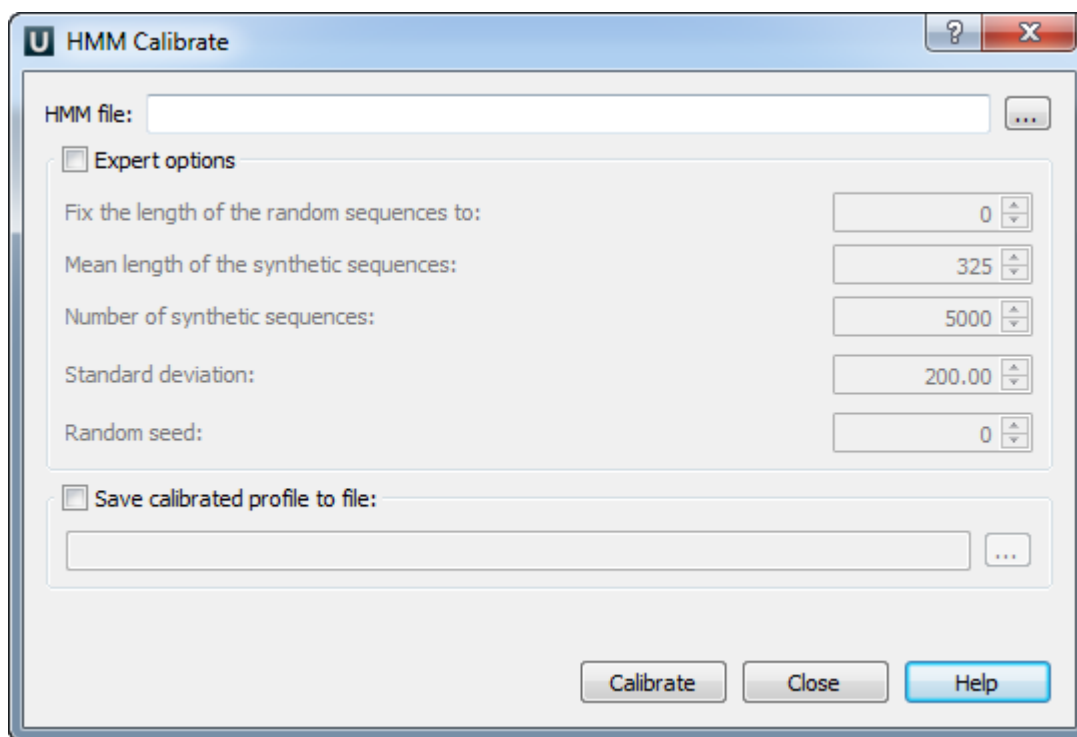


Calibrating HMM2 Model

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 has a standard title bar with a question mark icon and a close button (X). The main content area contains the following elements:

- A text field labeled "HMM file:" followed by a browse button (three dots).
- A checkbox labeled "Expert options".
- When "Expert options" is checked, a group box contains five settings, each with a text field and a spin button:
 - "Fix the length of the random sequences to:" with a value of 0.
 - "Mean length of the synthetic sequences:" with a value of 325.
 - "Number of synthetic sequences:" with a value of 5000.
 - "Standard deviation:" with a value of 200.00.
 - "Random seed:" with a value of 0.
- Below the expert options is another checkbox labeled "Save calibrated profile to file:".
- When this checkbox is checked, there is a text field and a browse button (three dots) for the file path.
- At the bottom right, there are three buttons: "Calibrate", "Close", and "Help".