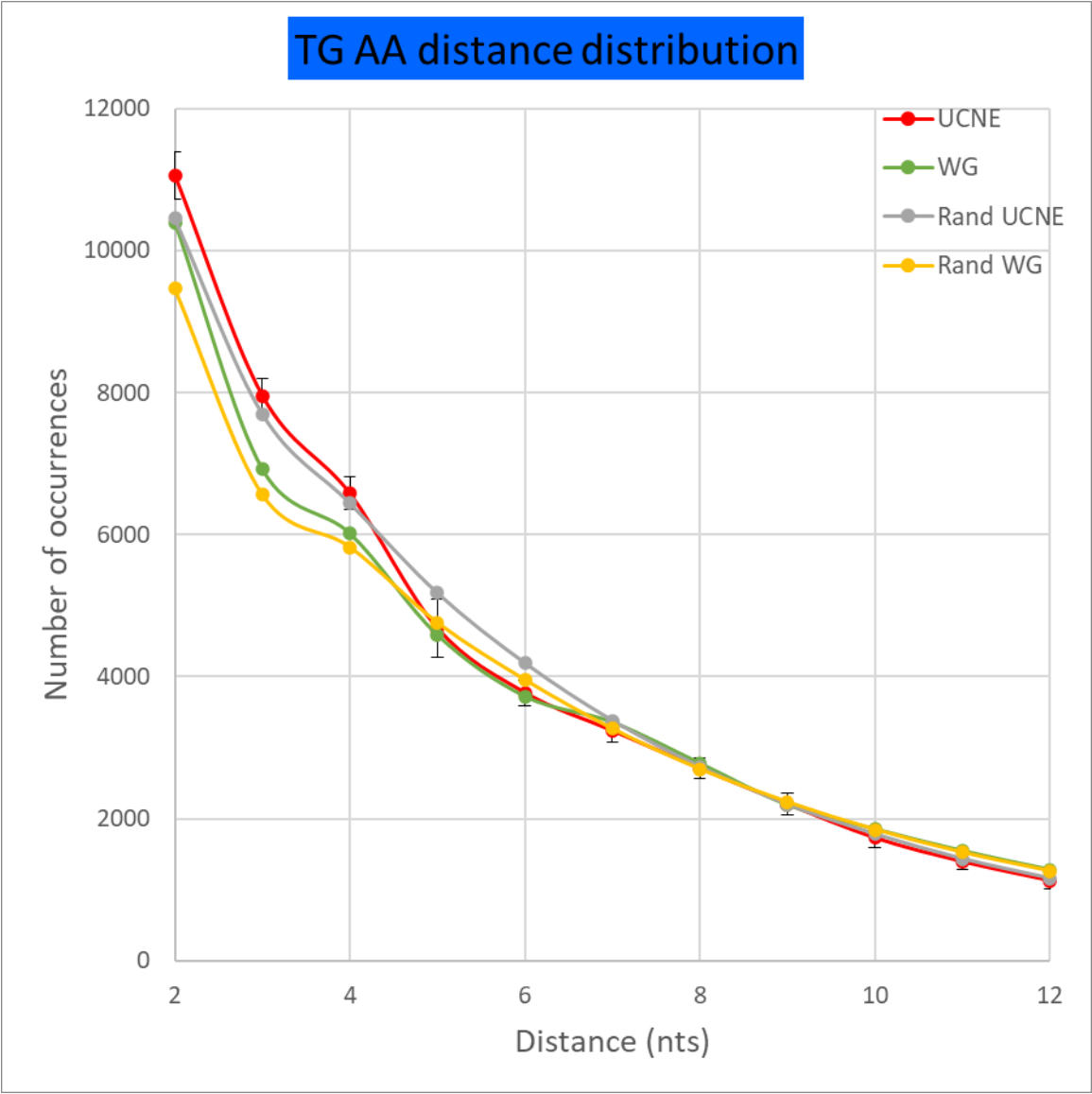


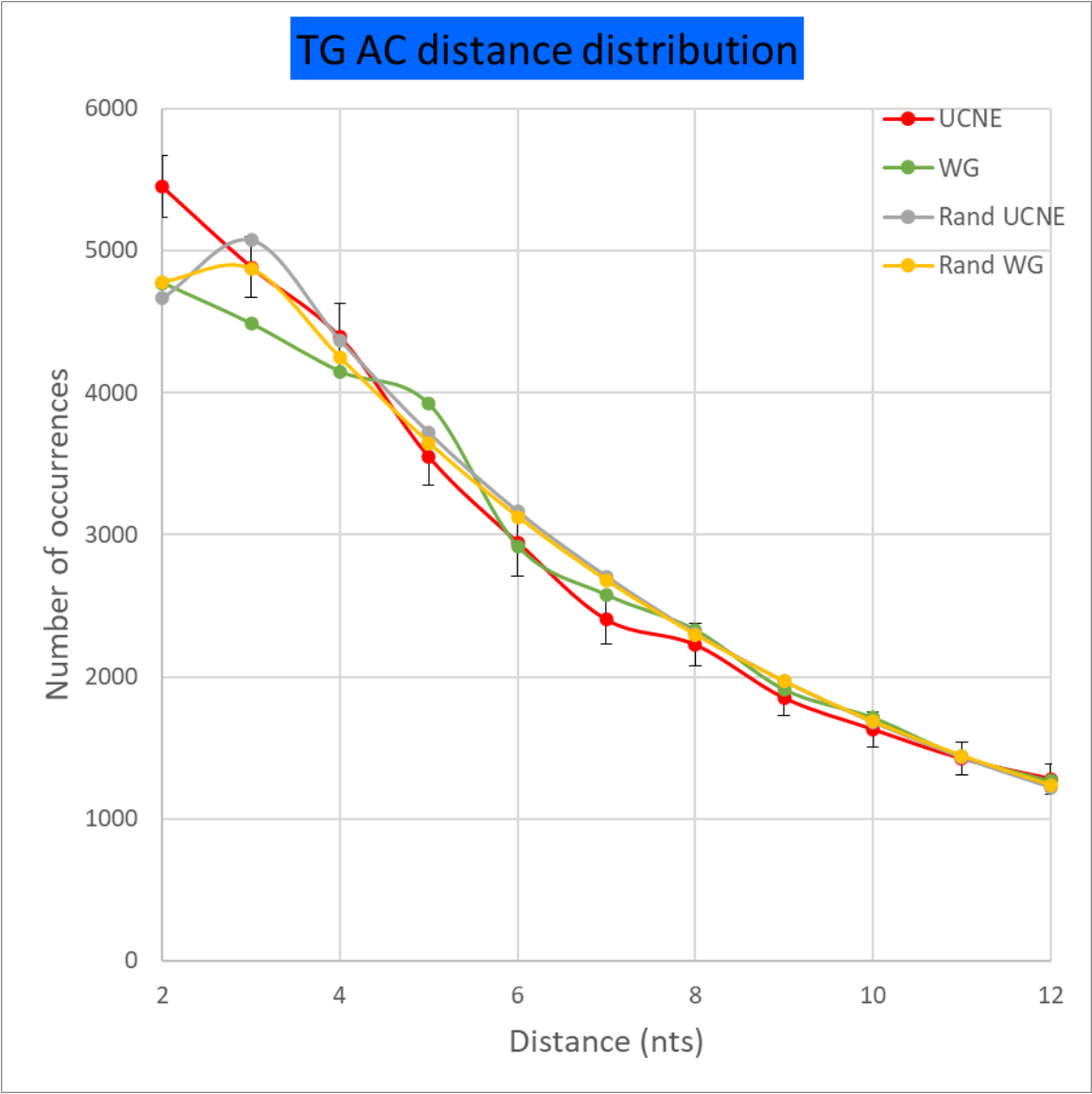


