

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

Defining Citation: [PMID:26412649](#)

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

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: 20260905T133020+0000

Ratings and Alerts

No rating or validation information has been found for GUSI.

No alerts have been found for GUSI.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 237 mentions in open access literature.

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

Shirakawa KT, et al. (2026) The clinical missense variant E282K in PPP3CA/calcineurin shifts substrate dephosphorylation by altering active site recruitment. *Nature communications*, 17(1).

Audibert A, et al. (2026) Subunit-specific isotope labelling of heteromeric complexes using cell-free protein expression: application to the 760 kDa ClpXP molecular machine. *RSC chemical biology*, 7(2), 260.

Ye JS, et al. (2026) Bacterial ubiquitin ligase engineered for small molecule and protein target identification. *The EMBO journal*, 45(3), 1024.

Want K, et al. (2026) Cross-regulation of [2Fe-2S] cluster synthesis by ferredoxin-2 and frataxin. *Nature*, 649(8097), 721.

Irvin SC, et al. (2026) The role of large immune complexes in anti-drug antibody development: a case study of anti-SARS-CoV-2 antibody therapeutics and co-administered mRNA vaccine. *Frontiers in immunology*, 17, 1769163.

Allouche A, et al. (2026) Aging alters the vulnerability pattern to amyloid-beta oligomers in wild-type mice: a behavioral and neurobiological study. *Alzheimer's research & therapy*, 18(1).

Melicher F, et al. (2026) Structural and functional characterization of the newly identified *Photobacterium laumondii* tumor necrosis factor-like lectin. *The FEBS journal*, 293(4), 1168.

Komarek J, et al. (2026) Selective targeting of cortactin tandem repeat acetylation by human lysine deacetylases. *The FEBS journal*, 293(12), 3528.

Nam Y, et al. (2026) A remote surface loop modulates core structure and cold activity in phosphopantetheine adenylyltransferase. *PloS one*, 21(3), e0342296.

Yu X, et al. (2026) Quantification of Glycan in Glycoproteins via AUCAgent-Enhanced Analytical Ultracentrifugation. *Pharmaceuticals (Basel, Switzerland)*, 19(2).

Woods RA, et al. (2026) *Staphylococcus aureus* adapts to the host nutritional environment by coordinating the activity of central metabolic enzymes. *PLoS pathogens*, 22(5), e1014183.

Tsarenko E, et al. (2026) POx-Lipids as an Alternative to PEG-Lipids? Multimethod Assessment of Chemistry and Structure. *Analytical chemistry*, 98(11), 8277.

Genova R, et al. (2026) Chemotaxis to plant defense compounds in phytopathogens. PLoS pathogens, 22(5), e1014240.

Pareek G, et al. (2025) ASPL couples the assembly of stress granules with their VCP-mediated disassembly. Science advances, 11(41), eady3735.

Tucholski FT, et al. (2025) Tracking reduction-induced molecular changes in pathological free light chains by SV-AUC. European biophysics journal : EBJ, 54(6), 365.

Ayinuola O, et al. (2025) Hydrophobic residues in the D-domain of a plasminogen-binding M-protein modulate α -helicity, oligomerization, and surface anchoring in *Streptococcus pyogenes*. Protein science : a publication of the Protein Society, 34(10), e70287.

Wright MM, et al. (2025) Stabilization of a miniprotein fold by an unpuckered proline surrogate. Communications chemistry, 8(1), 76.

Kopečný DJ, et al. (2025) A monomer-dimer switch modulates the activity of plant adenosine kinase. Journal of experimental botany, 76(12), 3457.

Spiewla T, et al. (2025) An MST-based assay reveals new binding preferences of IFIT1 for canonically and noncanonically capped RNAs. RNA (New York, N.Y.), 31(2), 181.

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).