BSgenome.Celegans.UCSC.ce11

June 11, 2025

`BSgenome.Celegans.UCSC.ce11`
Full genome sequences for Caenorhabditis elegans (UCSC version ce11)

Description

Full genome sequences for Caenorhabditis elegans (Worm) as provided by UCSC (ce11, Feb. 2013) and stored in Biostrings objects.

Note

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

`ce11.2bit from http://hgdownload.soe.ucsc.edu/goldenPath/ce11/bigZips/`

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.Celegans.UCSC.ce11
genome <- BSgenome.Celegans.UCSC.ce11
head(seqlengths(genome))
genome$chrI  # same as genome[["chrI"]]

## ---------------------------------------------------------------------
## 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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