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

**References:** PMID:23558742

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

**Parent Organization:** University of Melbourne; Victoria; Australia

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

**Related resources:** Rsubread

**Availability:** Free, Freely available

**Website Status:** Last checked up
**Resource Name:** Subread

**Resource ID:** SCR_009803

**Alternate IDs:** OMICS_01255, biotools:subread

**Alternate URLs:** https://bio.tools/subread

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**Ratings and Alerts**

No rating or validation information has been found for Subread.

No alerts have been found for Subread.

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**Data and Source Information**

**Source:** [SciCrunch Registry](https://scicrunch.org)

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**Usage and Citation Metrics**

We found 395 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](https://scicrunch.org).

Russell JP, et al. (2021) Pituitary stem cells produce paracrine WNT signals to control the expansion of their descendant progenitor cells. eLife, 10.


Bowman ER, et al. (2020) Macrophage maturation from blood monocytes is altered in people with HIV, and is linked to serum lipid profiles and activation indices: A model for studying atherogenic mechanisms. PLoS pathogens, 16(10), e1008869.


Oo JA, et al. (2020) ZNF354C is a transcriptional repressor that inhibits endothelial angiogenic sprouting. Scientific reports, 10(1), 19079.


Islam ABMMK, et al. (2020) Lung transcriptome of a COVID-19 patient and systems biology predictions suggest impaired surfactant production which may be druggable by surfactant therapy. Scientific reports, 10(1), 19395.