

GeneSummary

February 19, 2025

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| GeneSummary | <i>Version and source information</i> |
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Description

Version and source information

Usage

GeneSummary

Examples

GeneSummary

| | |
|-----------------|--------------------------------|
| loadGeneSummary | <i>Load gene summary table</i> |
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Description

Load gene summary table

Usage

```
loadGeneSummary(organism = 9606,  
                status = c("reviewed", "predicted", "inferred", "validated", "provisional"))
```

Arguments

| | |
|----------|---|
| organism | Name of the organism (e.g. "Homo sapiens") or the corresponding taxon ID (e.g. 9606). |
| status | Status of the review of the genes. |

Details

The gene summaries are extracted from RefSeq database (https://ftp.ncbi.nih.gov/refseq/release/complete/*.rna.gbff.gz). Gene summaries are available in the "COMMENT" section of the *.rna.gbff.gz files.

The Perl script used to parse *.rna.gbff.gz files is available in `system.file("extdata", "parse_refseq.pl", package = "GeneSummary")`.

Value

A data frame with the following columns:

RefSeq_accession RefSeq accession. Note there is also the version number after the accession.

Organism Full organism name.

Taxon_ID Taxon ID of the organism.

Gene_ID Entrez gene ID.

Review_status Status of the review of the gene.

Gene_summary A long description of the gene.

Examples

```
df = loadGeneSummary(9606)
dim(df)
head(df)
```

```
print.GeneSummary_info
```

Print the GeneSummary_info object

Description

Print the GeneSummary_info object

Usage

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

Arguments

| | |
|-----|----------------------------|
| x | A GeneSummary_info object. |
| ... | Other arguments |

Value

No value is returned.

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