



CLC Sequence Viewer

Features & Benefits

CLC Sequence Viewer makes it possible to view all the data produced in the CLC Workbenches. With its advanced viewing and data handling capabilities, the CLC Sequence Viewer is a perfect tool for inspecting sequence data.

Add restriction site analysis, alignments and phylogenetic trees, and you have all the basic tools you need.

Version 6.0 for Windows,
Mac OS X, and Linux
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CLC Sequence Viewer

CLC Sequence Viewer from CLC bio is a user-friendly bioinformatics tool to support your daily lab work. This release, as well as all future releases, are free of charge and available for both Windows, Mac OS X, and Linux platforms.

Besides its own functionality described in this document, the CLC Sequence Viewer is designed to work as a viewer of the more advanced analyses performed in the more powerful Workbenches: The CLC DNA Workbench, CLC Protein Workbench, CLC RNA Workbench and CLC Main Workbench. As an example, you are not able to edit the sequence annotations in the CLC Sequence Viewer, but you can import a sequence from a Workbench and view its annotations.

Database searches

With one click, you have access to searching all sequences in GenBank. When a sequence is downloaded, it will be displayed in a rich format showing all annotations (genes, coding sequences, exons etc.). The GenBank search is easy to perform and also supports batch download of up to 500 sequences at a time. You can download both proteins and nucleotide sequences.

Graphical sequence views

Viewing and navigating data has never been easier! You can zoom in and out on a sequence, create split views showing both the details and an overview of the sequence. This means that you can effectively navigate even large genome sequences. In addition, you can display circular maps showing annotations and restriction sites.



Export for publications and presentations

All the data in the CLC Sequence Viewer can be exported in high-quality graphics in the following formats:

- JPG
- PDF
- PNG
- TIF, EPS, PS, and SVG

With a few clicks you have high-quality graphics to use in presentations or publications.

Restriction sites

See how restriction enzymes will cut your sequence, both in the linear and the circular sequence view. All enzymes from Rebase are shipped with the CLC Sequence Viewer, and you can define a subset to show on your sequence.



A wide range of import formats

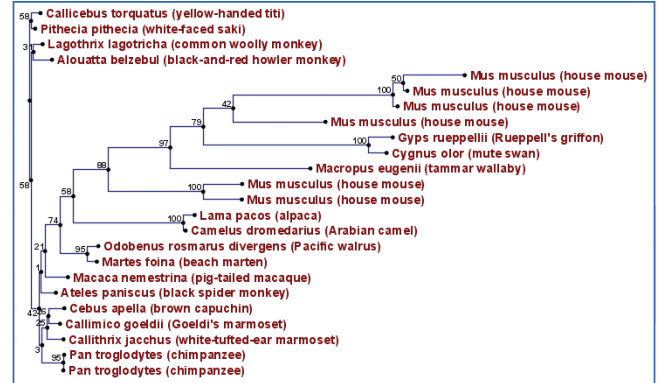
Time spent on converting data from one format to another will be eliminated with the CLC Sequence Viewer. The wide range of import formats enables you to do batch import of virtually all sequence data:

Import formats

- Phylip Alignment
- GCG Alignment
- Clustal Alignment
- Newick
- FASTA
- GenBank
- GCG sequence
- PIR (NBRF)
- Staden
- DNASTrider
- Swiss-Prot
- Lasergene sequence
- Embl
- Nexus
- Vector NTi Database
- VectorNTI achieves
- Gene Construction Kit

Alignments and trees

A unique feature of CLC Sequence Viewer is that all the analyses are integrated. This means that you can create an alignment with annotated sequences and display the annotations in the alignment. With a few clicks, you can create a phylogenetic tree of the alignment. There are no needs for data conversion, and this means that you retain all the rich sequence information from analysis to analysis.



A phylogenetic tree of a number of mammalian beta-globin protein sequences. The phylogeny was estimated using the neighbour-joining algorithm. Confidence values based on 100 bootstrap replicates are shown on the branches of the tree.

System requirements

- Mac OS X 10.4 or later (including Intel-based Macs)
- Windows 2000 or Windows XP
- Linux: Redhat or SuSE
- 256 MB RAM required
- 512 MB RAM recommended
- 1024 x 768 display recommended

Contact your local sales representative or send an e-mail to sales@clcbio.com if you would like to try CLC Sequence Viewer.

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