

# Resource Summary Report

Generated by [ASWG](#) on Aug 2, 2026

## [iMir](#)

RRID:SCR\_009496

Type: Tool

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### Proper Citation

iMir (RRID:SCR\_009496)

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### Resource Information

**URL:** <http://www.labmedmolge.unisa.it/inglese/research/imir>

**Proper Citation:** iMir (RRID:SCR\_009496)

**Description:** A modular pipeline for comprehensive analysis of smallRNA-Seq data, comprising specific tools for adapter trimming, quality filtering, DE analysis, target prediction by integrating multiple open source modules and resources in an automated workflow.

**Abbreviations:** iMir

**Resource Type:** software resource

**Defining Citation:** [PMID:24330401](#)

**Keywords:** unix/linux, bio.tools

**Availability:** Apache License

**Resource Name:** iMir

**Resource ID:** SCR\_009496

**Alternate IDs:** OMICS\_00358, biotools:imir

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

**Record Creation Time:** 20220129T080253+0000

**Record Last Update:** 20260801T190409+0000

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### Ratings and Alerts

No rating or validation information has been found for iMir.

No alerts have been found for iMir.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Xu P, et al. (2020) A systematic study of critical miRNAs on cells proliferation and apoptosis by the shortest path. BMC bioinformatics, 21(1), 396.

De Felice B, et al. (2018) Wide-Ranging Analysis of MicroRNA Profiles in Sporadic Amyotrophic Lateral Sclerosis Using Next-Generation Sequencing. Frontiers in genetics, 9, 310.

Singh G, et al. (2018) Genome-wide profiling of the PIWI-interacting RNA-mRNA regulatory networks in epithelial ovarian cancers. PloS one, 13(1), e0190485.

Borghini A, et al. (2017) miRNome Profiling in Bicuspid Aortic Valve-Associated Aortopathy by Next-Generation Sequencing. International journal of molecular sciences, 18(11).

De Luca L, et al. (2016) MiRNAs and piRNAs from bone marrow mesenchymal stem cell extracellular vesicles induce cell survival and inhibit cell differentiation of cord blood hematopoietic stem cells: a new insight in transplantation. Oncotarget, 7(6), 6676.

Rizzo F, et al. (2016) Specific patterns of PIWI-interacting small noncoding RNA expression in dysplastic liver nodules and hepatocellular carcinoma. Oncotarget, 7(34), 54650.

Han Y, et al. (2016) Integrating Epigenomics into the Understanding of Biomedical Insight. Bioinformatics and biology insights, 10, 267.

Itami S, et al. (2015) Control of HCV Replication With iMIRs, a Novel Anti-RNAi Agent. Molecular therapy. Nucleic acids, 4(1), e219.

Ravo M, et al. (2015) Small non-coding RNA deregulation in endometrial carcinogenesis. Oncotarget, 6(7), 4677.

Hashim A, et al. (2014) RNA sequencing identifies specific PIWI-interacting small non-coding RNA expression patterns in breast cancer. Oncotarget, 5(20), 9901.

Giurato G, et al. (2013) iMir: an integrated pipeline for high-throughput analysis of small non-coding RNA data obtained by smallRNA-Seq. BMC bioinformatics, 14, 362.