

## Supporting Information

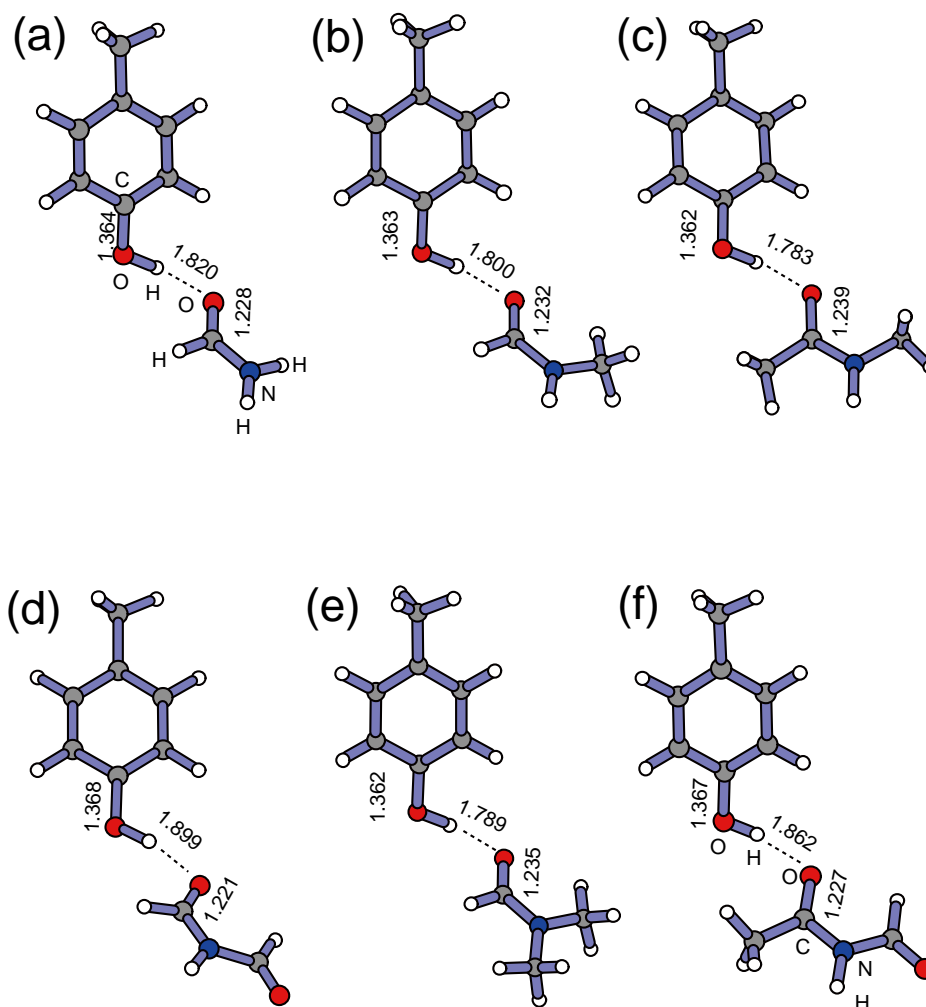


FIGURE S1: Optimized structures of the model complexes of *p*-cresol that acts as a hydrogen-bond donor to the C=O of formamide (a), *N*-methylformamide (b), *N*-methylacetamide (c), diformamide (d), *N,N*-dimethylformamide (e), *N*-formylacetamide (f).