Resource Summary Report

Generated by NIF on May 5, 2025

RelocaTE

RRID:SCR_002308

Type: Tool

Proper Citation

RelocaTE (RRID:SCR_002308)

Resource Information

URL: https://github.com/srobb1/RelocaTE

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Description: Software toolkit of a collection of scripts in which short reads (paired or unpaired), a fasta containing the sequences of transposable elements and a reference genome sequence, are the input and the output is a series of files containing the locations of TE insertions in the reference and short reads.

Resource Type: software toolkit, software resource

Defining Citation: PMID:23576519

Keywords: short read, TE insertion, genomic sequencing script, transposable element

Funding:

Availability: Open source, Free

Resource Name: RelocaTE

Resource ID: SCR_002308

Alternate IDs: OMICS 03506

License: BSD License

License URLs: https://github.com/srobb1/RelocaTE/blob/master/LICENSE

Record Creation Time: 20220129T080212+0000

Record Last Update: 20250503T055505+0000

Ratings and Alerts

No rating or validation information has been found for RelocaTE.

No alerts have been found for RelocaTE.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Daigle AT, et al. (2022) Bergerac strains of Caenorhabditis elegans revisited: expansion of Tc1 elements imposes a significant genomic and fitness cost. G3 (Bethesda, Md.), 12(11).

Macko-Podgórni A, et al. (2019) Stowaway miniature inverted repeat transposable elements are important agents driving recent genomic diversity in wild and cultivated carrot. Mobile DNA, 10, 47.

Lu L, et al. (2017) Tracking the genome-wide outcomes of a transposable element burst over decades of amplification. Proceedings of the National Academy of Sciences of the United States of America, 114(49), E10550.

Kang H, et al. (2016) A novel method for identifying polymorphic transposable elements via scanning of high-throughput short reads. DNA research: an international journal for rapid publication of reports on genes and genomes, 23(3), 241.

Makarevitch I, et al. (2015) Transposable elements contribute to activation of maize genes in response to abiotic stress. PLoS genetics, 11(1), e1004915.

Ewing AD, et al. (2015) Transposable element detection from whole genome sequence data. Mobile DNA, 6, 24.

Nakagome M, et al. (2014) Transposon Insertion Finder (TIF): a novel program for detection of de novo transpositions of transposable elements. BMC bioinformatics, 15, 71.

Robb SM, et al. (2013) The use of RelocaTE and unassembled short reads to produce high-resolution snapshots of transposable element generated diversity in rice. G3 (Bethesda, Md.), 3(6), 949.