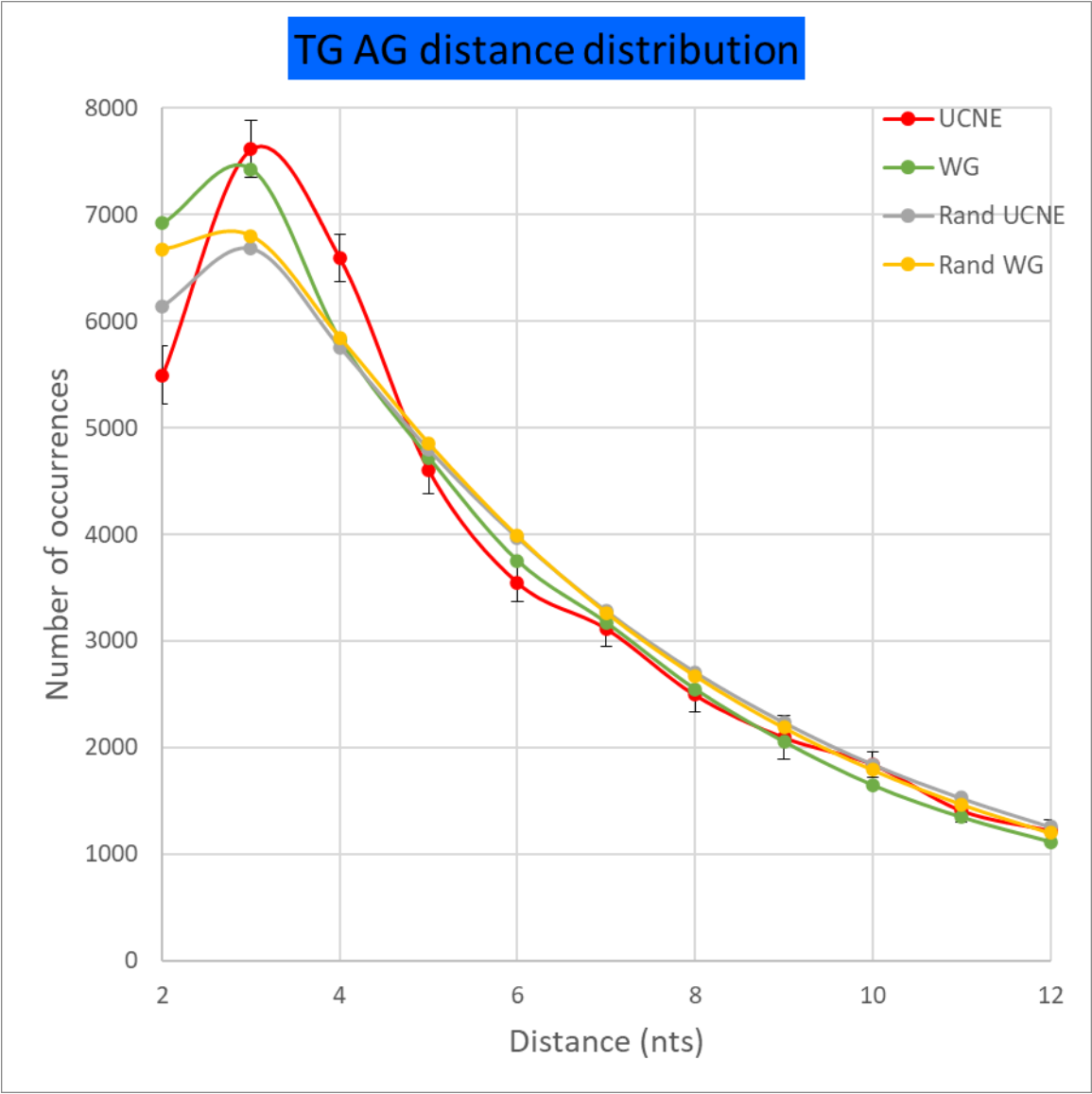


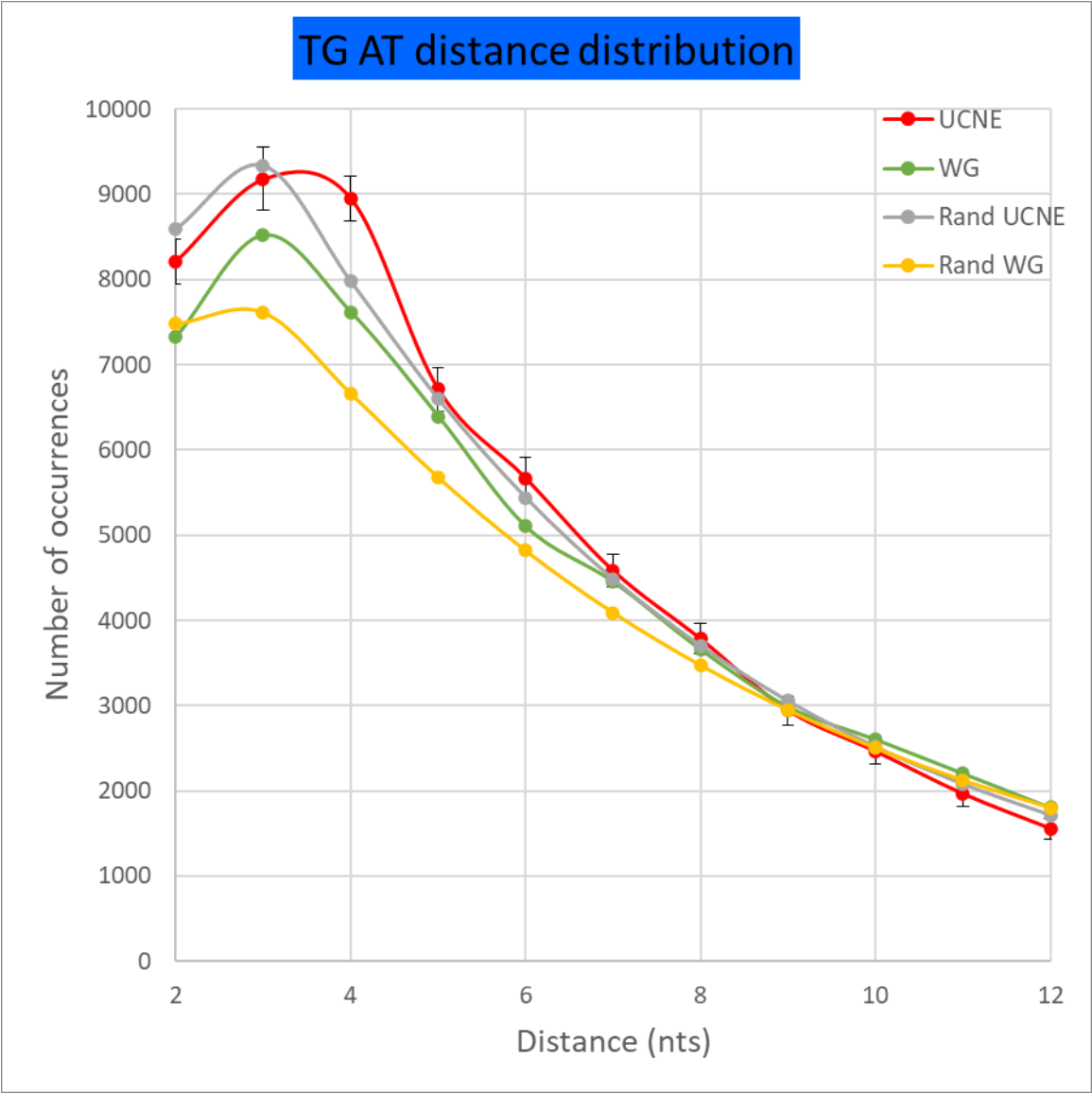




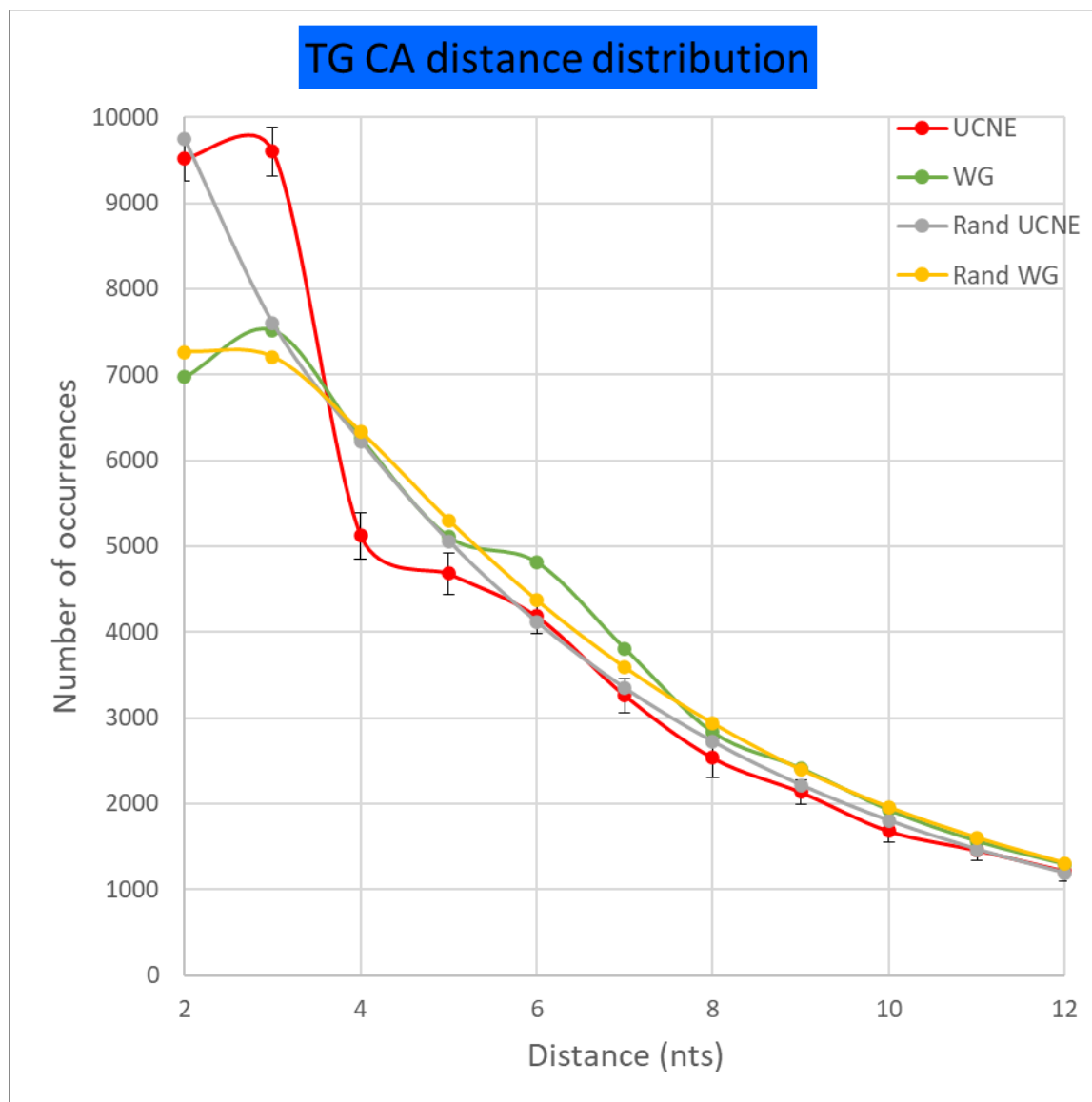


