

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

Alternative Exon Database

RRID:SCR_008157

Type: Tool

Proper Citation

Alternative Exon Database (RRID:SCR_008157)

Resource Information

URL: <http://www.ebi.ac.uk/asd/aedb/index.html>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on March 27, 2013. A manual generated database for alternative exons and their properties from numerous species - the data is gathered from literature where these exons have been experimentally verified. Most alternative exons are cassette exons and are expressed in more than two tissues. Of all exons whose expression was reported to be specific for a certain tissue, the majority were expressed in the brain. At the moment, AEdb products that are available are sequence (a database of alternative exons), function (a database of functions attributed to constitutive and alternative exon), regulatory sequence (a database of transcript regulatory motifs), minigenes (a table of minigenes and their associations to splicing events), and diseases (a table of diseases associated with splicing and their associations to AltSplice). Alternative splicing is an important regulatory mechanism of mammalian gene expression. The alternative splicing database (ASD) consortium is systematically collecting and annotating data on alternative splicing. The continuation and upgrade of the ASD consists of computationally and manually generated data. Its largest parts are AltSplice, a value-added database of computationally delineated alternative splicing events. Its data include alternatively spliced introns/exons, events, isoform splicing patterns and isoform peptide sequences. AltSplice data are generated by examining gene-transcript alignments. The data are annotated for various biological features including splicing signals, expression states, (SNP)-mediated splicing and cross-species conservation. AEdb forms the manually curated component of ASD. It is a literature-based data set containing sequence and properties of alternatively spliced exons, functional enumeration of observed splicing events, characterization of observed splicing regulatory elements, and a collection of experimentally clarified minigene constructs.

Abbreviations: AEdb

Resource Type: data or information resource, database

Defining Citation: [PMID:16381912](#)

Keywords: element, exon, expression, gene, alignment, alternative, brain, conservation, cross-specie, disease, isoform, mechanism, minigene, pattern, peptide, regulatory, sequence, signal, splice, splicing, structure intron, tissue, transcript, nucleotide sequence, gene structure, intron, splice site, alternative splicing, sequence, alternative exon, function, constitutive exon, alternative exon, regulatory sequence, transcript regulatory motif, minigene, disease

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Alternative Exon Database

Resource ID: SCR_008157

Alternate IDs: nif-0000-21009

Record Creation Time: 20220129T080245+0000

Record Last Update: 20260729T044201+0000

Ratings and Alerts

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

No alerts have been found for Alternative Exon Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.