BSgenome.Amellifera.NCBI.AmelHAv3.1

April 2, 2025

`BSgenome.Amellifera.NCBI.AmelHAv3.1`
Full genome sequences for Apis mellifera (Amel_HAv3.1)

Description

Full genome sequences for Apis mellifera as provided by NCBI (assembly Amel_HAv3.1, assembly accession GCF_003254395.2) and stored in Biostrings objects.

Note

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

`GCF_003254395.2_Amel_HAv3.1_genomic.fna.gz` from `https://ftp.ncbi.nlm.nih.gov/genomes/all/GCF/003/`

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.Amellifera.NCBI.AmelHAv3.1
genome <- BSgenome.Amellifera.NCBI.AmelHAv3.1
head(seqlengths(genome))
genome[["Group1"]]

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