## **Resource Summary Report**

Generated by NIF on Apr 28, 2025

# **ComplexHeatmap**

RRID:SCR\_017270

Type: Tool

## **Proper Citation**

ComplexHeatmap (RRID:SCR\_017270)

#### **Resource Information**

**URL:** https://bioconductor.org/packages/release/bioc/html/ComplexHeatmap.html

**Proper Citation:** ComplexHeatmap (RRID:SCR\_017270)

**Description:** Software package to arrange multiple heatmaps and support various annotation graphics. Used to visualize associations between different sources of data sets and to reveal potential patterns.

**Resource Type:** data processing software, software resource, data analysis software, data visualization software, software application

**Defining Citation:** PMID:27207943

Keywords: arrange, multiple, heatmap, visualize, data, pattern, genomic, dataset, bio.tools

**Funding:** German Cancer Research Center-Heidelberg Center for Personalized Oncology; BMBF

Availability: Free, Available for download, Freely available

Resource Name: ComplexHeatmap

Resource ID: SCR\_017270

Alternate IDs: biotools:complexheatmap

Alternate URLs: https://github.com/jokergoo/ComplexHeatmap,

https://bio.tools/complexheatmap

License: MIT licence

**Record Creation Time:** 20220129T080334+0000

Record Last Update: 20250428T054048+0000

### Ratings and Alerts

No rating or validation information has been found for ComplexHeatmap.

No alerts have been found for ComplexHeatmap.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 2343 mentions in open access literature.

**Listed below are recent publications.** The full list is available at NIF.

Symonds ALJ, et al. (2025) Memory Phenotype Tfh Cells Develop Without Overt Infection and Support Germinal Center Formation and B Cell Responses to Viral Infection. European journal of immunology, 55(1), e202451291.

Gattoni G, et al. (2025) An ancient apical patterning system sets the position of the forebrain in chordates. Science advances, 11(4), eadq4731.

Long JP, et al. (2025) Urine proteomics defines an immune checkpoint-associated nephritis signature. Journal for immunotherapy of cancer, 13(1).

Morey-Yagi SR, et al. (2025) Expression of spider silk protein in tobacco improves drought tolerance with minimal effects on its mechanotype. The Plant journal: for cell and molecular biology, 121(2), e17213.

Chiou LF, et al. (2025) The RING Finger E3 Ligase RNF25 Protects DNA Replication Forks Independently of its Canonical Roles in Ubiquitin Signaling. bioRxiv: the preprint server for biology.

Zhou S, et al. (2025) The cGAS-STING-interferon regulatory factor 7 pathway regulates neuroinflammation in Parkinson's disease. Neural regeneration research, 20(8), 2361.

He Y, et al. (2025) Construction and evaluation of a prognostic model of autophagy-related genes in hepatocellular carcinoma. Biochemistry and biophysics reports, 41, 101893.

Neugebauer E, et al. (2025) Herpesviruses mimic zygotic genome activation to promote viral replication. Nature communications, 16(1), 710.

Huber MK, et al. (2025) Beta cell dysfunction occurs independently of insulitis in type 1 diabetes pathogenesis. bioRxiv: the preprint server for biology.

Pongma C, et al. (2025) Effect of mRNA formulated with lipid nanoparticles on the transcriptomic and epigenetic profiles of F4/80+?liver-associated macrophages. Scientific reports, 15(1), 1146.

Luo Y, et al. (2025) Exploring the impacts of senescence on implantation and early embryonic development using totipotent cell-derived blastoids. Journal of advanced research, 68, 115.

Elhinnawi MA, et al. (2025) GPNMB is a novel binding partner of FGFR1 that affects tumorigenic potential through AKT phosphorylation in TNBC. Cancer science, 116(2), 432.

Midot F, et al. (2025) Temporal dynamics of soil microbial C and N cycles with GHG fluxes in the transition from tropical peatland forest to oil palm plantation. Applied and environmental microbiology, 91(1), e0198624.

Xia J, et al. (2025) TPD52 as a Therapeutic Target Identified by Machine Learning Shapes the Immune Microenvironment in Breast Cancer. Journal of cellular and molecular medicine, 29(1), e70333.

Bergmann T, et al. (2025) Identification of Quantitative Trait Loci (QTLs) and candidate genes for trichome development in Brassica villosa using genetic, genomic, and transcriptomic approaches. Molecular genetics and genomics: MGG, 300(1), 13.

Tian Y, et al. (2025) CCR5 and IL-12 co-expression in CAR T cells improves antitumor efficacy by reprogramming tumor microenvironment in solid tumors. Cancer immunology, immunotherapy: CII, 74(2), 55.

Faraji F, et al. (2025) YAP-driven malignant reprogramming of oral epithelial stem cells at single cell resolution. Nature communications, 16(1), 498.

Zhang X, et al. (2025) Intestinal TM6SF2 protects against metabolic dysfunction-associated steatohepatitis through the gut-liver axis. Nature metabolism, 7(1), 102.

Stevens AR, et al. (2025) Evaluation of transcriptomic changes after photobiomodulation in spinal cord injury. Scientific reports, 15(1), 3193.

Liu L, et al. (2025) Revealing the role of cancer-associated fibroblast senescence in prognosis and immune landscape in pancreatic cancer. iScience, 28(1), 111612.