

Resource Summary Report

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SWAN

RRID:SCR_003455

Type: Tool

Proper Citation

SWAN (RRID:SCR_003455)

Resource Information

URL: <http://www.bioconductor.org/packages/2.12/bioc/html/minfi.html>

Proper Citation: SWAN (RRID:SCR_003455)

Description: Software that improves the results from the Illumina Infinium HumanMethylation450 BeadChips by reducing technical variation within and between arrays. SWAN is available in the minfi Bioconductor package.

Abbreviations: SWAN

Synonyms: Subset-quantile Within Array Normalization

Resource Type: software resource

Defining Citation: [PMID:22703947](#)

Keywords: dna methylation, microarray

Availability: Free, Available for download, Freely available

Resource Name: SWAN

Resource ID: SCR_003455

Alternate IDs: OMICS_02303

Record Creation Time: 20220129T080219+0000

Record Last Update: 20260829T182134+0000

Ratings and Alerts

No rating or validation information has been found for SWAN.

No alerts have been found for SWAN.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 194 mentions in open access literature.

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

Demir Kaya M, et al. (2026) What role do self-liking and self-competence play in the relationships between exercise identity and mental well-being in individuals who exercise regularly? BMC psychology, 14(1).

Arguilé-Pérez B, et al. (2026) High-Resolution Wave Climate Data under Future Climate Scenarios along the European Atlantic Coast. Scientific data, 13(1).

Frapard T, et al. (2026) The role of cytokines in septic myocardial dysfunction: a translational systematic review and meta-analysis. Annals of intensive care, 16, 100027.

Gao Y, et al. (2025) Extreme wave and storm surge characteristics in the southeastern coastal and offshore regions of China. Scientific reports, 15(1), 26915.

Vertessen K, et al. (2025) Placebo-related improvement with methylphenidate treatment in children with ADHD. European child & adolescent psychiatry, 34(3), 1161.

Risner A, et al. (2025) PIWIL2 downregulation in colon cancer promotes transposon activity and pro-tumorigenic phenotypes. bioRxiv : the preprint server for biology.

Marrodan M, et al. (2025) Factors for Rituximab Refractoriness in AQP4-IgG+ NMOSD: A Cohort Study. Annals of clinical and translational neurology, 12(8), 1566.

Mahmood A, et al. (2025) Adaptation of the Stakeholders' Walkability/Wheelability Audit in Neighborhoods (SWAN) Tool for Individuals With Diverse Disabilities: Protocol for a Mixed Methods Study. JMIR research protocols, 14, e60553.

Marino M, et al. (2025) Nature-based Solutions as Building Blocks for coastal flood risk reduction: a model-based ecosystem service assessment. Scientific reports, 15(1), 12070.

Stephenson NL, et al. (2025) Longitudinal analysis of the association between parity, mode of delivery and urinary incontinence in midlife using the SWAN cohort data. Scientific reports, 15(1), 11896.

Ämmälä AJ, et al. (2025) Daily rhythm in DNA methylation and the effect of total sleep deprivation. Journal of sleep research, 34(4), e14438.

Ahn A, et al. (2025) Impact of Acute Endurance Exercise on Alternative Splicing in Skeletal Muscle. FASEB bioAdvances, 7(8), e70024.

Risner A, et al. (2025) PIWIL2 downregulation in colon cancer promotes transposon activity and pro-tumorigenic phenotypes. *Biology open*, 14(9).

El Khoudary SR, et al. (2025) High-Density Lipoprotein Cardioprotection Function Deteriorates as Women Transition Through Menopause: The SWAN HDL Study. *JACC. Advances*, 4(10 Pt 2), 102131.

Huberts-Bosch A, et al. (2024) Short-term effects of an elimination diet and healthy diet in children with attention-deficit/hyperactivity disorder: a randomized-controlled trial. *European child & adolescent psychiatry*, 33(5), 1503.

Wu CH, et al. (2024) Dynamic changes in glymphatic function in reversible cerebral vasoconstriction syndrome. *The journal of headache and pain*, 25(1), 17.

Webster AP, et al. (2024) Donor whole blood DNA methylation is not a strong predictor of acute graft versus host disease in unrelated donor allogeneic haematopoietic cell transplantation. *Frontiers in genetics*, 15, 1242636.

Janssen I, et al. (2024) Cardiovascular Health, Race, and Decline in Cognitive Function in Midlife Women: The Study of Women's Health Across the Nation. *Journal of the American Heart Association*, 13(9), e031619.

Flemming KD, et al. (2024) Clinical and radiologic distinctions between familial cavernous malformation syndrome and cerebral amyloid angiopathy. *Acta neurochirurgica*, 166(1), 508.

Ponte Lira C, et al. (2024) Century-scale dataset of bathymetry and shoreline position for Tagus ebb-tidal delta, Portugal. *Scientific data*, 11(1), 983.