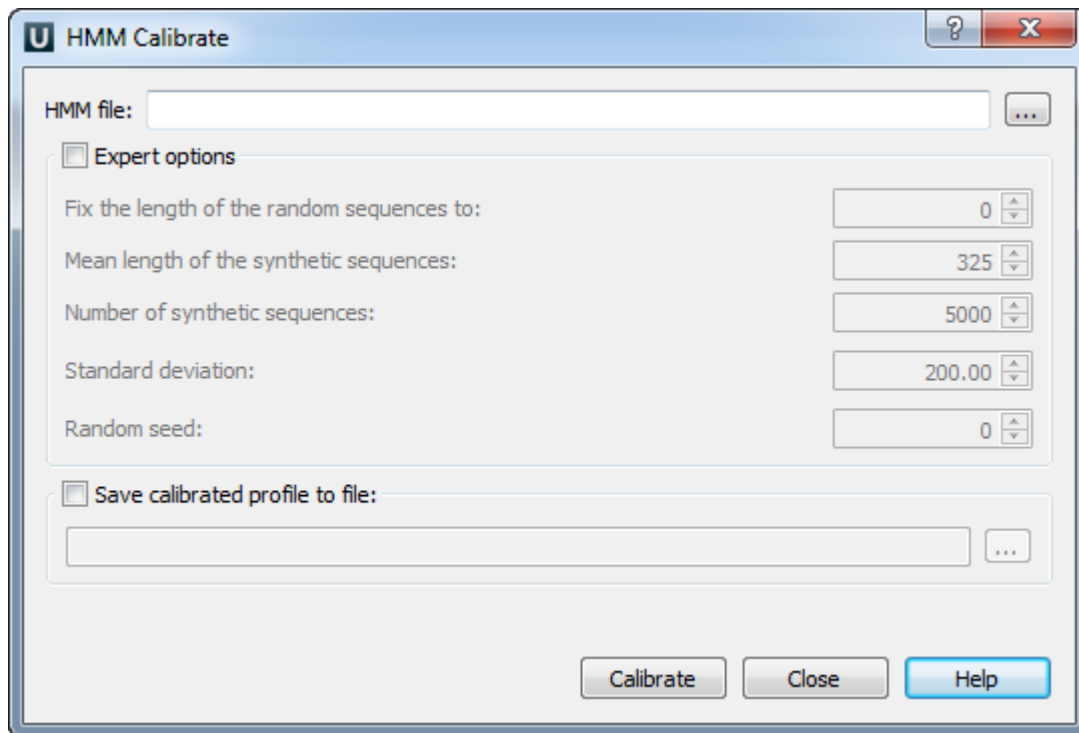


Calibrating HMM2 Model

The *HMM calibrate* tool reads a HMM profile file, scores a large number of synthesized random sequences with it, fits an extreme value distribution (EVD) to the histogram of those scores, and re-saves the hmm file including the EVD parameters.

To avoid modification of the original HMM file you can select a new location for the calibrated profile.



The image shows a Windows-style dialog box titled "HMM Calibrate". It features a standard title bar with a question mark icon and a close button (X). The main content area includes a text field for "HMM file:" with a browse button (three dots). Below this is a section titled "Expert options" with a checkbox. Inside this section, there are five rows of settings, each with a label and a numeric input field with up/down arrows: "Fix the length of the random sequences to:" (0), "Mean length of the synthetic sequences:" (325), "Number of synthetic sequences:" (5000), "Standard deviation:" (200.00), and "Random seed:" (0). Below the "Expert options" section is another checkbox labeled "Save calibrated profile to file:" followed by a text field and a browse button. At the bottom right of the dialog are three buttons: "Calibrate", "Close", and "Help".

HMM Calibrate

HMM file: ...

☐ Expert options

Fix the length of the random sequences to:

Mean length of the synthetic sequences:

Number of synthetic sequences:

Standard deviation:

Random seed:

☐ Save calibrated profile to file: ...