

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 15, 2025

## riborex

RRID:SCR\_019104

Type: Tool

---

### Proper Citation

riborex (RRID:SCR\_019104)

---

### Resource Information

**URL:** <https://github.com/smithlabcode/riborex>

**Proper Citation:** riborex (RRID:SCR\_019104)

**Description:** Software R package for identification of differential translation from Ribo-seq data. Computational tool for mapping genome wide differences in translation efficiency.

**Synonyms:** riborex v2.3.4

**Resource Type:** software toolkit, software resource

**Defining Citation:** [PMID:28158331](#)

**Keywords:** Ribo-seq data, differential translation, differential translation identification, mapping genome differences, translation efficiency, bio.tools

**Funding:** NHGRI R01 HG006015

**Availability:** Free, Available for download, Freely available

**Resource Name:** riborex

**Resource ID:** SCR\_019104

**Alternate IDs:** biotools:riborex

**Alternate URLs:** <https://bio.tools/riborex>

**License:** GNU General Public License

**Record Creation Time:** 20220129T080343+0000

**Record Last Update:** 20250412T060251+0000

---

## Ratings and Alerts

No rating or validation information has been found for riborex.

No alerts have been found for riborex.

---

## Data and Source Information

**Source:** [SciCrunch Registry](#)

---

## Usage and Citation Metrics

We found 7 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Zhou Y, et al. (2025) Dynamic mRNA Stability Buffer Transcriptional Activation During Neuronal Differentiation and Is Regulated by SAMD4A. *Journal of cellular physiology*, 240(1), e31477.

Rashad S, et al. (2024) Translational response to mitochondrial stresses is orchestrated by tRNA modifications. *bioRxiv : the preprint server for biology*.

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

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

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

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

Zheng Z, et al. (2020) Control of Early B Cell Development by the RNA N6-Methyladenosine Methylation. *Cell reports*, 31(13), 107819.