Resource Summary Report

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BayeScan

RRID:SCR_022018
Type: Tool

Proper Citation

BayeScan (RRID:SCR_022018)

Resource Information

URL: http://cmpg.unibe.ch/software/BayeScan/index.html

Proper Citation: BayeScan (RRID:SCR_022018)

Description: Software tool to identify candidate loci under natural selection from genetic data, using differences in allele frequencies between populations.

Resource Type: data analysis software, software application, software resource, data processing software

Defining Citation: DOI:10.1534/genetics.108.092221, DOI:10.1111/j.1365-294X.2010.04820.x, DOI:10.1111/j.1365-294X.2011.05015.x

Keywords: identify candidate loci under natural selection, genetic data, differences in allele frequencies between populations

Funding: University of Bern Research Foundation ;
Swiss National Science Foundation

Availability: Free, Available for Download, Freely available

Resource Name: BayeScan

Resource ID: SCR_022018

Record Creation Time: 20220421T050138+0000

Record Last Update: 20250412T060426+0000

Ratings and Alerts

No rating or validation information has been found for BayeScan.

No alerts have been found for BayeScan.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 74 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Torrado H, et al. (2025) Evolutionary Genomics of Two Co-occurring Congeneric Fore Reef Coral Species on Guam (Mariana Islands). Genome biology and evolution, 17(1).

Worthington BM, et al. (2024) Serological evidence of sarbecovirus exposure along Sunda pangolin trafficking pathways. BMC biology, 22(1), 274.

Bruno S, et al. (2024) Validation of selection signatures for coat color in the Podolica Italiana gray cattle breed. Frontiers in genetics, 15, 1453295.

Rengefors K, et al. (2024) Population genomic analyses reveal that salinity and geographic isolation drive diversification in a free-living protist. Scientific reports, 14(1), 4986.

Vangestel C, et al. (2024) Chromosomal inversions from an initial ecotypic divergence drive a gradual repeated radiation of Galápagos beetles. Science advances, 10(22), eadk7906.

Russo A, et al. (2024) Genome of the early spider-orchid Ophrys sphegodes provides insights into sexual deception and pollinator adaptation. Nature communications, 15(1), 6308.

Vásquez C, et al. (2023) Natural mega disturbances drive spatial and temporal changes in diversity and genetic structure on the toadfish Aphos porosus. Scientific reports, 13(1), 13902.

Zhou C, et al. (2023) Genetic structure of an endangered species Ormosia henryi in southern China, and implications for conservation. BMC plant biology, 23(1), 220.

Sun Y, et al. (2023) Population Genomic Analyses Suggest a Hybrid Origin, Cryptic Sexuality, and Decay of Genes Regulating Seed Development for the Putatively Strictly Asexual Kingdonia uniflora (Circaeasteraceae, Ranunculales). International journal of molecular sciences, 24(2).

Silliman K, et al. (2023) Epigenetic and Genetic Population Structure is Coupled in a Marine Invertebrate. Genome biology and evolution, 15(2).

Lindstedt C, et al. (2022) The impact of life stage and pigment source on the evolution of novel warning signal traits. Evolution; international journal of organic evolution, 76(3), 554.

Kiani M, et al. (2022) ddRAD Sequencing Identifies Pesticide Resistance-Related Loci and Reveals New Insights into Genetic Structure of Bactericera cockerelli as a Plant Pathogen Vector. Insects, 13(3).

Farhadi A, et al. (2022) Genome-wide SNPs in the spiny lobster Panulirus homarus reveal a hybrid origin for its subspecies. BMC genomics, 23(1), 750.

Chou CH, et al. (2022) Patterns of genetic variation and QTLs controlling grain traits in a collection of global wheat germplasm revealed by high-quality SNP markers. BMC plant biology, 22(1), 455.

Hoey JA, et al. (2022) Genetic decline and recovery of a demographically rebuilt fishery species. Molecular ecology, 31(22), 5684.

Pickett BD, et al. (2022) Genome assembly of the roundjaw bonefish (Albula glossodonta), a vulnerable circumtropical sportfish. GigaByte (Hong Kong, China), 2022, gigabyte44.

Teske PR, et al. (2021) The sardine run in southeastern Africa is a mass migration into an ecological trap. Science advances, 7(38), eabf4514.

Schwabl P, et al. (2021) Colonization and genetic diversification processes of Leishmania infantum in the Americas. Communications biology, 4(1), 139.

McLean-Rodríguez FD, et al. (2021) Genetic diversity and selection signatures in maize landraces compared across 50 years of in situ and ex situ conservation. Heredity, 126(6), 913.

Bootsma ML, et al. (2021) The ghosts of propagation past: haplotype information clarifies the relative influence of stocking history and phylogeographic processes on contemporary population structure of walleye (Sander vitreus). Evolutionary applications, 14(4), 1124.