

Resource Summary Report

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GUSI

RRID:SCR_014962

Type: Tool

Proper Citation

GUSI (RRID:SCR_014962)

Resource Information

URL: <http://biophysics.swmed.edu/MBR/software.html>

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Description: Software program that can illustrate the output of SEDFIT and SEDPHAT programs and can perform simple calculations with the data. It is designed to work with sedimentation velocity, sedimentation equilibrium, ITC, DLS, and isotherm data.

Resource Type: software resource, data processing software, software application, data visualization software

Defining Citation: [PMID:26412649](#)

Keywords: data visualization software, sedimentation, sedimentation velocity, sedimentation equilibrium, isotherm

Funding:

Availability: Available for download, Free

Resource Name: GUSI

Resource ID: SCR_014962

License URLs: <http://biophysics.swmed.edu/MBR/README.txt>

Record Creation Time: 20220129T080323+0000

Record Last Update: 20250416T063715+0000

Ratings and Alerts

No rating or validation information has been found for GUSSI.

No alerts have been found for GUSSI.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 202 mentions in open access literature.

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

Fung HYJ, et al. (2025) Nap1 and Kap114 co-chaperone H2A-H2B and facilitate targeted histone release in the nucleus. *The Journal of cell biology*, 224(1).

Deka RK, et al. (2025) Biophysical and biochemical evidence for the role of acetate kinases (AckAs) in an acetogenic pathway in pathogenic spirochetes. *PloS one*, 20(1), e0312642.

Lotz R, et al. (2025) Alternative splicing in the DBD linker region of p63 modulates binding to DNA and iASPP in vitro. *Cell death & disease*, 16(1), 4.

Consalvo CD, et al. (2024) *Caenorhabditis elegans* Dicer acts with the RIG-I-like helicase DRH-1 and RDE-4 to cleave dsRNA. *eLife*, 13.

Yamaguchi Y, et al. (2024) Glycosylation of recombinant adeno-associated virus serotype 6. *Molecular therapy. Methods & clinical development*, 32(2), 101256.

Iannotta L, et al. (2024) PAK6 rescues pathogenic LRRK2-mediated ciliogenesis and centrosomal cohesion defects in a mutation-specific manner. *Cell death & disease*, 15(10), 752.

Lövestam S, et al. (2024) Disease-specific tau filaments assemble via polymorphic intermediates. *Nature*, 625(7993), 119.

Barylko B, et al. (2024) Mimicking Protein Kinase C Phosphorylation Inhibits Arc/Arg3.1 Palmitoylation and Its Interaction with Nucleic Acids. *International journal of molecular sciences*, 25(2).

Griffith-Jones S, et al. (2024) Structural basis for RAD18 regulation by MAGEA4 and its implications for RING ubiquitin ligase binding by MAGE family proteins. *The EMBO journal*, 43(7), 1273.

Mantonico MV, et al. (2024) The acidic intrinsically disordered region of the inflammatory

mediator HMGB1 mediates fuzzy interactions with CXCL12. *Nature communications*, 15(1), 1201.

Jan HM, et al. (2024) Galectin-4 Antimicrobial Activity Primarily Occurs Through its C-Terminal Domain. *Molecular & cellular proteomics : MCP*, 23(5), 100747.

Miguel-Ruano V, et al. (2024) Structural characterization of lytic transglycosylase MltD of *Pseudomonas aeruginosa*, a target for the natural product bulgecin A. *International journal of biological macromolecules*, 267(Pt 1), 131420.

Lukose B, et al. (2024) Molecular and thermodynamic determinants of self-assembly and hetero-oligomerization in the enterobacterial thermo-osmo-regulatory protein H-NS. *Nucleic acids research*, 52(5), 2157.

Prabaharan C, et al. (2024) Structural and biochemical characterization of cauliflower mosaic virus reverse transcriptase. *The Journal of biological chemistry*, 300(8), 107555.

Lotz R, et al. (2024) Cardiocutaneous syndrome is caused by aggregation of iASPP mutants. *Cell death discovery*, 10(1), 497.

Consalvo CD, et al. (2024) *C. elegans* Dicer acts with the RIG-I-like helicase DRH-1 and RDE-4 to cleave dsRNA. *bioRxiv : the preprint server for biology*.

Agbavor C, et al. (2024) The chaperone PrsA2 regulates the secretion, stability, and folding of listeriolysin O during *Listeria monocytogenes* infection. *mBio*, 15(7), e0074324.

Ihara M, et al. (2024) Crystal Structure of the Native Chromoprotein from *Pleurotus salmoneostramineus* Provides Insights into the Pigmentation Mechanism. *Journal of agricultural and food chemistry*, 72(31), 17626.

Mezgec K, et al. (2024) Coupling of Spectrin Repeat Modules for the Assembly of Nanorods and Presentation of Protein Domains. *ACS nano*, 18(42), 28748.

Lee H, et al. (2023) Designer molecules of the synaptic organizer MDGA1 reveal 3D conformational control of biological function. *The Journal of biological chemistry*, 299(4), 104586.