

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

TRANSIT

RRID:SCR_016492

Type: Tool

Proper Citation

TRANSIT (RRID:SCR_016492)

Resource Information

URL: <http://sacrlab.tamu.edu/essentiality/transit/>

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Description: Software tool Python based and open source for statistical analysis of TnSeq data. Provides a graphical interface to three different statistical methods for analyzing TnSeq data capable of identifying essential genes in individual datasets as well as comparative analysis between conditions.

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

Defining Citation: [PMID:26447887](#)

Keywords: statistical, analysis, TnSeq, data, identify, gene, dataset, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: TRANSIT

Resource ID: SCR_016492

Alternate IDs: biotools:transit

Alternate URLs: <https://github.com/mad-lab/transit>, <https://bio.tools/transit>

License: GNU GPL v3

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260912T195840+0000

Ratings and Alerts

No rating or validation information has been found for TRANSIT.

No alerts have been found for TRANSIT.

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 [NIF](#) .

Lyon LM, et al. (2025) Genome-wide mutagenesis identifies factors involved in MRSA vaginal colonization. *Cell reports*, 44(3), 115421.

Fiebig A, et al. (2024) Bile acid fitness determinants of a *Bacteroides fragilis* isolate from a human pouchitis patient. *mBio*, 15(1), e0283023.

Peterson EJR, et al. (2023) MtrA modulates *Mycobacterium tuberculosis* cell division in host microenvironments to mediate intrinsic resistance and drug tolerance. *Cell reports*, 42(8), 112875.

Baranowski C, et al. (2018) Maturing *Mycobacterium smegmatis* peptidoglycan requires non-canonical crosslinks to maintain shape. *eLife*, 7.