

Resource Summary Report

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RiboToolkit

RRID:SCR_024406

Type: Tool

Proper Citation

RiboToolkit (RRID:SCR_024406)

Resource Information

URL: <http://rnainformatics.org.cn/RiboToolkit/>

Proper Citation: RiboToolkit (RRID:SCR_024406)

Description: Integrated web server developed for Ribo-seq data analysis. Platform for analysis and annotation of ribosome profiling data to decode mRNA translation at codon resolution. Web based service to centralize Ribo-seq data analyses, including data cleaning and quality evaluation, expression analysis based on RPFs, codon occupancy, translation efficiency analysis, differential translation analysis, functional annotation, translation metagene analysis, and identification of actively translated ORFs.

Resource Type: software resource, data access protocol, web service

Defining Citation: [PMID:32427338](#)

Keywords: Ribo-seq data analysis, analysis and annotation of ribosome profiling data, decode mRNA translation at codon resolution, data cleaning and quality evaluation,

Funding: NCI R35 CA232115

Availability: Free, Freely available

Resource Name: RiboToolkit

Resource ID: SCR_024406

Record Creation Time: 20230908T050226+0000

Record Last Update: 20260729T044609+0000

Ratings and Alerts

No rating or validation information has been found for RiboToolkit.

No alerts have been found for RiboToolkit.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Cui J, et al. (2024) m3C32 tRNA modification controls serine codon-biased mRNA translation, cell cycle, and DNA-damage response. Nature communications, 15(1), 5775.

Li Q, et al. (2024) Metabolic rewiring during bone development underlies tRNA m7G-associated primordial dwarfism. The Journal of clinical investigation, 134(20).