

Resource Summary Report

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[msigdb](#)

RRID:SCR_022870

Type: Tool

Proper Citation

msigdb (RRID:SCR_022870)

Resource Information

URL: <https://cran.r-project.org/package=msigdb>

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Description: Software R package contains Molecular Signatures Database (MSigDB) gene sets for multiple organisms in tidy data format. Gene sets in standard R data frame with key value pairs. Package includes human genes as well as corresponding symbols and IDs for frequently studied model organisms such as mouse, rat, pig, fly, and yeast.

Resource Type: software resource, software toolkit

Keywords: Standard R data frame, human genes as listed in MSigDB, corresponding symbols and IDs

Availability: Free, Available for download, Freely available

Resource Name: msigdb

Resource ID: SCR_022870

Alternate URLs: <https://igordot.github.io/msigdb/>

License: MIT license

Record Creation Time: 20221013T050144+0000

Record Last Update: 20260919T195823+0000

Ratings and Alerts

No rating or validation information has been found for msigdb.

No alerts have been found for msigdb.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 79 mentions in open access literature.

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

Hernández-Martínez G, et al. (2026) Transcriptional and epigenetic regulation of Ca²⁺-signaling genes in hepatitis B-derived hepatocellular carcinoma and their association with the cancer hallmarks. *Bioinformatics advances*, 6(1), vbaf331.

Kasai T, et al. (2026) Impact of Variations in Commercial Standard Operating Procedure on Plasma Proteome Recovery. *Journal of proteome research*, 25(4), 1941.

Lasse Opsahl EL, et al. (2026) Fibroblast STAT3 Activation Drives Organ-Specific Premetastatic Niche Formation. *Cancer research*, 86(1), 22.

Mitchell DK, et al. (2026) Inhibition of focal adhesion kinase impairs tumor formation and preserves hearing in a murine model of NF2-related schwannomatosis. *Science advances*, 12(5), eady8382.

Avolio M, et al. (2026) The Molecular and Functional Landscape of Resistance to FOLFIRI Chemotherapy in Metastatic Colorectal Cancer. *Cancer discovery*, 16(2), 270.

Stoiber S, et al. (2026) [18F]FDG PET/CT multiomics identifies Hedgehog-driven HPV-negative head and neck squamous cell carcinoma. *Molecular cancer*, 25(1).

De Dominici M, et al. (2026) Hematopoietic stem cell aging promotes TET2 clonal hematopoiesis. *Research square*.

Chaves GS, et al. (2026) Hypoxia Promotes an Adrenergic to Mesenchymal Transcriptional Program Transition in Neuroblastoma. *Clinical and translational science*, 19(3), e70508.

Hong Y, et al. (2026) Ex vivo and in vivo CRISPR/Cas9 screenings identify the roles of protein N-glycosylation in regulating T-cell activation and functions. *eLife*, 14.

Citron F, et al. (2026) DPY30 Is an Epigenetic Decoupler Linking Replication Stress to Immunoediting in Pancreatic Cancer. *Cancer research*, 86(12), 2837.

Goala P, et al. (2026) IFN- γ -driven skewing towards Th1 over Th17 differentiation underlies CRS and neutropenia in CAR-T therapy. *The Journal of clinical investigation*, 136(1).

Liu XZ, et al. (2026) Targeting the Lipid Metabolism Proteins FASN and GPAM in Alveolar Type II Cells Decreases Lung Metastasis. *Cancer discovery*, 16(7), 1412.

Nacer DF, et al. (2026) Multiomics assessment of lung adenocarcinoma subtypes defined through tumor purity-adjusted DNA methylation. *Genome medicine*, 18(1).

Chen F, et al. (2026) CCL3+ Neutrophil Signature Predicts Response to Neoadjuvant Toripalimab plus Chemotherapy in Patients with Hypopharyngeal Squamous Cell Carcinoma: A Phase II Trial. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(11), 2166.

Kirschstein E, et al. (2026) Myofibroblast programming blocks differentiation of TLS-organizing fibroblastic reticular cells in pancreatic cancer. *Cancer cell*, 44(5), 1080.

Tang E, et al. (2026) Low-Strength Type I Interferon Signaling Promotes CAR T-cell Treatment Efficacy. *Cancer immunology research*, 14(8), 1292.

Zhou L, et al. (2026) p21-Positive Senescent Stromal Cells Promote Prostate Cancer Immune Suppression and Progression That Can Be Reversed by Senolytic Therapy. *Cancer discovery*, 16(3), 571.

Menezes-Silva L, et al. (2026) Hormonal rewiring of immunity during dietary restriction ensures host defense and systemic glucose conservation. *Immunity*, 59(3), 700.

Petrova V, et al. (2026) A human iPSC-derived sensory neuron platform for high-throughput discovery of neuroprotectants against chemotherapy-induced peripheral neuropathy. *Cell reports. Medicine*, 7(5), 102787.

Apostolov E, et al. (2026) Single-Cell and Spatial Transcriptomic Profiling Reveals Epithelial Functional States and Fibroblast Phenotypes in Hormone Therapy-Naïve Localized Prostate Cancer. *Cancer research*, 86(8), 1836.