BSgenome.Mmusculus.UCSC.mm39

November 13, 2026

`BSgenome.Mmusculus.UCSC.mm39`
Full genome sequences for Mus musculus (UCSC genome mm39, based on GRCm39)

Description

Full genome sequences for Mus musculus (Mouse) as provided by UCSC (genome mm39, based on assembly GRCm39) and stored in Biostrings objects.

Note

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

`mm39.2bit, downloaded from https://hgdownload.soe.ucsc.edu/goldenPath/mm39/bigZips/ on August 30,`

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.Mmusculus.UCSC.mm39
genome <- BSgenome.Mmusculus.UCSC.mm39
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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