

# Package ‘Rhtslib’

May 25, 2024

**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** 3.1.0

**License** LGPL (>= 2)

**Copyright** Unless otherwise noted in the file, all files outside `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>

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Rhtslib-package	<i>An R packaged HTSlib 1.18</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)

Nathaniel Hayden [nhayden@fredhutch.org](mailto:nhayden@fredhutch.org)

### 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*

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### **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.

### **Author(s)**

Nathaniel Hayden <mailto:nhayden@fredhutch.org>

### **Examples**

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

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

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