HMM3

The *HMM3* plugin is a toolkit based on the Sean Eddy's HMMER3 package.

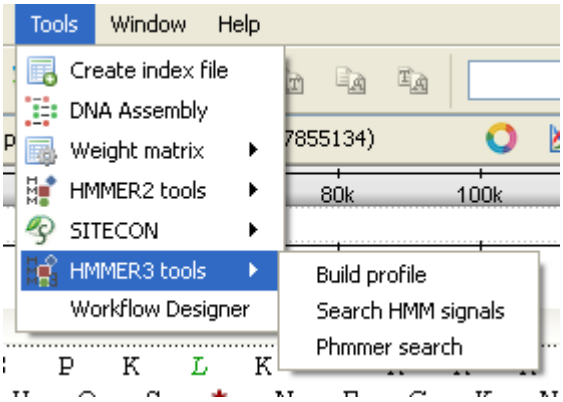
While working on this plugin we were guided by the following principles:

- Make the HMMER3 tools accessible to a wider user audience by providing graphical interface for all supported utilities for most of the platforms.
- Be compatible with the original HMMER3 package.
- Create the high-performance solution utilizing modern multi-core processors.

The current version of UGENE provides user interface for three HMM3 tools: *HMM3 build*, *HMM3 search* and *Phmmer search*.

In the original program the corresponding commands are: "hmmbuild", "hmmsearch" and "phmmer".

To access these tools select the *Tools HMMER3 tools* submenu of the program main menu:



We highly recommend reading the original HMMER3 documentation to learn how to use utilities provided by the plugin.

- Building HMM Model
- Searching Sequence Using HMM Profile
- Searching Sequence Against Sequence Database