BSgenome.Rnorvegicus.UCSC.rn7

November 11, 2026

`BSgenome.Rnorvegicus.UCSC.rn7`

Full genome sequences for Rattus norvegicus (UCSC genome rn7)

Description

Full genome sequences for Rattus norvegicus (Rat) as provided by UCSC (genome rn7) and stored in Biostrings objects.

Note

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

`rn7.2bit, downloaded from https://hgdownload.soe.ucsc.edu/goldenPath/rn7/bigZips/ on August 24, 2021`

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.Rnorvegicus.UCSC.rn7
genome <- BSgenome.Rnorvegicus.UCSC.rn7
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")
```

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