Resource Summary Report

Generated by ASWG on Aug 23, 2026

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, data analysis service, production service resource, service resource

Defining Citation: PMID:24281696

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

Resource Name: mCSM

Resource ID: SCR_010776

Alternate IDs: OMICS_00133

Record Creation Time: 20220129T080300+0000

Record Last Update: 20260821T042845+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 81 mentions in open access literature.

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

Moghaddam N, et al. (2026) Rational design of k-casein peptides to modulate GSK-3B dynamics for Alzheimer's therapy. Scientific reports, 16(1).

Akbulut E, et al. (2026) SARS-CoV-2 Spike Protein XBB.1.5 Mutations Altered Four Conserved Antigenic Determinants. International journal of molecular sciences, 27(4).

Xia L, et al. (2025) Structural insights into cationic amino acid transport and viral receptor engagement by CAT1. Nature communications, 17(1), 1108.

Bao X, et al. (2025) Comparison of Anterior Surgery Versus Posterior Surgery for the Treatment of Multilevel Cervical Spondylotic Myelopathy: A Meta-Analysis. Clinical spine surgery, 38(7), 333.

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).

Bayraktar M, et al. (2025) Association Between FABP3 and FABP4 Genes with Changes in Milk Composition and Fatty Acid Profiles in the Native Southern Yellow Cattle Breed. Veterinary sciences, 12(9).

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

Pfarrmaier A, et al. (2025) The 50 most cited studies on trochleoplasty. Journal of experimental orthopaedics, 12(1), e70183.

Gajardo M, et al. (2025) Systematic use of protein free energy changes for classifying variants of uncertain significance: the case of IFT140 in Mainzer-Saldino Syndrome. Frontiers in molecular biosciences, 12, 1561380.

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

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).

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.

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.

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).