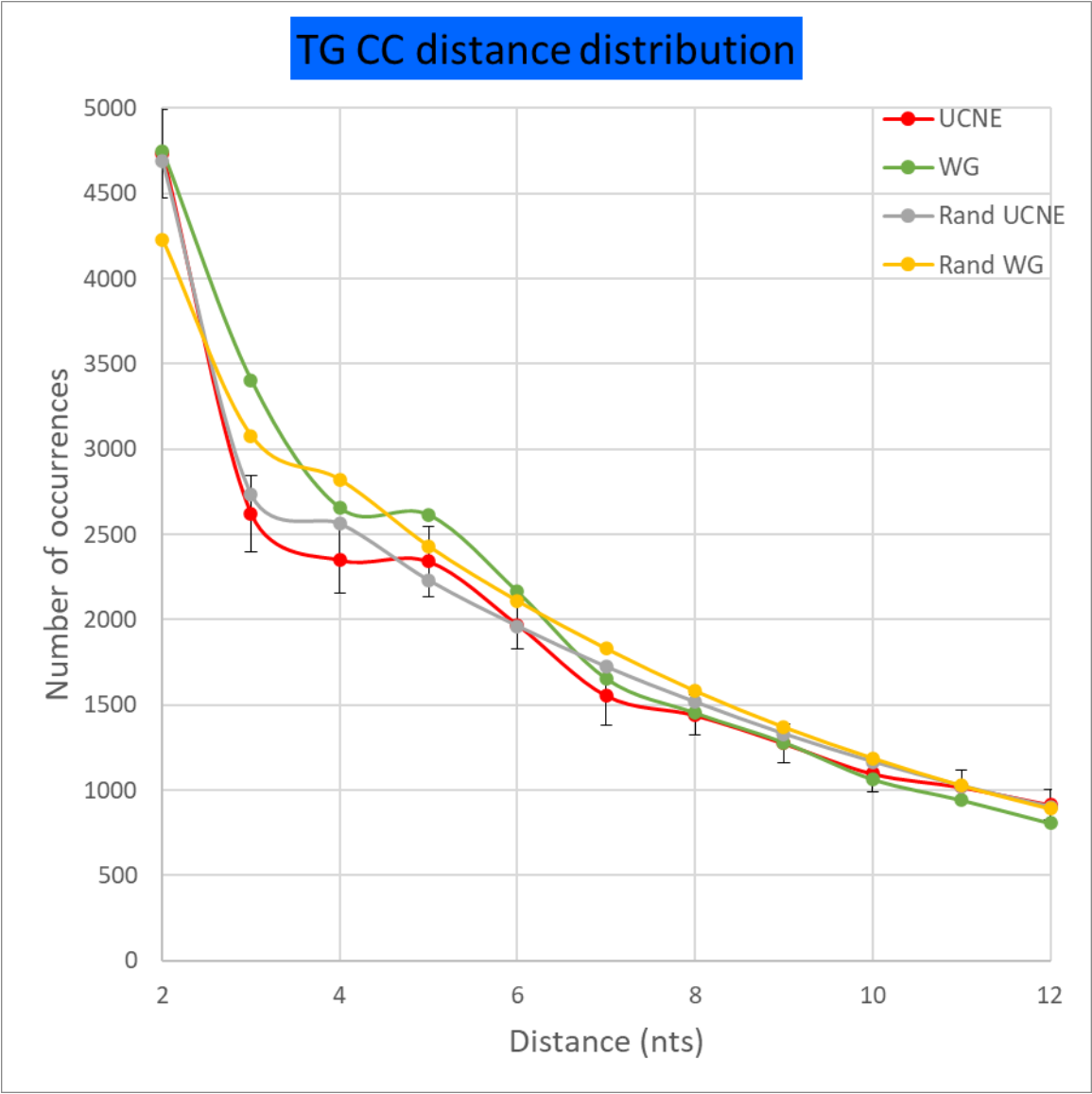


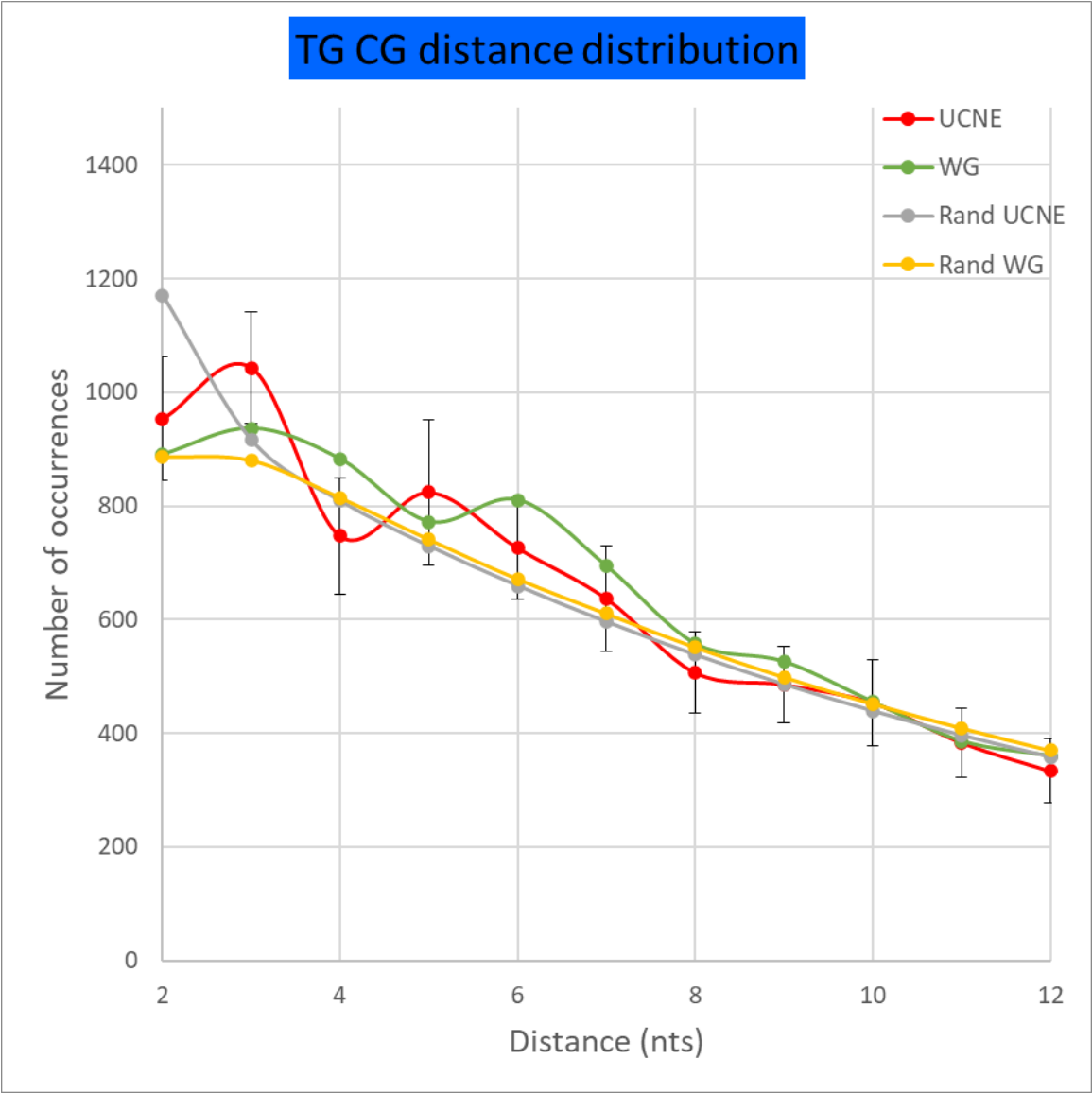


