BSgenome.Hsapiens.UCSC.hg38

Description

Full genome sequences for Homo sapiens (Human) as provided by UCSC (hg38, Dec. 2013) and stored in Biostrings objects.

Note

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

hg38.2bit from http://hgdownload.cse.ucsc.edu/goldenPath/hg38/bigZips/

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

Author(s)

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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.hg38
genome <- BSgenome.Hsapiens.UCSC.hg38
seqlengths(genome)
genome$chr1  # same as genome[["chr1"]]

## extract the upstream sequences

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### 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:

```r
if (interactive())
  vignette("GenomeSearching", package="BSgenome")
```
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