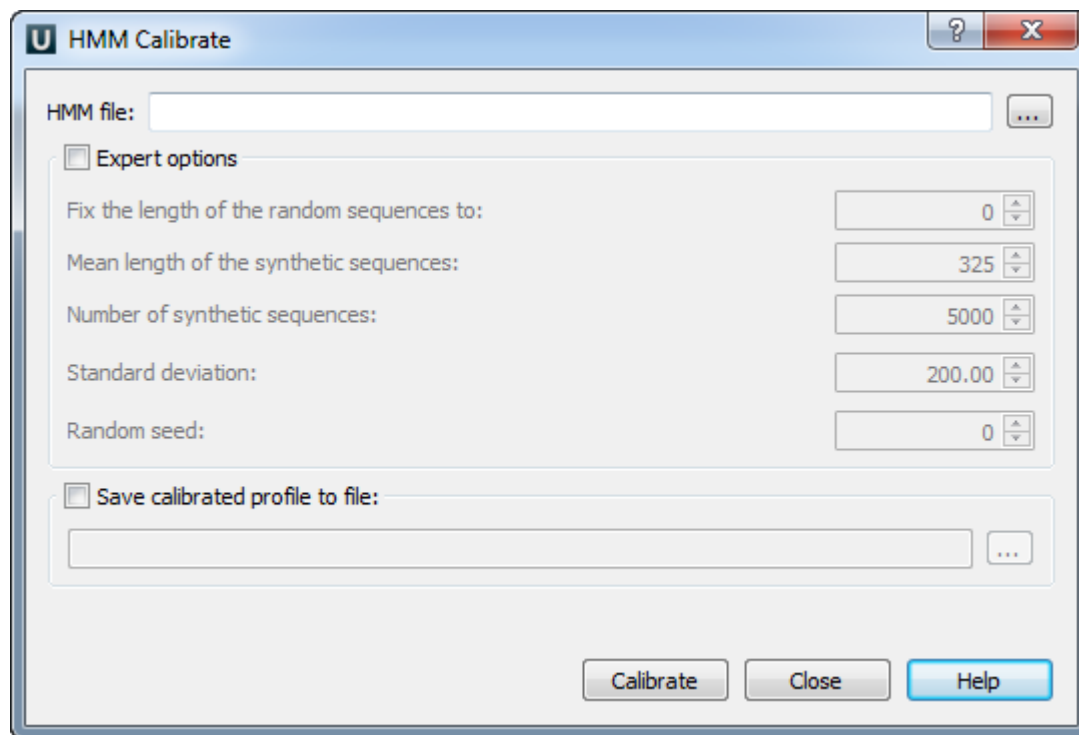


Calibrating HMM Model (HMM Calibrate)

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 screenshot shows the 'HMM Calibrate' dialog box. It has a title bar with a question mark icon and a close button. The main area contains the following elements:

- HMM file:** A text input field with a browse button (three dots) to its right.
- Expert options:** A checkbox that is currently unchecked.
- Fix the length of the random sequences to:** A numeric input field with a value of 0 and up/down arrow buttons.
- Mean length of the synthetic sequences:** A numeric input field with a value of 325 and up/down arrow buttons.
- Number of synthetic sequences:** A numeric input field with a value of 5000 and up/down arrow buttons.
- Standard deviation:** A numeric input field with a value of 200.00 and up/down arrow buttons.
- Random seed:** A numeric input field with a value of 0 and up/down arrow buttons.
- Save calibrated profile to file:** A checkbox that is currently unchecked.
- Save calibrated profile to file:** A text input field with a browse button (three dots) to its right.

At the bottom right, there are three buttons: 'Calibrate', 'Close', and 'Help'.