# **Resource Summary Report**

Generated by dkNET on Apr 30, 2025

# **PASS**

RRID:SCR\_005490

Type: Tool

### **Proper Citation**

PASS (RRID:SCR\_005490)

#### **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.

**Abbreviations: PASS** 

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

**Resource Type:** software resource

**Defining Citation: PMID:19218350** 

Keywords: bio.tools

**Funding:** 

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:** 20250420T014253+0000

### Ratings and Alerts

No rating or validation information has been found for PASS.

No alerts have been found for PASS.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 2082 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

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.

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).

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

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.

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

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

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

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.

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.

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.

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

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.

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

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

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.

Hamilton JL, et al. (2023) Sleep influences daily suicidal ideation through affective reactivity to interpersonal events among high-risk adolescents and young adults. Journal of child psychology and psychiatry, and allied disciplines, 64(1), 27.

McDaniel LF, et al. (2023) Clinical and Economic Outcomes After Implementation of a Fidaxomicin Treatment Optimization and Access Pathway at a US Hospital System. Infectious diseases and therapy, 12(1), 95.

Ge X, et al. (2023) Caesarean-section delivery and caries risk of 3-year-old Chinese children: a retrospective cohort study. BMC oral health, 23(1), 373.

Zadorozhny A, et al. (2023) Prediction of pathogenic single amino acid substitutions using molecular fragment descriptors. Bioinformatics (Oxford, England), 39(8).

Horlacher M, et al. (2023) Towards in silico CLIP-seq: predicting protein-RNA interaction via sequence-to-signal learning. Genome biology, 24(1), 180.