

Resource Summary Report

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BEAT

RRID:SCR_002387

Type: Tool

Proper Citation

BEAT (RRID:SCR_002387)

Resource Information

URL: <http://www.bioconductor.org/packages/devel/bioc/html/BEAT.html>

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Description: Software that implements all bioinformatics steps required for the quantitative, high-resolution analysis of DNA methylation patterns from bisulfite sequencing data.

Synonyms: BS-Seq Epimutation Analysis Toolkit, BEAT - BS-Seq Epimutation Analysis Toolkit

Resource Type: software resource

Defining Citation: [PMID:24618468](#)

Keywords: standalone software, unix/linux, mac os x, windows, r, dna methylation, epigenetics, genetics, methyl-seq

Funding:

Availability: GNU Lesser General Public License, v3 or greater

Resource Name: BEAT

Resource ID: SCR_002387

Alternate IDs: OMICS_03425

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250420T014102+0000

Ratings and Alerts

No rating or validation information has been found for BEAT.

No alerts have been found for BEAT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 103 mentions in open access literature.

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

Ajonu CI, et al. (2025) Application of a high-throughput swarm-based deep neural network Algorithm reveals SPAG5 downregulation as a potential therapeutic target in adult AML. *Functional & integrative genomics*, 25(1), 8.

Leeming D, et al. (2025) Infant feeding for women with an eating disorder: An interpretative phenomenological analysis. *Maternal & child nutrition*, 21(1), e13710.

Fuller SJ, et al. (2024) The importance of individualised care, good communication and trust for reducing nasogastric tube feeding under physical restraint: qualitative multi-informant study. *BJPsych open*, 10(3), e86.

Evans MM, et al. (2024) Evaluation of DNA minicircles for delivery of adenine and cytosine base editors using activatable gene on "GO" reporter imaging systems. *Molecular therapy. Nucleic acids*, 35(3), 102248.

Wu Y, et al. (2024) Multiplexed in-situ mutagenesis driven by a dCas12a-based dual-function base editor. *Nucleic acids research*, 52(8), 4739.

White RL, et al. (2024) A systematic observation of moderate-to-vigorous physical activity levels in Australian natural blue space locations. *Health promotion international*, 39(4).

Burma JS, et al. (2024) Examining the upper frequency limit of dynamic cerebral autoregulation: Considerations across the cardiac cycle during eucapnia. *Experimental physiology*, 109(12), 2100.

Wu W, et al. (2024) The epigenetic regulators EP300/CREBBP represent promising therapeutic targets in MLL-rearranged acute myeloid leukemia. *Cell death discovery*, 10(1), 206.

P P, et al. (2024) Effect of Meta-Cognitive Strategy-Based Activities on Executive Functioning, Social Networking, and Instrumental Activities of Daily Living Among Women.

Cureus, 16(4), e58698.

Venezia A, et al. (2024) Investigating the effects of artificial baroreflex stimulation on pain perception: A comparative study in no-pain and chronic low back pain individuals. *The Journal of physiology*, 602(24), 6941.

Antoun J, et al. (2024) Cardiac dysfunction in dialysing adults with end-stage kidney disease is associated with exercise intolerance: A pilot observational study. *Physiological reports*, 12(17), e70050.

Grenier JMP, et al. (2024) Genetic deletion of JAM-C in preleukemic cells rewires leukemic stem cell gene expression program in AML. *Blood advances*, 8(17), 4662.

Weber R, et al. (2024) Targeting the IDH1 R132H mutation in gliomas by CRISPR/Cas precision base editing. *Neuro-oncology advances*, 6(1), vdae182.

Lei Y, et al. (2024) High temporal resolution prediction of mortality risk for single AML patient via deep learning. *iScience*, 27(8), 110458.

Zhang Q, et al. (2023) Effects of fear of cancer recurrence on subjective physical and mental health in breast cancer patients: The intermediary role of heart rate variability. *Cancer medicine*, 12(15), 16570.

Fuller SJ, et al. (2023) Decision-making and best practice when nasogastric tube feeding under restraint: multi-informant qualitative study. *BJPsych open*, 9(2), e28.

Amesz JH, et al. (2023) Biomimetic cultivation of atrial tissue slices as novel platform for in-vitro atrial arrhythmia studies. *Scientific reports*, 13(1), 3648.

Saito S, et al. (2023) Handgrip exercise does not alter CO₂-mediated cerebrovascular flow-mediated dilation. *Experimental physiology*, 108(10), 1337.

Luo Y, et al. (2023) SIRT2 inhibitor SirReal2 enhances anti-tumor effects of PI3K/mTOR inhibitor VS-5584 on acute myeloid leukemia cells. *Cancer medicine*, 12(18), 18901.

Zuo Y, et al. (2023) Liver-specific in vivo base editing of Angptl3 via AAV delivery efficiently lowers blood lipid levels in mice. *Cell & bioscience*, 13(1), 109.