

BSgenome.Rnorvegicus.UCSC.rn7

April 16, 2025

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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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