

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

JTK_CYCLE

RRID:SCR_017962

Type: Tool

Proper Citation

JTK_CYCLE (RRID:SCR_017962)

Resource Information

URL: https://openwetware.org/wiki/HughesLab:JTK_Cycle

Proper Citation: JTK_CYCLE (RRID:SCR_017962)

Description: Software R package for Detecting Rhythmic Components in Genome-Scale Data Sets. Non-parametric algorithm to identify rhythmic components in large datasets. Identifies and characterizes cycling variables in large datasets.

Synonyms: Jonckheere-Terpstra-Kendall-CYCLE

Resource Type: software resource, software application, data processing software

Defining Citation: [PMID:20876817](#)

Keywords: Washington University in St.Louis, detecting rhythmic, component, genome, scale, dataset, algorithm, non parametric, cycling, variable

Funding: NIMH P50 MH074924;
NHBLI R01 HL097800;
Pennsylvania Commonwealth Health Research Formula Funds

Availability: Free, Freely available

Resource Name: JTK_CYCLE

Resource ID: SCR_017962

Record Creation Time: 20220129T080337+0000

Record Last Update: 20260731T043028+0000

Ratings and Alerts

No rating or validation information has been found for JTK_CYCLE.

No alerts have been found for JTK_CYCLE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#).

Hesketh SJ, et al. (2023) Early morning run-training results in enhanced endurance performance adaptations in mice. bioRxiv : the preprint server for biology.

Whittaker DS, et al. (2023) Circadian modulation by time-restricted feeding rescues brain pathology and improves memory in mouse models of Alzheimer's disease. Cell metabolism, 35(10), 1704.

Marcheva B, et al. (2022) P2Y1 purinergic receptor identified as a diabetes target in a small-molecule screen to reverse circadian ??-cell failure. eLife, 11.

Kemler D, et al. (2020) Time-of-day dependent effects of contractile activity on the phase of the skeletal muscle clock. The Journal of physiology, 598(17), 3631.

Singer JM, et al. (2019) Symphony: simulating large-scale, rhythmic data. PeerJ, 7, e6985.