

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

STRING

RRID:SCR_005223

Type: Tool

Proper Citation

STRING (RRID:SCR_005223)

Resource Information

URL: <http://string.embl.de/>

Proper Citation: STRING (RRID:SCR_005223)

Description: Database of known and predicted protein interactions. The interactions include direct (physical) and indirect (functional) associations and are derived from four sources: Genomic Context, High-throughput experiments, (Conserved) Coexpression, and previous knowledge. STRING quantitatively integrates interaction data from these sources for a large number of organisms, and transfers information between these organisms where applicable. The database currently covers 5"214"234 proteins from 1133 organisms. (2013)

Abbreviations: STRING

Synonyms: Search Tool for the Retrieval of Interacting Genes/Proteins, STRING - Known and Predicted Protein-Protein Interactions

Resource Type: data or information resource, database

Defining Citation: [PMID:23203871](#), [PMID:21045058](#), [PMID:18940858](#), [PMID:17098935](#), [PMID:15608232](#), [PMID:12519996](#)

Keywords: protein association, protein functional association, protein interaction, protein-protein interaction, protein, sequence, protein sequence, interaction, gene, FASEB list

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Resource Name: STRING

Resource ID: SCR_005223

Alternate IDs: nif-0000-03503, r3d100010604

Alternate URLs: <https://doi.org/10.17616/R3VS40>

Record Creation Time: 20220129T080229+0000

Record Last Update: 20260821T193732+0000

Ratings and Alerts

No rating or validation information has been found for STRING.

No alerts have been found for STRING.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 32678 mentions in open access literature.

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

He P, et al. (2027) Key molecular networks underlying retinol's biphasic effects on cell proliferation through multi-omics integrative analysis using genome-scale metabolic modeling. *Synthetic and systems biotechnology*, 15, 43.

Tickman BI, et al. (2026) The response to kidney injury is epigenetically regulated through the activation of bivalent genes. *American journal of physiology. Renal physiology*, 330(2), F238.

Shi X, et al. (2026) Specific GPCRs elicit unique extracellular vesicle miRNA array signatures. *eLife*, 14.

Flaherty RL, et al. (2026) LOX Inhibition Disrupts a Collagen-Integrin-MYC Axis to Suppress Progression of Invasive Lobular Carcinoma. *Cancer research*, 86(10), 2487.

Wang A, et al. (2026) Proteomic Landscape of Sweat Glands in Neuronal Intranuclear Inclusion Disease Reveals a Pathogenic Triad of Abnormal Autophagy, Mitochondrial Dysfunction, and a Failed Oxidative Stress Response. *Journal of neurochemistry*, 170(1), e70352.

Zhao C, et al. (2026) Progranulin promotes glioma progression via interaction with cathepsin D and serves as a diagnostic and prognostic biomarker. *Discover oncology*, 17(1), 336.

Chen L, et al. (2026) Mycobacterial metallophosphatase MmpE acts as a nucleomodulin to regulate host gene expression and promote intracellular survival. *eLife*, 14.

Wei S, et al. (2026) Risk assessment for hydrophobic disinfectants and antiseptics as contaminants in freshwater using risk quotient and network pharmacology approaches. *iScience*, 29(7), 116339.

Yang X, et al. (2026) A pharmacological rat model of recurrent pelvic pain exhibiting hyperalgesia and depression-like behaviors. *iScience*, 29(4), 115059.

Gogoi A, et al. (2026) Proteomics of In Vivo models of ischemic stroke: A systematic review with a systems biological perspective. *Ageing research reviews*, 113, 102937.

Ali M, et al. (2026) Large-scale CSF and plasma proteomics reveal immune, synaptic, and extracellular matrix disruptions across neurodegenerative diseases. *Neuron*, 114(14), 2549.

Leonardi L, et al. (2026) TLR7 induces autophagy in non-small cell lung cancer tumor cells and influences anti-tumors responses in patients. *Translational lung cancer research*, 15(4), 75.

Loh D, et al. (2026) Multiaxial Biophysical Control of Oncogenic Phase Separation by Indoleamines: A Proof-of-Concept Synthesis of Landscape-Level Regulation. *Journal of pineal research*, 78(4), e70156.

Ma Z, et al. (2026) Elevated PTK6 expression is associated with tumor immune microenvironment remodeling and predicts poor prognosis in endometrial carcinoma. *Frontiers in medicine*, 13, 1842564.

Nagasse HY, et al. (2026) TDP43 and hnRNP K Regulate Alternative Splicing of DNAJC5. *Cell biology international*, 50(4), e70158.

Ferreira JV, et al. (2026) LAMP2A regulates endosomal protein composition and membrane identity in exosome biogenesis. *iScience*, 29(1), 114305.

Yesupatham SK, et al. (2026) Transcriptome profiling suggests molecular sexual dimorphism in lumbosacral dorsal root ganglia and sex-specific mechanisms underlying visceral pain. *Physiological genomics*, 58(1), 12.

Lara Castillo NA, et al. (2026) Exercise beneficially reshapes fasted rat skeletal muscle involving the combined action of β -hydroxybutyrate and palmitoleic acid. *American journal of physiology. Cell physiology*, 330(4), C1006.

Cao B, et al. (2026) CGPA: A Multicontext Cancer Gene Prognosis Atlas. *Molecular cancer research : MCR*, 24(3), 188.

Osman ST, et al. (2026) Repurposing SGLT2 and DPP-4 inhibitors for mild cognitive impairment in type 2 diabetes mellitus: Insights from proteomics, target prediction and molecular docking. *British journal of pharmacology*, 183(10), 2533.