

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

CYCLE

RRID:SCR_001328

Type: Tool

Proper Citation

CYCLE (RRID:SCR_001328)

Resource Information

URL: <http://itb.biologie.hu-berlin.de/~futschik/software/R/cycle/index.html>

Proper Citation: CYCLE (RRID:SCR_001328)

Description: Software package for the identification of periodically expressed genes using Fourier analysis and the statistical assessment of significance using different background models.

Abbreviations: CYCLE

Resource Type: software resource

Defining Citation: [PMID:18310054](#)

Keywords: r, microarray, time course, periodic expression pattern, time-series, bio.tools

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: CYCLE

Resource ID: SCR_001328

Alternate IDs: OMICS_02010, biotools:cycle

Alternate URLs: <http://www.bioconductor.org/packages/release/bioc/html/cycle.html>,
<https://bio.tools/cycle>

Record Creation Time: 20220129T080206+0000

Record Last Update: 20260808T185728+0000

Ratings and Alerts

No rating or validation information has been found for CYCLE.

No alerts have been found for CYCLE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Becker-Krail DD, et al. (2022) Astrocyte Molecular Clock Function in the Nucleus Accumbens Is Important for Reward-Related Behavior. *Biological psychiatry*, 92(1), 68.

Litovchenko M, et al. (2021) Extensive tissue-specific expression variation and novel regulators underlying circadian behavior. *Science advances*, 7(5).

Haspel JA, et al. (2014) Circadian rhythm reprogramming during lung inflammation. *Nature communications*, 5, 4753.

Wallach T, et al. (2013) Dynamic circadian protein-protein interaction networks predict temporal organization of cellular functions. *PLoS genetics*, 9(3), e1003398.