Supplementary Information

We developed a web application that enables the user to calculate and fine-tune the model parameters in an interactive and visual fashion. Web application is accessible through the following link:
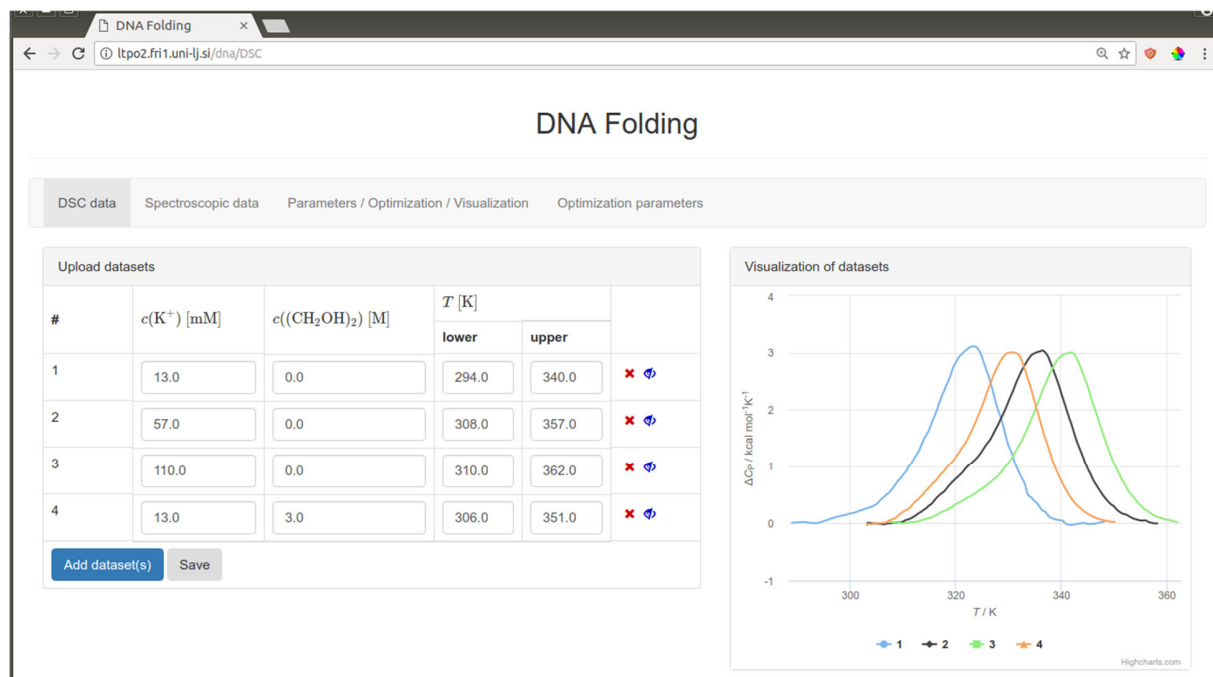
http://ltpo2.fri1.uni-lj.si/dna/

Fig. S1 User interface for the input of DSC data. The DSC curves are plotted in real time.
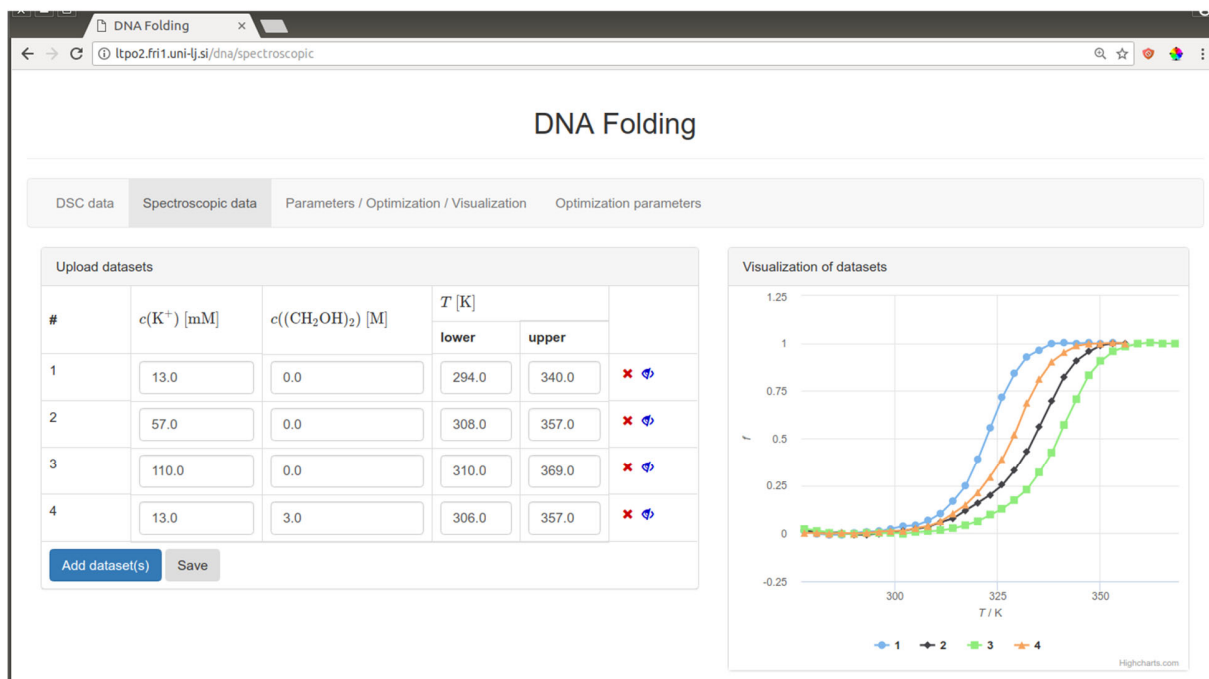
Fig. S2 User interface for the input of normalized CD melting curves. The normalized CD melting curves are plotted in real time.

Fig. S3 User interface for the input of the parameters. The parameters can be uploaded from a file or typed/ increased/ decreased manually. The errors are displayed under the parameter values.

Fig. S4 Comparison of the fitting and experimental curves (left), and speciation diagram under the given conditions.

Fig. S5 User interface for the control of the parameters. The parameters can be fixed or limited by the upper and/or lower values, and the number of bootstrapping iterations can be set.