

Resource Summary Report

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BOTTLENECK

RRID:SCR_009082

Type: Tool

Proper Citation

BOTTLENECK (RRID:SCR_009082)

Resource Information

URL: <http://www.montpellier.inra.fr/URLB/bottleneck/bottleneck.html>

Proper Citation: BOTTLENECK (RRID:SCR_009082)

Description: Software application for detecting recent effective population size reductions from allele data frequencies (entry from Genetic Analysis Software)

Abbreviations: BOTTLENECK

Resource Type: software resource, software application

Keywords: gene, genetic, genomic, ms-windows, (95)

Resource Name: BOTTLENECK

Resource ID: SCR_009082

Alternate IDs: nlx_154093

Record Creation Time: 20220129T080251+0000

Record Last Update: 20260731T042759+0000

Ratings and Alerts

No rating or validation information has been found for BOTTLENECK.

No alerts have been found for BOTTLENECK.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 486 mentions in open access literature.

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

Liang H, et al. (2025) The multi-target mechanism of action of *Selaginella doederleinii* Hieron in the treatment of nasopharyngeal carcinoma: a network pharmacology and multi-omics analysis. *Scientific reports*, 15(1), 159.

Liu F, et al. (2025) Pod-pose : an efficient top-down keypoint detection model for fine-grained pod phenotyping in mature soybean. *Plant methods*, 21(1), 82.

Lin Y, et al. (2025) Potential common mechanisms between primary Sjögren's syndrome and Hashimoto's thyroiditis: a public databases-based study. *Frontiers in genetics*, 16, 1520332.

Parreira BR, et al. (2025) Effects of Social Structure on Effective Population Size Change Estimates. *Evolutionary applications*, 18(1), e70063.

Lado TF, et al. (2025) Microsatellite Variation of African Elephants *Loxodonta africana* Blumenbach 1797 in a Savannah Protected Area of South Sudan. *Ecology and evolution*, 15(6), e71383.

Song Z, et al. (2025) High-throughput end-to-end aphid honeydew excretion behavior recognition method based on rapid adaptive motion-feature fusion. *Frontiers in plant science*, 16, 1609222.

Zhao J, et al. (2025) TERT links telomere length to cancer risk by integrating genomic instability and immune modulation. *Discover oncology*, 16(1), 1788.

Li ZF, et al. (2025) Cellular and molecular features of acute myeloid leukemia investigation based on single-cell RNA sequencing. *Cancer cell international*, 25(1), 326.

Wang L, et al. (2025) Single-cell sequencing reveals the response mechanisms of vascular endothelial cells to glucocorticoids in diabetic retinopathy. *PloS one*, 20(11), e0334230.

Fan Y, et al. (2025) Identification and validation of shared key genes between Parkinson's disease and erectile dysfunction: a bioinformatics approach. *Hereditas*, 163(1), 3.

Kamdem NG, et al. (2025) Evidence of high genetic differentiation driven by limited gene flow in a lower canopy African tropical rainforest tree species, *Coula edulis* Baill. (Coulaceae). *BMC ecology and evolution*, 25(1), 140.

Lehoczky I, et al. (2025) Genetic survey of crucian carp *Carassius carassius* populations in Hungary for a conservation project to establish live gene bank. *Scientific reports*, 15(1), 8835.

Luo B, et al. (2025) Hippo pathway and NLRP3-driven NETosis in macrophages: Mechanisms of viral pneumonia aggravation. *Cell death discovery*, 11(1), 323.

Li H, et al. (2025) Integrated Transcriptome and Metabolomics Analyses Show MYC as a Potential Therapeutic Target for Behçet's Uveitis. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(36), e17843.

Mao L, et al. (2025) Identification and Validation of Key Genes Involved in the Coupling of Mitochondria-Associated Endoplasmic Reticulum Membrane in Hemorrhoidal Disease. *International journal of general medicine*, 18, 2781.

Sanami S, et al. (2025) Using systems biology and drug repositioning approaches to discover FDA-approved drugs candidates for endometriosis treatment. *PloS one*, 20(9), e0330841.

Bernaerts Y, et al. (2025) Combined statistical-biophysical modeling links ion channel genes to physiology of cortical neuron types. *bioRxiv : the preprint server for biology*.

Rucińska A, et al. (2025) Halfway Through Ex Situ Population Genetic Lifespan: The Case of *Cochlearia polonica*. *Biology*, 14(6).

Gao W, et al. (2025) Network pharmacology and experimental verification to investigate the mechanism of isoliquiritigenin for the treatment of Alzheimer's disease. *Scientific reports*, 15(1), 4379.

Thomas NE, et al. (2025) Spatio-Temporal Changes in Effective Population Size in an Expanding Metapopulation of Eurasian Otters. *Evolutionary applications*, 18(1), e70067.