

Resource Summary Report

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ssGSEA 2.0

RRID:SCR_026610

Type: Tool

Proper Citation

ssGSEA 2.0 (RRID:SCR_026610)

Resource Information

URL: <https://github.com/broadinstitute/ssGSEA2.0>

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Description: Software application as updated version of original ssGSEA R-implementation. Depending on the input dataset and chosen database (gene sets or PTM signatures), the software performs either ssGSEA or PTM-SEA, respectively.

Synonyms: ssGSEA2.0/PTM-SEA, Single sample Gene Set Enrichment analysis (ssGSEA) and PTM Enrichment Analysis (PTM-SEA)

Resource Type: source code, software resource

Keywords: Single sample Gene Set Enrichment analysis, PTM Enrichment Analysis,

Availability: Free, Available for download, Freely available

Resource Name: ssGSEA 2.0

Resource ID: SCR_026610

License URLs: <https://github.com/broadinstitute/ssGSEA2.0?tab=License-1-over-file#readme>

Record Creation Time: 20250320T060329+0000

Record Last Update: 20260810T040913+0000

Ratings and Alerts

No rating or validation information has been found for ssGSEA 2.0.

No alerts have been found for ssGSEA 2.0.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Hu YM, et al. (2026) Elevated Tumor-Associated Androgen Receptor Activity Correlates with Poor Immune Infiltration and Immunotherapy Response across Cancer Types. Cancer research communications, 6(1), 17.

Keshishian H, et al. (2026) Integrative Multi-omics Analysis of the Human Skeletal Muscle Response to Endurance or Resistance Exercise: Findings from the Molecular Transducers of Physical Activity Consortium (MoTrPAC). bioRxiv : the preprint server for biology.

Das D, et al. (2026) Immune landscape of gingivo-buccal oral cancer indicates high enrichment of immune-related gene sets in tumors of a large proportion of patients. Molecular medicine (Cambridge, Mass.), 32(1).

Liu W, et al. (2026) Proteomic analysis across Healthy-NAT-Tumor tissues uncovers clinically relevant biological events in esophageal squamous cell carcinoma. Briefings in bioinformatics, 27(2).

He Y, et al. (2026) Nanoparticulate Immunoactive Complex for Local Chemoimmunotherapy: From Murine Models to Pilot Canine Study. Cancer research communications, 6(6), 1455.

Luan Y, et al. (2026) Comparative Proteomic Profiling of Microdissected Spindle and Epithelioid Uveal Melanoma Subtypes. Investigative ophthalmology & visual science, 67(4), 32.

Barcelo J, et al. (2026) Pan-cancer analysis reveals Rho kinase addiction as a vulnerability of de-differentiated cancer cells. iScience, 29(6), 116031.

Tanaka A, et al. (2025) Proteogenomic profiling of soft tissue leiomyosarcoma reveals distinct molecular subtypes with divergent outcomes and therapeutic vulnerabilities. bioRxiv : the preprint server for biology.

Jaehnig EJ, et al. (2025) Proteogenomic analysis of the CALGB 40601 (Alliance) HER2+ breast cancer neoadjuvant trial reveals resistance biomarkers. Cell reports. Medicine, 6(6), 102154.

Li C, et al. (2025) LKB1 regulates JNK-dependent stress signaling and apoptotic dependency of KRAS-mutant lung cancers. Nature communications, 16(1), 4112.

Lee MR, et al. (2025) Organoid morphology-guided classification for oral cancer reveals prognosis. Cell reports. Medicine, 6(5), 102129.

Vlachavas EI, et al. (2025) Molecular and functional profiling unravels targetable vulnerabilities in colorectal cancer. *Molecular oncology*, 19(6), 1751.

Tanaka A, et al. (2025) Deep proteogenomic characterization of pancreatic solid pseudopapillary neoplasm reveals unique features distinct from other pancreatic tumors. *Biomarker research*, 13(1), 159.

Bajpai P, et al. (2025) Differential gene expression profiles of pancreatic ductal adenocarcinomas among African American and Caucasian American patients. *Translational oncology*, 59, 102466.

Chen C, et al. (2025) Multi-omics protein signaling networks identify sex-specific therapeutic candidates in lung adenocarcinoma. *Biology of sex differences*, 16(1), 71.

Su H, et al. (2025) Proteogenomic characterization reveals tumorigenesis and progression of lung cancer manifested as subsolid nodules. *Nature communications*, 16(1), 2414.

van Bentum M, et al. (2025) Spike-in enhanced phosphoproteomics uncovers synergistic signaling responses to MEK inhibition in colon cancer cells. *Nature communications*, 16(1), 4884.

Deng EB, et al. (2025) A Tonic Signaling Code Predicts CAR-T Cell Efficacy in Diffuse Midline Glioma. *bioRxiv : the preprint server for biology*.

Mesropian A, et al. (2025) E7386 Enhances Lenvatinib's Antitumor Activity in Preclinical Models and Human Hepatocellular Carcinoma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(23), 5037.

Neill NJ, et al. (2025) Integrative Proteogenomics and Forward Genetics Reveal a Novel Mitotic Vulnerability in Triple-Negative Breast Cancer. *Cancer discovery*, 15(11), 2326.