**Subread**

RRID:SCR_009803  
Type: Tool

**Proper Citation**

Subread (RRID:SCR_009803)

**Resource Information**


**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:** software application, data processing software, software resource

**Defining Citation:** PMID:23558742

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

**Funding Agency:** Australian National Health and Medical Research Council, Victorian State Government Operational Infrastructure Support, Australian Government

**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/
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 1229 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.


Daily KP, et al. (2024) DNA hypomethylation promotes the expression of CASPASE-4 which exacerbates inflammation and amyloid-β deposition in Alzheimer's disease. Alzheimer's research & therapy, 16(1), 29.


Creff J, et al. (2024) Apelin-VEGF-C mRNA delivery as therapeutic for the treatment of secondary lymphedema. EMBO molecular medicine, 16(2), 386.


Teng PN, et al. (2024) ProteoMixture: A cell type deconvolution tool for bulk tissue proteomic data. iScience, 27(3), 109198.

Ting KKY, et al. (2024) Oxidized Low-Density Lipoprotein Accumulation in Macrophages Impairs Lipopolysaccharide-Induced Activation of AKT2, ATP Citrate Lyase, Acetyl-Coenzyme A Production, and Inflammatory Gene H3K27 Acetylation. ImmunoHorizons, 8(1), 57.


