

# Resource Summary Report

Generated by [NIF](#) on Aug 28, 2026

## casper

RRID:SCR\_006613

Type: Tool

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### Proper Citation

casper (RRID:SCR\_006613)

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### Resource Information

**URL:** <http://bioconductor.org/packages/release/bioc/html/casper.html>

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**Description:** Software to infer alternative splicing from paired-end RNA-seq data. The model is based on counting paths across exons, rather than pairwise exon connections, and estimates the fragment size and start distributions non-parametrically, which improves estimation precision.

**Abbreviations:** casper

**Synonyms:** casper - Characterization of Alternative Splicing based on Paired-End Reads, Characterization of Alternative Splicing based on Paired-End Reads

**Resource Type:** software resource

**Keywords:** bio.tools

**Availability:** GNU General Public License, v2 or greater

**Resource Name:** casper

**Resource ID:** SCR\_006613

**Alternate IDs:** biotools:casper, OMICS\_01270

**Alternate URLs:** <https://bio.tools/casper>

**Record Creation Time:** 20220129T080237+0000

**Record Last Update:** 20260815T182325+0000

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### Ratings and Alerts

No rating or validation information has been found for casper.

No alerts have been found for casper.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 152 mentions in open access literature.

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

Gee CM, et al. (2026) Targeting spinal cord perfusion pressure in acute spinal cord injury through cerebrospinal fluid drainage: A prospective multi-center clinical trial. PLoS medicine, 23(2), e1004925.

Arora S, et al. (2026) Beyond Histology: A Unified Transcriptomic Atlas Defines Lung Cancer Biologic States and Subtypes. bioRxiv : the preprint server for biology.

Gai J, et al. (2026) Evaluating the Effect of National Background Check Program on Nursing Home Deficiency Citations. Health services research, 61(2), e70108.

Song M, et al. (2025) Benchmarking copy number aberrations inference tools using single-cell multi-omics datasets. Briefings in bioinformatics, 26(2).

Luu QQ, et al. (2025) Therapeutic Potential of Arginine-Loaded Red Blood Cell Nanovesicles Targeting Obese Asthma. Mediators of inflammation, 2025, 8248722.

Banks PW, et al. (2025) Multiple Mini Interviews vs Traditional Interviews: Investigating Racial and Socioeconomic Differences in Interview Processes. Advances in medical education and practice, 16, 157.

Ortiz-Ortiz M, et al. (2025) Entomological survey to determine the role of cisterns in the production of Aedes aegypti in the U.S. Virgin Islands. PloS one, 20(9), e0329222.

Lee HK, et al. (2025) Predictors of Treatment Response to Fecal Microbiota Transplantation in Irritable Bowel Syndrome: A Pilot Study. Journal of neurogastroenterology and motility, 31(4), 462.

Xu H, et al. (2025) Medicaid Payments and Racial and Ethnic Disparities in Alzheimer Disease Special Care Units. JAMA network open, 8(8), e2525057.

Zhang L, et al. (2025) Murine cell lines with defined mutations model different histological subtypes of epithelial ovarian cancer. Disease models & mechanisms, 18(7).

Hong SH, et al. (2025) Age- and Sex-Specific Gut Microbiota Signatures Associated with Dementia-Related Brain Pathologies: An LEfSe-Based Metagenomic Study. Brain sciences, 15(6).

Schmid KT, et al. (2025) Benchmarking scRNA-seq copy number variation callers. *Nature communications*, 16(1), 8777.

Mukuria C, et al. (2025) Mapping functions for the PHQ-9 and GAD-7 to generate EQ-5D-3L for economic evaluation. *The European journal of health economics : HEPAC : health economics in prevention and care*, 26(1), 63.

Zheng Y, et al. (2025) Total whole-arm chromosome losses predict malignancy in human cancer. *Proceedings of the National Academy of Sciences of the United States of America*, 122(18), e2505385122.

Kim K, et al. (2025) Robust phylogenetic tree-based microbiome association test using repeatedly measured data for composition bias. *BMC bioinformatics*, 26(1), 75.

Keesee E, et al. (2025) Rural hospital closures and nursing home outcomes. *The Journal of rural health : official journal of the American Rural Health Association and the National Rural Health Care Association*, 41(2), e70026.

Daida YG, et al. (2025) Differences in Coronary Heart Disease and Stroke Incidence Among Single-Race and Multiracial Asian and Pacific Islander Subgroups in Hawaii and California: A Retrospective Cohort Study. *Journal of the American Heart Association*, 14(9), e039076.

Kober AKMH, et al. (2025) Exopolysaccharides from camel milk-derived *Limosilactobacillus reuteri* C66: Structural characterization, bioactive and rheological properties for food applications. *Food chemistry: X*, 25, 102164.

Jara-Servin A, et al. (2025) Microbial Communities in Agave Fermentations Vary by Local Biogeographic Regions. *Environmental microbiology reports*, 17(1), e70057.

Shanel G, et al. (2025) Transcriptional programs of cell identity and p53-induced stress responses are associated with distinctive features of spatial genome organization. *Nucleic acids research*, 53(13).