Resource Summary Report

Generated by Kravitz on Sep 10, 2026

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: 20260905T133046+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 Kravitz .

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-??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.

Mangalaparthi 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).