

# Package: crisprVerse (via r-universe)

May 31, 2026

**Title** Easily install and load the crisprVerse ecosystem for CRISPR gRNA design

**Version** 1.14.0

**Description** The crisprVerse is a modular ecosystem of R packages developed for the design and manipulation of CRISPR guide RNAs (gRNAs). All packages share a common language and design principles. This package is designed to make it easy to install and load the crisprVerse packages in a single step. To learn more about the crisprVerse, visit <https://www.github.com/crisprVerse>.

**Depends** R (>= 4.2.0)

**Imports** BiocManager, cli, crisprBase, crisprBowtie, crisprScore, crisprScoreData, crisprDesign, crisprViz, rlang, tools, utils

**Suggests** BiocStyle, knitr, testthat

**biocViews** CRISPR, FunctionalGenomics, GeneTarget

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.3.3

**VignetteBuilder** knitr

**BugReports** <https://github.com/crisprVerse/crisprVerse/issues>

**URL** <https://github.com/crisprVerse/crisprVerse>

**Config/pak/sysreqs** cmake make libbz2-dev libicu-dev libjpeg-dev liblzma-dev libpng-dev libuv1-dev libxml2-dev libssl-dev python3 libx11-dev xz-utils zlib1g-dev

**Repository** <https://bioc-release.r-universe.dev>

**Date/Publication** 2026-04-28 12:58:51 UTC

**RemoteUrl** <https://github.com/bioc/crisprVerse>

**RemoteRef** RELEASE\_3\_23

**RemoteSha** 0e1a293711bf76f7457d91f50300c4809815d7c9

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| crisprVerse_deps | <i>List all crisprVerse dependencies</i> |
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### Description

List all crisprVerse dependencies

### Usage

```
crisprVerse_deps(recursive = FALSE)
```

### Arguments

`recursive` If TRUE, will also list all dependencies of crisprVerse packages.

### Value

A data.frame describing crisprVerse dependencies

### Examples

```
if (interactive()){
  crisprVerse_deps()
}
```

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|                      |   |
|----------------------|---|
| crisprVerse_packages | <i>List all packages in the crisprVerse</i> |
|----------------------|---|

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### Description

List all packages in the crisprVerse

### Usage

```
crisprVerse_packages(include_self = TRUE)
```

### Arguments

`include_self` Include crisprVerse in the list?

**Value**

A character vector of packages in the *crisprVerse*

**Examples**

```
crisprVerse_packages()
```

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`crisprVerse_update`      *Update crisprVerse packages*

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**Description**

This will check to see if all *crisprVerse* packages (and optionally, their dependencies) are up-to-date, and will install after an interactive confirmation.

**Usage**

```
crisprVerse_update(recursive = FALSE)
```

**Arguments**

`recursive`      If TRUE, will also list all dependencies of *crisprVerse* packages.

**Value**

Print messages to console as a side effect.

**Examples**

```
if (interactive()){  
  crisprVerse_update()  
}
```

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