

Resource Summary Report

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VCFtools

RRID:SCR_001235

Type: Tool

Proper Citation

VCFtools (RRID:SCR_001235)

Resource Information

URL: <https://vcftools.github.io/index.html>

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Description: Software package for working with VCF files. Used to provide easily accessible methods for working with complex genetic variation data in the form of VCF files. Implements various utilities for processing Variant Call Format files, including validation, merging, comparing. Provides general Perl API.

Synonyms: Variant Call Format Tools

Resource Type: data management software, software application, software resource

Defining Citation: [PMID:21653522](#), [DOI:10.1093/bioinformatics/btr330](#)

Keywords: perl, genetic variation, variant call format, software, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: VCFtools

Resource ID: SCR_001235

Alternate IDs: OMICS_02105, SCR_012092, biotools:vcftools, OMICS_05112

Alternate URLs: <https://bio.tools/vcftools>, <https://sources.debian.org/src/vcftools/>

Old URLs: <http://vcftools.sourceforge.net/>

License: GNU Lesser General Public License v3

Record Creation Time: 20220129T080206+0000

Record Last Update: 20260912T195521+0000

Ratings and Alerts

No rating or validation information has been found for VCFtools.

No alerts have been found for VCFtools.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4555 mentions in open access literature.

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

Sharma M, et al. (2026) Improved reference assembly and core collection resequencing to facilitate exploration of important agronomical traits for the improvement of oilseed crop, *Carthamus tinctorius* L. *GigaScience*, 15.

Schlebusch SA, et al. (2026) Sex chromosome turnover and structural genome divergence shape meiotic outcomes in hybridizing *Cobitis*. *GigaScience*, 15.

Lu Q, et al. (2026) Genomic characterization and pathogenicity validation of *Mycoplasma ovipneumoniae* strains from diseased sheep: insights into potential pathogenic mechanisms of GSWW364. *Veterinary research*, 57(1).

Yu K, et al. (2026) Phase II Trial of Ixazomib Combined with Gemcitabine and Doxorubicin in Patients with SMARCB1-Deficient Renal Medullary Carcinoma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(10), 1946.

McFarland LN, et al. (2026) The dilution effect of stocking and the loss of wildness among North American mallards. *Current biology : CB*.

Denis H, et al. (2026) Contrasting population structures of reef-building corals and their algal symbionts inform adaptive potential across the western Pacific. *Current biology : CB*, 36(11), 2808.

Liu Q, et al. (2026) Structural variation drives praziquantel response and host adaptation in *Schistosoma japonicum*. *iScience*, 29(6), 116118.

Cappadona C, et al. (2026) Multi-omics identifies oxidative stress, prothrombotic pathways, and lactoperoxidase variants as key factors in COVID-19 severity. *EBioMedicine*, 123, 106111.

Ma Y, et al. (2026) Gene-culture coevolution shapes olfactory receptor gene diversity in Orang Asli populations. *Cell reports*, 117181.

Zhu C, et al. (2026) Identification of non-canonical peptides with moPepGen. *Nature biotechnology*, 44(4), 568.

Zhang Y, et al. (2026) Genome characteristics and identification of reproduction-related genes in Southwest meat goats. *BMC genomics*, 27(1).

Sandhu N, et al. (2026) GWAS reveals genetic interplay between root architecture and nitrogen uptake in *Aegilops tauschii*. *BMC plant biology*, 26(1).

Ward AK, et al. (2026) Low-level contamination confounds population genomic analysis. *G3 (Bethesda, Md.)*, 16(4).

Ai Z, et al. (2026) Population genomic analysis of Weining chicken via dd-RAD sequencing: Unraveling diversity, structure, and selective sweeps. *Poultry science*, 105(4), 106499.

Kuang Z, et al. (2026) Genomic insights into chromosomal fusion and its evolutionary implications for zokors. *Molecular biology and evolution*, 43(2).

Krah FS, et al. (2026) Population Genomics of a Rare and a Common Wood-Inhabiting Fungal Species Across Europe. *Molecular ecology*, 35(3), e70260.

Jiang Z, et al. (2026) Vertebral morphological changes driven by *rflna* lead to body shape differentiation in carp. *Zoological research*, 47(1), 128.

Nikoghosyan M, et al. (2026) Population structure of wild and cultivated grapevines in Armenia. *BMC plant biology*, 26(1).

Hagen IJ, et al. (2026) Genetic Markers for Tracing Introgression of Farmed Atlantic Salmon (*Salmo salar*) in Wild Conspecifics. *Molecular ecology resources*, 26(1), e70065.

Rattanawong K, et al. (2026) Autonomous development and regeneration of isolated rice egg cells in vitro in a fertilization-independent manner. *Journal of experimental botany*, 77(2), 463.