

# Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

## STRAP

RRID:SCR\_005675

Type: Tool

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### Proper Citation

STRAP (RRID:SCR\_005675)

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### Resource Information

**URL:** <http://www.bumc.bu.edu/cardiovascularproteomics/cpctools/strap/>

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**Description:** Software program that automatically annotates a protein list with information that helps in the meaningful interpretation of data from mass spectrometry and other techniques. It takes protein lists as input, in the form of plain text files, protXML files (usually from the TPP), or Dat files from MASCOT search results. From this, it generates protein annotation tables, and a variety of GO charts to aid individual and differential analysis of proteomics data. It downloads information from mainly the Uniprot and EBI QuickGO databases. STRAP requires Windows XP or higher with at least version 3.5 of the Microsoft .NET Framework installed. Platform: Windows compatible

**Abbreviations:** STRAP

**Synonyms:** Software Tool for Rapid Annotation of Proteins, STRAP for GO Annotation, STRAP - Software Tool for Rapid Annotation of Proteins

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

**Defining Citation:** [PMID:19839595](#)

**Keywords:** protein, gene, annotation, mass spectrometry, proteomics, visualization, browser, differential analysis, analysis, ontology or annotation browser, ontology or annotation visualization, differential analysis of proteomics data sets, windows, protein annotation, data visualization, c#, pathway, FASEB list

**Funding:** NHLBI contract N01 HV28178;  
NCRR P41 RR10888

**Availability:** Open unspecified license, Acknowledgement requested

**Resource Name:** STRAP

**Resource ID:** SCR\_005675

**Alternate IDs:** OMICS\_02277, nlx\_149115

**Record Creation Time:** 20220129T080231+0000

**Record Last Update:** 20260808T190305+0000

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## Ratings and Alerts

No rating or validation information has been found for STRAP.

No alerts have been found for STRAP.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 122 mentions in open access literature.

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

Moharana B, et al. (2026) GRASping experience-dependent protein expression signatures enriched for hippocampal engram cell synapses. Science advances, 12(20), eadv3557.

Huebert DNG, et al. (2025) Coevolution of Lentiviral Vif with Host A3F and A3G: Insights from Computational Modelling and Ancestral Sequence Reconstruction. Viruses, 17(3).

Fanniel V, et al. (2025) Advancing Soft Tissue Reconstruction with a Ready-to-Use Human Adipose Allograft. Bioengineering (Basel, Switzerland), 12(6).

Braunsperger MV, et al. (2025) Proteomic Insights into Human Limbal Epithelial Progenitor-Derived Small Extracellular Vesicles. Stem cell reviews and reports, 21(5), 1578.

Marke D, et al. (2025) The oldest known lepidosaur and origins of lepidosaur feeding adaptations. Nature, 647(8090), 663.

Banda NK, et al. (2025) Analysis of human factor H-related gene and protein expressed in rheumatoid arthritis synovium identifies a novel mechanism promoting dysregulated complement pathway activation. Scientific reports, 15(1), 19633.

Lewis MJ, et al. (2025) Deep molecular profiling of synovial biopsies in the STRAP trial identifies signatures predictive of treatment response to biologic therapies in rheumatoid arthritis. Nature communications, 16(1), 5374.

Yan T, et al. (2025) Pigment removal from reverse-printed laminated flexible films by solvent-targeted recovery and precipitation. Science advances, 11(11), eadt5841.

Carlson RJ, et al. (2024) Single-cell image-based genetic screens systematically identify regulators of Ebola virus subcellular infection dynamics. *bioRxiv : the preprint server for biology*.

Haddad G, et al. (2024) Identification of Four Mouse FcRn Splice Variants and FcRn-Specific Vesicles. *Cells*, 13(7).

Yulyaningsih E, et al. (2024) DNL343 is an investigational CNS penetrant eukaryotic initiation factor 2B activator that prevents and reverses the effects of neurodegeneration caused by the integrated stress response. *eLife*, 12.

Kattelus R, et al. (2024) Phenotypic profiling of human induced regulatory T cells at early differentiation: insights into distinct immunosuppressive potential. *Cellular and molecular life sciences : CMLS*, 81(1), 399.

Kögl T, et al. (2024) Patients and mice with deficiency in the SNARE protein SYNTAXIN-11 have a secondary B cell defect. *The Journal of experimental medicine*, 221(7).

Claydon EA, et al. (2024) Detecting sleep and physical activity changes across the perinatal period using wearable technology. *BMC pregnancy and childbirth*, 24(1), 787.

Lin D, et al. (2024) Transcriptome and proteome profiling reveals TREM2-dependent and -independent glial response and metabolic perturbation in an Alzheimer's mouse model. *The Journal of biological chemistry*, 300(11), 107874.

She R, et al. (2023) Translational fidelity screens in mammalian cells reveal eIF3 and eIF4G2 as regulators of start codon selectivity. *Nucleic acids research*, 51(12), 6355.

Lebdy R, et al. (2023) The nucleolar protein GNL3 prevents resection of stalled replication forks. *EMBO reports*, 24(12), e57585.

Shuaib M, et al. (2023) Impact of the SARS-CoV-2 nucleocapsid 203K/204R mutations on the inflammatory immune response in COVID-19 severity. *Genome medicine*, 15(1), 54.

Lorenz-Guertin JM, et al. (2023) Inhibitory and excitatory synaptic neuroadaptations in the diazepam tolerant brain. *Neurobiology of disease*, 185, 106248.

Marramà G, et al. (2023) The evolutionary origin of the durophagous pelagic stingray ecomorph. *Palaeontology*, 66(4).