

MacVector 26.1.0

for Mac OS X

The online updater for this release is 271 MB in size

IF THE ONLINE UPDATER DOES NOT WORK,
DOWNLOAD THE FULL INSTALLER HERE!

System Requirements

MacVector 26.1 is a Universal Binary supported on any Intel or Apple Silicon Macintosh running **macOS 11.5** (Big Sur) or higher, up to and including macOS Golden Gate. There are no other specific hardware requirements for MacVector – if your machine can run macOS 11.5 or above, it can run MacVector. A complete installation of MacVector 26.1 uses approximately 900MB of disk space. Please note this release will NOT run on OS X 11.0 or earlier versions of OS X.

ASSEMBLER NOTE: If you are performing contig assembly using *MacVector with Assembler*, we recommend you have **at least 4 GB of FREE RAM** available on your machine. For any serious NGS work using *phrap*, *velvet*, *SPAdes*, *Flye*, *bowtie* or *minimap2*, you should have at least 16 GB and preferably 32 GB or more for satisfactory performance.

Installation and License Activation

You can choose to install MacVector in one of two ways; if you want to install MacVector for all users of the computer, simply drag the MacVector folder onto the Applications folder. You will be prompted for a system administrator account and password during this copy. If you don't have administrative privileges, or if you want to install it for just your own use, you can install MacVector in the `/Applications/` folder in your own personal home directory. To do that, double-click on the **OpenUserApplicationsFolder** icon to open the folder in a separate window, then drag the MacVector folder into that window.

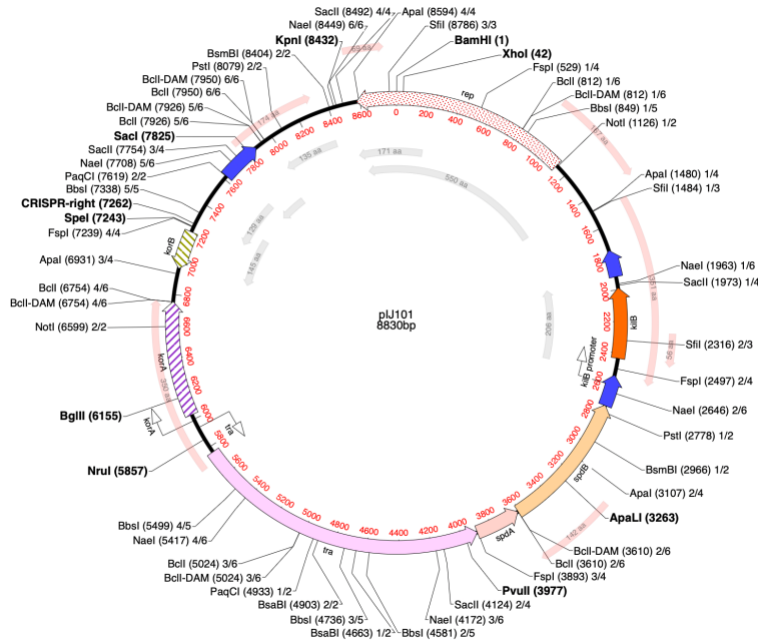
When you first run MacVector, you must enter a valid license owner, serial number and activation code if one does not already exist on your computer. This information is usually sent by e-mail but is also printed on the inside of the CD sleeve if you opted to receive MacVector on physical media. If you previously installed an earlier version of MacVector and have a serial number with a maintenance end date of October 1st 2026 or later, MacVector 26.1 will automatically use your existing license, and you will not be required to enter the details again.

NOTE: you can optionally activate a license for your own use without requiring Administrative privileges.

