

Resource Summary Report

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R453Plus1Toolbox

RRID:SCR_001105

Type: Tool

Proper Citation

R453Plus1Toolbox (RRID:SCR_001105)

Resource Information

URL: <http://www.bioconductor.org/packages/2.10/bioc/html/R453Plus1Toolbox.html>

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Description: R software toolbox of functions for the analysis of data generated by Roche's 454 sequencing platform. Additional functions are included for quality assurance, annotation and visualization of detected variants, complementing the software tools shipped by Roche with their product. A pipeline for the detection of structural variants is provided.

Resource Type: data analysis software, data processing software, sequence analysis software, software application, software resource, software toolkit

Defining Citation: [PMID:21349869](#)

Keywords: genome, sequence, visualization, structural variants, r, sequence analysis software

Availability: Free, Available for download, Freely available

Resource Name: R453Plus1Toolbox

Resource ID: SCR_001105

Alternate IDs: OMICS_01354

License: LGPL-3

Record Creation Time: 20220129T080205+0000

Record Last Update: 20260912T195519+0000

Ratings and Alerts

No rating or validation information has been found for R453Plus1Toolbox.

No alerts have been found for R453Plus1Toolbox.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Sarkar S, et al. (2025) Let-7b-5p loaded Mesenchymal Stromal Cell Extracellular Vesicles reduce Pseudomonas-biofilm formation and inflammation in CF Bronchial Epithelial Cells. bioRxiv : the preprint server for biology.

Sarkar S, et al. (2025) Mesenchymal stromal cell extracellular vesicles reduce Pseudomonas biofilm formation, and let-7b-5p loading confers additional anti-inflammatory effects. American journal of physiology. Lung cellular and molecular physiology, 329(4), L455.

Hampton TH, et al. (2024) Gene expression responses of CF airway epithelial cells exposed to elexacaftor/tezacaftor/ivacaftor suggest benefits beyond improved CFTR channel function. American journal of physiology. Lung cellular and molecular physiology, 327(6), L905.

Thangam M, et al. (2015) CRCDA--Comprehensive resources for cancer NGS data analysis. Database : the journal of biological databases and curation, 2015.