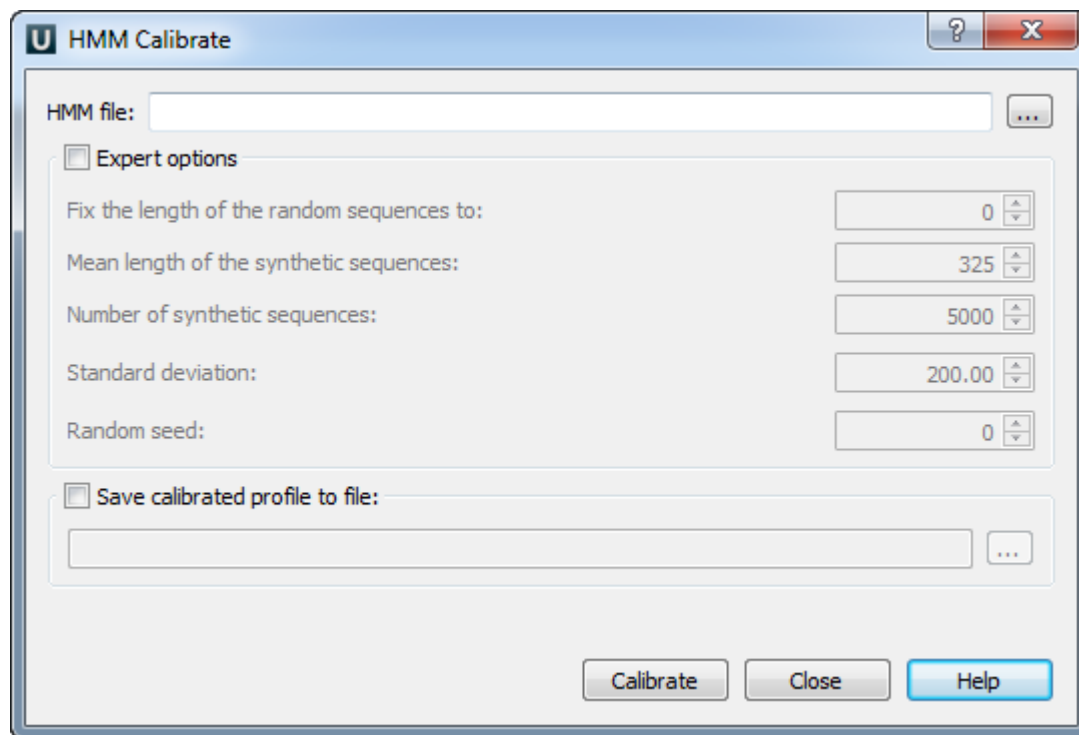


# Calibrating HMM Model (HMM Calibrate)

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 a text field for 'HMM file:' with a browse button. Below this is a section titled 'Expert options' with a checkbox. Inside this section 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 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:  ...