Resource Summary Report

Generated by dkNET on Apr 24, 2025

riboWaltz

RRID:SCR_016948
Type: Tool

Proper Citation

riboWaltz (RRID:SCR_016948)

Resource Information

URL: https://github.com/LabTranslationalArchitectomics/RiboWaltz

Proper Citation: riboWaltz (RRID:SCR_016948)

Description: Software R package for calculation of optimal P-site offsets, diagnostic analysis and visual inspection of ribosome profiling data. Works for read alignments based on transcript coordinates.

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

Defining Citation: PMID:30102689

Keywords: calculation, optimal, Psite, offset, diagnostic, analysis, visual, inspection, ribosome, profiling, data, read, alignment, transcript, coordinate

Funding: Autonomous Province of Trento ;
Wellcome Trust

Availability: Free, Available for download, Freely available

Resource Name: riboWaltz

Resource ID: SCR_016948

License: MIT License

Record Creation Time: 20220129T080332+0000

Record Last Update: 20250423T060937+0000

Ratings and Alerts

No rating or validation information has been found for riboWaltz.

No alerts have been found for riboWaltz.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Yin L, et al. (2025) METTL16 is Required for Meiotic Sex Chromosome Inactivation and DSB Formation and Recombination during Male Meiosis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(3), e2406332.

Shi D, et al. (2024) Pseudouridine synthase 1 regulates erythropoiesis via transfer RNAs pseudouridylation and cytoplasmic translation. iScience, 27(3), 109265.

Smirnova AM, et al. (2024) Stem-loop-induced ribosome queuing in the uORF2/ATF4 overlap fine-tunes stress-induced human ATF4 translational control. Cell reports, 43(4), 113976.

Ding Z, et al. (2024) Exploring the potential of large language model-based chatbots in challenges of ribosome profiling data analysis: a review. Briefings in bioinformatics, 26(1).

Howard GC, et al. (2024) Ribosome subunit attrition and activation of the p53-MDM4 axis dominate the response of MLL-rearranged cancer cells to WDR5 WIN site inhibition. eLife, 12.

Müller MBD, et al. (2023) Mechanisms of readthrough mitigation reveal principles of GCN1-mediated translational quality control. Cell, 186(15), 3227.

Froberg JE, et al. (2023) Development of nanoRibo-seq enables study of regulated translation by cortical neuron subtypes, showing uORF translation in synaptic-axonal genes. Cell reports, 42(9), 112995.

Krokowski D, et al. (2022) Stress-induced perturbations in intracellular amino acids reprogram mRNA translation in osmoadaptation independently of the ISR. Cell reports, 40(3), 111092.

Allen GE, et al. (2021) Not4 and Not5 modulate translation elongation by Rps7A ubiquitination, Rli1 moonlighting, and condensates that exclude eIF5A. Cell reports, 36(9),

109633.

Lautier O, et al. (2021) Co-translational assembly and localized translation of nucleoporins in nuclear pore complex biogenesis. Molecular cell, 81(11), 2417.

Ruiz Cuevas MV, et al. (2021) Most non-canonical proteins uniquely populate the proteome or immunopeptidome. Cell reports, 34(10), 108815.

Gong C, et al. (2021) Sequential inverse dysregulation of the RNA helicases DDX3X and DDX3Y facilitates MYC-driven lymphomagenesis. Molecular cell, 81(19), 4059.

Terrey M, et al. (2021) Defects in translation-dependent quality control pathways lead to convergent molecular and neurodevelopmental pathology. eLife, 10.

Xing J, et al. (2020) LncRNA-Encoded Peptide: Functions and Predicting Methods. Frontiers in oncology, 10, 622294.

Babaian A, et al. (2020) Loss of m1acp3? Ribosomal RNA Modification Is a Major Feature of Cancer. Cell reports, 31(5), 107611.

Zaccara S, et al. (2020) A Unified Model for the Function of YTHDF Proteins in Regulating m6A-Modified mRNA. Cell, 181(7), 1582.

Terrey M, et al. (2020) GTPBP1 resolves paused ribosomes to maintain neuronal homeostasis. eLife, 9.

Kapur M, et al. (2020) Expression of the Neuronal tRNA n-Tr20 Regulates Synaptic Transmission and Seizure Susceptibility. Neuron, 108(1), 193.

Sapkota D, et al. (2019) Cell-Type-Specific Profiling of Alternative Translation Identifies Regulated Protein Isoform Variation in the Mouse Brain. Cell reports, 26(3), 594.

Clamer M, et al. (2018) Active Ribosome Profiling with RiboLace. Cell reports, 25(4), 1097.