fitCons.UCSC.hg19

April 26, 2017

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**fitCons.UCSC.hg19-package**

*Annotation package for UCSC human fitCons scores of fitness consequence of functional annotations*

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**Description**

This annotation package stores fitCons scores from UCSC for the human genome (hg19), corresponding to fitness consequences of functional annotations. 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**

*fitCons.UCSC.hg19*  PhastConsDb object containing fitCons conservation scores from UCSC for the human genome (hg19), downloaded in July 2016 from [http://genome-mirror.cshl.edu](http://genome-mirror.cshl.edu).

**Author(s)**

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**Source**


CSHL mirror of the UCSC Genome Browser (URL: [http://genome-mirror.cshl.edu](http://genome-mirror.cshl.edu)) [July, 2016, accessed]

**See Also**

*PhastConsDb* VariantFiltering
**Examples**

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

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

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

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

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

fitCons.UCSC.hg19, 1
fitCons.UCSC.hg19
  (fitCons.UCSC.hg19-package), 1
fitCons.UCSC.hg19-package, 1

PhastConsDb, 1

Rle, 1

VariantFiltering, 1