Resource Summary Report

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SARTools

RRID:SCR_016533

Type: Tool

Proper Citation

SARTools (RRID:SCR_016533)

Resource Information

URL: https://github.com/PF2-pasteur-fr/SARTools

Proper Citation: SARTools (RRID:SCR_016533)

Description: Software package as a DESeq2- and EdgeR-Based R Pipeline for

Comprehensive Differential Analysis of RNA-Seq Data.

Resource Type: software application, software toolkit, data analysis software, data

processing software, software resource

Defining Citation: PMID:27280887

Keywords: R package, DESeq2, EdgeR, comprehensive, analysis, RNAseq, data, bio.tools

Funding: the France Génomique National Infrastructure

Availability: Free, Available for download, Freely available

Resource Name: SARTools

Resource ID: SCR_016533

Alternate IDs: biotools:sartools

Alternate URLs: https://bio.tools/sartools

Record Creation Time: 20220129T080331+0000

Record Last Update: 20250517T060258+0000

Ratings and Alerts

No rating or validation information has been found for SARTools.

No alerts have been found for SARTools.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 119 mentions in open access literature.

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

Ramanauskas K, et al. (2025) Rapid detection of RNase-based self-incompatibility in Lysimachia monelli (Primulaceae). American journal of botany, 112(1), e16449.

Tornillo G, et al. (2024) Conditional in vivo deletion of LYN kinase has little effect on a BRCA1 loss-of-function-associated mammary tumour model. Disease models & mechanisms, 17(1).

Charou D, et al. (2024) Comprehensive characterization of the neurogenic and neuroprotective action of a novel TrkB agonist using mouse and human stem cell models of Alzheimer's disease. Stem cell research & therapy, 15(1), 200.

Saotome M, et al. (2024) Genomic transcription factor binding site selection is edited by the chromatin remodeling factor CHD4. Nucleic acids research, 52(7), 3607.

Joulia E, et al. (2024) Eomes-dependent mitochondrial regulation promotes survival of pathogenic CD4+ T cells during inflammation. The Journal of experimental medicine, 221(2).

Rai LS, et al. (2024) Metabolic reprogramming during Candida albicans planktonic-biofilm transition is modulated by the transcription factors Zcf15 and Zcf26. PLoS biology, 22(6), e3002693.

Carril G, et al. (2024) Differential Transcriptomic Profile of Piscirickettsia salmonis LF-89 and EM-90 During an In Vivo Spatial Separation Co-Culture in Atlantic Salmon. Microorganisms, 12(12).

Barrault M, et al. (2024) Staphylococcal aconitase expression during iron deficiency is controlled by an sRNA-driven feedforward loop and moonlighting activity. Nucleic acids research, 52(14), 8241.

Lu L, et al. (2024) Different metazoan parasites, different transcriptomic responses, with new insights on parasitic castration by digenetic trematodes in the schistosome vector snail

Biomphalaria glabrata. BMC genomics, 25(1), 608.

Tawfik MM, et al. (2024) Modulation of metabolic and immunoregulatory pathways in the gut transcriptome of Atlantic salmon (Salmo salar L.) after early nutritional programming during first feeding with plant-based diet. Frontiers in immunology, 15, 1412821.

Kallemi P, et al. (2024) Stress-related transcriptomic changes associated with GFP transgene expression and active transgene silencing in plants. Scientific reports, 14(1), 13314.

Shao L, et al. (2024) Active natural compounds perturb the melanoma risk-gene network. G3 (Bethesda, Md.), 14(2).

Zhang T, et al. (2024) APOBEC shapes tumor evolution and age at onset of lung cancer in smokers. bioRxiv: the preprint server for biology.

Lambert C, et al. (2024) The double-edged role of FASII regulator FabT in Streptococcus pyogenes infection. Nature communications, 15(1), 8593.

Mthembu M, et al. (2024) Dysfunctional bronchoalveolar effector memory CD8+ T cells in tuberculosis-exposed people living with antiretroviral-naïve HIV infection. iScience, 27(11), 111137.

Gerges E, et al. (2024) Lsr2, a pleiotropic regulator at the core of the infectious strategy of Mycobacterium abscessus. Microbiology spectrum, 12(3), e0352823.

Bhardwaj A, et al. (2024) Lymphocytic colitis can be transcriptionally divided into channelopathic and inflammatory lymphocytic colitis. United European gastroenterology journal, 12(6), 737.

Mistretta M, et al. (2024) Dynamic microfluidic single-cell screening identifies pheno-tuning compounds to potentiate tuberculosis therapy. Nature communications, 15(1), 4175.

Malone CF, et al. (2024) The KAT module of the SAGA complex maintains the oncogenic gene expression program in MYCN-amplified neuroblastoma. Science advances, 10(22), eadm9449.

Morot A, et al. (2024) Genetic Insights into Biofilm Formation by a Pathogenic Strain of Vibrio harveyi. Microorganisms, 12(1).