

Resource Summary Report

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Drosophila melanogaster Exon Database

RRID:SCR_013441

Type: Tool

Proper Citation

Drosophila melanogaster Exon Database (RRID:SCR_013441)

Resource Information

URL: <http://proline.bic.nus.edu.sg/dedb/>

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Description: Database on Drosophila melanogaster exons presented in a splicing graph form. Data is based on release 3.2 of the Drosophila melanogaster genome annotations available at FlyBase. The gene structure information extracted from the annotations were checked, clustered and transformed into splicing graph. The splicing graph form of the gene constructs were then used for classification of the various types of alternative splicing events. In addition, Pfam domains were mapped onto the gene structure. Users can query the database using the query page using BLAST, FlyBase Gene Name, FlyBase Gene Symbol, Pfam Accession Number and Pfam Identifier. This allows users to determine the Drosophila melanogaster homology of their gene using a BLAST search and to visualize the alternative splicing variants if any. Users can also determine genes containing a particular domain using the Pfam Accession Numbers and Identifiers.

Abbreviations: DEDB

Synonyms: DEDB - Drosophila melanogaster Exon Database, DEDB : Drosophila melanogaster Exon Database

Resource Type: data or information resource, database

Defining Citation: [PMID:15581431](#)

Keywords: exon, gene, alternative splicing, annotation, classification, cluster, domain, genome, graph, homology, protein, splicing, structure, transcript, visualize, blast

Funding: Agency for Science Technology and Research

Resource Name: Drosophila melanogaster Exon Database

Resource ID: SCR_013441

Alternate IDs: nif-0000-21118, OMICS_01894

Record Creation Time: 20220129T080316+0000

Record Last Update: 20260912T200211+0000

Ratings and Alerts

No rating or validation information has been found for Drosophila melanogaster Exon Database.

No alerts have been found for Drosophila melanogaster Exon Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Davis MJ, et al. (2006) Differential use of signal peptides and membrane domains is a common occurrence in the protein output of transcriptional units. PLoS genetics, 2(4), e46.

Lee BT, et al. (2004) DEDB: a database of Drosophila melanogaster exons in splicing graph form. BMC bioinformatics, 5, 189.