

BSgenome.Hsapiens.NCBI.GRCh38

January 22, 2025

BSgenome.Hsapiens.NCBI.GRCh38

Full genome sequences for Homo sapiens (GRCh38)

Description

Full genome sequences for Homo sapiens (Human) as provided by NCBI (GRCh38, 2013-12-17) and stored in Biostrings objects.

Note

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

GCA_000001405.15_GRCh38_top-level.fna.gz from <ftp://ftp.ncbi.nlm.nih.gov/genbank/genomes/Eukaryotes/>

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.GRCh38
genome <- BSgenome.Hsapiens.NCBI.GRCh38
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.GRCh38, [1](#)

* **package**

BSgenome.Hsapiens.NCBI.GRCh38, [1](#)

available.genomes, [1](#)

BSgenome, [1](#)

BSgenome.Hsapiens.NCBI.GRCh38, [1](#)

BSgenome.Hsapiens.NCBI.GRCh38-package
(BSgenome.Hsapiens.NCBI.GRCh38),
[1](#)

BSgenomeForge, [1](#)

DNASTring, [1](#)

Hsapiens

(BSgenome.Hsapiens.NCBI.GRCh38),
[1](#)