# **Resource Summary Report**

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# **HyBrow (Hypothesis Browser)**

RRID:SCR 006272

Type: Tool

## **Proper Citation**

HyBrow (Hypothesis Browser) (RRID:SCR\_006272)

#### **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:** 20250410T065432+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 <u>NIF</u>.

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