

# Package ‘tidyomics’

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**Title** Easily install and load the tidyomics ecosystem

**Version** 1.9.0

**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.

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**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>

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**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>

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## 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)
```

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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*

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**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()
```

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