

Installation information

The Oligonucleotide Sensing Ribozyme Generator and the Inverse Folding Oligonucleotide-sensing Generator utilize the **Perl/Tk** module and the ViennaRNA **package**.

- Installation information for the ViennaRNA package can be found at the web page of the Institute for Theoretical Chemistry of the University of Vienna:

[TBI - ViennaRNA Package 2 \(univie.ac.at\)](http://tbi.univie.ac.at/ViennaRNA/Package2)

Note: You may be asked to install the C compiler for Ubuntu OS 20.04 to install the ViennaRNA package.

To install the compiler

1. Open the Terminal window in Ubuntu 20.04
2. Write in the command line: “sudo apt-get update -y” (will ask for administrator password due to the sudo command)
3. After it runs the command, write:” sudo apt-get install -y” c-compiler

To install the Tk module needed for the programs interface:

1. Open the terminal window in Ubuntu.
2. Write in the command line: “sudo apt-get update”
3. After it runs the get update command, write: “sudo apt-get install perl-tk”

This will install the Perl Tk module in the Ubuntu system.

Installing the xmgrace in Ubuntu 20.04

If you want to use the xmgrace program to visualize the mountain plot .xvg format mountain plot files.

1. Open the terminal window in Ubuntu.
2. Write in the command line: “sudo apt-get update”
3. After it runs the get update command, write: sudo apt-get install grace.

To open the xvg file, right click on the file choose “Open with other application” and select the Grace application

