

Resource Summary Report

Generated by [RRID](#) on Aug 15, 2026

NextDenovo

RRID:SCR_025033

Type: Tool

Proper Citation

NextDenovo (RRID:SCR_025033)

Resource Information

URL: <https://github.com/Nextomics/NextDenovo>

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Description: Software error correction and accurate assembly tool for noisy long reads. De novo assembler for long reads. String graph-based de novo assembler for long reads like CLR, HiFi and ONT.

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

Defining Citation: [DOI:10.1101/2023.03.09.531669](https://doi.org/10.1101/2023.03.09.531669)

Keywords: De novo assembler, error correction, accurate assembly, noisy long reads,

Availability: Free, Available for download, Freely available

Resource Name: NextDenovo

Resource ID: SCR_025033

License: GNU GPL v3

Record Creation Time: 20240305T200904+0000

Record Last Update: 20260815T042909+0000

Ratings and Alerts

No rating or validation information has been found for NextDenovo.

No alerts have been found for NextDenovo.

Data and Source Information

Usage and Citation Metrics

We found 323 mentions in open access literature.

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

de Souza Araujo N, et al. (2026) Retroelement expansions underlie genome evolution in stingless bees. *BMC genomics*, 27(1), 160.

Jian J, et al. (2026) Chromosome-level genome assembly of agar-producing red seaweed *Gracilaria vermiculophylla*. *Scientific data*, 13(1).

Vu DQ, et al. (2026) A chromosome-scale genome assembly of *Tigridiopalma magnifica*. *Scientific data*, 13(1).

Huang Y, et al. (2026) *Digitaria* genome analyses indicate introgression may drive local adaptation and herbicide resistance. *Nature communications*, 17(1).

Ben Chehida Y, et al. (2026) Genetic parallelism underpins convergent mimicry coloration in Lepidoptera across 120 million years of evolution. *PLoS biology*, 24(4), e3003742.

Li F, et al. (2026) Transition From Land to Sea: Comparative Genomics Illuminates the Adaptive Evolution of the Intertidal Spider. *Molecular ecology resources*, 26(4), e70147.

Li M, et al. (2026) Intricate chemosymbiosis in a widespread shallow-water thyasirid clam. *Science advances*, 12(10), eadw8163.

Yu Q, et al. (2026) Diversity and evolution of a phase-variable multi-locus antigen in *Neisseria gonorrhoeae*. *PLoS pathogens*, 22(5), e1013962.

Hu Y, et al. (2026) Novel insights into retrogene evolution and cold adaptation in the alpine plant *Crucihimalaya himalaica* (Brassicaceae). *BMC biology*, 24(1).

Liu P, et al. (2026) Telomere-to-telomere genome of *Stylosanthes guianensis* uncovers symbiotic adaptation to phosphorus-deficient soils. *Genome biology*, 27(1).

Dean LL, et al. (2026) The tiger who came to T2T: Telomere-to-Telomere genome assembly of the Sumatran tiger (*Panthera tigris sumatrae*) using nanopore simplex reads. *BMC genomics*, 27(1).

Lan L, et al. (2026) Comparative Genomics Provide Insights Into Karyotype Evolution in Vespertilionid Bats (Vespertilionidae, Chiroptera). *Molecular ecology resources*, 26(3), e70129.

Huang X, et al. (2026) An Improved Chromosome-Level Genome Assembly and Comprehensive Annotation of the Model Ascidian *Ciona savignyi*. *Scientific data*, 13(1).

Kou Y, et al. (2026) Haplotype-resolved T2T genome and population resequencing provide insights into the domestication and mogroside biosynthesis of *Siraitia grosvenorii*

(Cucurbitaceae). Horticulture research, 13(7), uhag103.

Guan DL, et al. (2026) A chromosome-level genome assembly for the mulberry thrips *Pseudodendrothrips mori* (Thysanoptera: Thripidae). Scientific data, 13(1).

Yu Q, et al. (2026) Diversity and evolution of a phase-variable multi-locus antigen in *Neisseria gonorrhoeae*. bioRxiv : the preprint server for biology.

Wang S, et al. (2026) De Novo Genome Assembly, Genomic Features, and Comparative Analysis of the Sawfly *Dentathalia scutellariae*. Biology, 15(3).

Liu X, et al. (2026) Going wild in banana breeding enables *Fusarium*-resistant hybrids with improved fruit quality. Nature communications, 17(1).

Niu Y, et al. (2026) Chromosome-level genome assembly of the blackchin tilapia (*Sarotherodon melanotheron*). Scientific data, 13(1).

Liu T, et al. (2026) Chromosome-level genome assembly and annotation of the endangered plant *Primula kwangtungensis* (Primulaceae). Scientific data, 13(1), 212.