

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.

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

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.

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.
- Lee MR, et al. (2025) Organoid morphology-guided classification for oral cancer reveals prognosis. *Cell reports. Medicine*, 6(5), 102129.
- Bajpai P, et al. (2025) Differential gene expression profiles of pancreatic ductal adenocarcinomas among African American and Caucasian American patients. *Translational oncology*, 59, 102466.
- Su H, et al. (2025) Proteogenomic characterization reveals tumorigenesis and progression of lung cancer manifested as subsolid nodules. *Nature communications*, 16(1), 2414.
- 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.
- 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.
- 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.
- Deng EB, et al. (2025) A Tonic Signaling Code Predicts CAR-T Cell Efficacy in Diffuse Midline Glioma. *bioRxiv : the preprint server for biology*.
- 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.