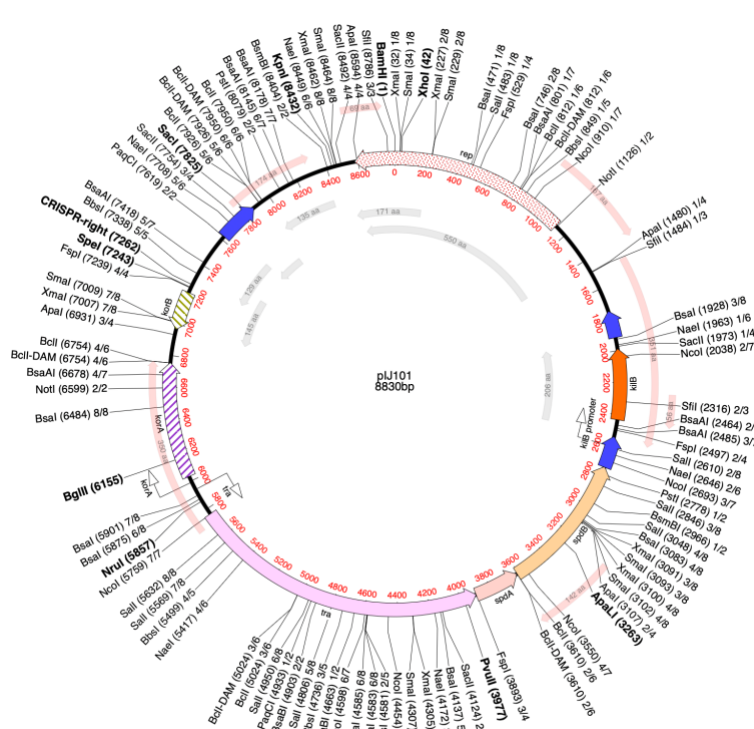
Changes for MacVector 26.1

New Smart Line Restriction Enzyme Display

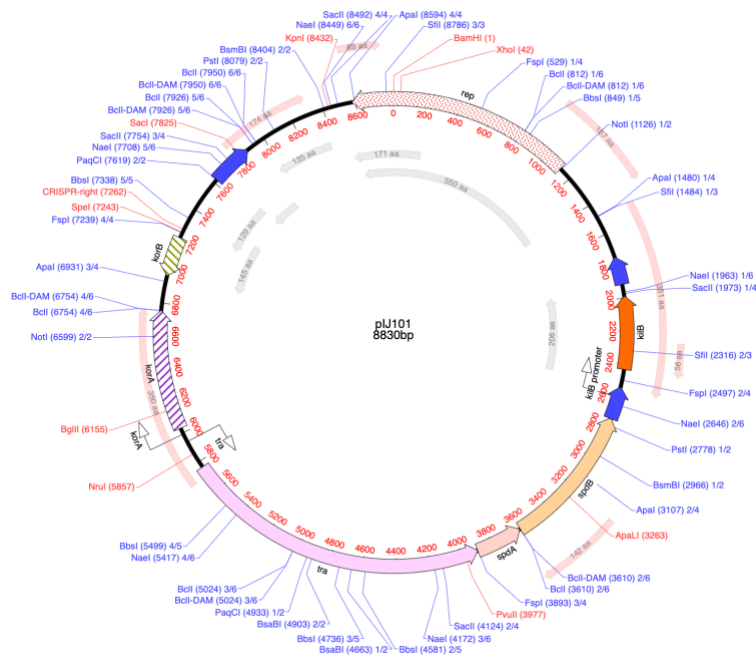
There is a new graphics display symbol called “*Smart Line*”. It is very similar to the old “*Line*” symbol type, except that it provides a much cleaner layout when used as the symbol for restriction enzymes. When you first run MacVector 26.1, you are presented with a dialog prompting you to choose one of 5 modes for displaying restriction enzymes: *Traditional*, *Smart – horizontal*, *Smart – vertical*, *Smart – traditional* and *Smart – combination*.



