

Resource Summary Report

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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: web service, data access protocol, software resource

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: 20260804T043747+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 48 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

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.

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.

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.

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.

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

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.

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.

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.

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.

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.

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.

Jeong DW, et al. (2023) Palmitoylation-driven PHF2 ubiquitination remodels lipid metabolism through the SREBP1c axis in hepatocellular carcinoma. *Nature communications*, 14(1), 6370.

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).

Chen H, et al. (2023) CTCF variant begets to short stature by down-regulation of IGF1. *Journal of molecular endocrinology*, 70(4).

Chen H, et al. (2023) Novel pathogenic NPR2 variants in short stature patients and the therapeutic response to rhGH. *Orphanet journal of rare diseases*, 18(1), 221.

Wang X, et al. (2023) Purifying selection leads to low protein diversity of the mitochondrial cyt b gene in avian malaria parasites. *BMC ecology and evolution*, 23(1), 49.