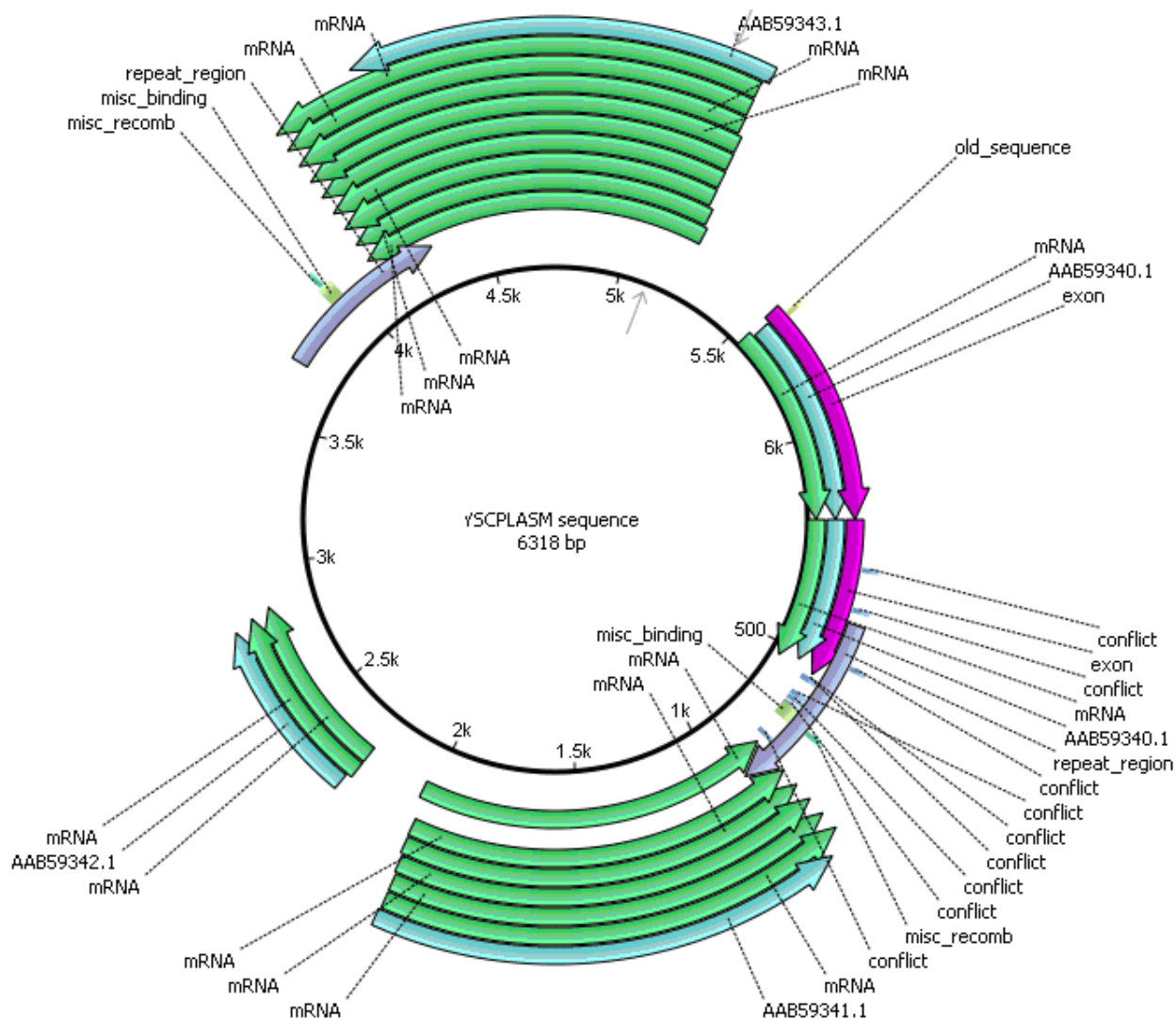


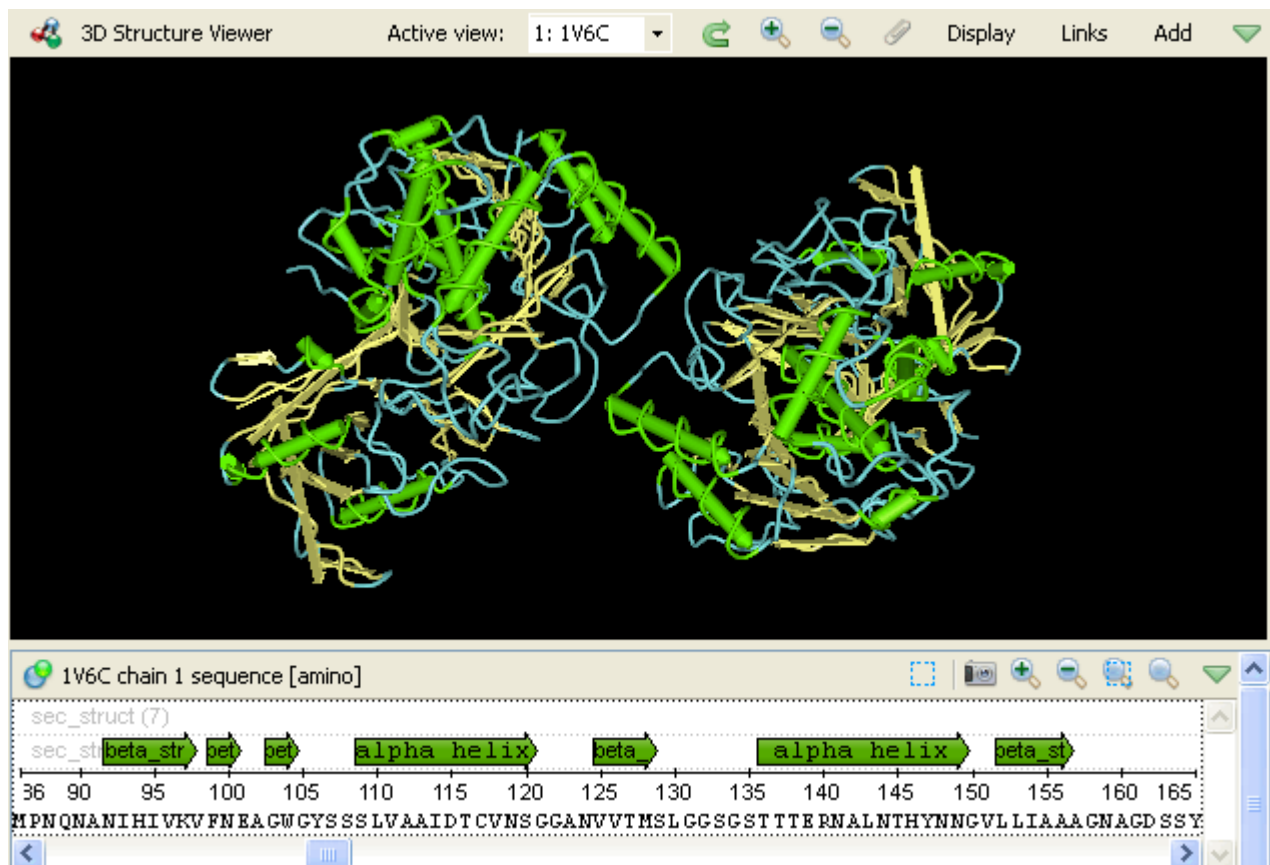
# Sequence View Extensions

The functionality of the *Sequence View* can be significantly increased with *Sequence View Extensions*. Below is the demonstration its functionality.

