TxDb.Athaliana.Ensembl.TAIR10

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`TxDb.Athaliana.Ensembl.TAIR10`
Annotation package for TxDb object(s)

Description

TxDb.Athaliana.Ensembl.TAIR10 provides transcript, exon, and CDS annotations for Arabidopsis thaliana based on the TAIR10 reference genome. It is a Bioconductor TxDb object built from the Ensembl Plants GFF3 annotation (release 63).

The package provides genomic coordinates and transcript models that can be accessed using GenomicFeatures accessors such as genes(), transcripts(), exonsBy(), and cdsBy().

Note

This data package was built from the Ensembl Plants GFF3 annotation (release 63) for Arabidopsis thaliana using the TAIR10 reference genome. The annotation includes the five nuclear chromosomes and the mitochondrial and plastid sequences.

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See Also

genes, transcripts, transcriptsBy, exonsBy, cdsBy

Examples

```
## The TxDb object is downloaded from AnnotationHub, so this example is
## only run when AnnotationHub is installed and the resource is
## reachable.
if (requireNamespace("AnnotationHub", quietly=TRUE)) {
    txdb <- tryCatch({
        ah <- AnnotationHub::AnnotationHub()
        ah[["AH122287"]]
    }, error=function(e) NULL)

    if (!is.null(txdb)) {
        txdb
```

```
        ## retrieve all genes
        GenomicFeatures::genes(txdb)
    }
}
```

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