

Resource Summary Report

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Subread

RRID:SCR_009803

Type: Tool

Proper Citation

Subread (RRID:SCR_009803)

Resource Information

URL: <http://subread.sourceforge.net/>

Proper Citation: Subread (RRID:SCR_009803)

Description: Software package for high-performance read alignment, quantification and mutation discovery. General purpose read aligner which can be used to map both genomic DNA-seq reads and RNA-seq reads. Subread aligner as fast, accurate and scalable read mapping by seed-and-vote. These programs were also implemented in Bioconductor R package Rsubread.

Resource Type: data processing software, software application, software resource

Defining Citation: [PMID:23558742](#)

Keywords: read alignment, DNA-seq reads mapping, RNA-seq reads mapping, mutation discovery, , bio.tools

Funding: Australian Government ;
Australian National Health and Medical Research Council ;
Victorian State Government Operational Infrastructure Support

Availability: Free, Freely available

Resource Name: Subread

Resource ID: SCR_009803

Alternate IDs: OMICS_01255, biotools:subread

Alternate URLs: <https://bio.tools/subread>, <https://sources.debian.org/src/subread/>

Record Creation Time: 20220129T080255+0000

Record Last Update: 20260829T182853+0000

Ratings and Alerts

No rating or validation information has been found for Subread.

No alerts have been found for Subread.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2138 mentions in open access literature.

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

Ye Y, et al. (2026) DCPS modulates TDP-43-linked neurodegeneration through P-body-mediated RNA decay. *Neuron*, 114(11), 1970.

Chen J, et al. (2026) Genomic and transcriptomic analysis of yield enhancement mechanism of lipopeptide iturin W by tryptone supplementation. *Microbiology spectrum*, 14(1), e0324725.

Zhang Q, et al. (2026) Integrated analysis of DNA methylation and transcriptome profiles in broiler heart and lung tissues reveals epigenetic regulatory mechanisms underlying ascites syndrome. *Poultry science*, 105(1), 106034.

Dong S, et al. (2026) Metabolomic and Single-Cell Transcriptomic Analyses Shed Light on Secondary Metabolite Profiling and Potential Developmental Dynamics of Glandular Trichomes in *Artemisia argyi*. *Plant biotechnology journal*, 24(3), 1064.

Ali MM, et al. (2026) TGF β signaling promotes cell cycle progression and resistance to the CDK4/6 inhibitor palbociclib through SOX4 transcriptional modulation in breast cancer cells. *Cell death & disease*, 17(1), 209.

Horikawa S, et al. (2026) Gene expression profiling to elucidate the promotive effects of the volatile organic compound 3-octanone on the mycelial growth of *Ganoderma lucidum*. *Biotechnology letters*, 48(1), 32.

Camillo C, et al. (2026) Ex Vivo Hypothermic Perfusion Enables 48-Hour Heart Preservation and Bench-Top Functional Recovery via Normothermic Reperfusion in a Porcine Model. *Journal of the American Heart Association*, 15(7), e045800.

Beg AZ, et al. (2026) T6SS mutants exploit itaconate to support infection of phagocytes. *bioRxiv* : the preprint server for biology.

Duggan E, et al. (2026) Phospholipid Glutathione Peroxidase Overexpression Mitigates Cancer Cachexia by Protecting Muscle Mass and Lowering Inflammation. *Journal of cachexia, sarcopenia and muscle*, 17(2), e70255.

Alcala A, et al. (2026) A non-canonical role for UPRER during heat stress in *C. elegans*. bioRxiv : the preprint server for biology.

Lyman LR, et al. (2026) DtxR is a global iron-dependent regulatory protein with multiple roles in the control of gene expression in *Corynebacterium diphtheriae*. Journal of bacteriology, 208(3), e0053025.

Gai C, et al. (2026) Orange-Derived Extracellular Vesicles: Characterization and Therapeutic Applications in Normal and Diabetic Wound Healing in In Vivo Models. Cells, 15(3).

Stoiber S, et al. (2026) [18F]FDG PET/CT multiomics identifies Hedgehog-driven HPV-negative head and neck squamous cell carcinoma. Molecular cancer, 25(1).

Jeffries MA, et al. (2026) Exposure to Frontline Antiretroviral Dolutegravir Disrupts Oligodendrocyte Development Across Differentiation Stages. ASN neuro, 18(1), 2647877.

Cale NL, et al. (2026) Dual RNA sequencing reveals the transcriptomic and cellular response of *Cannabis sativa* to infection by the fungal pathogen *Sclerotinia sclerotiorum*. Scientific reports, 16(1).

Mangalaparthy KK, et al. (2026) Proteomic profiling revealed unique disease biology associated with 1q abnormalities in multiple myeloma. NPJ precision oncology, 10(1).

Long G, et al. (2026) Hepatocyte-derived LRG1 primes the liver for metastasis and impairs immunotherapy. Cellular & molecular immunology, 23(5), 560.

Chiu YL, et al. (2026) Elucidating the vasoprotective mechanism of Tetrahydrocurcumin: from unbiased transcriptomic discovery to targeted validation of the PI3K/AKT pathway. BMC complementary medicine and therapies, 26(1).

Tsopoulidis N, et al. (2026) Modulation of Nudt21 levels reveals dose-dependent roles of alternative polyadenylation in tissue regeneration. Nature communications, 17(1).

Wu Z, et al. (2026) Loss of SOCS1 in Donor T Cells Exacerbates Intestinal GVHD by Driving a Chemokine-Dependent Pro-Inflammatory Immune Microenvironment. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(18), e13735.