

Resource Summary Report

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PRISM - Pair Read Informed Split Mapper

RRID:SCR_004812

Type: Tool

Proper Citation

PRISM - Pair Read Informed Split Mapper (RRID:SCR_004812)

Resource Information

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

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Description: Software for split read (reads which span across a structural variant -- SV) mapping and SV calling from the mapping result. It is able to detect small insertions and arbitrary size deletions, inversions and tandem duplications with the direction of discordant read pairs. PRISM_CTX is a tool for detecting inter-chromosome trans-location events.

Abbreviations: PRISM (Pair Read Informed Split Mapper)

Synonyms: PRISM (Pair Read Informed Split Mapper), Pair Read Informed Split Mapper

Resource Type: software resource

Defining Citation: [PMID:22851530](#)

Keywords: structural variant, split read mapping, insertion, deletion, inversion, tandem duplication, discordant read pair, chromosome, trans-location event, duplication, breakpoint, genome

Availability: Free, Public

Resource Name: PRISM - Pair Read Informed Split Mapper

Resource ID: SCR_004812

Alternate IDs: OMICS_02288

Record Creation Time: 20220129T080226+0000

Record Last Update: 20260815T182300+0000

Ratings and Alerts

No rating or validation information has been found for PRISM - Pair Read Informed Split Mapper.

No alerts have been found for PRISM - Pair Read Informed Split Mapper.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Cao J, et al. (2025) Probiotics may improve vaginal microbiota, metabolic disorders and ovarian function-related markers by modulating gut microbiota in POI mice. *BMC microbiology*, 25(1), 375.

Zhao X, et al. (2021) Combination of an engineered *Lactococcus lactis* expressing CXCL12 with light-emitting diode yellow light as a treatment for scalded skin in mice. *Microbial biotechnology*, 14(5), 2090.

Li P, et al. (2021) Vaginal Probiotic *Lactobacillus crispatus* Seems to Inhibit Sperm Activity and Subsequently Reduces Pregnancies in Rat. *Frontiers in cell and developmental biology*, 9, 705690.

Fang X, et al. (2019) Neuroprotective effects of an engineered commensal bacterium in the 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine Parkinson disease mouse model via producing glucagon-like peptide-1. *Journal of neurochemistry*, 150(4), 441.

Huang YA, et al. (2017) ApoE2, ApoE3, and ApoE4 Differentially Stimulate APP Transcription and A β Secretion. *Cell*, 168(3), 427.

Magri G, et al. (2017) Human Secretory IgM Emerges from Plasma Cells Clonally Related to Gut Memory B Cells and Targets Highly Diverse Commensals. *Immunity*, 47(1), 118.

Pirooznia M, et al. (2015) Whole-genome CNV analysis: advances in computational approaches. *Frontiers in genetics*, 6, 138.