

Resource Summary Report

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Racon

RRID:SCR_017642

Type: Tool

Proper Citation

Racon (RRID:SCR_017642)

Resource Information

URL: <https://github.com/isovic/racon>

Proper Citation: Racon (RRID:SCR_017642)

Description: Software tool as de novo genome assembly from long uncorrected reads. Used to correct raw contigs generated by rapid assembly methods which do not include consensus step. Supports data produced by Pacific Biosciences and Oxford Nanopore Technologies.

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

Defining Citation: [DOI:10.1101/068122](https://doi.org/10.1101/068122)

Keywords: Assembly, de novo, long, uncorrected, read, raw, contig, consensus, step, data, sequence, bio.tools

Funding: Croatian Science Foundation ;
Croatian Academy of Sciences and Arts ;
A*STAR ;
Singapore

Availability: Free, Available for download, Freely available

Resource Name: Racon

Resource ID: SCR_017642

Alternate IDs: OMICS_25714, biotools:Racon, BioTools:Racon

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

License: MIT License

Record Creation Time: 20220129T080336+0000

Ratings and Alerts

No rating or validation information has been found for Racon.

No alerts have been found for Racon.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 149 mentions in open access literature.

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

Gao C, et al. (2026) High-Quality Genome Assembly of *Diplocarpon coronariae* Unveils LTR Retrotransposon-Driven Structural Dynamics in Fungi Evolution. *Molecular ecology resources*, 26(1), e70070.

Zhang Y, et al. (2025) An annotated chromosome-level genome of a troglomorphic spider (*Pimoa clavata*). *Scientific data*, 12(1), 1398.

Landis JB, et al. (2025) Reference genome of *Calochortus tolmiei* Hook. & Arn. (*Liliaceae*), a cat's ear mariposa lily. *G3 (Bethesda, Md.)*, 15(3).

Iliev I, et al. (2025) Characterization and Probiotic Potential of *Levilactobacillus brevis* DPL5: A Novel Strain Isolated from Human Breast Milk with Antimicrobial Properties Against Biofilm-Forming *Staphylococcus aureus*. *Microorganisms*, 13(1).

DeWeese K, et al. (2025) Scaffolded and annotated nuclear and organelle genomes of the North American brown alga *Saccharina latissima*. *Frontiers in genetics*, 16, 1494480.

Wang ZF, et al. (2025) Chromosome-scale assemblies of three *Ormosia* species: repetitive sequences distribution and structural rearrangement. *GigaScience*, 14.

Bian C, et al. (2025) Chromosome-level genome assemblies of five *Sinocyclocheilus* species. *GigaByte (Hong Kong, China)*, 2025, gigabyte155.

Jiang D, et al. (2025) The telomere-to-telomere genome of flowering cherry (*Prunus campanulata*) reveals genomic evolution of the subgenus *Cerasus*. *GigaScience*, 14.

Wang Y, et al. (2025) Telomere-to-telomere genome of common bean (*Phaseolus vulgaris* L., YP4). *GigaScience*, 14.

Qi J, et al. (2025) Genomic Sequencing and Characterization of Two *Auricularia* Species from the Qinling Region: Insights into Evolutionary Dynamics and Secondary Metabolite Potential. *Journal of fungi (Basel, Switzerland)*, 11(5).

Franco Ortega S, et al. (2025) Assembly and annotation of *Solanum dulcamara* and *Solanum nigrum* plant genomes, two nightshades with contrasting susceptibilities to *Ralstonia solanacearum*. *G3* (Bethesda, Md.), 15(7).

Lovell JT, et al. (2025) Comparative Analyses of Four Reference Genomes Reveal Exceptional Diversity and Weak Linked Selection in the Yellow Monkeyflower (*Mimulus guttatus*) Complex. *Molecular ecology resources*, 25(8), e70012.

Rao X, et al. (2025) Genomic and transcriptomic insights into the molecular responses of a biocrust-derived oleaginous microalga *Vischeria* sp. WL1 to nitrogen depletion and recovery. *Synthetic and systems biotechnology*, 10(4), 1160.

Liu J, et al. (2025) Comparative genomics provides insights into the biogeographic and biochemical diversity of meliaceous species. *Nature communications*, 16(1), 2603.

Liu H, et al. (2025) A telomere-to-telomere gapless genome reveals *SIPRR1* control of circadian rhythm and photoperiodic flowering in tomato. *GigaScience*, 14.

Qin H, et al. (2025) The complete genome assembly of *Astragalus membranaceus*: enabling more accurate genetic research. *GigaScience*, 14.

Liu J, et al. (2025) Chromosome-level genome assembly of the seasonally polyphenic scorpionfly (*Panorpa liui*). *Scientific data*, 12(1), 22.

Ritter EJ, et al. (2025) The assembly and annotation of two teinturier grapevine varieties, *Dakapo* and *Rubired*. *GigaByte* (Hong Kong, China), 2025, gigabyte149.

Schell T, et al. (2025) Establishing genome sequencing and assembly for non-model and emerging model organisms: a brief guide. *Frontiers in zoology*, 22(1), 7.

Dai H, et al. (2025) Mining expansin-like proteins from rumen microbiota and functional characterization of two anaerobic fungal expansin-like proteins. *Journal of animal science and biotechnology*, 16(1), 155.