Resource Summary Report

Generated by RRID on Sep 10, 2026

DynaMut

RRID:SCR_021849
Type: Tool

Proper Citation

DynaMut (RRID:SCR_021849)

Resource Information

URL: http://biosig.unimelb.edu.au/dynamut/

Proper Citation: DynaMut (RRID:SCR_021849)

Description: Web server for predicting impact of mutations on protein conformation, flexibility and stability.

Resource Type: data access protocol, software resource, web service

Defining Citation: PMID:29718330

Keywords: mutation, mutation impacts on protein conformation, protein flexibility, protein stability

Availability: Free, Freely available

Resource Name: DynaMut

Resource ID: SCR_021849

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260905T132947+0000

Ratings and Alerts

No rating or validation information has been found for DynaMut .

No alerts have been found for DynaMut .

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 68 mentions in open access literature.

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

Vaghefinezhad N, et al. (2026) In vitro and In silico Analysis of SCIN rs376349889 as a Potential Biomarker for Gastric and Colorectal Cancers. Avicenna journal of medical biotechnology, 18(1), 79.

Mbaye M, et al. (2026) Integrative Computational Analysis of TP53 Exon 5-6 Mutations in Oral Cavity, Prostate, and Breast Cancers in a Senegalese Population. Genes, 17(2).

Peng SQ, et al. (2025) A gain-of-function mutation in ATP6V0A4 drives primary distal renal tubular alkalosis with enhanced V-ATPase activity. The Journal of clinical investigation, 135(13).

Falkenstein K, et al. (2025) A Novel Missense Variant in Ultrarare SLC35A1-CDG Alters Cellular Glycosylation, Lipid, and Energy Metabolism Without Affecting CDG Serum Markers. Human mutation, 2025, 6290620.

Felício D, et al. (2025) Missense variant in TTBK2 kinase domain causes loss of function and impaired protein phosphorylation. Scientific reports, 16(1), 2501.

Sacchi S, et al. (2025) A phosphoserine phosphatase variant present in the brain of Alzheimer's disease patients favors nuclear mistargeting. The FEBS journal, 292(18), 4955.

Kim YS, et al. (2025) Allogenic mitochondria transfer improves cardiac function in iPS-cell-differentiated cardiomyocytes of a patient with Barth syndrome. Experimental & molecular medicine, 57(6), 1260.

Gaikwad AS, et al. (2025) Functional and clinical insights into nuclear receptor variants for advancing precision diagnostics in male infertility. EBioMedicine, 119, 105899.

Wang C, et al. (2025) A novel CUL4B gene variant activating Wnt4/?-catenin signal pathway to karyotype 46, XY female with disorders of sex development. Biological research, 58(1), 1.

Ren Y, et al. (2025) Characteristics of an emerging canine respiratory coronavirus in China. The veterinary quarterly, 45(1), 2574506.

Zhang JJ, et al. (2025) Topology of WFS1 Variants Linked With Islet Function and Higher Risk of Urological Symptoms in WFS1-Associated Disease. Pediatric diabetes, 2025, 9955995.

Wang Y, et al. (2024) NRDE2 deficiency impairs homologous recombination repair and sensitizes hepatocellular carcinoma to PARP inhibitors. Cell genomics, 4(5), 100550.

Kim OH, et al. (2024) Exploring novel MYH7 gene variants using in silico analyses in Korean patients with cardiomyopathy. BMC medical genomics, 17(1), 225.

Saharkhiz S, et al. (2024) The State-of-the-Art Overview to Application of Deep Learning in Accurate Protein Design and Structure Prediction. Topics in current chemistry (Cham), 382(3), 23.

Mahmood HR, et al. (2024) Epidemiological trends, antifungal drug susceptibility and SQLE point mutations in etiologic species of human dermatophytosis in Al-Diwaneyah, Iraq. Scientific reports, 14(1), 12669.

Liu P, et al. (2024) Characteristics of SARS-CoV-2 Omicron BA.5 variants in Shanghai after ending the zero-COVID policy in December 2022: a clinical and genomic analysis. Frontiers in microbiology, 15, 1372078.

Ahmad N, et al. (2024) A novel missense mutation of CCDC34 causes male infertility with oligoasthenoteratozoospermia in a consanguineous Pakistani family. Asian journal of andrology, 26(6), 605.

Chkioua L, et al. (2024) Respiratory Chain Complex I Deficiency in Leber Hereditary Optic Neuropathy: Insights from Ophthalmologic and Molecular Investigations in Tunisia. BMC genomics, 25(1), 1133.

Huang X, et al. (2024) The clinical and genetic aspects of six individuals with GH1 variants and isolated growth hormone deficiency type II. Frontiers in endocrinology, 15, 1363050.

Litso I, et al. (2023) Structural Evolution of Primate Glutamate Dehydrogenase 2 as Revealed by In Silico Predictions and Experimentally Determined Structures. Biomolecules, 14(1).