Resource Summary Report

Generated by RRID on Apr 11, 2025

piCALL

RRID:SCR_001242
Type: Tool

Proper Citation

piCALL (RRID:SCR_001242)

Resource Information

URL: https://sites.google.com/site/vibansal/software/picall

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Description: Software to detect short insertion / deletion variants (and SNPs) from population sequence data, i.e. sequence reads generated from a population of individuals. It uses a probabilistic model to utilize sequence reads from a population of individuals to automatically account for context-specific sequencing errors associated with indels. piCALL is implemented in C for use on Linux platforms and can be applied to sequence data from different sequencing platforms. However, the method requires each individual in a dataset to be sequenced using the same platform. The reads for each individual should be aligned to the same reference genome sequence. Note that the program will not be able to call indels from individual sequence datasets or data from a small number of individuals.

Abbreviations: piCALL

Resource Type: software resource

Defining Citation: PMID:21653520

Keywords: c, genotyping, indel, population, high-throughput sequencing, insertion, deletion, variant, single nucleotide polymorphism, linux, bio.tools

Funding:

Resource Name: piCALL

Resource ID: SCR_001242

Alternate IDs: OMICS_02098, biotools:picall

Alternate URLs: https://bio.tools/picall

Old URLs: http://polymorphism.scripps.edu/~vbansal/software/piCALL/

Record Creation Time: 20220129T080206+0000

Record Last Update: 20250410T064657+0000

Ratings and Alerts

No rating or validation information has been found for piCALL.

No alerts have been found for piCALL.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Bansal V, et al. (2016) A statistical method for the detection of variants from next-generation resequencing of DNA pools. Bioinformatics (Oxford, England), 32(20), 3213.