

Resource Summary Report

Generated by SPARC SAWG on Aug 10, 2026

CAFE

RRID:SCR_005983

Type: Tool

Proper Citation

CAFE (RRID:SCR_005983)

Resource Information

URL: <https://bitbucket.org/cob87icW6z/cafe/wiki/Home>

Proper Citation: CAFE (RRID:SCR_005983)

Description: R software package for the detection of gross chromosomal abnormalities from gene expression microarray data.

Abbreviations: CAFE

Resource Type: software resource

Defining Citation: [PMID:24451624](#)

Keywords: affymetrix, r, chromosomal abnormality, gene expression, microarray, chromosome, linux, windows

Availability: GNU General Public License, v3, Acknowledgement requested

Resource Name: CAFE

Resource ID: SCR_005983

Alternate IDs: OMICS_02245

Record Creation Time: 20220129T080233+0000

Record Last Update: 20260808T185839+0000

Ratings and Alerts

No rating or validation information has been found for CAFE.

No alerts have been found for CAFE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 883 mentions in open access literature.

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

Martin SLF, et al. (2026) Haplotype-resolved chromosome-level genome assemblies of four *Diamesa* species reveal the genetic basis of cold tolerance and high-altitude adaptations in arctic chironomids. *GigaScience*, 15.

Labella-Ortega M, et al. (2026) Uncovering the genome evolutionary dynamics of the Mediterranean endemic palm *Chamaerops humilis*. *BMC plant biology*, 26(1).

Zeng L, et al. (2026) Functional genomics reveals key gene families and molecular pathways for extreme cold survival in the khapra beetle. *BMC biology*, 24(1).

Mu D, et al. (2026) The genome of the medicinal plant *Uncaria rhynchophylla* provides new insights into monoterpenoid indole alkaloid metabolism and its molecular regulatory mechanism. *Molecular horticulture*, 6(1), 9.

Dong H, et al. (2026) The genome of *Phlebotomus chinensis*, the primary vector of visceral leishmaniasis in China: insights from chromosome-level assembly and comparative analysis. *Infectious diseases of poverty*, 15(1), 20.

Mao C, et al. (2026) Chromosome-level genome assembly and transcriptomes of the leaf insect *Cryptophyllum westwoodii* provide insights into the evolution of leaf-like masquerade. *GigaScience*, 15.

Wang Y, et al. (2026) A chromosome level genome, as well as transcriptomes and metabolomes, insights into genome evolution and the biosynthesis of kaempferol and kaempferol derivatives in *Impatiens balsamina* (Balsaminaceae). *Frontiers in plant science*, 17, 1725789.

Liu Z, et al. (2026) Chromosome-Level Genome and Organ-Specific Transcriptome of *Alnus glutinosa* Uncover Lineage-Specific Innovations in Root Nodule Symbiosis. *Plant, cell & environment*, 49(6), 3003.

Li H, et al. (2026) Comparative genome analysis provides a foundation for defining salvinatorin A biosynthesis in *Salvia divinorum*. *Nature communications*, 17(1).

Yang Z, et al. (2026) Copy number evolution of conserved noncoding RNA gene families across mammals. *Mammalian genome : official journal of the International Mammalian Genome Society*, 37(1).

Rinke S, et al. (2026) Genomic Insights Into the Evolution of Parental Care in Weevils. *Genome biology and evolution*, 18(6).

Zhang Y, et al. (2026) Multi-omics and functional analyses in *Aesculus wilsonii* elucidate the biosynthetic pathways of moretane- and oleanane-type triterpenoids. *Plant communications*, 7(4), 101715.

Hu L, et al. (2026) High-Resolution Genomic Resources for Trait Mapping and Precision Breeding for Adzuki Bean (*Vigna angularis*). *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(4), e07157.

Jones ARC, et al. (2026) *Cryptocercus* Genomes Expand Knowledge of Adaptations to Xylophagy and Termite Sociality. *Genome biology and evolution*, 18(2).

Liu H, et al. (2026) Genomics of rafting crustaceans reveals adaptation to climate change in tropical oceans. *Nature communications*, 17(1).

Luan Y, et al. (2026) Mechanisms of Aristolochic Acid Resistance in Specialist Butterflies and Evolutionary Insights for Potential Protective Pathways. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e18072.

Zhang T, et al. (2026) Multi-omics analyses shed lights on the evolution and fruit development of Chinese raspberries (*Rubus* spp.). *Journal of integrative plant biology*, 68(4), 1032.

Liu J, et al. (2026) Molecular basis of the short- and long-term osmoregulation capability in the euryhaline unicellular eukaryote *Paramecium calkinsi*. *mBio*, 17(4), e0303225.

Wang Z, et al. (2026) Chromosome-level genome assembly of the teak defoliator *Hyblaea puera* Cramer (Lepidoptera: Hyblaeidae). *Scientific data*, 13(1).

Liu T, et al. (2026) Lineage-specific expansion and positive selection of NPC2 genes in the crab spider *Ebrechtella tricuspidata* and other arachnids. *BMC genomics*, 27(1).