

Package ‘tidyomics’

November 17, 2025

Title Easily install and load the tidyomics ecosystem

Version 1.7.0

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,
tidySpatialExperiment, tidyseurat, plyranges, purrr, rlang,
stringr, cli,

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

VignetteBuilder knitr

Biarch true

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

Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.3.3

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

git_branch devel

git_last_commit 4528d62

git_last_commit_date 2025-10-29

Repository Bioconductor 3.23

Date/Publication 2025-11-16

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	2
tidyomics_conflicts	3
tidyomics_packages	3
Index	5

tidyomics	<i>tidyomics</i>
-----------	------------------

Description

A helper package to install and attach the core packages of the tidyomics ecosystem.

Usage

tidyomics()

Value

No value is returned

Examples

```
## Not run:  
# Install the core packages of the tidyomics ecosystem  
BiocManager::install("tidyomics")  
  
# Attach the core packages of the tidyomics ecosystem  
library(tidyomics)  
  
## End(Not run)
```

tidyomics_conflicts	<i>Conflicts between the tidyomics and other packages</i>
---------------------	---

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	<i>List all packages loaded by the tidyomics metapackage</i>
--------------------	--

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, [2](#)

tidyomics_conflicts, [3](#)

tidyomics_packages, [3](#)