

# Package: glycoverse (via r-universe)

May 26, 2026

**Title** Easy Install and Load the `Glycoverse`

**Version** 0.3.1

**Description** The 'glycoverse' is a set of packages that together form a comprehensive pipeline for glycomics and glycoproteomics data analysis. This package is designed to make it easy to install and load multiple 'glycoverse' packages in a single step.

**License** MIT + file LICENSE

**Suggests** knitr, rmarkdown, testthat (>= 3.0.0), tidyverse, limma, factoextra, clusterProfiler, org.Hs.eg.db, missForest, glyfun

**Imports** cli, dplyr, purrr, rlang, rstudioapi, tibble, glyclean (>= 0.9.1), glydet (>= 0.6.5), glyexp (>= 0.10.4), glymotif (>= 0.11.2), glyparse (>= 0.5.3), glyread (>= 0.8.2), glyrepr (>= 0.9.0), glystats (>= 0.5.5), glyvis (>= 0.4.1), glydraw (>= 0.1.0), pak, BiocManager, checkmate

**Config/testthat/edition** 3

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.3

**URL** <https://glycoverse.github.io/glycoverse/>

**Depends** R (>= 4.1)

**VignetteBuilder** knitr

**Config/pak/sysreqs** cmake libglpk-dev make libicu-dev libpng-dev libuv1-dev libxml2-dev libssl-dev libx11-dev zlib1g-dev

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

**Date/Publication** 2026-05-21 08:05:27 UTC

**RemoteUrl** <https://github.com/glycoverse/glycoverse>

**RemoteRef** v0.3.1

**RemoteSha** b88ecc8d16946de94b5bac8069574b73333e5233

## Contents

glycoverse_conflicts . . . . .	2
glycoverse_deps . . . . .	2
glycoverse_packages . . . . .	3
glycoverse_sitrep . . . . .	3
glycoverse_update . . . . .	4

<b>Index</b>	<b>5</b>
--------------	----------

---

glycoverse\_conflicts    *Conflicts between the glycoverse and other packages*

---

### Description

This function lists all the conflicts between packages in the glycoverse and other packages that you have loaded.

### Usage

```
glycoverse_conflicts(only = NULL)
```

### Arguments

`only`                    Set this to a character vector to restrict to conflicts only with these packages.

### Details

There are four conflicts that are deliberately ignored: `intersect`, `union`, `setequal`, and `setdiff` from `dplyr`. These functions make the base equivalents generic, so shouldn't negatively affect any existing code.

### Examples

```
glycoverse_conflicts()
```

---

glycoverse\_deps            *List all glycoverse dependencies*

---

### Description

List all glycoverse dependencies

### Usage

```
glycoverse_deps(recursive = FALSE, repos = getOption("repos"))
```

**Arguments**

- `recursive` If TRUE, will also list all dependencies of glycoverse packages.
- `repos` The repositories to use to check for updates. Defaults to `getOption("repos")`.

---

`glycoverse_packages` *List all packages in the glycoverse*

---

**Description**

List all packages in the glycoverse

**Usage**

```
glycoverse_packages(include_self = TRUE)
```

**Arguments**

- `include_self` Include glycoverse in the list?

**Examples**

```
glycoverse_packages()
```

---

`glycoverse_sitrep` *Get a situation report on the glycoverse*

---

**Description**

This function gives a quick overview of the versions of R and RStudio as well as all glycoverse packages. It's primarily designed to help you get a quick idea of what's going on when you're helping someone else debug a problem.

**Usage**

```
glycoverse_sitrep()
```

---

glycoverse\_update      *Update glycoverse packages*

---

### Description

This checks r-universe for all glycoverse packages (and optionally, their dependencies) and reports which ones have newer versions available. You can then choose to update automatically or get manual instructions.

### Usage

```
glycoverse_update(  
  recursive = FALSE,  
  repos = getOption("repos"),  
  dev_to_latest = NULL  
)
```

### Arguments

recursive	If TRUE, will also list all dependencies of glycoverse packages.
repos	The repositories to use to check for updates. Defaults to <code>getOption("repos")</code> .
dev_to_latest	If TRUE, replace development versions (versions with a 4th component $\geq 9000$ , e.g., <code>0.1.0.9000</code> ) with the latest release versions. If FALSE, keep development versions as-is. If NULL (the default), and in interactive mode, the user will be prompted. In non-interactive mode, NULL defaults to FALSE.

### Examples

```
## Not run:  
glycoverse_update()  
  
## End(Not run)
```

# Index

glycoverse\_conflicts, 2  
glycoverse\_deps, 2  
glycoverse\_packages, 3  
glycoverse\_sitrep, 3  
glycoverse\_update, 4