

Resource Summary Report

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Starbase V2.0

RRID:SCR_016303

Type: Tool

Proper Citation

Starbase V2.0 (RRID:SCR_016303)

Resource Information

URL: <http://starbase.sysu.edu.cn/index.php>

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Description: Web based tool to visualize, analyze, discover and download of large-scale functional genomics data. Used for analysis of the CLIP-Seq and Degradome-Seq data sets, exploration of miRNA–target interactions and decoding RNA interaction networks from CLIP-Seq (HITS-CLIP, PAR-CLIP, iCLIP, CLASH) data. To show RNA-RNA and protein-RNA interaction networks in developmental, physiological and pathological processes.

Resource Type: web application, software resource

Defining Citation: [PMID:24297251](#)

Keywords: visualize, analyze, discover, download, large, genomic, data, set, miRNA, RNA-RNA, protein-RNA, interaction, network, decoding, CLIP-Seq, Degradome-Seq

Funding: Ministry of Science and Technology of China ;
National Basic Research Program No. 2011CB811300

Availability: Free, Freely available, Available for download

Resource Name: Starbase V2.0

Resource ID: SCR_016303

License: GNU

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260808T190052+0000

Ratings and Alerts

No rating or validation information has been found for Starbase V2.0.

No alerts have been found for Starbase V2.0.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1004 mentions in open access literature.

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

Hao Z, et al. (2026) Hypoxia-induced Schwann cells-derived extracellular vesicles carrying LncRNA TNXA-PS1 promote recovery post sciatic nerve injury. Communications biology, 9(1).

Pasbola K, et al. (2026) Transcriptome profiling reveals the role of XIST/miR-335-5p regulatory axis as a crucial mediator of chemoresistance in esophageal cancer by influencing EMT and Ferroptosis. Functional & integrative genomics, 26(1).

Yang ZB, et al. (2026) Human Breast Milk-Derived Exosomal FP671120.4 Inhibits Macrophage M1 Polarization via Modulating the ELAVL1/Nrf2 Axis in Sepsis-Associated Liver Injury. The Kaohsiung journal of medical sciences, 42(2), e70108.

Zou X, et al. (2026) Down-regulation of circ0001361 induces apoptosis and suppresses the progression of glioma. PloS one, 21(4), e0343681.

Wen Q, et al. (2026) Identification and Validation of the Prognostic Value of PTTG1-Related Genes in Hepatocellular Carcinoma by Mendelian Randomization and Single-Cell Transcriptome Analysis. Iranian journal of biotechnology, 24(1), e4221.

Wang X, et al. (2026) Identification of potential hub genes related to ferroptosis and hypoxia in dilated cardiomyopathy: a bioinformatic analysis with preliminary experimental validation. Experimental biology and medicine (Maywood, N.J.), 251, 10709.

Li J, et al. (2026) Integrating bulk and single-cell transcriptome profiling to uncover diagnostic biomarkers and regulatory mechanisms of oxidative stress in spinal cord injury. Neural regeneration research, 21(6), 2643.

Wu S, et al. (2026) Isoimperatorin suppresses triple-negative breast cancer by modulating miR-874-3p/POU2F1 axis: a new avenue for metabolic and redox intervention. Biological research, 59(1).

Zhan L, et al. (2026) HIF-1 α suppresses SNPH expression to facilitate liver metastasis of colorectal cancer through regulating mitochondrial dynamics and filopodia formation. Cell death & disease, 17(1).

Yang C, et al. (2026) A Novel Long Noncoding RNA-LNC000133 Associated With Steroid-Induced Osteonecrosis of the Femoral Head Promotes Osteoblast Differentiation Through Bone Marrow Mesenchymal Stem Cells-Derived Exosomes Pathway: A Bioinformatics Validation and Detailed Mechanistic Study. *Journal of cellular and molecular medicine*, 30(8), e71135.

Zhang W, et al. (2026) PTTG3P-miR-142-5p-IGF2BP3 axis governs ferroptosis in hepatocellular carcinoma. *Discover oncology*, 17(1).

Xia T, et al. (2026) Suppression of exosomal miR-199a-3p, a differentially expressed miRNA in steroid-induced osteonecrosis of the femoral head, promotes cell proliferation, osteogenesis, and angiogenesis while inhibiting dexamethasone-induced apoptosis. *Frontiers in bioengineering and biotechnology*, 14, 1709739.

Lin B, et al. (2026) Transcriptome and experimental validation identify prognostic genes associated with lipotoxicity in thyroid carcinoma. *BMC cancer*, 26(1).

Luo J, et al. (2026) Identification of biomarkers related to γ -aminobutyric acid-associated genes in membranous nephropathy based on transcriptome data and clinical experiments. *Hereditas*, 163(1).

Xu C, et al. (2025) An Exosome-Based Liquid Biopsy Predicts Depth of Response and Survival Outcomes to Cetuximab and Panitumumab in Metastatic Colorectal Cancer: The EXONERATE Study. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(6), 1002.

Wang A, et al. (2025) Endoplasmic reticulum stress-related CLIP4 plays a procarcinogenic role in hepatocellular carcinoma: an integrated analysis. *BMC cancer*, 25(1), 211.

Zhang M, et al. (2025) Targeting Zfp36 to combat cardiac hypertrophy: Insights into ferroptosis pathways. *Clinical and translational medicine*, 15(3), e70247.

Lv Y, et al. (2025) circDENND4C serves as a sponge for miR-200b to drive non-small cell lung cancer advancement by regulating MMP-9 expression. *Frontiers in oncology*, 15, 1441384.

Wang CH, et al. (2025) Highly enriched exosomal lncRNA OIP5-AS1 regulates gastrointestinal stromal tumor (GIST) resistance to sunitinib through miR-145 and SOX9. *Cancer biology & therapy*, 26(1), 2522543.

Hongyuan H, et al. (2025) Identification of mitochondria-related biomarkers for acute respiratory distress syndrome. *Scientific reports*, 15(1), 28221.