

# Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 2026

## PASS

RRID:SCR\_005490

Type: Tool

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### Proper Citation

PASS (RRID:SCR\_005490)

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### Resource Information

**URL:** <http://pass.cribi.unipd.it/cgi-bin/pass.pl>

**Proper Citation:** PASS (RRID:SCR\_005490)

**Description:** THIS RESOURCE IS NO LONGER IN SERVICE. Documented on October 19, 2020. A program to align short sequences that has been developed with an innovative strategy to perform fast gapped and ungapped alignment onto a reference sequence. It supports several data formats and allows the user to modulate very finely the sensitivity of the alignments. The program is designed to handle huge amounts of short reads generated by ILLUMINA, SOLiD and Roche-454 technology. The optimization of the internal data structure and a filter based on precomputed short-word alignments allow the program to skip false positives in the extension phase, thus reducing the execution time without loss of sensitivity. The final alignment is performed by dynamic programming., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16, 2025.

**Abbreviations:** PASS

**Synonyms:** PASS: a program to align short sequences

**Resource Type:** software resource

**Defining Citation:** [PMID:19218350](#)

**Keywords:** bio.tools

**Availability:** THIS RESOURCE IS NO LONGER IN SERVICE

**Resource Name:** PASS

**Resource ID:** SCR\_005490

**Alternate IDs:** biotools:pass, OMICS\_00673

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

**Record Creation Time:** 20220129T080230+0000

**Record Last Update:** 20260725T190604+0000

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## Ratings and Alerts

No rating or validation information has been found for PASS.

No alerts have been found for PASS.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 2085 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Mukherjee S, et al. (2025) The alternative polyadenylation regulator CFIm25 promotes macrophage differentiation and activates the NF- $\kappa$ B pathway. Cell communication and signaling : CCS, 23(1), 115.

Ye F, et al. (2025) Comprehensive genome annotation of the model ciliate Tetrahymena thermophila by in-depth epigenetic and transcriptomic profiling. Nucleic acids research, 53(2).

Moon Y, et al. (2025) PolyASite v3.0: a multi-species atlas of polyadenylation sites inferred from single-cell RNA-sequencing data. Nucleic acids research, 53(D1), D197.

Landi A, et al. (2025) Descriptive Analysis of Pediatric Studies Included in the European Union Post-Authorization Study Register from 2010 to 2023. Pediatric reports, 17(1).

de Macedo JFS, et al. (2025) Effects of biobanding on training loads and technical performance of young football players. PloS one, 20(2), e0317432.

Hu Y, et al. (2024) Effect of glucose-insulin-potassium on lactate levels at the end of surgery in patients undergoing cytoreductive surgery combined with hyperthermic intraperitoneal chemotherapy: study protocol for a randomized controlled trial. Trials, 25(1), 708.

Gallicchio L, et al. (2024) A Developmental Mechanism to Regulate Alternative Polyadenylation in an Adult Stem Cell Lineage. bioRxiv : the preprint server for biology.

Findlay SD, et al. (2024) Quantifying negative selection in human 3' UTRs uncovers constrained targets of RNA-binding proteins. Nature communications, 15(1), 85.

Wang D, et al. (2024) Electroencephalography-based biological and functional characteristics of spinal cord injury patients with neuropathic pain and numbness.

Frontiers in neuroscience, 18, 1356858.

Gopu VRMK, et al. (2024) Unsupervised Content Mining in CBIR: Harnessing Latent Diffusion for Complex Text-Based Query Interpretation. Journal of imaging, 10(6).

Shi H, et al. (2024) The efficacy and safety of remimazolam in painless colonoscopy: a prospective, randomized clinical trial. Frontiers in medicine, 11, 1434767.

Zhou W, et al. (2024) Effects of Transcutaneous Electrical Acupoint Stimulation on the Incidence of Hypoxia in Elderly Patients Undergoing Painless Gastrointestinal Endoscopy: A Randomized Controlled Trial. Pain research & management, 2024, 1251246.

Gallicchio L, et al. (2024) A developmental mechanism to regulate alternative polyadenylation in an adult stem cell lineage. Genes & development, 38(13-14), 655.

Ga?nik J, et al. (2024) Comparison of active measurements, lichen biomonitoring, and passive sampling for atmospheric mercury monitoring. Environmental science and pollution research international, 31(24), 35800.

Mao Q, et al. (2024) Protocol for the derivation and culture of murine trophoblast organoids for CRISPR-Cas9 screening. STAR protocols, 5(4), 103405.

Liu W, et al. (2024) Risk-factor analysis of the proximal tibia morphology for secondary ipsilateral injury after anterior cruciate ligament reconstruction: A retrospective cross-sectional study. Medicine, 103(35), e39395.

Liu J, et al. (2024) Perioperative Transcutaneous Electrical Acupoint Stimulation Reduces Postoperative Pain in Patients Undergoing Thoracoscopic Surgery: A Randomized Controlled Trial. Pain research & management, 2024, 5365456.

Zhao JZ, et al. (2024) Chromatin compaction during confined cell migration induces and reshapes nuclear condensates. Nature communications, 15(1), 9964.

Zhang Y, et al. (2023) Effects of different anesthesia methods on postoperative immune function in patients undergoing gastrointestinal tumor resection. Scientific reports, 13(1), 243.

Wang YH, et al. (2023) The effect of ultrasound-guided acupotomy and Juanbi decoction on lumbar disc herniation: A randomized controlled trial. Medicine, 102(1), e32622.