Resource Summary Report

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Alternate Splicing - induced ALteration of Protein Structure

RRID:SCR_007554
Type: Tool

Proper Citation

Alternate Splicing - induced ALteration of Protein Structure (RRID:SCR_007554)

Resource Information

URL: http://as-alps.nagahama-i-bio.ac.jp

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Description: This database, AS-ALPS (Alternative Splicing-induced ALteration of Protein Structure), is aimed at providing useful information to analyze effect of AS on protein interaction and network through alteration of protein structure. In AS-ALPS, regions of amino acid sequences changed by AS (AS regions) which are detected in human and mouse transcript sequences in H-InvDB, FANTOM and RefSeq, are linked to information extracted from PDB about residues forming hydrophobic cores and inter-molecular interaction sites. This makes it possible to directly infer whether protein structure and/or interaction are affected by each AS event. In addition, AS-ALPS provides links to a protein network database KEGG, making it easy to know which network and which node in the network can be influenced by AS. :Sponsors: This database was supported by a grant of the Genome Network Project from Ministry of Education, Culture, Sports, Science and Technology of Japan. :

Synonyms: AS-ALPS

Resource Type: data or information resource, database

Keywords: alternative splicing, amino acid sequence, inter-molecular interaction, protein, protein network, protein structure

Funding:

Resource Name: Alternate Splicing - induced ALteration of Protein Structure

Resource ID: SCR_007554

Alternate IDs: nif-0000-02570

Record Creation Time: 20220129T080242+0000

Record Last Update: 20250507T060508+0000

Ratings and Alerts

No rating or validation information has been found for Alternate Splicing - induced ALteration of Protein Structure.

No alerts have been found for Alternate Splicing - induced ALteration of Protein Structure.

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 NIF.

Floris M, et al. (2011) MAISTAS: a tool for automatic structural evaluation of alternative splicing products. Bioinformatics (Oxford, England), 27(12), 1625.

Shionyu M, et al. (2009) AS-ALPS: a database for analyzing the effects of alternative splicing on protein structure, interaction and network in human and mouse. Nucleic acids research, 37(Database issue), D305.