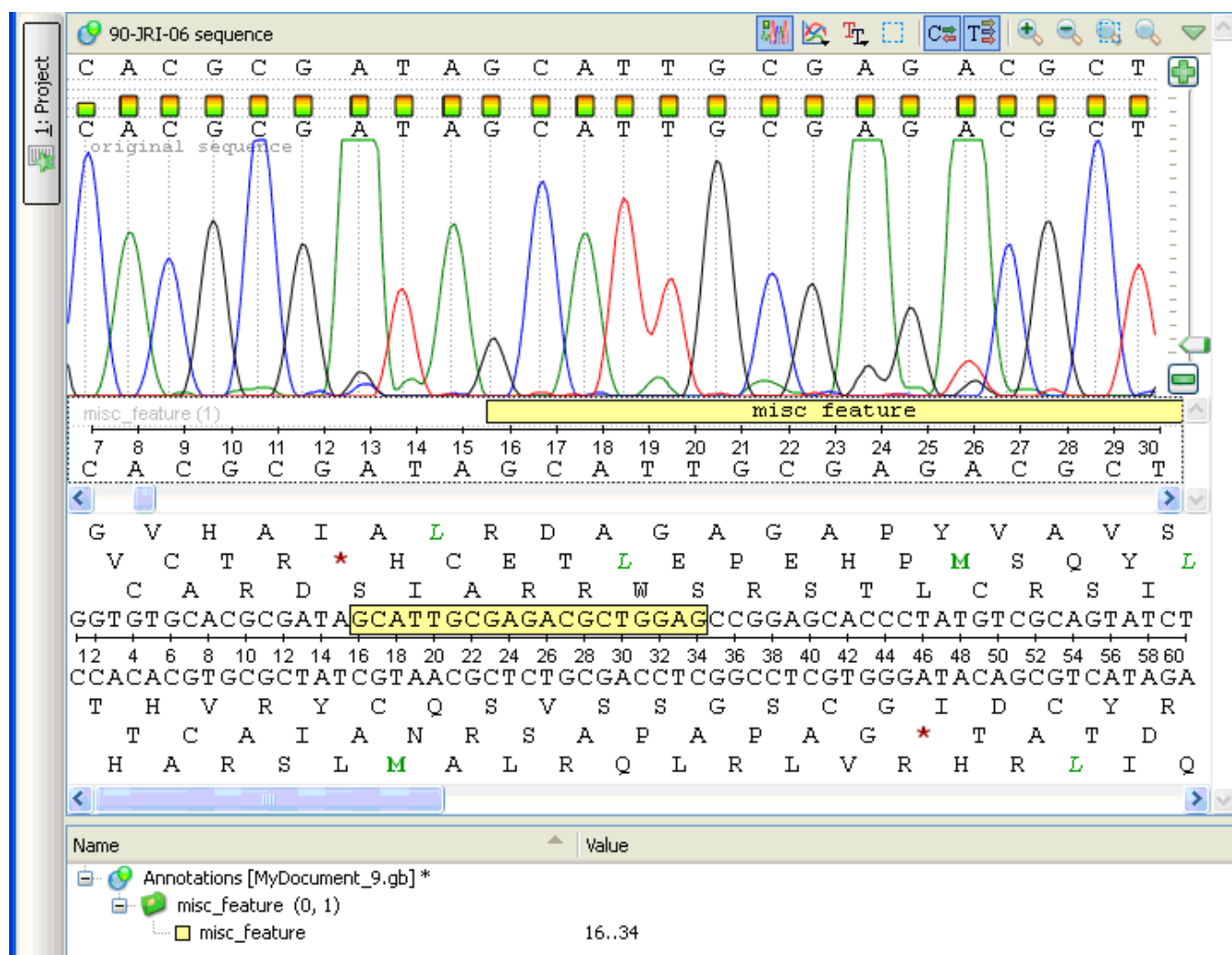
The [Circular Viewer](#) shows the circular view of a sequence:



