

BSgenome.Creinhardtii.JGI.v5.6

June 3, 2026

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Full genome sequences for Chlamydomonas reinhardtii (v5.6)

Description

Full genome sequences for *Chlamydomonas reinhardtii* (v5.6) as provided by JGI and stored in Biostrings objects. The data in this package is public. See `'citation("BSgenome.Creinhardtii.JGI.v5.6")'` for how to cite in publications.

Note

This BSgenome data package was made from the following source data files:

Creinhardtii_281_v5.0.fa.gz from https://phytozome-next.jgi.doe.gov/info/Creinhardtii_v5_6

See [?BSgenomeForge](#) and the BSgenomeForge vignette (`vignette("BSgenomeForge")`) in the **BSgenome** software package for how to make a BSgenome data package.

Author(s)

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See Also

- [BSgenome](#) objects and the [available.genomes](#) function in the **BSgenome** software package.
- [DNAString](#) objects in the **Biostrings** package.
- The BSgenomeForge vignette (`vignette("BSgenomeForge")`) in the **BSgenome** software package for how to make a BSgenome data package.

Examples

```
BSgenome.Creinhardtii.JGI.v5.6
genome <- BSgenome.Creinhardtii.JGI.v5.6
head(seqlengths(genome))
genome[["chromosome_1"]]

## -----
## Genome-wide motif searching
## -----
## See the GenomeSearching vignette in the BSgenome software
## package for some examples of genome-wide motif searching using
## Biostrings and the BSgenome data packages:
if (interactive())
  vignette("GenomeSearching", package="BSgenome")
```

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