

Resource Summary Report

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SHRiMP

RRID:SCR_005496

Type: Tool

Proper Citation

SHRiMP (RRID:SCR_005496)

Resource Information

URL: <http://compbio.cs.toronto.edu/shrimp/>

Proper Citation: SHRiMP (RRID:SCR_005496)

Description: A software package for aligning genomic reads against a target genome.

Abbreviations: SHRiMP

Synonyms: SHRiMP - SHort Read Mapping Package

Resource Type: software resource

Defining Citation: [PMID:21278192](#)

Keywords: next generation sequencing, alignment

Resource Name: SHRiMP

Resource ID: SCR_005496

Alternate IDs: OMICS_00685

Record Creation Time: 20220129T080230+0000

Record Last Update: 20260725T190607+0000

Ratings and Alerts

No rating or validation information has been found for SHRiMP.

No alerts have been found for SHRiMP.

Data and Source Information

Usage and Citation Metrics

We found 207 mentions in open access literature.

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

Darlington KC, et al. (2026) Myeloid Cell Adhesion Molecule 1 (CADM1) Promotes Proinflammatory Signaling in Human Inflammatory Bowel Diseases. Cellular and molecular gastroenterology and hepatology, 20(1), 101618.

Wen J, et al. (2025) Design and Optimization of Hierarchical Porous Metamaterial Lattices Inspired by the Pistol Shrimp's Claw: Coupling for Superior Crashworthiness. Biomimetics (Basel, Switzerland), 10(9).

Ventura A, et al. (2025) Comparative analysis of human Mesenchymal Stromal Cells from Adipose Tissue and Dental Pulp: phenotypic characterization and secretome profiling. Biology direct, 20(1), 111.

Peydayesh M, et al. (2025) Sustainable Smart Packaging from Protein Nanofibrils. Advanced materials (Deerfield Beach, Fla.), 37(22), e2414658.

Kasamechotchung C, et al. (2025) Effect of partial and total replacement of fishmeal by soybean meal in feed on growth and gut performance of *Penaeus vannamei*. Scientific reports, 15(1), 451.

Smith TM, et al. (2024) Oxygen isotopes in orangutan teeth reveal recent and ancient climate variation. eLife, 12.

Benavides IF, et al. (2024) Potential negative impacts of climate change outweigh opportunities for the Colombian Pacific Ocean Shrimp Fishery. Scientific reports, 14(1), 21903.

Bookout T, et al. (2024) Construction of Whole Cell Bacterial Biosensors as an Alternative Environmental Monitoring Technology to Detect Naphthenic Acids in Oil Sands Process-Affected Water. ACS synthetic biology, 13(10), 3197.

Khan A, et al. (2024) Antiviral Shrimp lncRNA06 Possesses Anti-Tumor Activity by Inducing Apoptosis of Human Gastric Cancer Stem Cells in a Cross-Species Manner. Marine drugs, 22(5).

Dilworth J, et al. (2024) Synergistic response to climate stressors in coral is associated with genotypic variation in baseline expression. Proceedings. Biological sciences, 291(2019), 20232447.

Das K, et al. (2024) Considerations for fatty acids in standardized reference diet for parthenogenetic marbled crayfish *Procambarus virginalis* model organism. Scientific reports, 14(1), 15933.

Selvam K, et al. (2024) Elf1 promotes transcription-coupled repair in yeast by using its C-terminal domain to bind TFIIH. *Nature communications*, 15(1), 6223.

Das K, et al. (2024) Considerations for protein and amino acids in standardized reference diet for parthenogenetic marbled crayfish *Procambarus virginalis* model organism. *Scientific reports*, 14(1), 16395.

Ekanayake Weeramange C, et al. (2024) Human papillomavirus (HPV) DNA methylation changes in HPV-associated head and neck cancer. *Carcinogenesis*, 45(3), 140.

Zhang Y, et al. (2024) Virus-Induced Histone Lactylation Promotes Virus Infection in Crustacean. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 11(30), e2401017.

Tian J, et al. (2024) Effects of Dietary *Gracilaria lichenoides* and *Bacillus amyloliquefaciens* on Growth Performance, Antioxidant Capacity, and Intestinal Health of *Penaeus monodon*. *Biology*, 13(4).

Luo Z, et al. (2023) T-Shaped Aptamer-Based LSPR Biosensor Using π -Shaped Fiber Optic for Rapid Detection of SARS-CoV-2. *Analytical chemistry*, 95(2), 1599.

Thepmanee O, et al. (2023) Molecular and cellular characterization of four putative nucleotide transporters from the shrimp microsporidian *Enterocytozoon hepatopenaei* (EHP). *Scientific reports*, 13(1), 20008.

Lv X, et al. (2023) Crustin Defense against *Vibrio parahaemolyticus* Infection by Regulating Intestinal Microbial Balance in *Litopenaeus vannamei*. *Marine drugs*, 21(2).

Park C, et al. (2023) In-situ $\delta^{18}\text{O}$ and $87\text{Sr}/86\text{Sr}$ proxies in an unconformable clastic unit at the Ordovician-Silurian transition. *Scientific reports*, 13(1), 15174.