Package 'Rhtslib'

April 1, 2025

Title HTSlib high-throughput sequencing library as an R package

Description This package provides version 1.18 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 3.2.0

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src/htslib-1.18 or inst/include copyright Bioconductor; for
files inside src/htslib-1.18 or inst/include, see file
src/htslib-1.18/LICENSE.

Encoding UTF-8

Imports tools, 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_20

git_last_commit 3add51c

git_last_commit_date 2024-10-29

Repository Bioconductor 3.20

Date/Publication 2025-03-31

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Rhtslib-package   *An R packaged HTSlib 1.18*

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")

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References

The HTSlib included in the package is based on release 1.18 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 prints 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

The function prints the PKG_LIBS or PKG_CPPFLAGS value and returns an invisible NULL.

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Examples

```
pkgconfig("PKG_LIBS")

pkgconfig("PKG_CPPFLAGS")
```

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