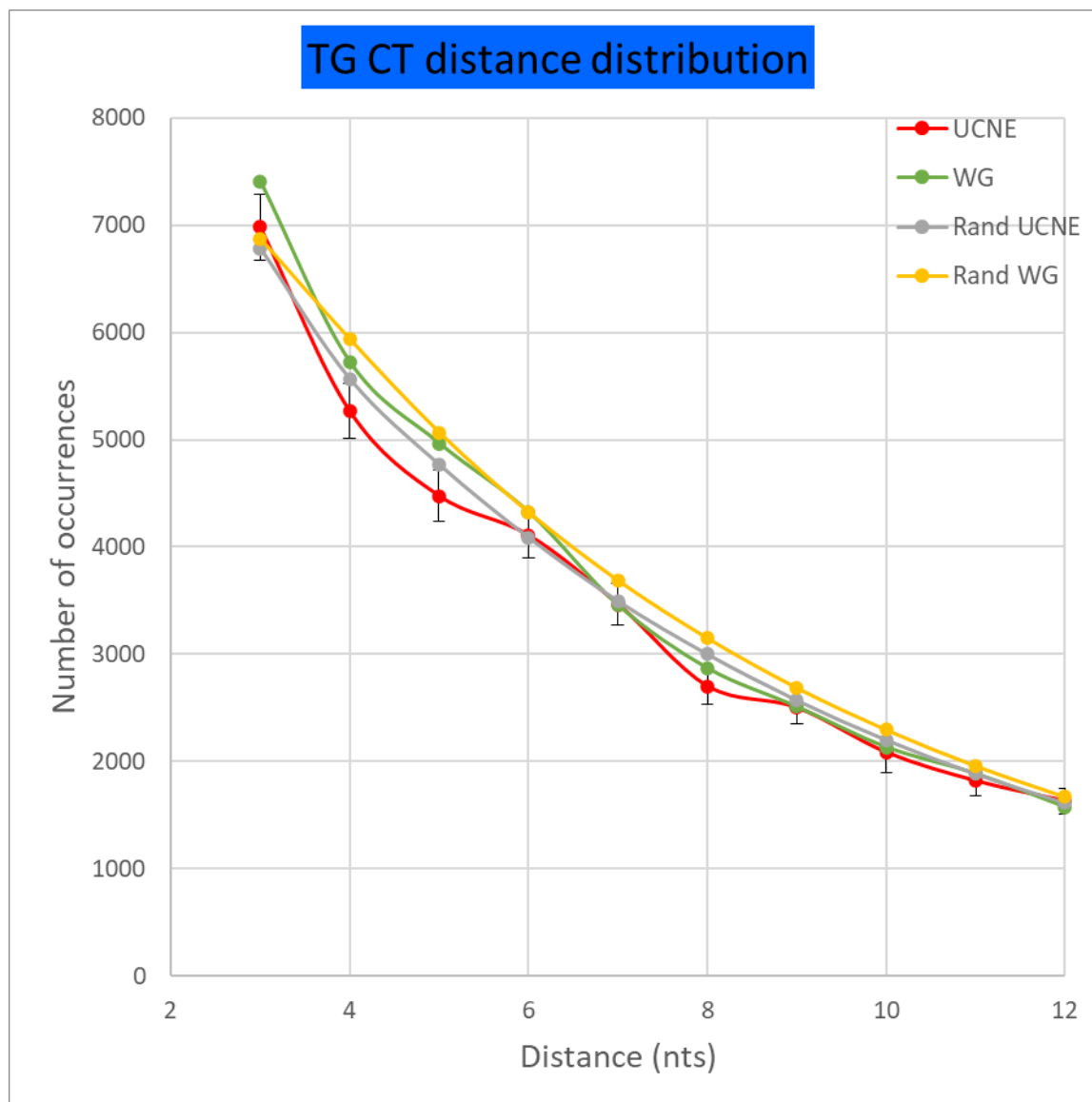


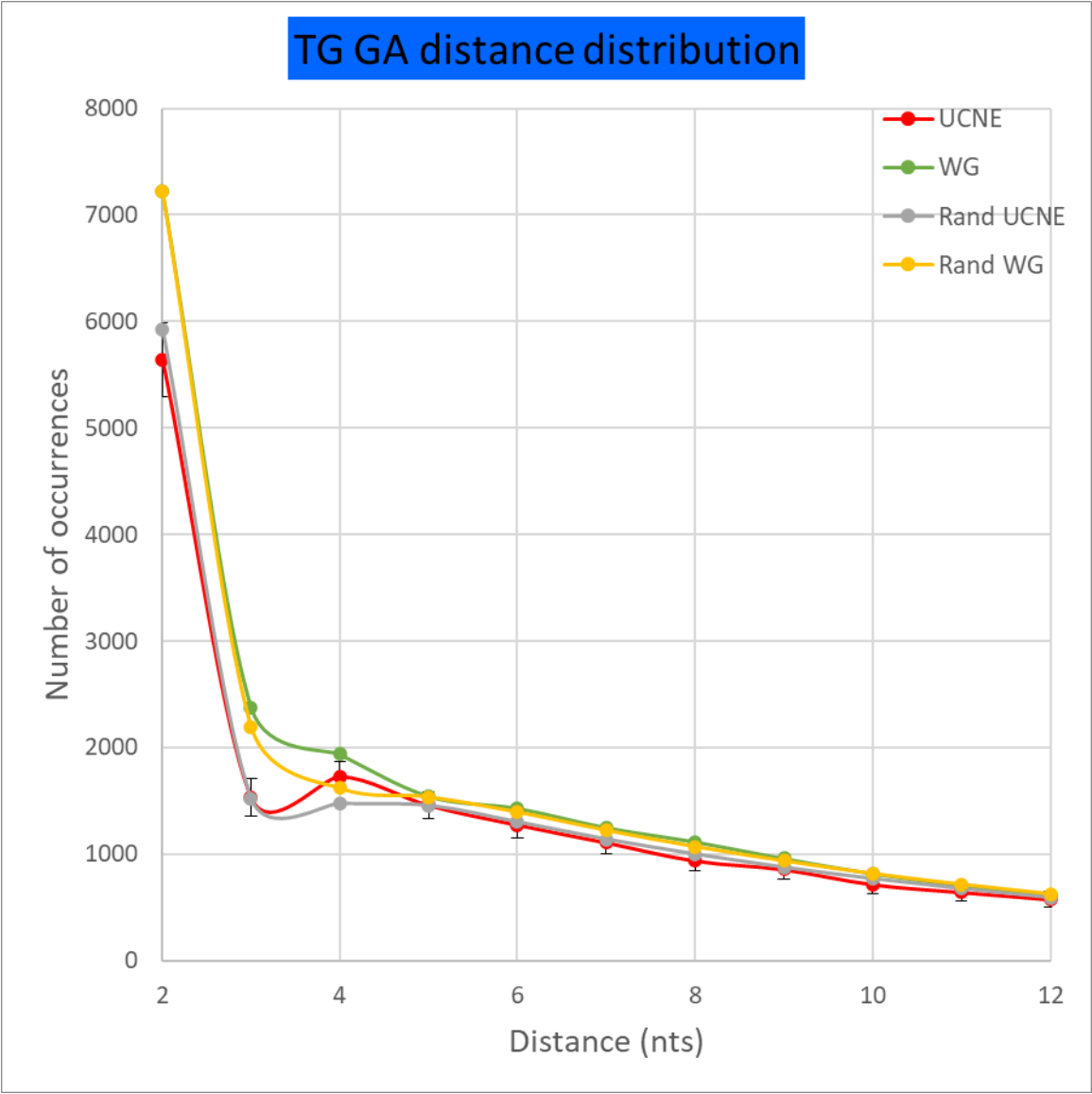


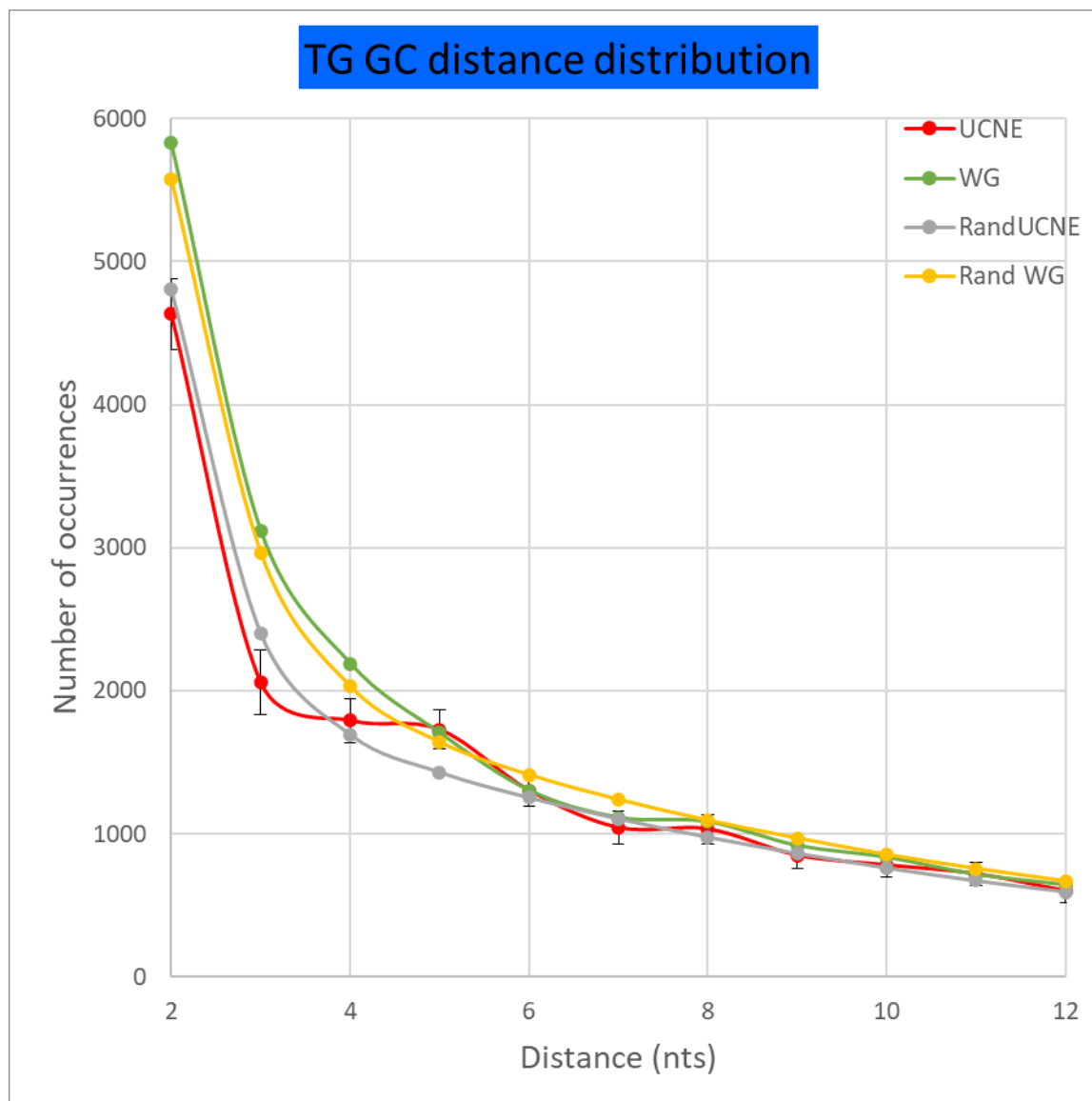


