

# Package ‘Rhtslib’

October 16, 2018

**Type** Package

**Title** HTSlib high-throughput sequencing library as an R package

**Version** 1.12.1

**Description** This package provides version 1.7 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")`.

**License** LGPL (>= 2)

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**LazyLoad** yes

**Imports** zlibbioc

**LinkingTo** zlibbioc

**Suggests** BiocStyle, knitr

**VignetteBuilder** knitr

**URL** <https://github.com/nhayden/Rhtslib>, <http://www.htslib.org/>

**BugReports** <https://github.com/nhayden/Rhtslib>

**biocViews** DataImport, Sequencing

**git\_url** <https://git.bioconductor.org/packages/Rhtslib>

**git\_branch** RELEASE\_3\_7

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Rhtslib-package	<i>An R packaged HTSlib 1.7</i>
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**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)**

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**References**

The HTSlib included in the package is based on release 1.7 of HTSlib found in the GitHub repository at <https://github.com/samtools/htslib>

**See Also**

[pkgconfig](#)

**Examples**

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

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pkgconfig	<i>Compiler configuration arguments for use of Rhtslib</i>
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**Description**

This function returns values for `PKG_LIBS` and `PKG_CPPFLAGS` variables for use in Makevars files. See `vignette("Rhtslib", "Rhtslib")` for details. Only `PKG_LIBS` should be needed in most cases. 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")
```

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