Resource Summary Report

Generated by NIF on May 20, 2025

HyBrow (Hypothesis Browser)

RRID:SCR_006272
Type: Tool

Proper Citation

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Resource Information

URL: http://www.hybrow.org/

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Description: A prototype bioinformatics tool for designing hypotheses and evaluating them for consistency with existing knowledge. It consists of a modeling framework with the ability to accommodate diverse biological information sources, an event-based ontology for representing biological processes at different levels of detail, a database to query information in the ontology, and programs to perform hypothesis design and evaluation. There are five key components involved in making HyBrow work. # The Event-based ontology for representing biological knowledge # The Discreet Event Systems based conceptual framework which provides the theory that allows us to make statements in a context free formal language (made up of the ontology) and evaluate the statements for validity using constraints declared on existing data # The rule library that provides the steps to apply those constraints and decide support, contradiction or no comment. # The relational database that stores existing information structured into the ontology. # The user interface.

Abbreviations: HyBrow

Synonyms: Hypothesis Browser, HyBrow: A prototype system for computer-aided hypothesis evaluation

Resource Type: software resource

Keywords: hypothesis, rhetorical structure

Funding:

Resource Name: HyBrow (Hypothesis Browser)

Resource ID: SCR_006272

Alternate IDs: nif-0000-06707

Record Creation Time: 20220129T080235+0000

Record Last Update: 20250519T203434+0000

Ratings and Alerts

No rating or validation information has been found for HyBrow (Hypothesis Browser).

No alerts have been found for HyBrow (Hypothesis Browser).

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Hunter L, et al. (2006) Biomedical language processing: what's beyond PubMed? Molecular cell, 21(5), 589.