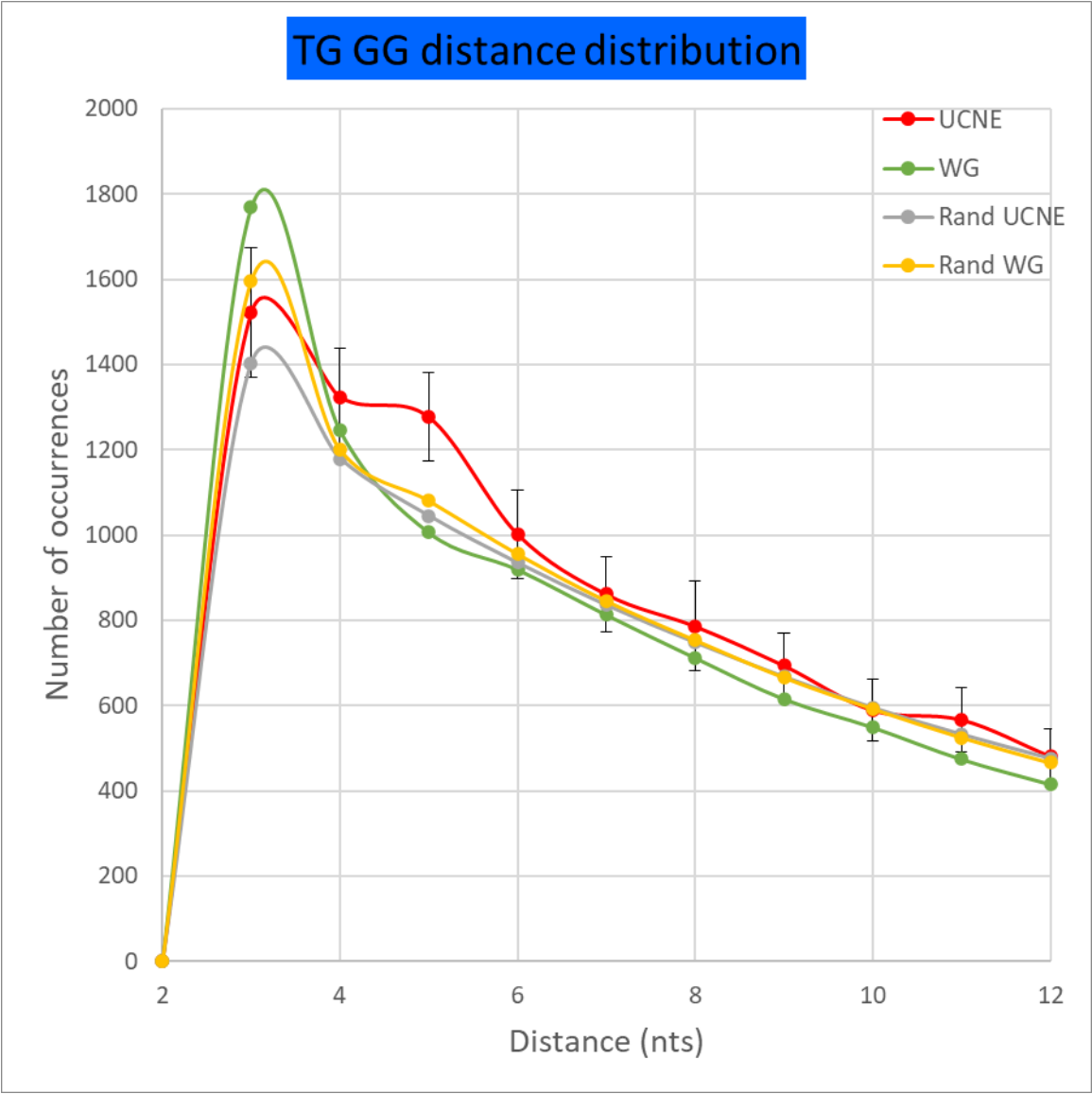


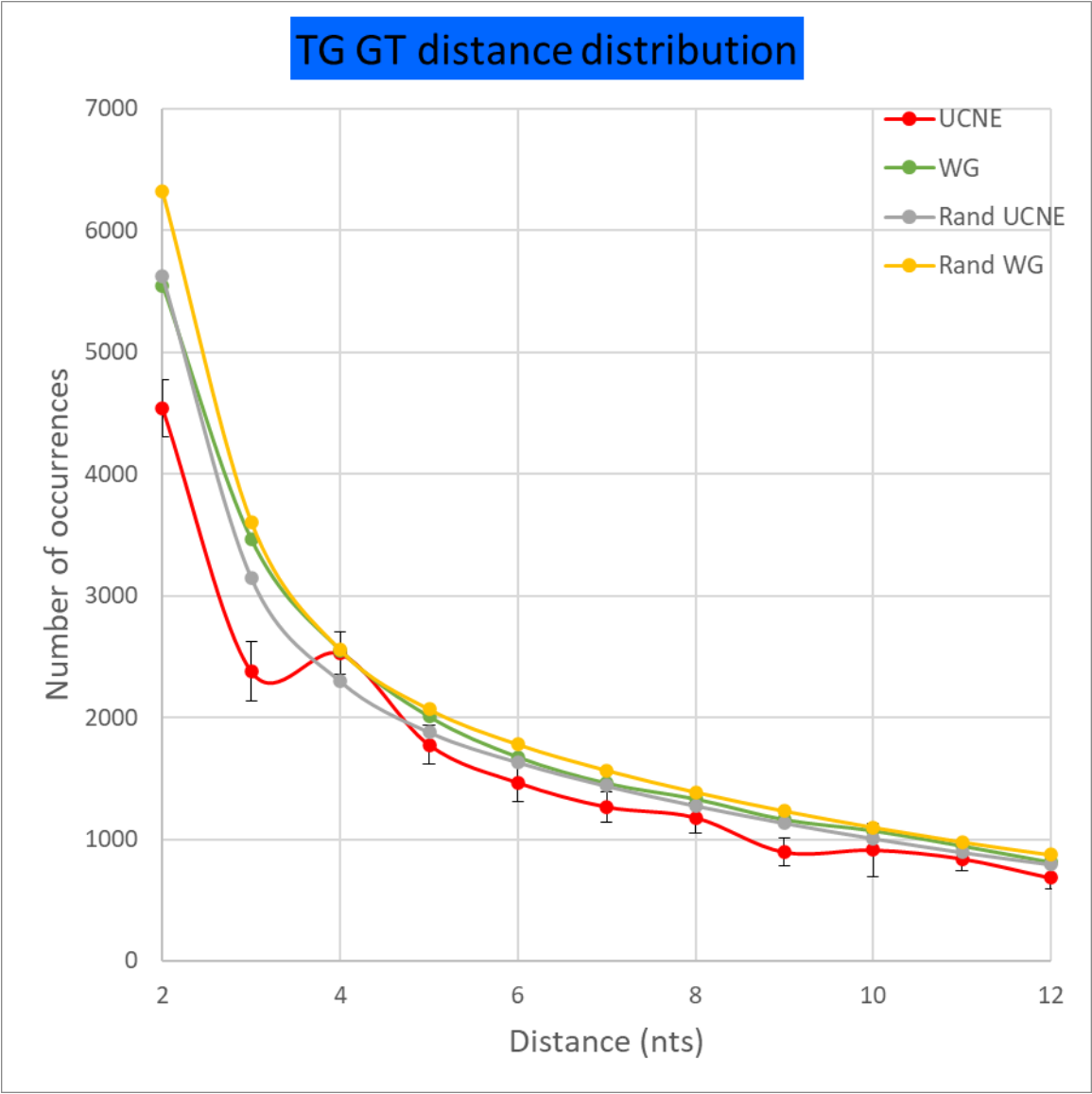




