

Resource Summary Report

Generated by [ASWG](#) on Aug 2, 2026

vcflib

RRID:SCR_001231

Type: Tool

Proper Citation

vcflib (RRID:SCR_001231)

Resource Information

URL: <https://github.com/ekg/vcflib>

Proper Citation: vcflib (RRID:SCR_001231)

Description: A C++ library for parsing and manipulating Variant Call Format (VCF) files, and many command-line utilities. The API provides a quick and extremely permissive method to read and write VCF files. Extensions and applications of the library provided in the included utilities (*.cpp) comprise the vast bulk of the library's utility for most users.

Abbreviations: vcflib

Resource Type: software resource, software library, software toolkit

Keywords: c++, sequence variation, genomic variation, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: vcflib

Resource ID: SCR_001231

Alternate IDs: biotools:vcflib, OMICS_02112

Alternate URLs: <https://bio.tools/vcflib>, <https://sources.debian.org/src/libvcflib-dev/>

Old URLs: <https://sources.debian.org/src/libvcflib-dev/>

Record Creation Time: 20220129T080206+0000

Record Last Update: 20260801T190724+0000

Ratings and Alerts

No rating or validation information has been found for vcflib.

No alerts have been found for vcflib.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 119 mentions in open access literature.

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

Ni A, et al. (2025) Identifying candidate genetic variants for egg number by analyzing over 1,000 fully sequenced layers. *GigaScience*, 14.

Li Y, et al. (2025) Biosurveillance of Invasive Southern Corn Rust: Insights Into Recent Migration Patterns and Virulence Variation. *Molecular plant pathology*, 26(10), e70159.

Zimenkov D, et al. (2025) High Prevalence of *atpE* Mutations in Bedaquiline-Resistant *Mycobacterium tuberculosis* Isolates, Russia. *Emerging infectious diseases*, 31(3), 525.

Qiu Y, et al. (2025) Origins, Dispersal, and Impact: Bidirectional Introgression Between Chinese and European Pig Populations. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(22), e2416573.

Platt li RN, et al. (2025) Genomic data reveal a north-south split and introgression history of blood fluke populations across Africa. *Nature communications*, 16(1), 3508.

Mekonnen AM, et al. (2025) Variant-aware Cas-OFFinder: web-based in silico variant-aware potential off-target site identification for genome editing applications. *Nucleic acids research*, 53(W1), W118.

Liu Y, et al. (2025) Neuronal detection triggers systemic digestive shutdown in response to adverse food sources in *Caenorhabditis elegans*. *eLife*, 14.

Schiffer AM, et al. (2025) A comparison of short- and long-read whole-genome sequencing for microbial pathogen epidemiology. *mSystems*, 10(12), e0142625.

Schiffer AM, et al. (2025) A comparison of short- and long-read whole genome sequencing for microbial pathogen epidemiology. *bioRxiv : the preprint server for biology*.

Truskey S, et al. (2025) Non-Random Mortality in an Experimental Oyster Restoration. *Evolutionary applications*, 18(7), e70128.

Tsushima A, et al. (2025) k-mer-based GWAS reveals a candidate avirulence gene and structural variation in *Puccinia triticina* linked to gain of Lr20 virulence. *BMC genomics*, 26(1), 1076.

Stuart OP, et al. (2025) Purging of Highly Deleterious Mutations Through an Extreme Bottleneck. *Molecular biology and evolution*, 42(4).

Berg R, et al. (2025) Peripheral Budding Following Range Expansion Explains Diversity and Distribution of One-Sided Livebearing Fish. *Molecular ecology*, 34(16), e70023.

Everitt T, et al. (2025) Unexpectedly low recombination rates and presence of hotspots in termite genomes. *Genome research*, 35(5), 1124.

Arshad F, et al. (2025) A comprehensive water buffalo pangenome reveals extensive structural variation linked to population-specific signatures of selection. *GigaScience*, 14.

Henningsen EC, et al. (2024) A high-resolution haplotype collection uncovers somatic hybridization, recombination and intercontinental movement in oat crown rust. *PLoS genetics*, 20(11), e1011493.

Jayaprasad S, et al. (2024) Orthopteran Neo-Sex Chromosomes Reveal Dynamics of Recombination Suppression and Evolution of Supergenes. *Molecular ecology*, 33(23), e17567.

Bernos TA, et al. (2024) Widespread admixture blurs population structure and confounds Lake Trout (*Salvelinus namaycush*) conservation even in the genomic era. *Scientific reports*, 14(1), 30838.

Yang H, et al. (2024) Characterization of the sex determining region and development of a molecular sex identification method in a Salangid fish. *BMC genomics*, 25(1), 1120.

Sigeman H, et al. (2024) The rate of W chromosome degeneration across multiple avian neo-sex chromosomes. *Scientific reports*, 14(1), 16548.