

Supplementary Information

Computational study of peptide bond formation in the gas phase through ion-molecule reactions

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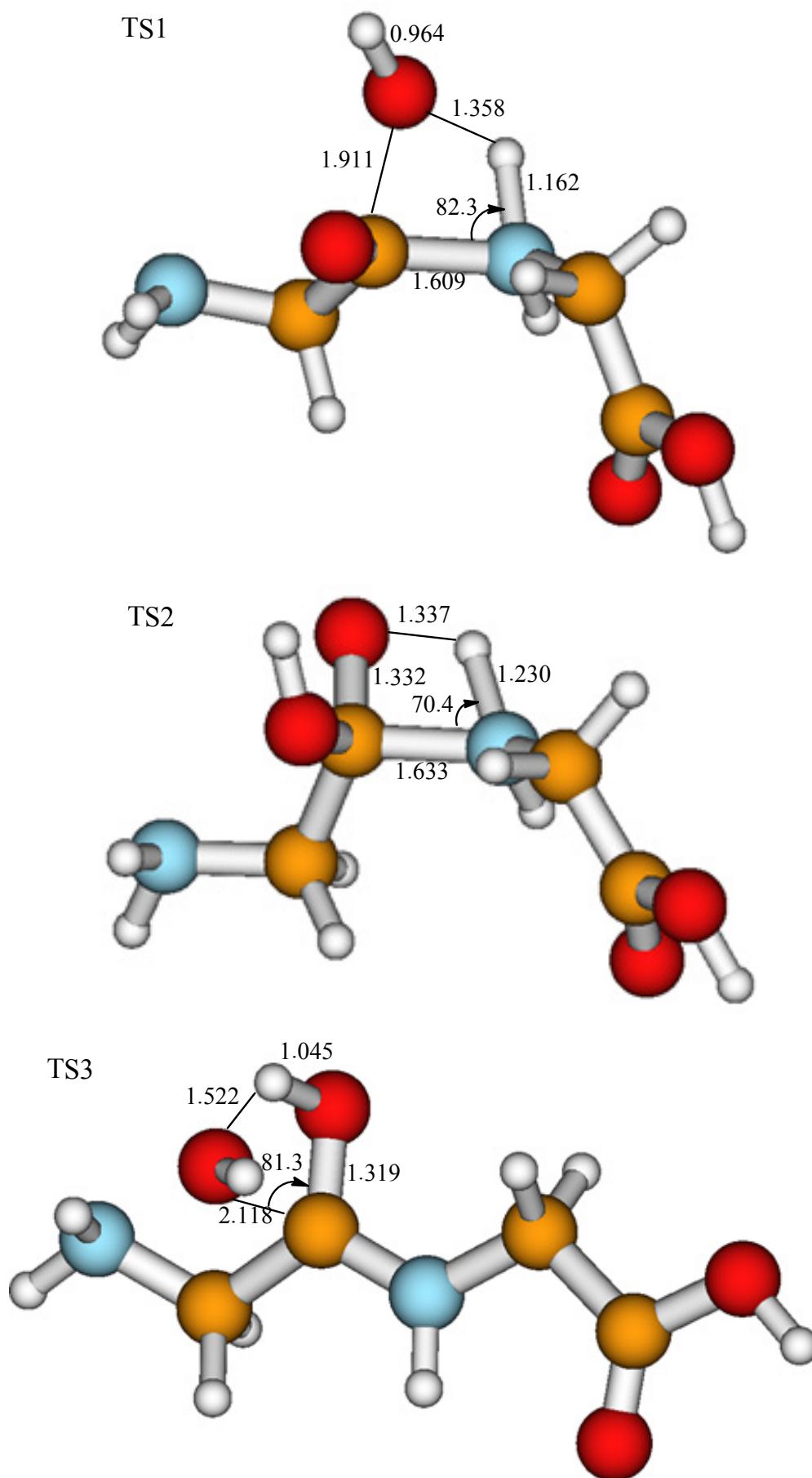
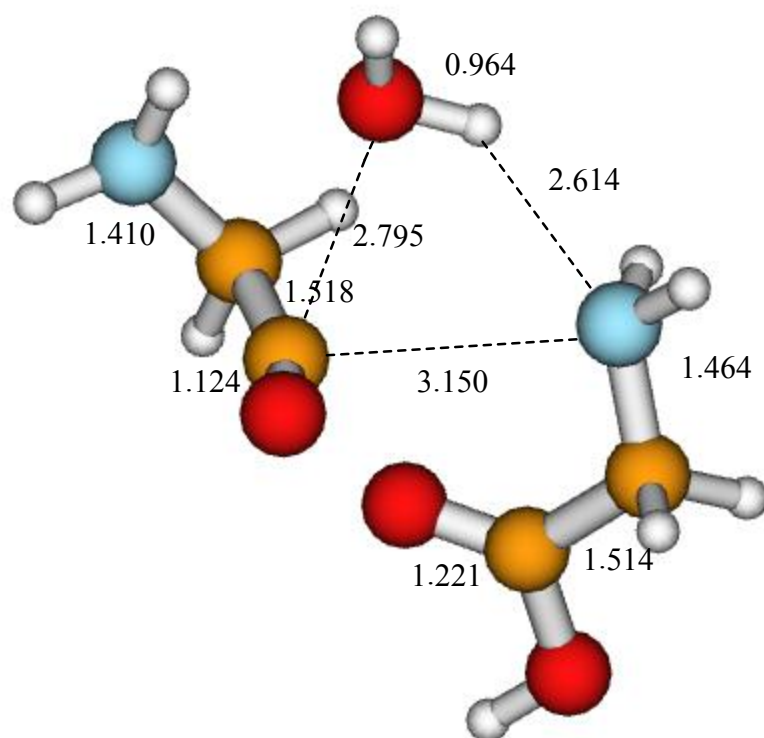
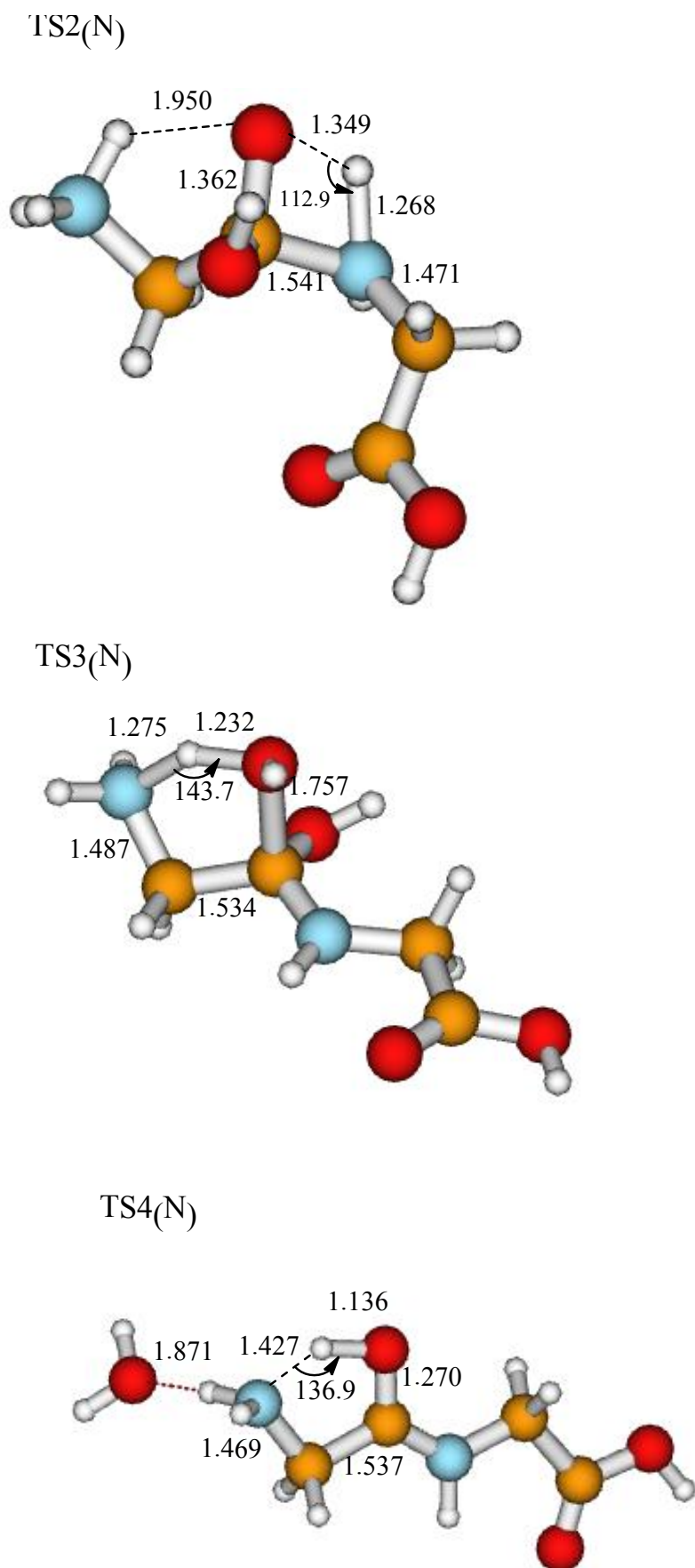