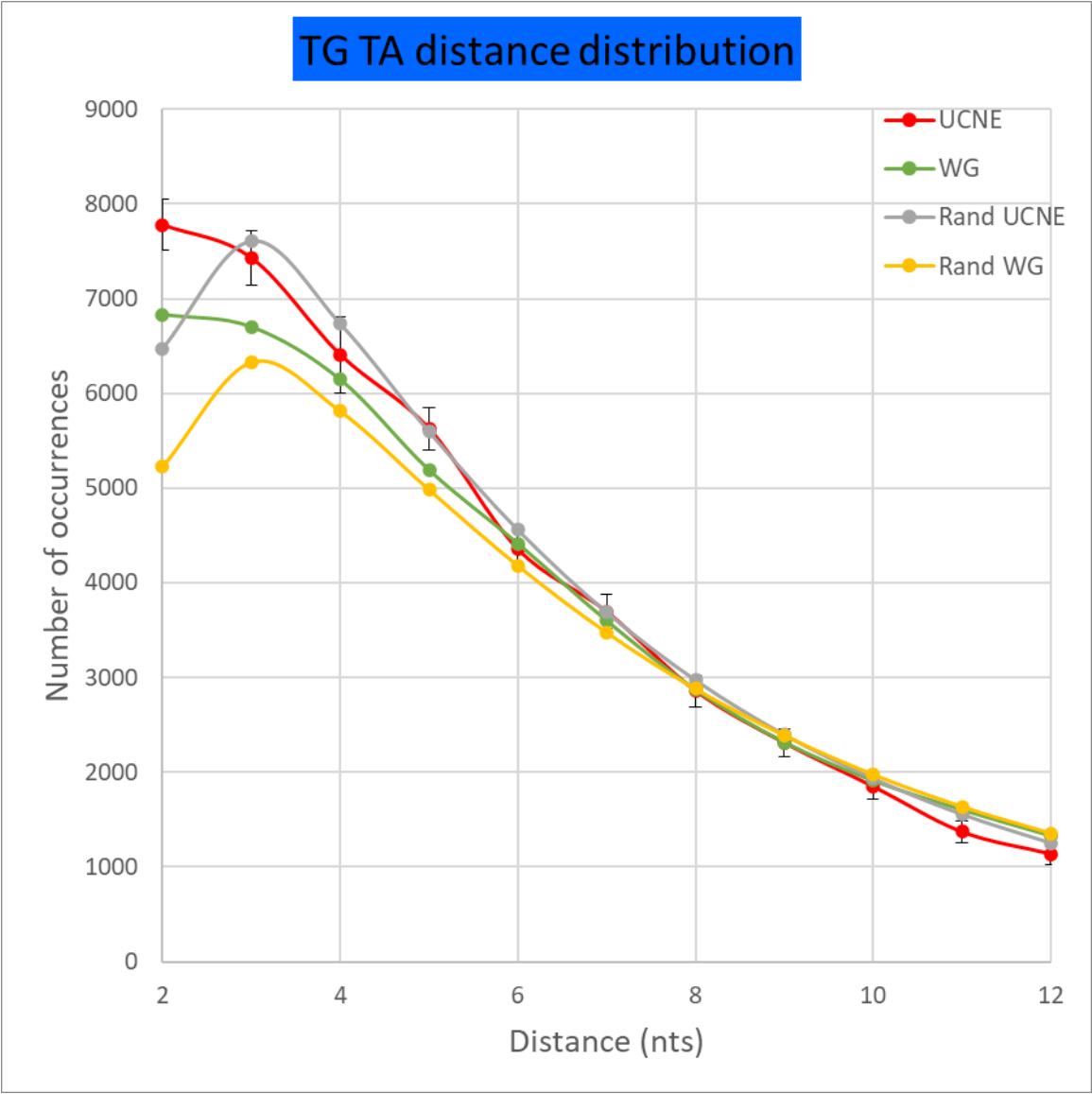


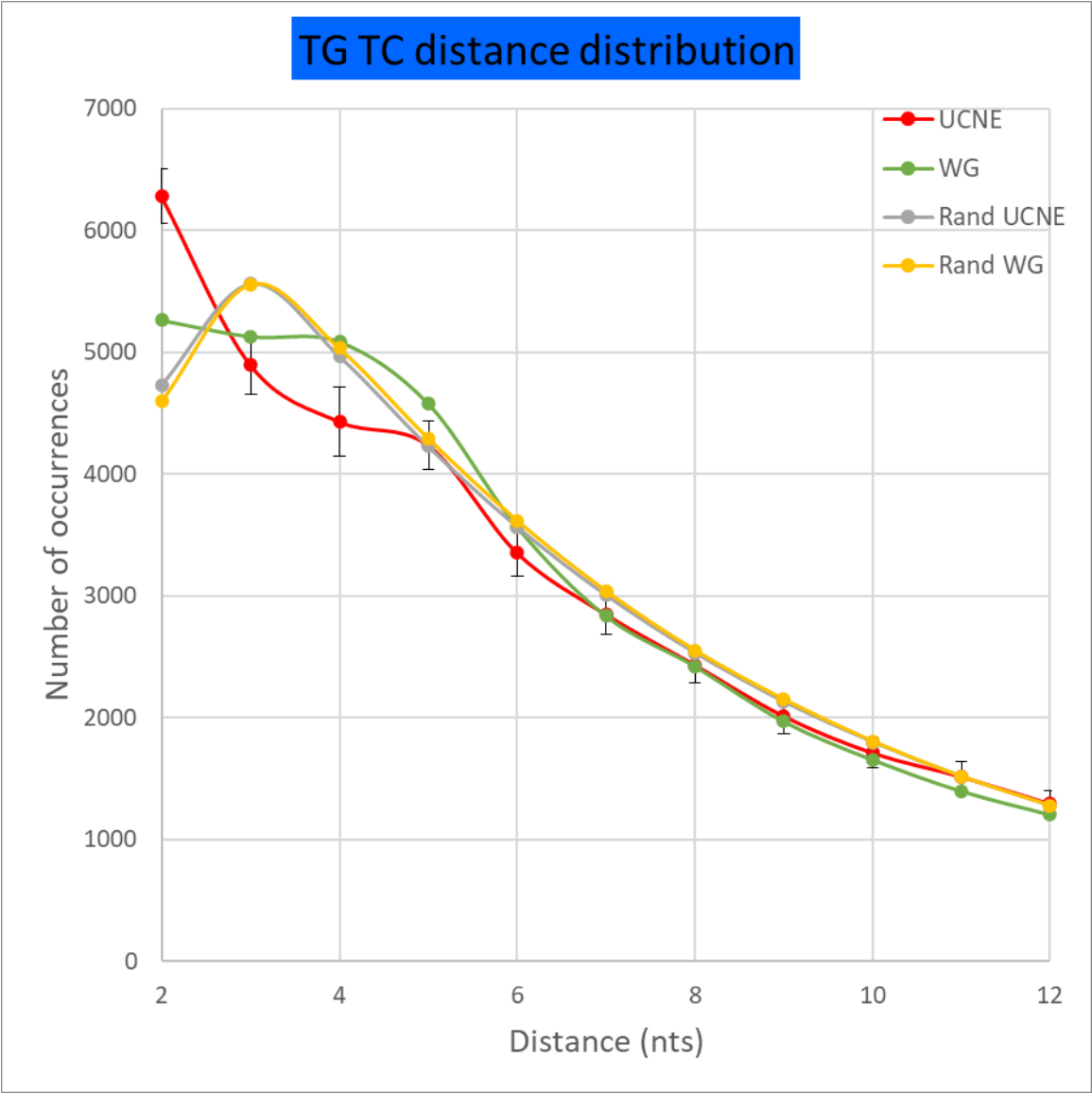


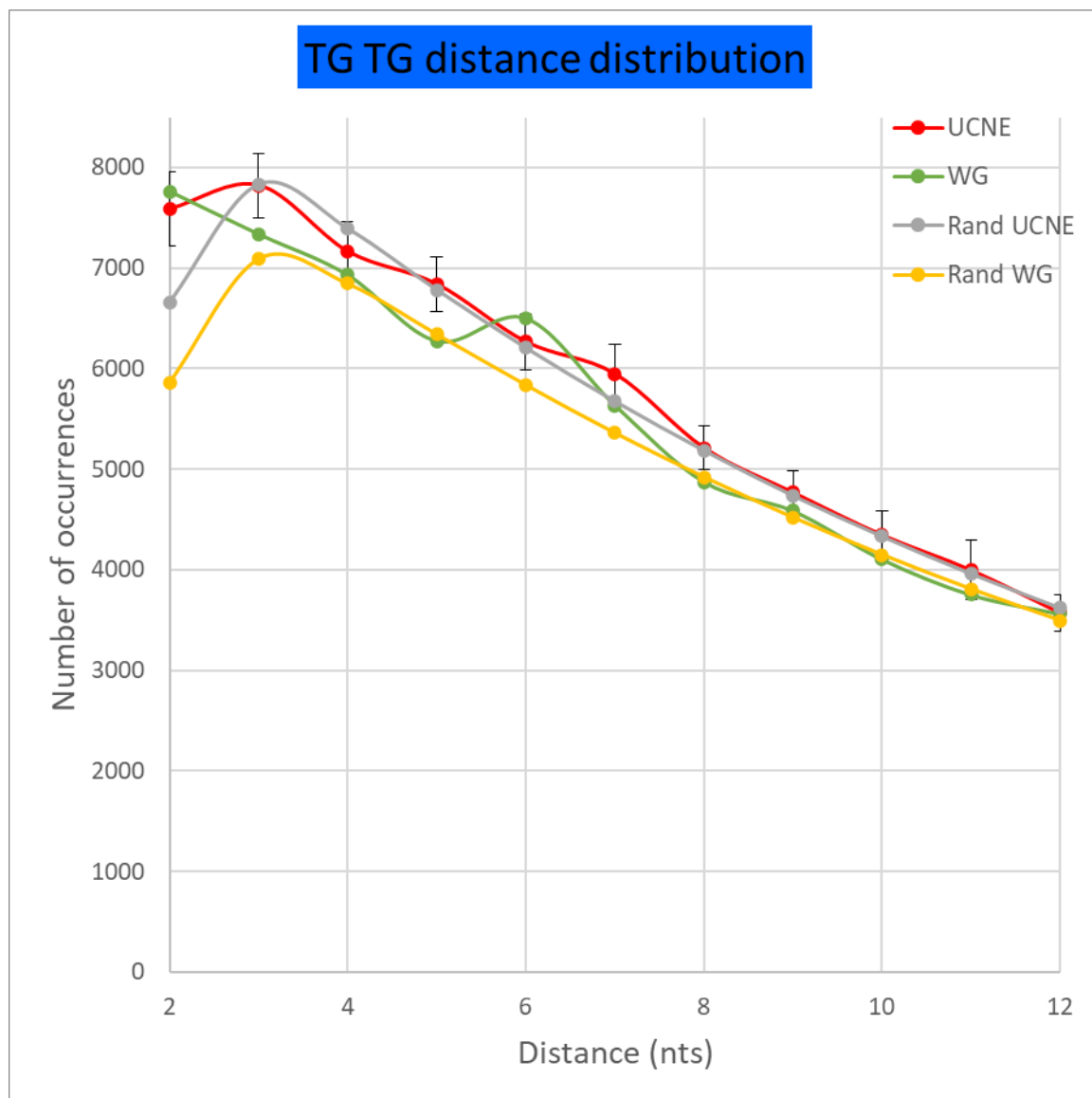


