

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 28, 2026

MiChip

RRID:SCR_001341

Type: Tool

Proper Citation

MiChip (RRID:SCR_001341)

Resource Information

URL: <http://www.bioconductor.org/packages/release/bioc/html/MiChip.html>

Proper Citation: MiChip (RRID:SCR_001341)

Description: Software package that takes the MiChip miRNA microarray .grp scanner output files and parses these out, providing summary and plotting functions to analyse MiChip hybridizations. A set of hybridizations is packaged into an ExpressionSet allowing it to be used by other BioConductor packages.

Abbreviations: MiChip

Synonyms: MiChip Parsing and Summarizing Functions

Resource Type: software resource

Defining Citation: [PMID:16540696](#), [PMID:18274534](#)

Keywords: microarray, preprocessing, mirna, hybridization

Availability: Free, Available for download, Freely available

Resource Name: MiChip

Resource ID: SCR_001341

Alternate IDs: OMICS_02000

License: GNU General Public License, v2 or newer

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260725T190500+0000

Ratings and Alerts

No rating or validation information has been found for MiChip.

No alerts have been found for MiChip.

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 [SPARC SAWG](#) .

Lyu X, et al. (2023) Regulation of CTCF loop formation during pancreatic cell differentiation. Nature communications, 14(1), 6314.

Xiong Q, et al. (2018) Magnetic nanochain integrated microfluidic biochips. Nature communications, 9(1), 1743.

Naraballoh W, et al. (2018) miRNAs regulate acute transcriptional changes in broiler embryos in response to modification of incubation temperature. Scientific reports, 8(1), 11371.

Liu X, et al. (2016) MicroRNA-mRNA regulatory networking fine-tunes the porcine muscle fiber type, muscular mitochondrial respiratory and metabolic enzyme activities. BMC genomics, 17, 531.

Seckinger A, et al. (2015) miRNAs in multiple myeloma--a survival relevant complex regulator of gene expression. Oncotarget, 6(36), 39165.

Benes V, et al. (2015) Identification of cytokine-induced modulation of microRNA expression and secretion as measured by a novel microRNA specific qPCR assay. Scientific reports, 5, 11590.

Yan HL, et al. (2009) Repression of the miR-17-92 cluster by p53 has an important function in hypoxia-induced apoptosis. The EMBO journal, 28(18), 2719.