## **Resource Summary Report**

Generated by <u>NIF</u> on May 16, 2025

# **REDItools**

RRID:SCR\_012133 Type: Tool

**Proper Citation** 

REDItools (RRID:SCR\_012133)

#### **Resource Information**

URL: https://code.google.com/p/reditools/

Proper Citation: REDItools (RRID:SCR\_012133)

**Description:** A suite of python scripts to perform high-throughput investigation of RNA editing using next-generation sequencing data.

Resource Type: software resource

Defining Citation: PMID:23742983

**Keywords:** standalone software, illumina, roche, pacific biosciences, life technologies, python, bio.tools

Funding:

Availability: MIT License

Resource Name: REDItools

Resource ID: SCR\_012133

Alternate IDs: biotools:reditools, OMICS\_05860

Alternate URLs: https://bio.tools/reditools

**Record Creation Time:** 20220129T080308+0000

Record Last Update: 20250420T014607+0000

### **Ratings and Alerts**

No rating or validation information has been found for REDItools.

No alerts have been found for REDItools.

#### Data and Source Information

Source: SciCrunch Registry

#### **Usage and Citation Metrics**

We found 119 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Cui J, et al. (2025) Mitochondrial Genome Insights into Evolution and Gene Regulation in Phragmites australis. International journal of molecular sciences, 26(2).

He Y, et al. (2025) RPS 2.0: an updated database of RNAs involved in liquid-liquid phase separation. Nucleic acids research, 53(D1), D299.

Qin PP, et al. (2025) Programming ADAR-recruiting hairpin RNA sensor to detect endogenous molecules. Nucleic acids research, 53(1).

Liu Q, et al. (2024) ADAR1 promotes cisplatin resistance in intrahepatic cholangiocarcinoma by regulating BRCA2 expression through A-to-I editing manner. Cell proliferation, 57(10), e13659.

Karlström V, et al. (2024) ADAR3 modulates neuronal differentiation and regulates mRNA stability and translation. Nucleic acids research, 52(19), 12021.

Chen H, et al. (2024) RNA editing landscape of adipose tissue in polycystic ovary syndrome provides insight into the obesity-related immune responses. Frontiers in endocrinology, 15, 1379293.

Xu X, et al. (2024) Global A-to-I RNA editing during myogenic differentiation of goat MuSCs. Frontiers in veterinary science, 11, 1439029.

Li G, et al. (2024) Engineering TadA ortholog-derived cytosine base editor without motif preference and adenosine activity limitation. Nature communications, 15(1), 8090.

Feng C, et al. (2024) Unveiling the A-to-I mRNA editing machinery and its regulation and evolution in fungi. Nature communications, 15(1), 3934.

Li YY, et al. (2024) Complete mitochondrial genome of Angelica dahurica and its implications on evolutionary analysis of complex mitochondrial genome architecture in Apiaceae.

Frontiers in plant science, 15, 1367299.

Giannoukakos S, et al. (2024) Assessing the complementary information from an increased number of biologically relevant features in liquid biopsy-derived RNA-Seq data. Heliyon, 10(6), e27360.

Zou J, et al. (2024) Hyphal editing of the conserved premature stop codon in CHE1 is stimulated by oxidative stress in Fusarium graminearum. Stress biology, 4(1), 30.

Liu J, et al. (2024) An orthology-based methodology as a complementary approach to retrieve evolutionarily conserved A-to-I RNA editing sites. RNA biology, 21(1), 29.

Yi Z, et al. (2024) Strand-selective base editing of human mitochondrial DNA using mitoBEs. Nature biotechnology, 42(3), 498.

Baquero-Pérez B, et al. (2024) Elucidation of the Epitranscriptomic RNA Modification Landscape of Chikungunya Virus. Viruses, 16(6).

Bian Z, et al. (2024) Sexual stage-specific A-to-I mRNA editing is mediated by tRNA-editing enzymes in fungi. Proceedings of the National Academy of Sciences of the United States of America, 121(12), e2319235121.

Wang H, et al. (2024) Highly active repeat-mediated recombination in the mitogenome of the aquatic grass Hygroryza aristata. BMC plant biology, 24(1), 644.

Lu G, et al. (2024) The first complete mitochondrial genome of Grossulariaceae: Molecular features, structure recombination, and genetic evolution. BMC genomics, 25(1), 744.

Nesta A, et al. (2024) Alternative splicing of transposable elements in human breast cancer. bioRxiv : the preprint server for biology.

Cai Y, et al. (2024) Repeat-mediated recombination results in Complex DNA structure of the mitochondrial genome of Trachelospermum jasminoides. BMC plant biology, 24(1), 966.