phastCons100way.UCSC.hg19

February 28, 2017

phastCons100way.UCSC.hg19-package
Annotation package for UCSC human phastCons scores from 100 vertebrate species

Description
This annotation package stores phastCons conservation scores from UCSC for the human genome (hg19), 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 PhastConsDb. 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 PhastConsDb objects are found in the VariantFiltering software package.

Format
phastCons100way.UCSC.hg19 PhastConsDb object containing phastCons conservation scores from UCSC for the human genome (hg19), calculated from genome-wide multiple alignments with other 99 vertebrate species.

Author(s)
R. Castelo

Source

UCSC Genome Browser (URL: http://genome.ucsc.edu) [September, 2016, accessed]

See Also
PhastConsDb VariantFiltering
### Examples

```r
library(GenomicRanges)
library(phastCons100way.UCSC.hg19)

ls("package:phastCons100way.UCSC.hg19")

phastCons100way.UCSC.hg19
scores(phastCons100way.UCSC.hg19,
      GRanges(seqnames="chr7", IRanges(start=117232380, width=5)))
```
Index

*Topic data
  phastCons100way.UCSC.hg19-package,
  1

*Topic package
  phastCons100way.UCSC.hg19-package,
  1

phastCons100way.UCSC.hg19, 1
phastCons100way.UCSC.hg19
  (phastCons100way.UCSC.hg19-package),
  1
phastCons100way.UCSC.hg19-package, 1
PhastConsDb, 1

Rle, 1

VariantFiltering, 1