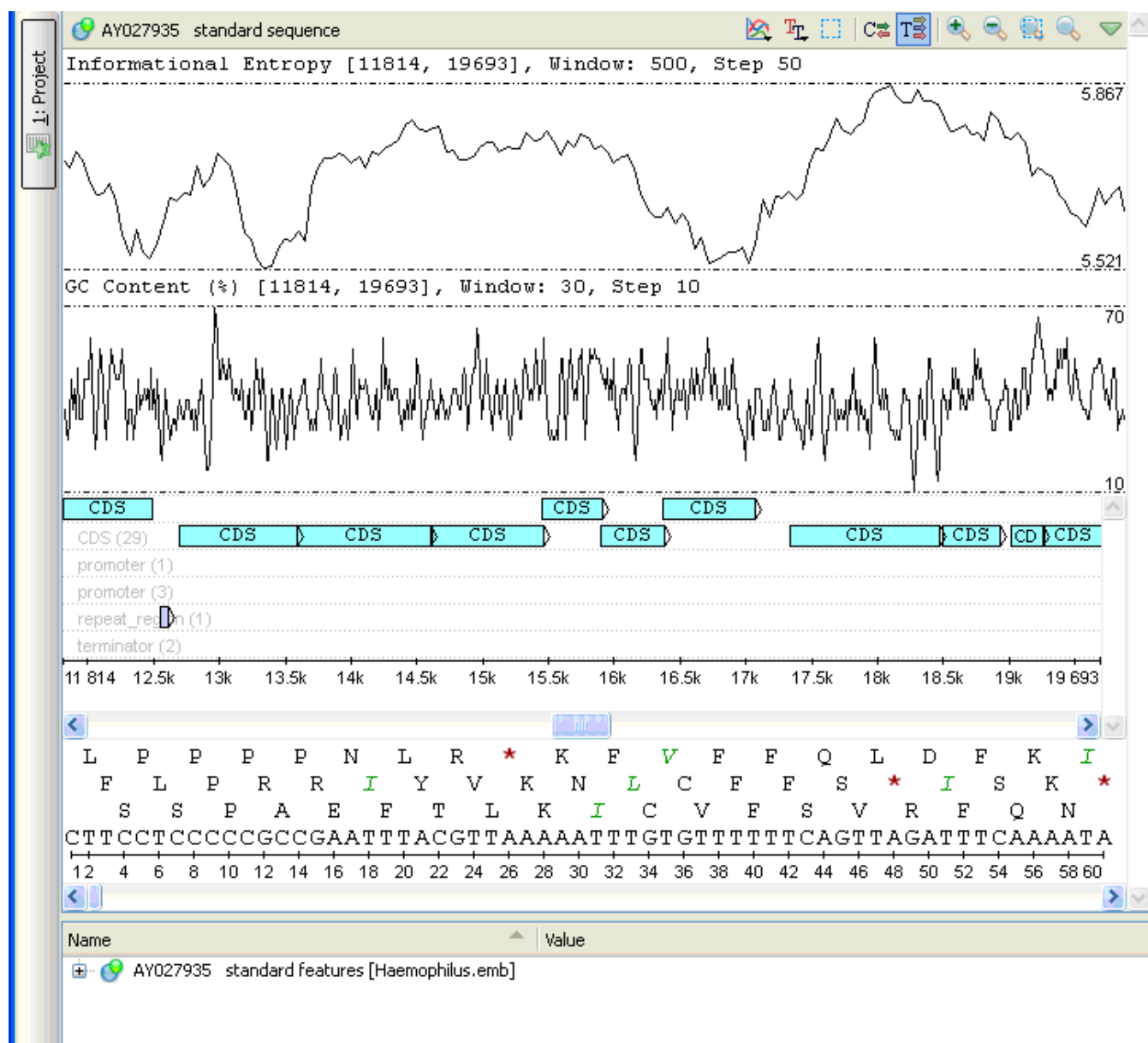
The [3D Structure Viewer](#) adds 3D visualization for PDB and MMDB files:



