## Electronic Supplementary Information for Prediction of DNA and RNA Structure with the NARES-2P Force Field and Conformational Space Annealing

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## Constraints derived from the CyloFold server

In one of the simulations of PreQ1 Class II riboswitch from Streptococcus pneumoniae we used constraints based on the results of CyloFold server contact prediction. We used the CyloFold output directly with no further processing, thus if a particular contact was listed twice (e.g., 2 28 and 28 2), the contraint was twice as strong. The following pairs of nucleobases were subject to constraints: