

Package ‘genomes’

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Type Package
Title Genome sequencing project metadata
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License GPL-3
Depends readr, curl
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Description Download genome and assembly reports from NCBI
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Contents

genus	1
reports	2
species	3
Index	4

genus	<i>Extract the genus name</i>
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Description

Extracts the genus name from a scientific name

Usage

genus(x)

Arguments

`x` A vector of scientific names

Details

Removes single quotes, brackets and candidate qualifiers.

Value

A vector of genus names

Author(s)

Chris Stubben

See Also

[species](#)

Examples

```
genus("[Bacillus] selenitireducens")
```

reports

Genome and assembly reports

Description

Genome and assembly reports from the NCBI genomes FTP

Usage

```
reports(file, assembly = FALSE, ...)
```

Arguments

`file` file name, if missing then the files in the FTP directory are listed
`assembly` use ASSEMBLY_REPORTS directory, default is GENOME_REPORTS
`...` additional options passed to `read_delim`

Details

Uses `read_delim` in the `readr` package to read genome or assembly reports in the genomes FTP

Value

A list of files if file name is missing, otherwise a data.frame with class `c("tbl_df", "tbl", "data.frame")`.
 If `dplyr` is loaded, then printing will return the first ten rows and not the first 10,000.

Author(s)

Chris Stubben

References

See ftp://ftp.ncbi.nih.gov/genomes/GENOME_REPORTS and ftp://ftp.ncbi.nih.gov/genomes/ASSEMBLY_REPORTS

Examples

```
reports()
## Not run:
proks <- reports("prokaryotes.txt")

## End(Not run)
```

species

Extract the species name

Description

Extracts the species name from a scientific name

Usage

```
species(x)
```

Arguments

x A vector of scientific names

Details

Removes single quotes, brackets and candidate qualifiers.

Value

A vector of species names

Author(s)

Chris Stubben

See Also

[genus](#)

Examples

```
species("Candidatus Carsonella ruddii PV")
```

Index

* **methods**

- genus, [1](#)
- reports, [2](#)
- species, [3](#)

genus, [1](#), [3](#)

reports, [2](#)

species, [2](#), [3](#)