

# Package ‘prqlr’

January 29, 2025

**Title** R Bindings for the 'prqlc' Rust Library

**Description** Provides a function to convert 'PRQL' strings to 'SQL' strings.  
Combined with other R functions that take 'SQL' as an argument,  
'PRQL' can be used on R.

**Version** 0.10.0

**URL** <https://prql.github.io/prqlc-r/>, <https://github.com/PRQL/prqlc-r>

**BugReports** <https://github.com/PRQL/prqlc-r/issues>

**Depends** R (>= 4.2)

**Suggests** knitr (>= 1.44), rmarkdown, DBI, glue, RSQLite, tidyquery,  
sqldf, nycflights13, dplyr, testthat (>= 3.2.0), patrick (>=  
0.3.0), withr, cli

**License** MIT + file LICENSE

**Language** en-US

**Encoding** UTF-8

**RoxygenNote** 7.3.2

**SystemRequirements** Cargo (Rust's package manager), rustc

**VignetteBuilder** knitr

**Config/testthat/edition** 3

**Config/Needs/dev** brio, devtools, xfun (>= 0.44), lintr, styler, purrr,  
RcppTOML, readr, tidyr, rhub

**Config/Needs/website** pkgdown

**Config/prqlr/LibVersion** 0.13.1

**NeedsCompilation** yes

**Author** Tatsuya Shima [aut, cre],  
Authors of the dependency Rust crates [aut] (see inst/AUTHORS file for  
details)

**Maintainer** Tatsuya Shima <ts1s1andn@gmail.com>

**Repository** CRAN

**Date/Publication** 2025-01-29 09:30:05 UTC

## Contents

prql_compile . . . . .	2
prql_get_targets . . . . .	3
prql_version . . . . .	4
<b>Index</b>	<b>5</b>

---

prql_compile	<i>Compile a PRQL query into a SQL query</i>
--------------	--

---

### Description

Compile a PRQL query into a SQL query

### Usage

```
prql_compile(
  prql_query,
  target = getOption("prqlr.target", default = NULL),
  ...,
  format = getOption("prqlr.format", default = TRUE),
  signature_comment = getOption("prqlr.signature_comment", default = TRUE),
  display = getOption("prqlr.display", default = "plain")
)
```

### Arguments

prql_query	A character of PRQL query.
target	A character of the target name to use or NULL. If NULL, the target contained in the query will be used. All available target names can be listed with the <a href="#">prql_get_targets()</a> function.
...	Ignored.
format	A logical flag (default: TRUE). Whether to format the SQL query.
signature_comment	a logical flag. (default: TRUE). Whether to add a signature comment to the output SQL query.
display	A character, one of "plain" (default) or "ansi_color". If "ansi_color", error will be displayed with ANSI color.

### Value

A character of the compiled SQL query.

**Examples**

```
"from mtcars | filter cyl > 6 | select {cyl, mpg}" |>
  prql_compile()

"from mtcars | filter cyl > 6 | select {cyl, mpg}" |>
  prql_compile(format = FALSE, signature_comment = FALSE)

"
from mtcars
filter cyl > 6
select !{cyl}
" |>
  prql_compile("sql.duckdb") |>
  cat()

# If the `target` argument is `NULL` (default) or `"sql.any"`,
# the target specified in the header of the query will be used.
"
prql target:sql.duckdb

from mtcars
filter cyl > 6
select !{cyl}
" |>
  prql_compile() |>
  cat()
```

---

prql\_get\_targets

*Get available target names*

---

**Description**

Get available target names for the `target` option of the `prql_compile()` function.

**Usage**

```
prql_get_targets()
```

**Value**

a character vector of target names.

**Examples**

```
prql_get_targets()
```

---

<code>prql_version</code>	<i>prqlc's version</i>
---------------------------	------------------------

---

**Description**

prqlc's version

**Usage**

```
prql_version()
```

**Value**

a [numeric\\_version](#) with the version of the built-in prqlc.

**Examples**

```
prql_version()
```

# Index

`numeric_version`, 4

`prql_compile`, 2

`prql_compile()`, 3

`prql_get_targets`, 3

`prql_get_targets()`, 2

`prql_version`, 4