

Resource Summary Report

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[DSigDB](#)

RRID:SCR_026202

Type: Tool

Proper Citation

DSigDB (RRID:SCR_026202)

Resource Information

URL: <https://dsigdb.tanlab.org/DSigDBv1.0/>

Proper Citation: DSigDB (RRID:SCR_026202)

Description: Online database provides collection of gene sets based on quantitative inhibition and/or drug-induced gene expression changes data of drugs and compounds. Allows users to search, view and download drugs/compounds and gene sets.

Synonyms: , Drug Signatures Database, drug SIGnatures DataBase

Resource Type: database, data or information resource

Defining Citation: [PMID:25990557](#)

Keywords: gene sets, quantitative inhibition, drug induced, gene expression changes, data, drugs, compounds,

Funding: NCI P30CA046934;
NCI P50CA058187

Availability: Free, Freely available,

Resource Name: DSigDB

Resource ID: SCR_026202

Record Creation Time: 20241220T053316+0000

Record Last Update: 20260805T044556+0000

Ratings and Alerts

No rating or validation information has been found for DSigDB.

No alerts have been found for DSigDB.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 82 mentions in open access literature.

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

Huoshen W, et al. (2025) Identification of Potential Biomarkers and Therapeutic Targets for Periodontitis. International dental journal, 75(2), 1370.

Han H, et al. (2025) Identifying MTHFD1 and LGALS4 as Potential Therapeutic Targets in Prostate Cancer Through Multi-Omics Mendelian Randomization Analysis. Biomedicines, 13(1).

Dai J, et al. (2025) CIRCULATING INFLAMMATORY PROTEINS IN DRUG-INDUCED ANAPHYLACTIC SHOCK: EVIDENCE FROM MULTIVARIABLE MENDELIAN RANDOMIZATION AND MULTIOMICS INTEGRATION. Shock (Augusta, Ga.), 64(4), 380.

Cai YX, et al. (2025) An integrated multi-omics analysis identifies protein biomarkers and potential drug targets for psoriatic arthritis. Communications biology, 8(1), 240.

Liu Y, et al. (2025) Combining mitochondrial proteomes and Mendelian randomization to identify novel therapeutic targets for diabetic nephropathy. Renal failure, 47(1), 2473669.

Deng C, et al. (2025) Multi-omics analysis identifies diagnostic circulating biomarkers and potential therapeutic targets, revealing IQGAP1 as an oncogene in gastric cancer. NPJ precision oncology, 9(1), 105.

Deng X, et al. (2025) Integrated Genomic and GEO Data Analysis Reveals Therapeutic Targets for Rosacea. Journal of cosmetic dermatology, 24(7), e70334.

Tang W, et al. (2025) Identification of Causal Plasma Proteins in Hepatocellular Carcinoma via Two-Sample Mendelian Randomization and Integrative Transcriptomic???Proteomic Analysis. Cancer research communications, 5(3), 433.

Wang Q, et al. (2025) Identification of novel biomarkers and drug targets for frailty-related skeletal muscle aging: a multi-omics study. QJM : monthly journal of the Association of Physicians, 118(9), 657.

Xie L, et al. (2025) Identifying therapeutic target genes for diabetic retinopathy using systematic druggable genome-wide Mendelian randomization. Diabetology & metabolic syndrome, 17(1), 145.

Yang N, et al. (2025) Focusing on spinal stenosis: emerging discoveries concerning Alendronate-induced risks and genetic drug targets. Journal of orthopaedic surgery and research, 20(1), 444.

Liu X, et al. (2025) Integrating single-cell sequencing and transcriptome analysis to unravel the mechanistic role of sialylation-related genes in sepsis-induced acute respiratory distress syndrome. *Frontiers in immunology*, 16, 1528769.

Chen C, et al. (2025) From genetic causality to druggable targets: A multiomics framework identifies ZSCAN16 in gout pathogenesis. *Science progress*, 108(4), 368504251407179.

Li J, et al. (2025) Comprehensive Proteomic Profiling of Exfoliation Glaucoma Via Mass Spectrometry Reveals SVEP1 as a Potential Biomarker. *Investigative ophthalmology & visual science*, 66(3), 19.

Gui J, et al. (2025) Proteome-Wide and Immune Cell Phenotype Mendelian Randomization Highlights Immune Involvement in Genetic Generalized Epilepsy. *Brain and behavior*, 15(6), e70625.

Huang K, et al. (2025) Genetic targets related to aging for the treatment of coronary artery disease. *BMC medical genomics*, 18(1), 66.

Chen J, et al. (2025) Blood metabolites as mediators in erectile dysfunction: insights from a multi-center proteomics and genetic study. *Frontiers in pharmacology*, 16, 1568780.

Xiao Q, et al. (2025) Exploring the Molecular Mechanisms of Autophagy-related Genes in Hepatic Ischemia/Reperfusion Injury Using Bioinformatics. *Transplantation direct*, 11(7), e1829.

Lian K, et al. (2025) Novel Insights into Schizophrenia Treatment: Comprehensive Analysis Unveiling FGFR1 as a Promising Druggable Gene. *Molecular neurobiology*, 62(12), 15550.

Yang X, et al. (2025) CHST3, PGBD5, and SLIT2 can be identified as potential genes for the diagnosis and treatment of osteoporosis and sarcopenia. *Scientific reports*, 15(1), 374.