

RNASeqGUI Package Installation

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1 RGTK2 installation guide

RNASeqGUI package needs GTK2 libraries to run. Below, it is described how to install GTK2 libraries on Linux, Mac OS and Windows.

1.1 For Linux users

We tested RNASeqGUI on Ubuntu 12.04 (precise) 64-bit, Kernel Linux 3.2.0-37-generic, GNOME 3.4.2.

1 - Open a terminal and type:

```
sudo apt-get update
```

```
sudo apt-get install libgtk2.0-dev
```

2 - Type:

```
sudo apt-get install libcurl4-gnutls-dev
```

3 - Type:

```
sudo apt-get install libxml2-dev
```

1.2 For Mac OS users

1 - Install Xcode developer tools (at least version 5.0.1) from Apple Store (it is free).

2 - Install XQuartz-2.7.5.dmg from <http://xquartz.macosforge.org/landing/>

3 - Install GTK_2.24.17_X11.pkg from <http://r.research.att.com>.

1.3 For Windows users

1 - download `gtk+-bundle_2.22.1-20101229_win64.zip` from <http://ftp.gnome.org/pub/gnome/binaries/win64/gtk+/2.22/>.

2 - This is a bundle containing the GTK+ stack and its dependencies for Windows. To use it, create some empty folder like `C:\opt\gtk`.

3 - Unzip this bundle.

4 - Now, you have to add the bin folder to your PATH variable. Make sure you have no other versions of GTK+ in PATH variable. To do this, execute the following instructions: Open Control Panel, click on System and Security, click on System, click on Advanced System Settings, click on Environment Variables. In the Environment Variables window you will notice two columns User variables

for a user name and System variables. Change the PATH variable in the System variables to be `C:\opt\gtk\bin`.

This is all you need to install the GTK2 libraries.

2 RNASeqGUI installation

Install R version 3.1.0 (2014-04-10) "Spring Dance" from <http://cran.r-project.org/> according to your operating system.

1 - Open R.

2 - Type

```
> source("http://bioconductor.org/biocLite.R")
> biocLite("RNASeqGUI")
```

3 Session Info

- R version 3.1.0 (2014-04-10), x86_64-unknown-linux-gnu
- Locale: LC_CTYPE=en_US.UTF-8, LC_NUMERIC=C, LC_TIME=en_US.UTF-8, LC_COLLATE=en_US.UTF-8, LC_MONETARY=en_US.UTF-8, LC_MESSAGES=en_US.UTF-8, LC_PAPER=en_US.UTF-8, LC_NAME=C, LC_ADDRESS=C, LC_TELEPHONE=C, LC_MEASUREMENT=en_US.UTF-8, LC_IDENTIFICATION=C
- Base packages: base, datasets, graphics, grDevices, methods, stats, utils
- Other packages: cacheSweave 0.6-1, filehash 2.2-2, stashR 0.3-5
- Loaded via a namespace (and not attached): BiocStyle 1.3.0, digest 0.6.4, tools 3.1.0