

Resource Summary Report

Generated by [RRID](#) on Aug 7, 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: 20260807T043058+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 [RRID](#) .

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).