

BSgenome.Hsapiens.NCBI.T2T.CHM13v2.0

January 29, 2025

BSgenome.Hsapiens.NCBI.T2T.CHM13v2.0

T2T-CHM13v2.0 assembly (Homo sapiens) wrapped in a BSgenome object

Description

The T2T-CHM13v2.0 assembly (accession GCA_009914755.4), as submitted to NCBI by the T2T Consortium, and wrapped in a BSgenome object. Companion paper: "The complete sequence of a human genome" by Nurk S, Koren S, Rhie A, Rautiainen M, et al. Science, 2022.

Note

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

GCA_009914755.4_T2T-CHM13v2.0_genomic.fna.gz from https://ftp.ncbi.nlm.nih.gov/genomes/all/GCA/009914755.4_T2T-CHM13v2.0_genomic.fna.gz

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

Author(s)

The Bioconductor Dev Team

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.Hsapiens.NCBI.T2T.CHM13v2.0
genome <- BSgenome.Hsapiens.NCBI.T2T.CHM13v2.0
head(seqlengths(genome))
genome[["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")
```

Index

* **data**

BSgenome.Hsapiens.NCBI.T2T.CHM13v2.0,
[1](#)

* **package**

BSgenome.Hsapiens.NCBI.T2T.CHM13v2.0,
[1](#)

available.genomes, [1](#)

BSgenome, [1](#)

BSgenome.Hsapiens.NCBI.T2T.CHM13v2.0,
[1](#)

BSgenome.Hsapiens.NCBI.T2T.CHM13v2.0-package
(BSgenome.Hsapiens.NCBI.T2T.CHM13v2.0),
[1](#)

BSgenomeForge, [1](#)

DNAStrng, [1](#)

Hsapiens

(BSgenome.Hsapiens.NCBI.T2T.CHM13v2.0),
[1](#)