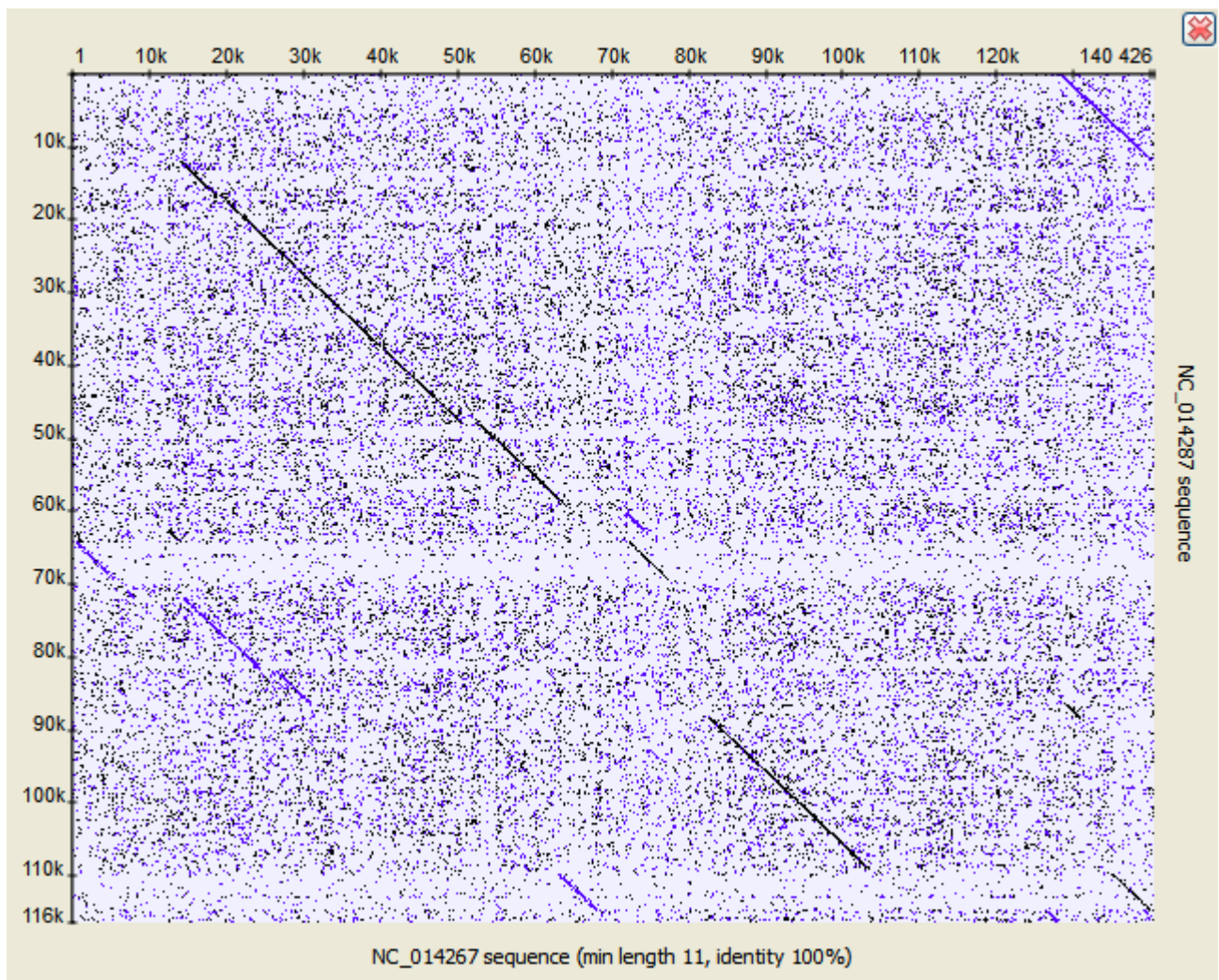
The [Chromatogram Viewer](#) adds support for chromatograms visualization and editing:



