

# Molecular Cloning in silico

This chapter describes a set of tools in UGENE to perform molecular cloning experiments *in silico*.

This allows you to digest a molecule into fragments, create a fragment from a sequence region and ligate fragments into a new molecule.

- Digesting into Fragments
- Creating Fragment
- Constructing Molecule
  - Available Fragments
  - Fragments of the New Molecule
  - Changing Fragments Order in the New Molecule
  - Removing Fragment from the New Molecule
  - Editing Fragment Overhangs
  - Reverse Complement a Fragment
  - Other Constuction Options
  - Output
- Creating PCR Product