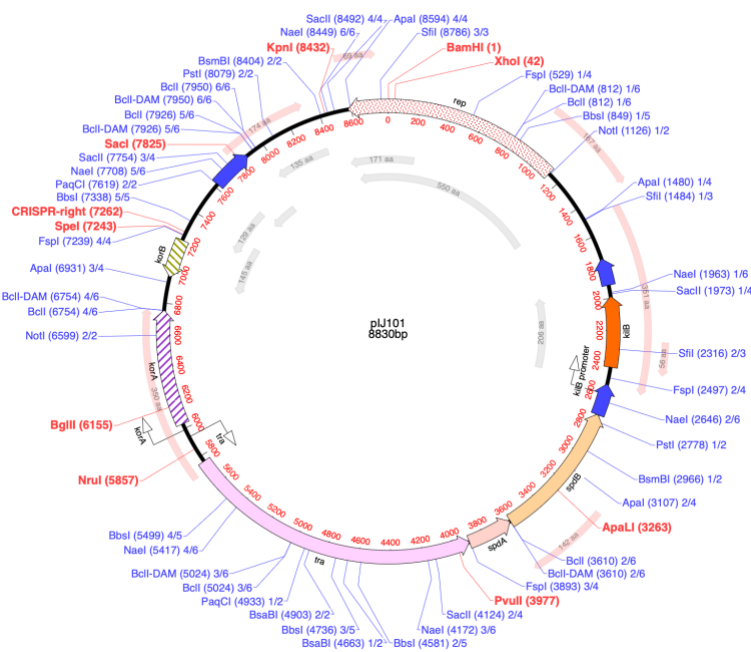
Smart - horizontal



Smart - vertical

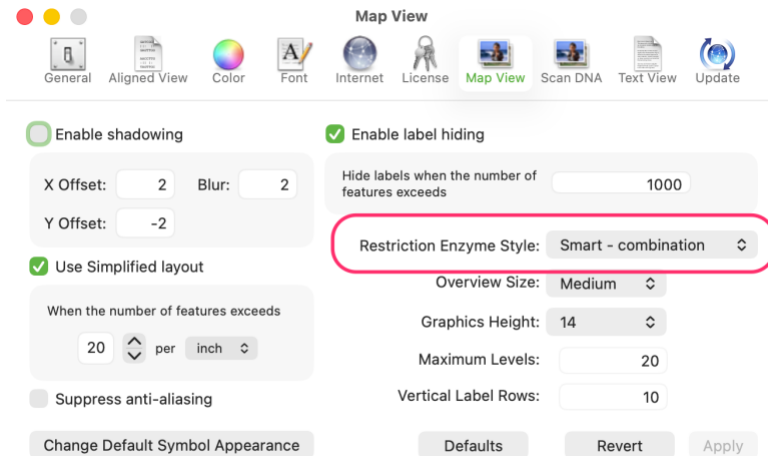


Smart – traditional



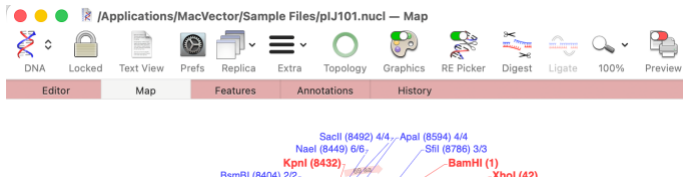
Smart – combination

The four new modes simply adjust the default symbol settings for the **Unique Restriction** and **Restriction** symbol types to use the new Smart Line type with appropriate fonts and colors. You can switch between the five preset modes at any time through the **MacVector | Settings -> Map View** pane;



Minor Enhancements and Bug Fixes

There is a new item in the **Window** menu called **Toolbar Style** that lets you select the style of window and toolbar. The choices are *Expanded*, *Preference*, *Unified* and *Compact Unified*. The *Expanded* style lays out the window with the title along the top of the window which really helps if you want to use **Window | Full Titles** to see the entire path of a file, rather than just the file name.



The **T-Coffee** multiple sequence alignment algorithm now works as expected.

You can now run a virtual amino acid alignment of multiple nucleic acid sequences even if the lengths of the target sequences are not a multiple of 3.

There have been improvements to the codon usage table parser to more readily accept data exported from the CUTG database.

Support information

For assistance with MacVector, please contact your local MacVector, Inc office. You will need a current MacVector maintenance contract to be eligible for technical support other than for basic installation or licensing problems. New sales of MacVector include 12 months of support that also entitles you to any upgrades to MacVector released during the maintenance period.

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When contacting Customer Support with a technical problem, please be prepared to give your product serial number as well as a detailed description of your problem and any error messages you encounter. Visit the MacVector Web site for details of any available updates, and any relevant information that could not be added to these release notes in time for publication:

<http://www.macvector.com>

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Software for Scientists