

Resource Summary Report

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sumo

RRID:SCR_001572

Type: Tool

Proper Citation

sumo (RRID:SCR_001572)

Resource Information

URL: <http://www.glycosciences.de/tools/sumo/>

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Description: Service that searches carbohydrate structures for motifs commonly used for carbohydrate classification, like N- and O-glycan cores, Lewis antigens, etc. Note: Sumo is currently under construction. Motif searches are a frequently used tool in proteomics. For carbohydrate structures, there are also many motifs classified in the literature, e.g. the Lewis antigens or the diverse O-glycan core structures. Sumo is a tool to locate such motifs in a carbohydrate structure given in LINUCS or in IUPAC nomenclature., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: sumo

Synonyms: sumo: SUGar MOTif search, SUGar MOTif search

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

Keywords: carbohydrate, structure, carbohydrate structure, motif, carbohydrate classification, sugar, iupac, nomenclature, notation

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: sumo

Resource ID: SCR_001572

Alternate IDs: nlx_152885

Record Creation Time: 20220129T080208+0000

Record Last Update: 20260904T000053+0000

Ratings and Alerts

No rating or validation information has been found for sumo.

No alerts have been found for sumo.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 215 mentions in open access literature.

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

Vishina A, et al. (2025) MFe₆ X₄ system (M = Mg, Sc, Zr; X = Al, Si, P, Ga, Ge, In, Sn, Sb) as possible 'gap' magnets. *Science and technology of advanced materials*, 26(1), 2527024.

Knottenbelt W, et al. (2025) CoxKAN: Kolmogorov-Arnold networks for interpretable, high-performance survival analysis. *Bioinformatics (Oxford, England)*, 41(8).

Malik Z, et al. (2024) Observation and enhancement through alkali metal doping of p-type conductivity in the layered oxyselenides Sr₂ZnO₂Cu₂Se₂ and Ba₂Zn_{1-x}O_{2-x}Cu₂Se₂. *Journal of materials chemistry. C*, 12(43), 17574.

Evers A, et al. (2024) Engineering hydrophobicity and manufacturability for optimized biparatopic antibody-drug conjugates targeting c-MET. *mAbs*, 16(1), 2302386.

Tullius MV, et al. (2024) LVS Δ capB-vectored multiantigenic melioidosis vaccines protect against lethal respiratory *Burkholderia pseudomallei* challenge in highly sensitive BALB/c mice. *mBio*, 15(4), e0018624.

Cabri G, et al. (2024) Learn to Bet: Using Reinforcement Learning to Improve Vehicle Bids in Auction-Based Smart Intersections. *Sensors (Basel, Switzerland)*, 24(4).

Cai C, et al. (2024) Adaptive urban traffic signal control based on enhanced deep reinforcement learning. *Scientific reports*, 14(1), 14116.

Nishikawa S, et al. (2024) Multimolecular Competition Effect as a Modulator of Protein Localization and Biochemical Networks in Cell-Size Space. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(6), e2308030.

Chunkruea P, et al. (2024) Prenylation of aromatic amino acids and plant phenolics by an aromatic prenyltransferase from *Rasamsonia emersonii*. *Applied microbiology and biotechnology*, 108(1), 421.

Novikov SA, et al. (2024) Application of Voronoi Polyhedra for Analysis of Electronic Dimensionality in Emissive Halide Materials. *Journal of the American Chemical Society*, 146(51), 35449.

Bartlett TM, et al. (2024) FacZ is a GpsB-interacting protein that prevents aberrant division-site placement in *Staphylococcus aureus*. *Nature microbiology*, 9(3), 801.

Safavi-Naini SAA, et al. (2024) Drivers' behavior confronting fixed and point-to-point speed enforcement camera: agent-based simulation and translation to crash relative risk change. *Scientific reports*, 14(1), 1863.

Shobade SO, et al. (2024) Plant root associated chitinases: structures and functions. *Frontiers in plant science*, 15, 1344142.

Iribarren PA, et al. (2024) Depolymerization of SUMO chains induces slender to stumpy differentiation in *T. brucei* bloodstream parasites. *PLoS pathogens*, 20(4), e1012166.

Moin M, et al. (2024) Exploration of the pearl millet phospholipase gene family to identify potential candidates for grain quality traits. *BMC genomics*, 25(1), 581.

Singer A, et al. (2024) Elaboration of the Homer1 recognition landscape reveals incomplete divergence of paralogous EVH1 domains. *Protein science : a publication of the Protein Society*, 33(8), e5094.

Truong NH, et al. (2024) Sequence and structure analyses of lytic polysaccharide monooxygenases mined from metagenomic DNA of humus samples around white-rot fungi in Cuc Phuong tropical forest, Vietnam. *PeerJ*, 12, e17553.

Zheng G, et al. (2023) Perimeter Control Method of Road Traffic Regions Based on MFD-DDPG. *Sensors (Basel, Switzerland)*, 23(18).

Kiss L, et al. (2023) Trim-Away ubiquitinates and degrades lysine-less and N-terminally acetylated substrates. *Nature communications*, 14(1), 2160.

Barik RK, et al. (2023) High throughput calculations for a dataset of bilayer materials. *Scientific data*, 10(1), 232.