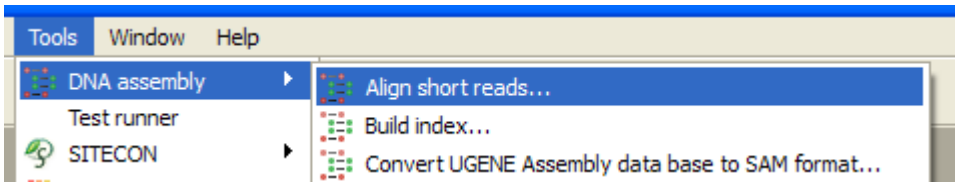
# UGENE Genome Aligner

The UGENE Genome Aligner is a fast short read aligner. It aligns DNA sequences of various lengths to the reference genome with configurable mismatch rate.

It is available from the *Tools  DNA assembly* submenu of the main menu.




Select the *Align short reads* item to align short reads to a DNA sequence or *Build index* item to build an index for a DNA sequence which can be used to optimize aligning short reads to the sequence.

- Aligning Short Reads with UGENE Genome Aligner
- Building Index for UGENE Genome Aligner
- Converting UGENE Assembly Database to SAM Format