

Resource Summary Report

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CMGSDB- Computational Models for Gene Silencing

RRID:SCR_007601

Type: Tool

Proper Citation

CMGSDB- Computational Models for Gene Silencing (RRID:SCR_007601)

Resource Information

URL: <https://bioinformatics.cs.vt.edu/cmgs/CMGSDB/>

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Description: CMGSDB is a database whose objective is to investigate gene silencing from a computational perspective using tools of computational biology and bioinformatics. The database is *C. elegans* centric, although the schema is suitable for any organism and can be extended with minor changes to support multiple organisms. CMGSDB contains details of genome annotation data (chromosomes, genes, coding transcripts), protein structure data (secondary structure, physical properties), microarray expression data (genomewide gene expressions for over 500 microarray experiments), RNA interference data (RNAi experiment details, phenotypes exhibited by genes in different experiments, phenotype hierarchy and associations between them), protein-protein interaction data, and gene-regulation data.

Synonyms: CMGSDB

Resource Type: data or information resource, database

Keywords: gene regulation, gene silencing, bioinformatics, *c. elegans*, computational biology, genome annotation, microarray expression, protein-protein interaction, protein structure, rnai, rna interference

Resource Name: CMGSDB- Computational Models for Gene Silencing

Resource ID: SCR_007601

Alternate IDs: nif-0000-02669

Record Creation Time: 20220129T080242+0000

Record Last Update: 20260815T182853+0000

Ratings and Alerts

No rating or validation information has been found for CMGSDB- Computational Models for Gene Silencing.

No alerts have been found for CMGSDB- Computational Models for Gene Silencing.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.