

Resource Summary Report

Generated by [dkNET](#) on Aug 21, 2026

CircaCompare

RRID:SCR_027626

Type: Tool

Proper Citation

CircaCompare (RRID:SCR_027626)

Resource Information

URL: <https://github.com/RWParsons/circacompare>

Proper Citation: CircaCompare (RRID:SCR_027626)

Description: Software R package for statistical analyses and comparison of two circadian rhythms. Used to estimate and statistically support differences in mesor, amplitude and phase, between circadian rhythms.

Resource Type: source code, software toolkit, software resource

Defining Citation: [PMID:31588519](#)

Keywords: ABRF, statistical analyses, comparison of two circadian rhythms, circadian rhythm,

Funding: University of Queensland ;
Australia ;
Deutsche Forschungsgemeinschaft

Availability: Free, Available for download, Freely available,

Resource Name: CircaCompare

Resource ID: SCR_027626

License: MIT license

Record Creation Time: 20251106T054935+0000

Record Last Update: 20260821T043206+0000

Ratings and Alerts

No rating or validation information has been found for CircaCompare.

No alerts have been found for CircaCompare.

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 [dkNET](#) .

Gong S, et al. (2026) Microglia depletion alleviates the disruptions in circadian rhythms and anxiety caused by *bmal1* deficiency. *Brain, behavior, & immunity - health*, 54, 101264.

Maples RW, et al. (2026) A single-cell atlas of intestinal immune cells across the day-night cycle reveals dynamic populations. *bioRxiv : the preprint server for biology*.

McDuff D, et al. (2025) Evidence of differences in diurnal electrodermal, temperature and heart rate patterns by mental health status in free-living data. *BMJ mental health*, 28(1).

Dai W, et al. (2025) Differential Effects of Pregabalin and Morphine on the Sleep-Wake Cycle and Circadian Rhythms in Mice with Neuropathic Pain. *Anesthesiology*, 143(5), 1313.

Tapp ZM, et al. (2025) Paclitaxel Chemotherapy Disrupts Circadian Gene Transcription and Function of the Suprachiasmatic Nuclei in Female Mice. *eNeuro*, 12(9).

Hirose M, et al. (2024) Chronic Inflammation Disrupts Circadian Rhythms in Splenic CD4+ and CD8+ T Cells in Mice. *Cells*, 13(2).

Liu S, et al. (2024) Prolonged Sleep Deprivation Induces a Reprogramming of Circadian Rhythmicity with the Hepatic Metabolic Transcriptomic Profile. *Biology*, 13(7).