Package 'asciiruler'

October 12, 2022

Type Package
Title Render an ASCII Ruler
Version 0.2
Date 2018-01-29
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Description An ASCII ruler is for measuring text and is especially useful for sequence analysis. Included in this package are methods to create ASCII rulers and associated GenBank sequence blocks, multi-column text displays that make it easy for viewers to locate nucleotides by position.
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Depends R (>= 2.14)
Imports stringr
Collate 'asciiruler.R'
RoxygenNote 6.0.1
Suggests testthat
NeedsCompilation no
Repository CRAN
Date/Publication 2018-01-30 16:53:24 UTC
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	asciiruler	Generate an ascii ruler	
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Description

Usage

```
asciiruler(low = 0L, high = 50L, sparse_ticks = 5L, dense_ticks = TRUE,
  block_space = 0L, borders = FALSE, numbers_down = TRUE,
  line_break = "\n", strict_width = FALSE)

default.asciiruler(x)
```

Arguments

low	the range start, can be negative
high	the range end, can be negative
sparse_ticks	intermittent ticks appear every sparse_ticks, set to 0 to hide row
dense_ticks	display a row of ticks at every position
block_space	break up the ruler with a space every block_space blocks encountered, a multiple of sparse_ticks, set to 0 to disable
borders	display borders
numbers_down	display the ruler so the numbers are below the ticks
line_break	the line break character(s)
strict_width	hide numbers whose display would force the ruler to be wider than width(high-low)
x	the asciiruler

Value

```
asciiruler object with the following slots:

output delimited ruler string ready to cat

content vector of lines comprising the ruler

width width of ruler

leftmargin position of the first tick relative to the left edge of the ruler
```

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References

Inspired by http://codegolf.stackexchange.com/questions/4910/ascii-ruler-generation

Examples

```
asciiruler(low=-30,high=30,borders=TRUE)
```

genbank_seqblock

Generate a GenBank sequence block

Description

,

Usage

```
genbank_seqblock(string, start = 1L, end = 0L, blocksize = 10L,
width = 60L, sep = " ", line_break = "\n", ruler = TRUE, ...)
```

Arguments

the sequence string to display string the substring start, should be 1 or greater start substring end, should be >start, negative to trim end blocksize number of characters in each block width width of the sequence block space character between blocks sep line_break the line break character(s) ruler display an ascii ruler additional arguments passed to asciiruler

Value

delimited GenBank block string ready to cat

4 width

Examples

print.asciiruler

Print an asciiruler

Description

Print an asciiruler

Usage

```
## S3 method for class 'asciiruler'
print(x, ...)
```

Arguments

x the asciiruler

... additional arguments

width

Get the total width of an ascii ruler

Description

Get the total width of an ascii ruler

Usage

```
width(x, ...)
```

Arguments

x the asciiruler

... additional arguments

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