

# Resource Summary Report

Generated by [nidm-terms](#) on Jul 28, 2026

## MIREAP

RRID:SCR\_013025

Type: Tool

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### Proper Citation

MIREAP (RRID:SCR\_013025)

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### Resource Information

**URL:** <http://sourceforge.net/projects/mireap/>

**Proper Citation:** MIREAP (RRID:SCR\_013025)

**Description:** A software tool which can be used to identify both known and novel microRNAs from small RNA libraries deeply sequenced by Solexa/454/Solid technology.

**Abbreviations:** MIREAP

**Resource Type:** software resource

**Availability:** GNU General Public License, v2

**Resource Name:** MIREAP

**Resource ID:** SCR\_013025

**Alternate IDs:** OMICS\_00376

**Record Creation Time:** 20220129T080313+0000

**Record Last Update:** 20260725T190742+0000

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### Ratings and Alerts

No rating or validation information has been found for MIREAP.

No alerts have been found for MIREAP.

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### Data and Source Information

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

## Usage and Citation Metrics

We found 371 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

Zhao Z, et al. (2025) Transcriptome analysis of liver and ileum reveals potential regulation of long non-coding RNA in pigs with divergent feed efficiency. *Animal bioscience*, 38(4), 588.

Yang S, et al. (2025) Integrated analysis of the expression profiles of the lncRNA-miRNA-mRNA ceRNA network in CASMCs under hypoxia and normoxia conditions in yak heart. *Scientific reports*, 15(1), 9165.

Miranda-Rodríguez JR, et al. (2025) The chromosome-level genome assembly of the slug *Deroceras laeve* facilitates its use as a comparative model of regeneration. *G3 (Bethesda, Md.)*, 15(10).

Zhang J, et al. (2025) The infection of mycovirus down regulates Aa-miR13 to weaken the pathogenicity of the *Alternaria alternata* f. sp. mali. *Frontiers in plant science*, 16, 1598183.

Cheng S, et al. (2025) Identification and characterization of microRNAs in the liver of yak (*Bos grunniens*) associated with energy deficiency at high-altitude. *Animal bioscience*, 38(7), 1372.

Li SY, et al. (2025) Comprehensive circRNA expression profile and hub genes screening during human liver development. *Annals of medicine*, 57(1), 2497111.

Hu S, et al. (2025) Cancer Cell-Secreted miR-33a Reduces Stress Granule Formation by Targeting Polyamine Metabolism in Stroma to Promote Tumourigenesis. *Journal of extracellular vesicles*, 14(9), e70153.

Ding D, et al. (2024) Whole-transcriptome sequencing revealed the role of noncoding RNAs in susceptibility and resistance of Pekin ducks to DHAV-3. *Poultry science*, 103(3), 103416.

Zhong S, et al. (2024) Distinct small RNAs are expressed at different stages of *Phytophthora capsici* and play important roles in development and pathogenesis. *Frontiers in genetics*, 15, 1296533.

Zhang W, et al. (2024) Profile of miRNAs induced during sheep fat tail development and roles of four key miRNAs in proliferation and differentiation of sheep preadipocytes. *Frontiers in veterinary science*, 11, 1491160.

Zhang S, et al. (2024) Whole-Transcriptome Sequencing Reveals the Global Molecular Responses and NAC Transcription Factors Involved in Drought Stress in *Dendrobium catenatum*. *Antioxidants (Basel, Switzerland)*, 13(1).

Yang Y, et al. (2024) RNA-Seq Analysis Revealed circRNAs and Genes Associated with Abdominal Fat Deposition in Ducks. *Animals : an open access journal from MDPI*, 14(2).

Hu Q, et al. (2024) Astrocyte-neuron crosstalk through extracellular vesicle-shuttled miRNA-382-5p promotes traumatic brain injury. *Experimental & molecular medicine*, 56(12), 2642.

Jin Q, et al. (2024) mRNA-miRNA analyses reveal the involvement of CsbHLH1 and miR1446a in the regulation of caffeine biosynthesis in *Camellia sinensis*. *Horticulture research*, 11(2), uhad282.

Wang Z, et al. (2024) A novel and ubiquitous miRNA-involved regulatory module ensures precise phosphorylation of RNA polymerase II and proper transcription. *PLoS pathogens*, 20(4), e1012138.

Saroha M, et al. (2024) Genome-wide expression analysis of novel heat-responsive microRNAs and their targets in contrasting wheat genotypes at reproductive stage under terminal heat stress. *Frontiers in plant science*, 15, 1328114.

Shi H, et al. (2024) CircRNA profiling reveals the regulatory role of circPAN3 in Hezuo boars Sertoli cell growth. *BMC genomics*, 25(1), 1258.

Ahmad S, et al. (2023) The Integrated mRNA and miRNA Approach Reveals Potential Regulators of Flowering Time in *Arundina graminifolia*. *International journal of molecular sciences*, 24(2).

Zhang L, et al. (2023) Imprinted Dlk1-Gtl2 cluster miRNAs are potential epigenetic regulators of lamb fur quality. *BMC genomics*, 24(1), 632.

Dong Y, et al. (2023) miR-155-1 as a positive factor for novel duck reovirus replication by regulating SOCS5-mediated interferons. *Virus research*, 323, 199003.