BSgenome.Mmusculus.UCSC.mm10

July 17, 2024

BSgenome.Mmusculus.UCSC.mm10

*Full genome sequences for Mus musculus (UCSC version mm10, based on GRCm38.p6)*

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**Description**

Full genome sequences for Mus musculus (Mouse) as provided by UCSC (mm10, based on GRCm38.p6) and stored in Biostrings objects.

**Note**

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

- mm10.p6.2bit, downloaded from https://hgdownload.soe.ucsc.edu/goldenPath/mm10/bigZips/p6/ on July 1st, 2021

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.mm10
genome <- BSgenome.Mmusculus.UCSC.mm10
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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