

Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

[casper](#)

RRID:SCR_006613

Type: Tool

Proper Citation

casper (RRID:SCR_006613)

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: 20260801T190313+0000

Ratings and Alerts

No rating or validation information has been found for casper.

No alerts have been found for casper.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 149 mentions in open access literature.

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

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

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.

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

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

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.

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.

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).

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.

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.

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

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

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

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).

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.

Yalcin K, et al. (2025) Subgroup of meningiomas involving FOS and FOSB gene fusions. *Nature communications*, 16(1), 10532.

Magyari B, et al. (2024) Single-Center Experience with the Balloon-Expandable Myval Transcatheter Aortic Valve System in Patients with Bicuspid Anatomy: Procedural and 30-Day Follow-Up. *Journal of clinical medicine*, 13(2).

Thirimanne HN, et al. (2024) Meningioma transcriptomic landscape demonstrates novel subtypes with regional associated biology and patient outcome. *Cell genomics*, 4(6), 100566.