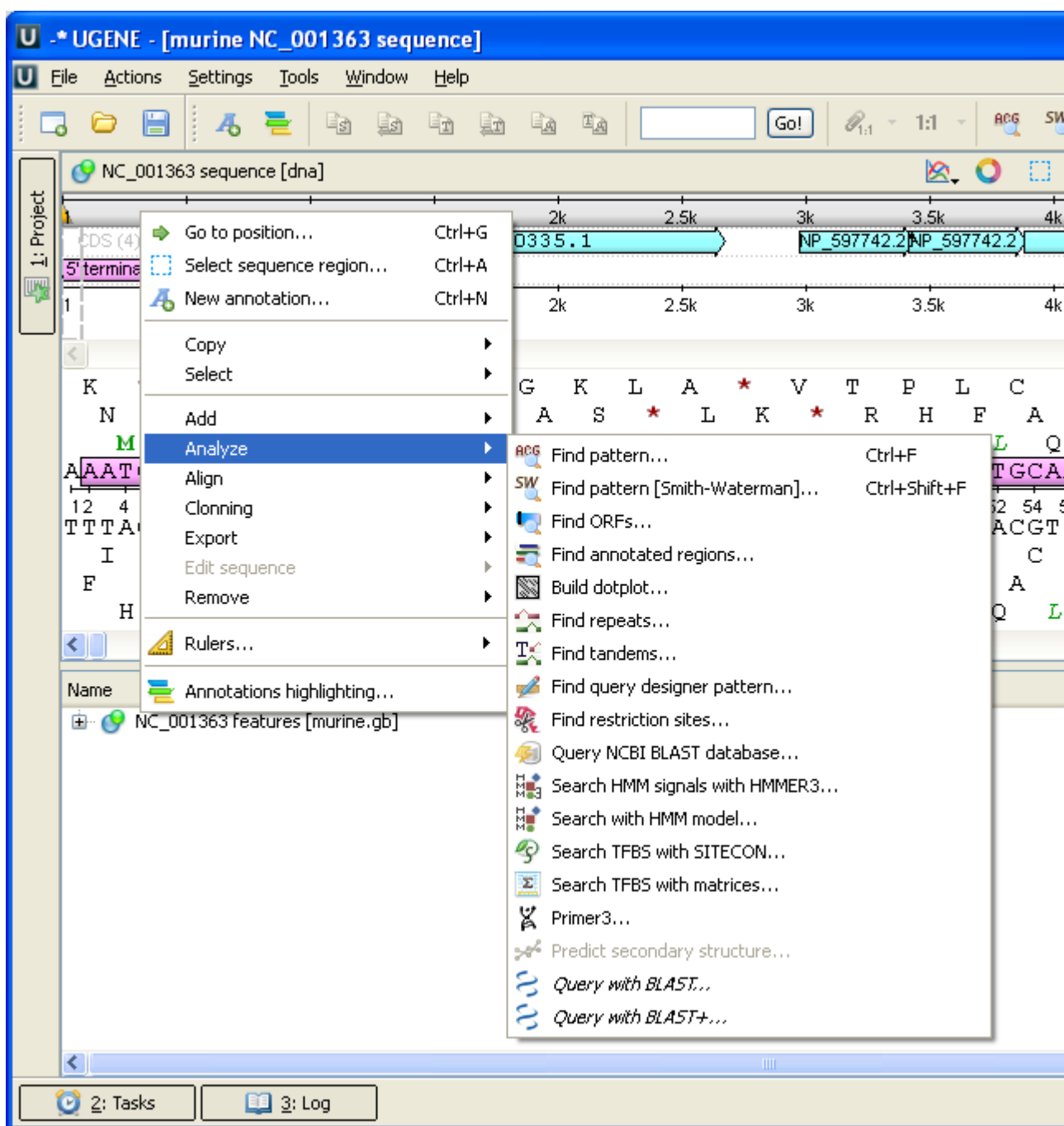
The [DNA Graphs Package](#) shows various graphs for sequences:



The [Dotplot](#) provides a tool to build dotplots for DNA or RNA sequences.



A number of other instruments add the graphical interface for popular sequence analysis methods:



For details see the next sections of the documentation:

- [Circular Viewer](#)
  - [Circular View Settings](#)
- [3D Structure Viewer](#)
  - [Opening 3D Structure Viewer](#)
  - [Changing 3D Structure Appearance](#)
    - [Selecting Render Style](#)
    - [Selecting Coloring Scheme](#)
    - [Calculating Molecular Surface](#)
    - [Selecting Background Color](#)
    - [Selecting Detail Level](#)
    - [Enabling Anaglyph View](#)
  - [Moving, Zooming and Spinning 3D Structure](#)
  - [Highlight Region on 3D Structure](#)
  - [Selecting Models to Display](#)
  - [Structural Alignment](#)
  - [Exporting 3D Structure Image](#)

- Working with Several 3D Structures Views
- Chromatogram Viewer
  - Exporting Chromatogram Data
  - Viewing Two Chromatograms Simultaneously
- Graphs Package
  - Description of Graphs
  - Graph Settings
  - Saving Graph Cutoffs as Annotations
- Dotplot
  - Creating Dotplot
  - Navigating in Dotplot
  - Zooming to Selected Region
  - Selecting Repeat
  - Interpreting Dotplot - Identifying Matches, Mutations, Inversions, etc
  - Editing Parameters
  - Filtering Results
  - Saving Dotplot as Image
  - Saving and Loading Dotplot
  - Building Dotplot for Currently Opened Sequence
  - Comparing Several Dotplots