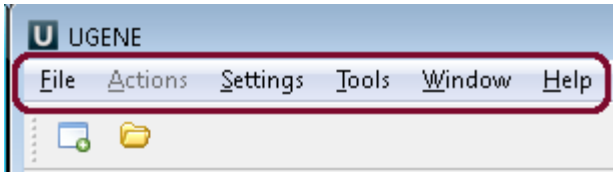
What you can do in UGENE?

When open UGENE for the first time, there is an empty UGENE window with the main menu bar on the top of the window:

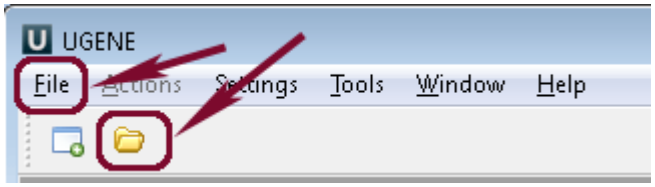


Using these menus you can run many algorithms, configure different settings and get help:

Menu	Description
File	A set of project/file level operations. **Example:** create, open, etc. a project; open a document; access remote database to download a file.
Actions	Various actions associated with the active window. **Example:** export, remove, edit, analyze a sequence using different plugins (for the *Sequence View*); edit, align, change the consensus mode (for the *Alignment Editor*).
Settings	Application, plugins and tools settings.
Tools	Various tools, independent of an active window. This menu is extended by different plugins. **Example:** HMMER2 / HMMER3 tools, SITECON, Workflow Designer.
Window	A list of active windows and basic manipulations with the windows. **Example:** close all windows, tile windows, select next window.
Help	Application help and check for updates.

The menus can be dynamically populated with new actions added by plugins.

You can select and analyze different files such as sequences, multiple sequence alignments, short reads assemblies and etc. To open a file click on the *File-->Open* or click on the *Open* icon and choose the file:



You can use UGENE sample files. There are the following sample data: ABIF, ACE, Assembly, CLUSTALW, EMBL, FASTA, FASTQ, Genbank, GFF, HMM, MMDB, MSF, Newick, PDB, Raw, SCF, Stockholm, Swiss-Prot. These files are located in the main UGENE directory: *ugene/data/samples*.

- View, edit and annotate DNA, RNA and protein sequences
- View, edit and align multiple sequence alignments
- View, align and assemble short reads
- 3D structures and surface algorithms
- Workflow Designer: pipelines and repeatable experiments