phastCons100way.UCSC.hg19

December 9, 2016

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 and downloaded in September 2016 from http://genome.ucsc.edu.

Author(s)

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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)))
```
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