Resource Summary Report

Generated by NIF on May 15, 2025

GEMB

RRID:SCR_018904

Type: Tool

Proper Citation

GEMB (RRID:SCR_018904)

Resource Information

URL: https://github.com/cochran4/GEMB

Proper Citation: GEMB (RRID:SCR_018904)

Description: Software tool to introduce gene set enrichment for mathematical biology. Measures association between disease of interest and set of genes related to biological pathway. Used for defining gene contributions based on biophysical properties, by leveraging mathematical models of biology to predict effects of genetic perturbations on particular downstream function.

Synonyms: Gene Set Enrichment for Mathematical Biology

Resource Type: software resource, data analysis software, software application, data processing software

Defining Citation: DOI:10.1101/554212

Keywords: Gene set enrichement, mathematical biology, disease and gene association, biophysical property, gene perturbation prediction, weighted gene set test, recover p-value, bio.tools

Funding:

Availability: Free, Freely available

Resource Name: GEMB

Resource ID: SCR 018904

Alternate IDs: biotools:gemb

Alternate URLs: https://bio.tools/gemb

License: GNU General Public License v3.0

Record Creation Time: 20220129T080342+0000

Record Last Update: 20250514T061846+0000

Ratings and Alerts

No rating or validation information has been found for GEMB.

No alerts have been found for GEMB.

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.

Cochran AL, et al. (2020) Gene-set Enrichment with Mathematical Biology (GEMB). GigaScience, 9(10).