

Package ‘tidyomics’

April 10, 2025

Title Easily install and load the tidyomics ecosystem

Version 1.3.0

Description The tidyomics ecosystem is a set of packages for ‘omic data analysis that work together in harmony; they share common data representations and API design, consistent with the tidyverse ecosystem. The tidyomics package is designed to make it easy to install and load core packages from the tidyomics ecosystem with a single command.

License MIT + file LICENSE

URL <https://github.com/tidyomics/tidyomics>

BugReports <https://github.com/tidyomics/tidyomics/issues>

Depends R (>= 4.2)

Imports tidySummarizedExperiment, tidySingleCellExperiment, tidyseurat, tidybulk, plyranges, nullranges, purrr, rlang, stringr, cli, utils

Suggests tidyr, dplyr, tibble, ggplot2, mockr (>= 0.2.0), knitr (>= 1.41), rmarkdown (>= 2.20), testthat (>= 3.1.6)

VignetteBuilder knitr

Biarch true

biocViews AssayDomain, Infrastructure, RNASeq, DifferentialExpression, GeneExpression, Normalization, Clustering, QualityControl, Sequencing, Transcription, Transcriptomics

Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.3.1

git_url <https://git.bioconductor.org/packages/tidyomics>

git_branch devel

git_last_commit b8e3de3

git_last_commit_date 2024-10-29

Repository Bioconductor 3.21

Date/Publication 2025-04-09

Author Stefano Mangiola [aut, cre] (ORCID: <https://orcid.org/0000-0001-7474-836X>),
 Michael Love [aut] (ORCID: <https://orcid.org/0000-0001-8401-0545>),
 William Hutchison [aut] (ORCID: <https://orcid.org/0009-0001-6242-4269>)

Maintainer Stefano Mangiola <mangiolastefano@gmail.com>

Contents

tidyomics_conflicts	2
tidyomics_packages	3
Index	4

tidyomics_conflicts *Conflicts between the tidyomics and other packages*

Description

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

Usage

```
tidyomics_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.

Value

All conflicts between tidyomics packages and other packages that you have loaded.

Examples

```
tidyomics_conflicts()
```

tidyomics_packages *List all packages loaded by the tidyomics metapackage*

Description

List all packages loaded by the tidyomics metapackage

Usage

```
tidyomics_packages(include_self = TRUE)
```

Arguments

include_self Include tidyomics in the list?

Value

All packages loaded by the tidyomics metapackage.

Examples

```
tidyomics_packages()
```

Index

`tidyomics_conflicts`, [2](#)
`tidyomics_packages`, [3](#)