BSgenome.Hsapiens.NCBI.GRCh38

April 10, 2024

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:


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"]
```

```r
# 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