

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

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: 20260905T132810+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 151 mentions in open access literature.

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

Chanoumidou K, et al. (2026) Targeting p75NTR activity alleviates the neurotoxic effect of high glucose on iPSC-derived dopaminergic neurons. *Stem cell research & therapy*, 17(1).

Takada M, et al. (2026) Exploring the mechanism of action of abemaciclib in breast cancer through circulating chromatin fragments. *Communications medicine*, 6(1).

Mekuli R, et al. (2026) Iron limitation promotes metabolic cross-feeding between cheese ripening bacteria. *The ISME journal*, 20(1).

Aunan A, et al. (2026) Transcriptomic profiling of co-cultured cancer-host cells identifies hypoxia as a driver of the skeletal muscle cell's anti-proliferative effect on cancer cells. *Oncogenesis*, 15(1), 7.

Ahmad T, et al. (2026) KDM7B-mediated demethylation of RNF113A regulates small cell lung cancer sensitivity to alkylation damage. *bioRxiv : the preprint server for biology*.

Cozmescu CA, et al. (2026) Safety and efficacy analysis of in vivo lentiviral gene therapy in pre-clinical ARC syndrome models. *Nature communications*, 17(1).

Weight CM, et al. (2026) Disease-Attenuated Pneumococcal Biosynthesis Gene Mutants Invade the Mucosal Epithelium and Induce Innate Immunity. *The Journal of infectious diseases*, 233(5), e1141.

Gouhier T, et al. (2026) Nonsense-mediated mRNA decay factors target short poly(A)-tailed mRNAs lacking a premature termination codon. *Nature communications*, 17(1).

Taslim C, et al. (2026) RNA-SeqEZPZ: a point-and-click pipeline for comprehensive transcriptomics analysis with interactive visualizations. *GigaScience*, 15.

Kortebi M, et al. (2026) Bacterial chromatin remodeling associated with transcription-induced domains at pathogenicity Islands. *Nature communications*, 17(1), 161.

Turner CT, et al. (2026) Evolution of the tuberculin skin test reveals generalisable Mtb-reactive T cell metaclones. *Nature communications*, 17(1).

- Kapoor S, et al. (2026) In vivo AGO-APP for cell-type- and compartment-specific miRNA profiling in the mouse brain. *Cell reports methods*, 6(1), 101267.
- 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.
- 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.
- Maldonado-Agurto R, et al. (2025) Seasonal transcriptome profile across three different tissues of the Andean Killifish *Orestias ascotanensis*. *Scientific data*, 12(1), 976.