

# BSgenome.Hsapiens.NCBI.GRCh38

June 19, 2024

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BSgenome.Hsapiens.NCBI.GRCh38

*Full genome sequences for Homo sapiens (GRCh38)*

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## 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
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## 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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