

# Resource Summary Report

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## discoSnp

RRID:SCR\_002612

Type: Tool

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### Proper Citation

discoSnp (RRID:SCR\_002612)

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### Resource Information

**URL:** <http://colibread.inria.fr/discosnp/>

**Proper Citation:** discoSnp (RRID:SCR\_002612)

**Description:** Software designed for discovering Single Nucleotide Polymorphism (SNP) from raw sets of reads obtained with Next Generation Sequencers (NGS).

**Synonyms:** DiscoSnp++, discovering Single Nucleotide Polymorphism, discovering Single Nucleotide Polymorphism (discoSNP)

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

**Defining Citation:** [PMID:25404127](#)

**Keywords:** single nucleotide polymorphism, snp discovery, discover snp, bio.tools

**Funding:** SOFIPROTEOL under the FASO project PEAPOL ;  
INRIA ANR-12-BS02-0008

**Availability:** Free, Freely available

**Resource Name:** discoSnp

**Resource ID:** SCR\_002612

**Alternate IDs:** biotools:discosnp, OMICS\_00267

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

**License:** GNU AFFERO GENERAL PUBLIC LICENSE

**License URLs:** <https://www.gnu.org/licenses/agpl.html>

**Record Creation Time:** 20220129T080214+0000

**Record Last Update:** 20260919T195002+0000

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## Ratings and Alerts

No rating or validation information has been found for discoSnp.

No alerts have been found for discoSnp.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 9 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

Xu Z, et al. (2025) PISAD: reference-free intraspecies sample anomalies detection tool based on k-mer counting. GigaScience, 14.

Tong S, et al. (2025) Longitudinal and cross-sectional sampling and whole genome sequencing of Campylobacter in a chicken abattoir reveal highly dynamic population structure. Applied and environmental microbiology, 91(6), e0236924.

Seah YM, et al. (2023) In Silico Evaluation of Variant Calling Methods for Bacterial Whole-Genome Sequencing Assays. Journal of clinical microbiology, 61(8), e0184222.

Laso-Jadart R, et al. (2023) Holistic view of the seascape dynamics and environment impact on macro-scale genetic connectivity of marine plankton populations. BMC ecology and evolution, 23(1), 46.

Tsui CK, et al. (2018) Beaver Fever: Whole-Genome Characterization of Waterborne Outbreak and Sporadic Isolates To Study the Zoonotic Transmission of Giardiasis. mSphere, 3(2).

Lopez-Maestre H, et al. (2016) SNP calling from RNA-seq data without a reference genome: identification, quantification, differential analysis and impact on the protein sequence. Nucleic acids research, 44(19), e148.

Boutet G, et al. (2016) SNP discovery and genetic mapping using genotyping by sequencing of whole genome genomic DNA from a pea RIL population. BMC genomics, 17, 121.

Uricaru R, et al. (2015) Reference-free detection of isolated SNPs. Nucleic acids research, 43(2), e11.

Leggett RM, et al. (2014) Reference-free SNP detection: dealing with the data deluge. BMC genomics, 15 Suppl 4(Suppl 4), S10.