# Resource Summary Report

Generated by dkNET on Apr 16, 2025

## mCSM

RRID:SCR_010776
Type: Tool

### Proper Citation

mCSM (RRID:SCR_010776)

### Resource Information

**URL:** http://bleoberis.bioc.cam.ac.uk/mcsm

**Proper Citation:** mCSM (RRID:SCR_010776)

**Description:** Data analysis service to the study of missense mutations which relies on graph-based signatures.

**Abbreviations:** mCSM

**Synonyms:** mCSM: predicting the effect of mutations in proteins using graph-based signatures

**Resource Type:** analysis service resource, service resource, production service resource, data analysis service

**Defining Citation:** PMID:24281696

**Keywords:** mutation, protein, protein stability, protein-protein, protein-dna, data set

**Funding:**

**Resource Name:** mCSM

**Resource ID:** SCR_010776

**Alternate IDs:** OMICS_00133

**Record Creation Time:** 20220129T080300+0000

**Record Last Update:** 20250416T063610+0000

## Ratings and Alerts

No rating or validation information has been found for mCSM.

No alerts have been found for mCSM.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 74 mentions in open access literature.

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


Yuan M, et al. (2025) Prevalence of IMPG1 and IMPG2 Mutations Leading to Retinitis Pigmentosa or Vitelliform Macular Dystrophy in a Cohort of Patients with Inherited Retinal Dystrophies. Genes, 16(1).

Basrai A, et al. (2025) Computational analyses of drug resistance mutations in katG and emb complexes in Mycobacterium tuberculosis. Proteins, 93(1), 359.

Teng R, et al. (2024) Computer-Aided Design to Improve the Thermal Stability of Rhizomucor miehei Lipase. Foods (Basel, Switzerland), 13(24).

Pan C, et al. (2024) Module control of network analysis in psychopathology. iScience, 27(7), 110302.

Colbert BM, et al. (2024) The natural history and genotype-phenotype correlations of TMPRSS3 hearing loss: an international, multi-center, cohort analysis. Human genetics, 143(5), 721.

Tanshee RR, et al. (2024) A comprehensive in silico investigation into the pathogenic SNPs in the RTEL1 gene and their biological consequences. PloS one, 19(9), e0309713.

Nunes WVB, et al. (2024) A comprehensive evolutionary scenario for the origin and neofunctionalization of the Drosophila speciation gene Odysseus (OdsH). G3 (Bethesda, Md.), 14(3).

Ginatt AA, et al. (2024) A metabolic modeling-based framework for predicting trophic dependencies in native rhizobiomes of crop plants. eLife, 13.

Goutam RK, et al. (2024) Impact of Frequent ARID1A Mutations on Protein Stability: Insights into Cancer Pathogenesis. Research square.

Fasken MB, et al. (2023) A Biallelic Variant of the RNA Exosome Gene EXOSC4 Causes

Translational Defects Associated with a Neurodevelopmental Disorder. medRxiv : the preprint server for health sciences.

Su L, et al. (2023) Impact of N221S missense mutation in human ribonucleotide reductase small subunit b on mitochondrial DNA depletion syndrome. Scientific reports, 13(1), 19899.

Lin W, et al. (2023) Comparison of clinical outcomes of modified laminoplasty with preservation of muscle group inserted into C2 and C7 spinous processes versus conventional C3-C7 laminoplasty: a prospective, randomized, controlled, noninferiority trial. International journal of surgery (London, England), 109(4), 905.

Piniella D, et al. (2023) Experimental and Bioinformatic Insights into the Effects of Epileptogenic Variants on the Function and Trafficking of the GABA Transporter GAT-1. International journal of molecular sciences, 24(2).

Kahane I, et al. (2023) A mutation-level covariate model for mutational signatures. PLoS computational biology, 19(6), e1011195.

Wang Q, et al. (2023) Two SOX11 variants cause Coffin-Siris syndrome with a new feature of sensorineural hearing loss. American journal of medical genetics. Part A, 191(1), 183.

Suleman M, et al. (2023) Elucidating the binding mechanism of SARS-CoV-2 NSP6-TBK1 and structure-based designing of phytocompounds inhibitors for instigating the host immune response. Frontiers in chemistry, 11, 1346796.

Guo L, et al. (2023) Posterior endoscopic decompression combined with anterior cervical discectomy and fusion versus posterior laminectomy and fusion for multilevel cervical spondylotic myelopathy: a retrospective case-control study. BMC musculoskeletal disorders, 24(1), 578.

Jiang Q, et al. (2022) Liquid-Metal-Based Magnetic Controllable Soft Microswitch with Rapid and Reliable Response for Intelligent Soft Systems. Micromachines, 13(12).

Stephenson SEM, et al. (2022) Germline variants in tumor suppressor FBXW7 lead to impaired ubiquitination and a neurodevelopmental syndrome. American journal of human genetics, 109(4), 601.

Vieider RP, et al. (2022) The 50 most cited studies on posterior tibial slope in joint preserving knee surgery. Journal of experimental orthopaedics, 9(1), 119.