

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: data processing software, software toolkit, data analysis software, software resource, software application

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: 20260731T043003+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 136 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

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

Ellegaard-Jensen L, et al. (2025) Concurrent stimulation of diflufenican biodegradation and changes in the active microbiome in gravel revealed by Total RNA. *Microbiology spectrum*, 13(10), e0016425.

Santos L, et al. (2025) Adipocyte-specific deletion of *Dhc1* does not recapitulate healthy obesity phenotype but suggests regulation of inflammation signaling. *PloS one*, 20(5), e0322732.

Yang C, et al. (2025) sPLA2-IIA modifies progranulin deficiency phenotypes in mouse models. *Molecular neurodegeneration*, 20(1), 72.

Brito Rodrigues P, et al. (2025) Integrative metagenomics and metabolomics reveal age-associated gut microbiota and metabolite alterations in a hamster model of COVID-19. *Gut microbes*, 17(1), 2486511.

Tsoulia T, et al. (2025) Effects of glucocorticoid receptor activation on gene expression and antiviral responses in Atlantic salmon (*Salmo salar* L.) red blood cells. *Veterinary research*, 56(1), 188.

Hatano K, et al. (2025) Gene expression dataset of the blood clam *Anadara kagoshimensis* in relation to anoxic stress. *Data in brief*, 59, 111341.

Maldonado-Agurto R, et al. (2025) Seasonal transcriptome profile across three different tissues of the Andean Killifish *Orestias ascotanensis*. *Scientific data*, 12(1), 976.

Golfaroush P, et al. (2025) An activator of phosphatidylinositol 3-kinase α restores cardioprotection from ischaemia/reperfusion injury in mice with coronary atherosclerosis or insulin resistance. *Cardiovascular research*, 121(11), 1722.

Rask GC, et al. (2025) Seclidemstat (SP-2577) Induces Transcriptomic Reprogramming and Cytotoxicity in Multiple Fusion-Positive Sarcomas. *Cancer research communications*, 5(9), 1584.

- Saunier M, et al. (2025) Deciphering the RNA-based regulation mechanism of the phage-encoded AbiF system in *Clostridioides difficile*. *PLoS genetics*, 21(8), e1011831.
- Papadaki M, et al. (2025) Exploring the Fanconi Anemia Gene Expression and Regulation by MicroRNAs in Gilthead Seabream (*Sparus aurata*) at Different Gonadal Development Stages. *Marine biotechnology* (New York, N.Y.), 27(2), 74.
- Zmarlak-Feher NM, et al. (2025) Functional characterization of transcriptional enhancers in an *Anopheles* genetic locus controlling natural resistance to the malaria parasite, *Plasmodium falciparum*. *Epigenetics & chromatin*, 18(1), 37.
- Clark TC, et al. (2025) Immune cell-resolved transcriptomics provides insights into the basis for variations of fish genetic resistance to viral disease. *BMC biology*, 23(1), 348.
- Gunarathna SD, et al. (2025) Open chromatin-guided interpretable machine learning reveals cancer-specific chromatin features in cell-free DNA. *Communications biology*, 8(1), 1554.
- Zhang T, et al. (2025) APOBEC affects tumor evolution and age at onset of lung cancer in smokers. *Nature communications*, 16(1), 4711.
- Nishikawa A, et al. (2025) Acute toxicity of local anesthetics used for humans and other animals in the larvae of marine crustacean, red-clawed crab *Chiromantes haematocheir*. *The Journal of veterinary medical science*, 87(11), 1285.
- Kim S, et al. (2025) Cdkn1a silencing restores myoblast differentiation by inducing selective apoptosis in senescent cells. *Cellular & molecular biology letters*, 30(1), 53.
- 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).
- 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.