Package 'ggseqlogo'

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Type Package	
Title Beautiful and versatile sequence logos	
Version 0.0.1	
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Description ggseqlogo is versatile ggplot2 extension that allows for plotting of publication-ready sequence logos in R.	
License LGPL	
Imports ggplot2	
RoxygenNote 5.0.1	
make_col_scheme	1 2 3
Index	4
geom_logo Plots sequence logo as a layer on ggplot	

Description

Plots sequence logo as a layer on ggplot

Usage

```
geom_logo(data = NULL, method = "bits", seq_type = "auto",
namespace = NULL, font = 1, stack_width = 0.95, rev_stack_order = F,
col_scheme = "auto", low_col = "black", high_col = "yellow",
na_col = "grey20", plot = T, ...)
```

2 make_col_scheme

Arguments

Character vector of sequences or named list of sequences. All sequences must data

have same width.

Height method, can be one of "bits" or "probability" (default: "bits") method

Sequence type, can be one of "auto", "aa", "dna", "rna" or "other" (default: seq_type

"auto", sequence type is automatically guessed)

Character vector of single letters to be used for custom namespaces namespace

font Integer specifying font

stack_width Width of letter stack between 0 and 1 (default: 0.95)

rev_stack_order

If TRUE, order of letter stack is reversed (default: FALSE)

Color scheme applied to the sequence logo, can be one of the following: "auto", col_scheme

> "chemistry", "hydrophobicity", "nucleotide", "base_pairing", "clustalx", "taylor" (default: "auto", color scheme is automatically picked based on seq_type). One can also pass custom color scheme objects created with the make_col_scheme

function

low_col, high_col

Colors for low and high ends of the gradient if a quantitative color scheme is

used (default: "black" and "yellow").

na_col Color for letters missing in color scheme (default: "grey20")

If FALSE, plotting data is returned plot

Additional arguments passed to layer params

make_col_scheme Create new sequence logo color scheme

Description

Create new sequence logo color scheme

Usage

```
make_col_scheme(chars = NULL, groups = NULL, cols = NULL, values = NULL,
 name = "")
```

Arguments

chars	Vector of one letter characters
groups	Vector of groups for letters with same length as chars (optional if cols parameter

is provided)

cols Vector of colors with same length as chars (optional if values parameter is pro-

vided)

values Vector of numerical values with same length as chars

Name of color scheme name

theme_logo 3

Examples

theme_logo

ggseqlogo custom theme

Description

ggseqlogo custom theme

Usage

```
theme_logo(base_size = 14, base_family = "")
```

Arguments

base_size font base size base_family font base family

Index

```
geom_logo, 1
make_col_scheme, 2
theme_logo, 3
```