

# Resource Summary Report

Generated by [dkNET](#) on Apr 24, 2025

## MiChip

RRID:SCR\_001341

Type: Tool

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### Proper Citation

MiChip (RRID:SCR\_001341)

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### 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

**Funding:**

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

**Resource Name:** MiChip

**Resource ID:** SCR\_001341

**Alternate IDs:** OMICS\_02000

**Record Creation Time:** 20220129T080207+0000

**Record Last Update:** 20250420T014027+0000

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## Ratings and Alerts

No rating or validation information has been found for MiChip.

No alerts have been found for MiChip.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 7 mentions in open access literature.

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

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.