Package: crisprVerse (via r-universe)

November 1, 2026

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

Version 1.15.0

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

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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.r-universe.dev

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RemoteUrl https://github.com/bioc/crisprVerse

RemoteRef HEAD

RemoteSha ea486aaaca08aaa1905b6003d2b13340c83b6d05

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`crisprVerse_deps` *List all crisprVerse dependencies*

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()
}
```

`crisprVerse_packages` *List all packages in the crisprVerse*

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()
```

`crisprVerse_update` *Update crisprVerse packages*

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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