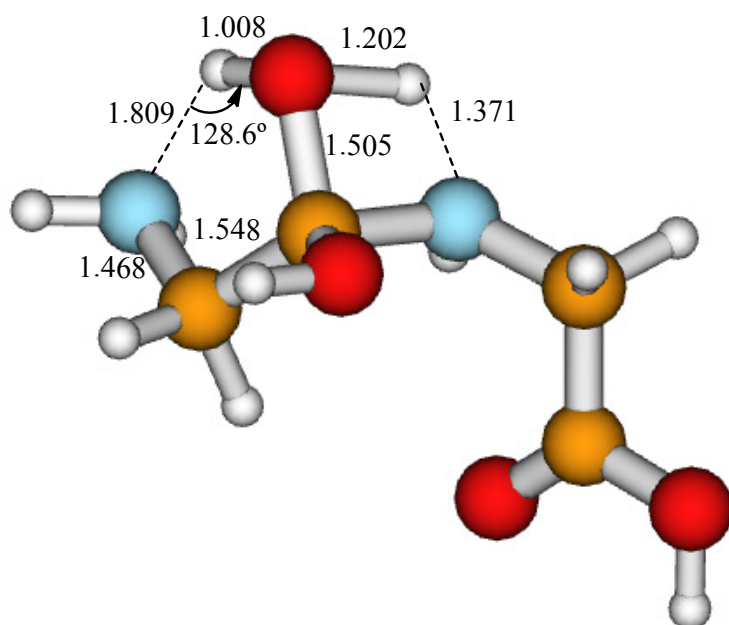
Figure S1. Transition states for the neutral reaction Gly + Gly

TS1(N)

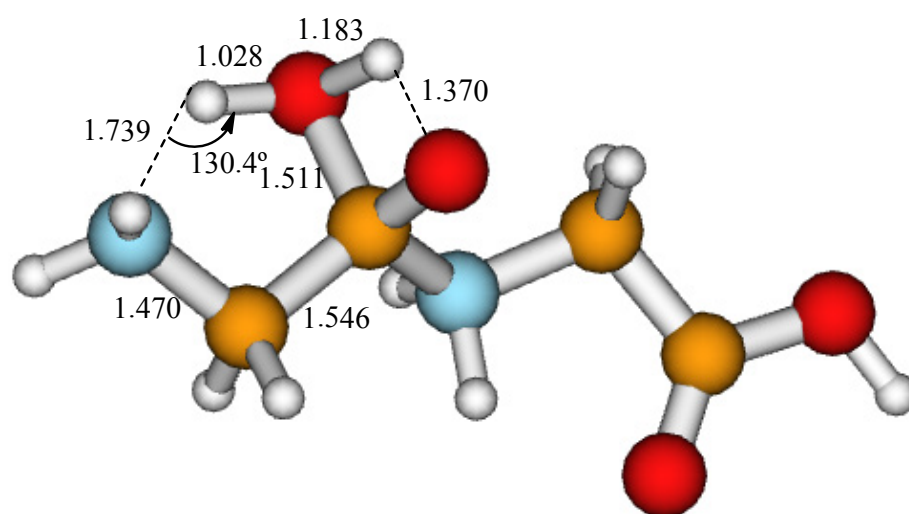




TS2(O)



TS1(O)



TS4(O)

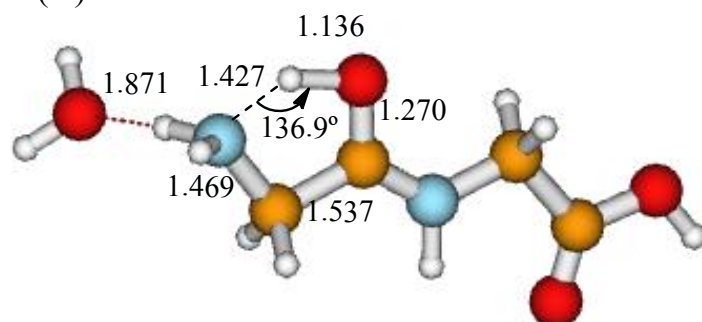


Figure S3. Transition states for the reaction $\text{Gly} + \text{GlyH}^+(\text{O}_1)$