phastCons7way.UCSC.hg38

March 13, 2024

phastCons7way.UCSC.hg38-package

Annotation package for UCSC human phastCons scores from 7 vertebrate species

Description

This annotation package stores phastCons conservation scores from UCSC for the human genome (hg38), calculated from genome-wide multiple alignments with other 99 vertebrate species. The data are stored in the form of Rle objects and are loaded automatically as an object of class GScores. The name of the exposed object matches the name of the package and part of the filename that contained the data imported into the package. The class definition and methods to access GScores objects are found in the GenomicScores software package.

Format

phastCons7way.UCSC.hg38  GScores object containing phastCons conservation scores from UCSC for the human genome (hg38), downloaded in March 2018 from http://genome.ucsc.edu.

Author(s)

R. Castelo

Source


UCSC Genome Browser (URL: http://genome.ucsc.edu) [March, 2018, accessed]
See Also

GScores GenomicScores

Examples

library(GenomicRanges)
library(phastCons7way.UCSC.hg38)

ls("package:phastCons7way.UCSC.hg38")

phast <- phastCons7way.UCSC.hg38
phast
citation(phast)
gscores(phast, GRanges("chr7:117592326-117592330"))
Index

* data  
  phastCons7way.UCSC.hg38-package, 1

* package  
  phastCons7way.UCSC.hg38-package, 1

GenomicScores, 1, 2
GScores, 1, 2

phastCons7way.UCSC.hg38, 1
phastCons7way.UCSC.hg38
  (phastCons7way.UCSC.hg38-package), 1

phastCons7way.UCSC.hg38-package, 1

Rle, 1