

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: 20260821T193912+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 [dkNET](#) .

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.

Isnard P, et al. (2026) The Spatially Resolved Kidney Transcriptome Signatures in Rat Models of Trauma-Induced Acute Kidney Injury. *Kidney360*, 7(4), 711.

Zhang Z, et al. (2026) Metformin Restores Mitochondrial Function and Neurogenesis in POLG Patient-Derived Brain Organoids. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(4), e17721.

Zou S, et al. (2026) Transcriptome-level dissection provides unique insights into the salt tolerance in spelt (*Triticum spelta* L.). *BMC plant biology*, 26(1).

Lee SH, et al. (2026) Systematic Profiling of Essential Fungal Transcription Factors Uncovers Ezt1 as a Central Pathobiological and Morphogenic Regulator in *Cryptococcus neoformans*. *bioRxiv : the preprint server for biology*.

Deng Z, et al. (2026) BNIP3-Dependent Mitophagy Non-Autonomously Regulates Systemic Aging via NF- κ B Suppression in *Drosophila*. *Aging cell*, 25(5), e70539.

Kim HB, et al. (2026) Dose-dependent hormone actions at estrogen receptor enhancers specify distinct molecular and biological outcomes. *Science advances*, 12(23), eaec2424.

Todaka D, et al. (2026) Ethanol application enhances freezing stress tolerance in *Arabidopsis* and sugar beet. *Plant molecular biology*, 116(3).

Xu X, et al. (2026) Identification of the RcbZIP gene family in *Rubus Chingii* and analysis of the regulation of flavonoid synthesis by RcbZIP1 and RcbZIP12. *Frontiers in plant science*, 17, 1769751.

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.

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).

David ZA, et al. (2026) Biopreservative Potential of Indigenous Lactic Acid Bacteria From Fermented *Dacryodes edulis* Seeds: A Novel Approach for Sustainable Food Safety in West African Traditional Foods. *Food science & nutrition*, 14(3), e71410.

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.

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.

Mangalaparathi 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).

Zhao X, et al. (2026) Machine and Deep Learning Reveal Sequence Determinants Encoding Bivalent Histone Modifications. *Communications biology*, 9(1).