



What's new in the 2.4 release of KoriBlast

#### **A. A brand new Module:**

A Document Viewer has been added to KoriBlast. It aims at providing the user with dedicated viewers for particular type of data.

In this 2.4 release of KoriBlast a 3D molecular structure viewer is available to display entries coming from the PDB data bank.

#### **B. Search Module**

- new layout for the Search Form
- new job scheduler system enabling to start/stop each job separately
- EBI and NCBI Client: new search parameters available in the Search Form. Made use of the new recommendations to manage search jobs.
- Local, WWW, Grid Blast clients: possibility to configure the job execution using up to 16 parallel queues.
- the data table layout is saved and restored over KoriBlast sessions
- use of keyboard shortcut [Ctrl]+C ([Cmd]+C on MacOS) to copy table data to the ClipBoard. Data are formatted using CSV format.

#### **C. Analyse Module**

##### *Hit List View*

- it is now possible to refresh the sequence data retrieved for every hit over time. To do so, press the [Ctrl] key while asking for the sequence data: this will force KoriBlast to reload the data for the selected hits. As a consequence a new Status panel is available within the Feature Viewer that displays the data retrieval date, among others.
- during sequence data retrieval, KoriBlast now gets the DB cross-reference identifiers (PubMed, KEGG, GO, InterPro, Enzyme, etc). Corresponding entries can be displayed using a web browser.
- using a selection of hits, it is now possible to extract those hits and create a separate Blast result, and to apply a filter
- the graphical properties (colours and smileys) associated to the hits can now be edited using a graphical editor. Those properties can be set using either scores, E-value, sequence identity or sequence similarity.
- sequence regions can now be selected directly on the sequence alignment viewer. Among others, such selected regions can be used to prepare directly new database search jobs.
- the data table layout is saved and restored over KoriBlast sessions
- use of keyboard shortcut [Ctrl]+C ([Cmd]+C on MacOS) to copy table data to the ClipBoard. Data are formatted using CSV format.

### *'Conserved regions' view*

- the map can be displayed without any features even if some are available.
- features can now be directly selected (using the mouse)

### *'Multiple Alignment' and 'Position Specific Matrix' views*

- use of keyboard shortcut [Ctrl]+C ([Cmd]+C on MacOS) to copy table data to the ClipBoard. Data are formatted using GCG-MSF (MSA view) or CSV (PSM view) format.

### *'Taxonomy Reports' view*

- the data table layout is saved and restored over KoriBlast sessions
- use of keyboard shortcut [Ctrl]+C ([Cmd]+C on MacOS) to copy table data to the ClipBoard. Data are formatted using CSV format.

## **D. Filter Manager/Search Module**

- it is now possible to select several entries in the 'Summary Result' view. The selection of hits can then be directly transferred to the Analyse Module.

## **E. Others:**

- KoriBlast now requires 256 Mo (RAM)
- new installation procedure that preserves user configuration
- contextual menus in data tables (right click)
- some bugs reported by our users have been fixed