

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 toolkit, software resource

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: 20260803T040834+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 51 mentions in open access literature.

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

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

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).

Egea-Rodriguez S, et al. (2025) RECQL4 affects MHC class II-mediated signalling and favours an immune-evasive signature that limits response to immune checkpoint inhibitor therapy in patients with malignant melanoma. *Clinical and translational medicine*, 15(1), e70094.

Lakbir S, et al. (2025) Tumor break load quantitates structural variant-associated genomic instability with biological and clinical relevance across cancers. *NPJ precision oncology*, 9(1), 140.

Varela-Vázquez A, et al. (2025) Cx43 enhances response to BRAF/MEK inhibitors by reducing DNA repair capacity. *Nature communications*, 16(1), 6168.

Grätz C, et al. (2025) Extracellular vesicle-associated transcriptomic and proteomic biomarkers show in vitro potential for vandetanib treatment monitoring in anaplastic thyroid cancer. *Scientific reports*, 15(1), 32464.

Shafer AM, et al. (2025) Immunocompetent Murine Models Recapitulate the Heterogeneous Tumor-Immune Microenvironment of Human Liposarcoma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(23), 5078.

Müller M, et al. (2025) Human-correlated genetic models identify precision therapy for liver cancer. *Nature*, 639(8055), 754.

Sakalauskaite G, et al. (2025) A BioID-based approach uncovers the interactome of hexose-6-phosphate dehydrogenase in breast cancer cells and identifies anterior gradient protein 2 as an interacting partner. *Cell & bioscience*, 15(1), 54.

Kim JH, et al. (2025) N-phenylquinazolin-4-amine-based EGFR TKIs suppress pulmonary fibrosis by modulating the EGFR/ERBB3 axis in epithelial-macrophage interaction. *Communications biology*, 8(1), 1723.

Galsky MD, et al. (2025) Clinical and Translational Results from PORTER, a Multicohort Phase I Platform Trial of Combination Immunotherapy in Metastatic Castration-Resistant

Prostate Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(8), 1463.

Li Y, et al. (2025) Single-Cell Transcriptomic Landscape Deciphers Intratumoral Heterogeneity and Subtypes of Acral and Mucosal Melanomas. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(12), 2495.

Ren C, et al. (2025) AI-aided identification of dual-purpose therapeutic targets PRPF19 and MAPK9 in hepatocellular carcinoma and cellular senescence. *npj aging*, 11(1), 101.

Corr BR, et al. (2025) SM08502-Mediated β -Catenin Repression Synergizes with Olaparib to Inhibit Tumor Progression. *Cancer research communications*, 5(12), 2112.

Cumming J, et al. (2025) Dissecting FAP+ Cell Diversity in Pancreatic Cancer Uncovers an Interferon-Response Subtype of Cancer-Associated Fibroblasts with Tumor-Restraining Properties. *Cancer research*, 85(13), 2388.

Broderick C, et al. (2025) A RAS(ON) Multi-Selective Inhibitor Combination Therapy Triggers Long-term Tumor Control through Senescence-Associated Tumor-Immune Equilibrium in Pancreatic Ductal Adenocarcinoma. *Cancer discovery*, 15(8), 1717.

Jacobs BM, et al. (2025) Single-cell analysis of cerebrospinal fluid reveals common features of neuroinflammation. *Cell reports. Medicine*, 6(1), 101733.

Labaf M, et al. (2025) Heterogeneous Responses to High-Dose Testosterone in Castration-Resistant Prostate Cancer Tumors with Mixed Rb-Proficient and Rb-Deficient Cells. *Molecular cancer therapeutics*, 24(5), 772.

Rohan P, et al. (2025) High expression of THY1 is a prognostic marker for gastric Cancer: Deciphering its transcriptional regulation as a component of the Epithelial-mesenchymal transition. *Biochemistry and biophysics reports*, 42, 102050.

Takahashi K, et al. (2025) Diet-induced obesity induces oxidative stress and enhances H3K4me3 levels, driving nonresolving inflammation and myelopoiesis in hematopoietic stem and progenitor cells. *Journal of immunology (Baltimore, Md. : 1950)*.