

Package ‘Rhtslib’

February 3, 2023

Title HTSlib high-throughput sequencing library as an R package

Description This package provides version 1.15.1 of the 'HTSlib' C library for high-throughput sequence analysis. The package is primarily useful to developers of other R packages who wish to make use of HTSlib. Motivation and instructions for use of this package are in the vignette, `vignette(package = "Rhtslib", "Rhtslib")`.

biocViews DataImport, Sequencing

URL <https://bioconductor.org/packages/Rhtslib>, <http://www.htslib.org/>

BugReports <https://github.com/Bioconductor/Rhtslib/issues>

Version 2.0.0

License LGPL (>= 2)

Copyright Unless otherwise noted in the file, all files outside `src/htslib-1.15.1` or `inst/include` copyright Bioconductor; for files inside `src/htslib-1.15.1` or `inst/include`, see file `src/htslib-1.15.1/LICENSE`.

Encoding UTF-8

Imports zlibbioc

LinkingTo zlibbioc

Suggests knitr, rmarkdown, BiocStyle

SystemRequirements libbz2 & liblzma & libcurl (with header files), GNU make

StagedInstall no

VignetteBuilder knitr

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

git_branch RELEASE_3_16

git_last_commit 1757333

git_last_commit_date 2022-11-01

Date/Publication 2023-02-03

Author Nathaniel Hayden [led, aut],
 Martin Morgan [aut],
 Hervé Pagès [aut, cre]

Maintainer Hervé Pagès <hpages.on.github@gmail.com>

R topics documented:

Rhtslib-package	2
pkgconfig	3
Index	4

Rhtslib-package	<i>An R packaged HTSlib 1.15.1</i>
-----------------	------------------------------------

Description

This package is interesting to package developers only, and provides a compiled HTSlib for developers to use in their own packages. See the vignette for instructions on use.

Details

Instructions for use are in the vignette, available with `browseVignettes(package="Rhtslib")`

Author(s)

Nathaniel Hayden nhayden@fredhutch.org

References

The HTSlib included in the package is based on release 1.15.1 of HTSlib found at <https://github.com/samtools/htslib/releases/>

See Also

[pkgconfig](#)

Examples

```
packageDescription('Rhtslib')
Rhtslib:::htsVersion()
```

`pkgconfig`*Compiler configuration arguments for use of Rhtslib*

Description

This function returns values for `PKG_LIBS` and `PKG_CPPFLAGS` variables for use in Makevars files. See `vignette("Rhtslib")` for details. The environment variable `RHTSLIB_RPATH` can be used to over-ride the inferred location of the installed package.

Usage

```
pkgconfig(opt = c("PKG_LIBS", "PKG_CPPFLAGS"))
```

Arguments

`opt` A scalar character from the list of available options; default is `PKG_LIBS`.

Value

NULL; prints the corresponding value to stdout.

Author(s)

Nathaniel Hayden <mailto:nhayden@fredhutch.org>

Examples

```
pkgconfig("PKG_LIBS")  
pkgconfig("PKG_CPPFLAGS")
```

Index

* **manip**

pkgconfig, [3](#)

* **package**

Rhtslib-package, [2](#)

htsVersion (Rhtslib-package), [2](#)

pkgconfig, [2](#), [3](#)

Rhtslib (Rhtslib-package), [2](#)

Rhtslib-package, [2](#)