

Package: toprdata (via r-universe)

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Title Gene and Exon Data from Ensembl
Version 1.0.2
Description Gene and exon information from Ensembl genome builds GRCh38.p13 (104) and GRCh37 (v40) to use with the 'topr' package.
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ENSEXONS

Ensembl exons build HG38-104-5-2

Description

<https://www.ensembl.info/2021/05/05/ensembl-104-has-been-released/>

Usage

ENSEXONS

Format

A data frame with 40,122 rows and 7 variables:

chrom Chromosome on build version 38 (GRCh38/hg38)
gene_start genetic position of gene start on build version 38
gene_end genetic position of gene end on build version 38
gene_symbol The name of the gene
exon_chromstart genetic positions of exon start
exon_chromend genetic position of exon end

Details

exons on chrY and chrM were excluded from the exon dataset

ENSEXONS_37

Ensembl exons build HG37 (GRCh37) v40 from gencode

Description

exons on chrY and chrM were excluded from the exon dataset

Usage

ENSEXONS_37

Format

A data frame with 62,739 rows and 7 variables:

chrom Chromosome on build version 38 (GRCh38/hg38)
gene_start genetic position of gene start on build version 38
gene_end genetic position of gene end on build version 38
gene_symbol The name of the gene
exon_chromstart genetic positions of exon start
exon_chromend genetic position of exon end

ENSGENES

Ensembl genes build HG38.104-5-2

Description

<https://www.ensembl.info/2021/05/05/ensembl-104-has-been-released/>

Usage

ENSGENES

Format

A data frame with 40,122 rows and 5 variables:

chrom Chromosome on build version 38 (GRCh38/hg38)

gene_start genetic position of gene start on build version 38

gene_end genetic position of gene end on build version 38

gene_symbol The name of the gene

biotype the biotype of the gene

Details

genes on chrY and chrM were excluded

ENSGENES_37

Ensembl genes build HG37 (GRCh37) v40 from gencode

Description

genes on chrY and chrM were excluded

Usage

ENSGENES_37

Format

A data frame with 62,743 rows and 5 variables:

chrom Chromosome on build version 38 (GRCh38/hg38)

gene_start genetic position of gene start on build version 38

gene_end genetic position of gene end on build version 38

gene_symbol The name of the gene

biotype the biotype of the gene

toprdata

toprdata

Description

Gene and exon datasets to use with the 'topr' package

datasets

The two datasets are:

- [ENSGENES](#) Gene information from genome build GRCh38
- [ENSEXONS](#) Exon information from genome build GRCh38
- [ENSGENES_37](#) Gene information from genome build GRCh37
- [ENSEXONS_37](#) Exon information from genome build GRCh37

Examples

```
library(toprdata)
head(ENSGENES)
head(ENSEXONS)
```

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