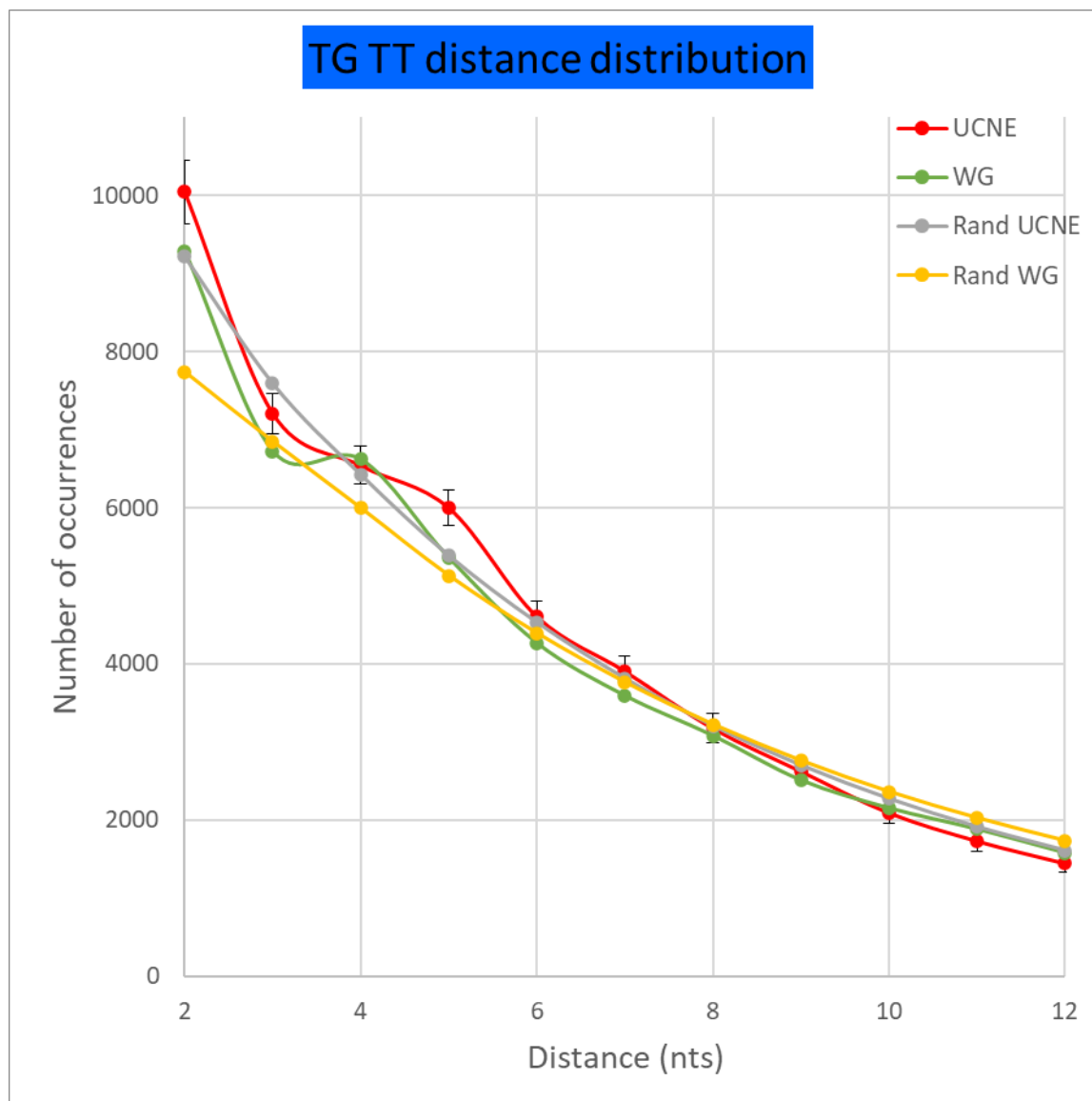


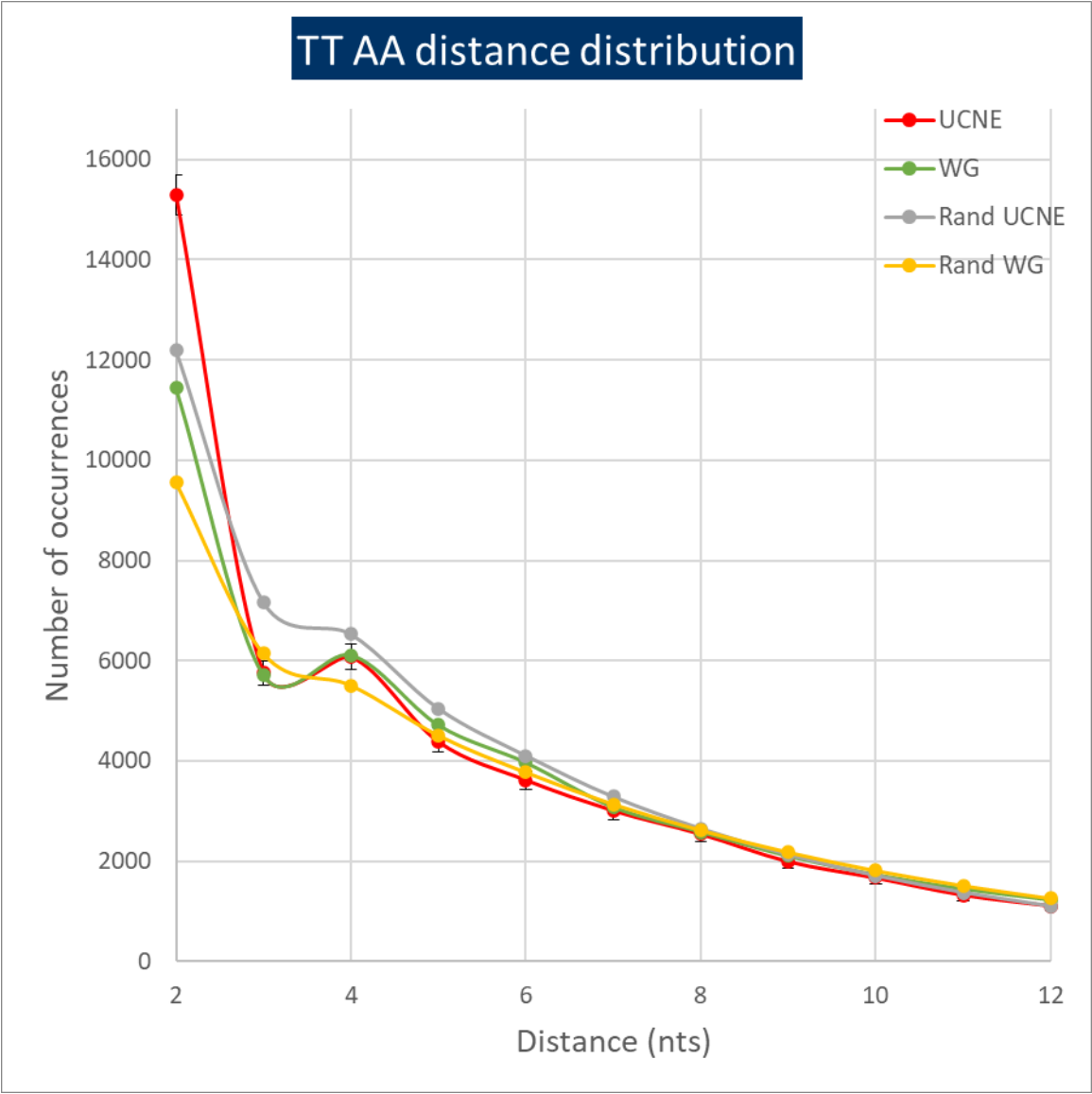




