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Collecting splice variants

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Abstract

The Human Alternative Splicing DataBase (HASDB) contains information about many of the alternative splicing events that have so far been identified in humans.

Content

The Human Alternative Splicing DataBase (HASDB) contains information about many of the alternative splicing events that have so far been identified in humans. It has recently been estimated that 42% of human genes may have alternative splicing, indicating that the proteome may be a lot bigger than the genome. From approximately two million mRNA and expressed sequence tag (EST) sequences, 6,201 alternative splices have been identified and entered into this searchable database.

Navigation

The first stop on the website is a search engine. The user is asked to define his or her search from eight different settings (for example, gene, marker_id and so on). Once the search result is returned, you are presented with a table of links, including external links to indicators of gene and chromosomal locations (such as Genecards, Genatlas, OMIM and Genemap) as well as splicing information. Some sections will slow you down, especially if you are bringing up all the possible splice variants for a gene.

Reporter's comments

Best feature

The search engine is very simple and easy to use and the results are also easily understandable.

Worst feature

To get to the sequence of interest and find an alternative splice in my favorite gene I had to go through multiple series of links, which is tedious. A more direct link would be useful.

Wish list

A graphical image of the splice would improve the site for the casual user.

Table of links

[The Human Alternative Splicing Database](#)

References

1. [The Human Alternative Splicing Database.](#)