

# BSgenome.Hsapiens.UCSC.hg19

December 4, 2024

---

BSgenome.Hsapiens.UCSC.hg19

*Full genome sequences for Homo sapiens (UCSC version hg19, based on GRCh37.p13)*

---

## Description

Full genome sequences for Homo sapiens (Human) as provided by UCSC (hg19, based on GRCh37.p13) and stored in Biostrings objects.

## Note

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

hg19.2bit, downloaded from <https://hgdownload.cse.ucsc.edu/goldenPath/hg19/bigZips/latest/> on March 2

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.UCSC.hg19
genome <- BSgenome.Hsapiens.UCSC.hg19
head(seqlengths(genome))
genome$chr1 # same as genome[["chr1"]]

## -----
## 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.UCSC.hg19, [1](#)

\* **package**

BSgenome.Hsapiens.UCSC.hg19, [1](#)

available.genomes, [1](#)

BSgenome, [1](#)

BSgenome.Hsapiens.UCSC.hg19, [1](#)

BSgenome.Hsapiens.UCSC.hg19-package  
(BSgenome.Hsapiens.UCSC.hg19),  
[1](#)

BSgenomeForge, [1](#)

DNASTring, [1](#)

Hsapiens (BSgenome.Hsapiens.UCSC.hg19),  
[1](#)