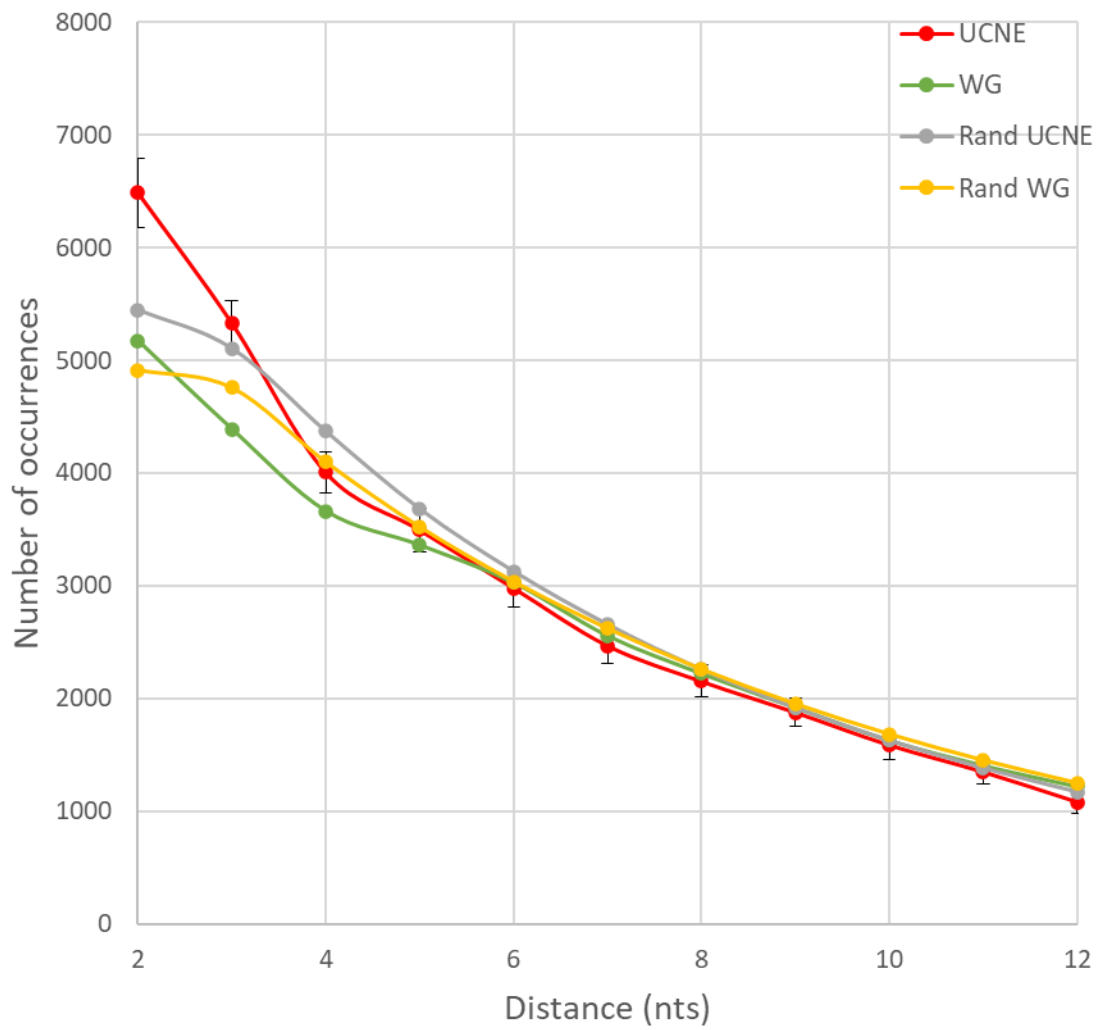








## TT AC distant distribution



## TT AG distant distribution

