

# Package: prism2R (via r-universe)

June 1, 2026

**Title** Read Prism Tables Into R

**Version** 0.1.0

**Description** This package provides functions to read and parse GraphPad Prism files (.pzfx or .prism) into R data frames, enabling users to analyse and manipulate their data within the R environment. It currently consists of two functions - ``get_table_names`` and ``read_prism``, both of which take the file path to a prism file as input and output either the table names or the table contents themselves.

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**Encoding** UTF-8

**LazyData** true

**Imports** archive, jsonlite, readr, tibble, xml2

**Suggests** knitr, rmarkdown, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**VignetteBuilder** knitr

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

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**RemoteUrl** <https://github.com/Biomiha/prism2R>

**RemoteRef** V0.1

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get\_analysis\_tables     *Get preferred analysis tables from a .prism file*

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**Description**

Get preferred analysis tables from a .prism file

**Usage**

```
get_analysis_tables(prism_file)
```

**Arguments**

prism\_file     The path to the prism file

**Value**

A named list of data.frames with model parameters

**Examples**

```
# prism_file is the file path to the .prism file. Analysis data tables in Prism can include multiple (quite often hidden)
# One of these is usually designated as the preferred tab and this is returned as a list object, commonly a data.frame
demo_file <- system.file("extdata", "demo_dataset.prism", package = "pRism")
get_analysis_tables(demo_file)
```

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get\_table\_names     *Get the names of the prism data tables*

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**Description**

Get the names of the prism data tables

**Usage**

```
get_table_names(prism_file)
```

**Arguments**

prism\_file     The path to the prism file

**Value**

A vector of table names

### Examples

```
# prism_file is the file path to the prism file. It needs to either be a .pzfx or a .prism file.
demo_file <- system.file("extdata", "demo_dataset.prism", package = "pRism")
get_table_names(demo_file)
```

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read_prism	<i>Read prism data tables into R</i>
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### Description

Read prism data tables into R

### Usage

```
read_prism(prism_file, sheet = NA)
```

### Arguments

prism_file	a string - the path to the prism file
sheet	Which table to read in. sheet can either be a number (the index of the table), a character string from the <a href="#">get_table_names</a> output or NA (default), in which case all tables in the file are read.

### Value

A data.frame that tries to reproduce the data table output in prism or a named list of data.frames.

### Examples

```
# prism_file is the file path to the prism file. It needs to either be a .pzfx or a .prism file.
demo_file <- system.file("extdata", "demo_dataset.prism", package = "pRism")
read_prism(demo_file, sheet = 1) # This will read only the first data table.
read_prism(demo_file, sheet = "XY: Entering replicate data") # This will read the selected data table.
read_prism(demo_file, sheet = NA) # This will read all data tables in the file.
```

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