

# Resource Summary Report

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## BEAT

RRID:SCR\_002387

Type: Tool

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### Proper Citation

BEAT (RRID:SCR\_002387)

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### 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

**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:** 20260801T190147+0000

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### Ratings and Alerts

No rating or validation information has been found for BEAT.

No alerts have been found for BEAT.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 126 mentions in open access literature.

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

Popescu B, et al. (2025) Multi-selective RAS(ON) Inhibition Targets Oncogenic RAS Mutations and Overcomes RAS/MAPK-Mediated Resistance to FLT3 and BCL2 Inhibitors in Acute Myeloid Leukemia. *bioRxiv : the preprint server for biology*.

Kim S, et al. (2025) Chromosome-level genome assembly of the white-spotted sawyer *Monochamus scutellatus* (Coleoptera: Cerambycidae). *Scientific data*, 12(1), 2009.

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.

Bektas S, et al. (2025) An investigation of the specificity and vividness of autobiographical memories and future events produced in response to disgust-related cues among individuals with eating disorders. *Journal of eating disorders*, 13(1), 39.

Li J, et al. (2025) Integrative analysis of epigenetic subtypes in acute myeloid Leukemia: A multi-center study combining machine learning for prognostic and therapeutic insights. *PloS one*, 20(5), e0324380.

Passarotto A, et al. (2025) Experimental noise and light pollution alter prey detection in a nocturnal bird of prey. *The Journal of animal ecology*, 94(7), 1398.

McCluskey D, et al. (2025) IgA2+ B cells and IgA2 anti-dsDNA antibodies are selectively targeted by belimumab after rituximab therapy in systemic lupus erythematosus. *Cell reports. Medicine*, 6(8), 102247.

Muniyandi M, et al. (2025) Comparing cost-effectiveness of short-course regimens for drug-resistant tuberculosis treatment in India. *International journal of technology assessment in health care*, 41(1), e48.

Beusch CM, et al. (2025) A scalable proteogenomic framework for dissecting phospho-signaling pathways in primary immune cells. *bioRxiv : the preprint server for biology*.

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

Peng JQ, et al. (2025) Targeted M-Channel Activation in the Left Stellate Ganglion Protects Against Ischemia-Induced Ventricular Arrhythmias in Canines. *Journal of the American Heart Association*, 14(6), e039059.

Lytvyn Y, et al. (2025) Mechanistic evaluation of ertugliflozin in patients with type 2 diabetes and heart failure. *Physiological reports*, 13(7), e70275.

Choudhary MK, et al. (2025) Impact of aging on cardiovascular dynamics and heart rate variability during passive head-up tilt. *Physiological reports*, 13(14), e70477.

Yeh ML, et al. (2025) Effect of Training Program on Evidence-Based Practice Competencies in Hospital Nurses in Taiwan: A Quasi-Experimental Study. *The journal of nursing research : JNR*, 33(5), e412.

Weston ME, et al. (2025) The acute effect of maximal sprint exercise on dynamic cerebral autoregulation in healthy young adults. *Physiological reports*, 13(17), e70550.

Lazaridou A, et al. (2025) Predictive modelling of clinically significant depressive symptoms after coronary artery bypass graft surgery: protocol for a multicentre observational study in two Swiss hospitals (the PsyCor study). *BMJ open*, 15(9), e108061.

Sawe S, et al. (2025) The effect of pregnancy on the population pharmacokinetics of levofloxacin in South Africans with rifampicin-resistant tuberculosis. *Antimicrobial agents and chemotherapy*, 69(5), e0162624.

Cadefau-Fabregat M, et al. (2025) Mutant CEBPA promotes tolerance to inflammatory stress through deficient AP-1 activation. *Nature communications*, 16(1), 3492.

Pan X, et al. (2025) Causal relationship between breast cancer and acute myeloid leukemia based on two-sample bidirectional Mendelian randomization and transcriptome overlap analysis. *Discover oncology*, 16(1), 492.

Seto E, et al. (2025) Effects of acute ketone monoester ingestion on heart rate, blood pressure and muscle sympathetic nerve activity at rest and stress in healthy adults. *Physiological reports*, 13(19), e70584.