

Resource Summary Report

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LoRDEC

RRID:SCR_015814

Type: Tool

Proper Citation

LoRDEC (RRID:SCR_015814)

Resource Information

URL: <http://www.atgc-montpellier.fr/lordec/>

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Description: Software that performs hybrid error correction for long, PacBio reads. LoRDEC can correct insertions, deletions, and substitutions in PacBio reads.

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

Defining Citation: [PMID:25165095](#)

Keywords: hybrid error correction, pacbio read, long error correction, real-time sequencing, bio.tools

Funding: Academy of Finland 267591;
ANR Colib'read ANR-12-BS02-0008

Availability: Free, Available for download

Resource Name: LoRDEC

Resource ID: SCR_015814

Alternate IDs: biotools:lordec

Alternate URLs: <https://bio.tools/lordec>

License: CeCILL A license

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260821T194028+0000

Ratings and Alerts

No rating or validation information has been found for LoRDEC.

No alerts have been found for LoRDEC.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 217 mentions in open access literature.

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

Hu J, et al. (2026) Full-length transcriptome atlas of porcine skeletal muscle reveals isoform-resolved genetic regulatory mechanisms for muscle growth. BMC genomics, 27(1).

Ozawa M, et al. (2026) Characterization of Lactococcus isolated from diseased yellowtail in Japan using whole-genome sequencing. The Journal of veterinary medical science, 88(2), 305.

Yang K, et al. (2026) In vivo base editing of Chd3 rescues behavioural abnormalities in mice. Nature, 651(8106), 785.

Jin L, et al. (2026) Leaf physiological and transcriptomic analyses provide insights into the regulatory network underlying high yield in yam under directional cultivation. BMC plant biology, 26(1).

Yang H, et al. (2026) Multi-omics reveals terpenoid biosynthesis and antioxidant activity at maturity stage in Zanthoxylum armatum DC. fruits. NPJ science of food, 10(1), 45.

Wang M, et al. (2026) The multichromosomal structure evolution of Dendrobium mitogenomes and new insights into interrelationships of recently radiated tribes in Epidendroideae (Orchidaceae). Frontiers in plant science, 17, 1864920.

Kawabata Y, et al. (2026) Antimicrobial susceptibility of Escherichia coli isolated from wild deer (Cervus nippon yesoensis) and fox (Vulpes vulpes schrencki) in Hokkaido: a pilot study on sustainable antimicrobial resistance monitoring. The Journal of veterinary medical science, 88(4), 642.

Zhang Y, et al. (2026) Deciphering the Biosynthetic Pathways and Regulatory Networks of the Active Components of Cibotium barometz by Transcriptomic Analysis. International journal of molecular sciences, 27(4).

Chen Y, et al. (2026) Transcriptomic Evidence Reveals the IIS-FOXO-SOD2 Axis as a Core Anti-Aging Pathway in Long-Lived Queens of Odontotermes formosanus. Insects, 17(4).

- Swift SZ, et al. (2026) Integration of Short- and Long-Read RNA Sequencing Enables the Discovery of Circular RNAs. *Cancer research*, 86(5), 1300.
- Yan Y, et al. (2025) Comprehensive full-Length transcriptomic resource for wing dimorphism in English green aphid, *Sitobion avenae*. *Scientific data*, 12(1), 1034.
- Brunelli L, et al. (2025) Genetic and phenotypic stability of *Lactocaseibacillus paracasei* DG (DSM 34154) over 10 years of industrial production. *Applied and environmental microbiology*, 91(5), e0239424.
- He H, et al. (2025) Chromosome-level genome assembly of *Monolepta hieroglyphica*, two-spotted leaf beetle (Coleoptera: Chrysomelidae). *Scientific data*, 12(1), 1.
- Park H, et al. (2025) Chromosome-level genome of *Zoysia sinica* in the intertidal zone reveals genomic insights into waterlogging stress adaptation. *The plant genome*, 18(3), e70070.
- Zhang B, et al. (2025) Transcriptome-wide analysis of AlbHLH gene family in *Atractylodes lancea* (Thunb.) DC and functional exploration of AlbHLH3 in regulating terpenoid biosynthesis. *BMC plant biology*, 25(1), 1551.
- Liu K, et al. (2025) Grafting enhances growth vigor and photosynthetic capacity in the progeny of critically endangered *Abies beshanzuensis*. *BMC plant biology*, 26(1), 56.
- Li Y, et al. (2025) Skeleton-Forming Responses of Reef-Building Corals under Ocean Acidification. *Research (Washington, D.C.)*, 8, 0736.
- Tonon E, et al. (2025) Chromosomal-level assembly of *Magnusiomyces clavatus*: novel genetic insights on an emerging fungal pathogen. *G3 (Bethesda, Md.)*, 15(11).
- Hegedüs B, et al. (2025) Morphogenesis, starvation, and light responses in a mushroom-forming fungus revealed by long-read sequencing and extensive expression profiling. *Cell genomics*, 5(6), 100853.
- Li J, et al. (2025) Full-length transcriptome analysis of male and female gonads in Japanese Eel (*Anguilla japonica*). *BMC genomics*, 26(1), 89.