

Resource Summary Report

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Mercury

RRID:SCR_022964

Type: Tool

Proper Citation

Mercury (RRID:SCR_022964)

Resource Information

URL: <https://github.com/marbl/mercury>

Proper Citation: Mercury (RRID:SCR_022964)

Description: Software toolkit for reference free quality, completeness, and phasing assessment for genome assemblies. Genome assembly quality evaluation based on k-mers.

Resource Type: software toolkit, software resource

Defining Citation: [PMID:32928274](#)

Keywords: reference free quality, completeness, phasing assessment, genome assemblies, quality evaluation based on k-mers

Funding: NHGRI

Availability: Free, Available for download, Freely available

Resource Name: Mercury

Resource ID: SCR_022964

License URLs: <https://github.com/marbl/mercury/blob/master/LICENSE>

Record Creation Time: 20221115T050204+0000

Record Last Update: 20260729T044549+0000

Ratings and Alerts

No rating or validation information has been found for Mercury.

No alerts have been found for Mercury.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 61 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Javier MCF, et al. (2025) Draft genome of the endangered visayan spotted deer (*Rusa alfredi*), a Philippine endemic species. GigaByte (Hong Kong, China), 2025, gigabyte150.

Bian C, et al. (2025) A complete telomere-to-telomere chromosome-level genome assembly of X-ray tetra (*Pristella maxillaris*). Scientific data, 12(1), 496.

Xia W, et al. (2025) Chromosome-level genome assembly and annotation of *Pterygoplichthys pardalis*. Scientific data, 12(1), 1091.

Peng G, et al. (2025) The high-quality telomere-to-telomere genome assembly of the earthworm (*Amyntas aspergillum*). Scientific data, 12(1), 931.

Lan T, et al. (2025) Enhancing inbreeding estimation and global conservation insights through chromosome-level assemblies of the Chinese and Malayan pangolin. GigaScience, 14.

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

Cao C, et al. (2025) A near telomere-to-telomere genome assembly of the Jinhua pig: enabling more accurate genetic research. GigaScience, 14.

Li Z, et al. (2025) Phased high-quality genome of the gymnosperm Himalayan Yew assists in paclitaxel pathway exploration. GigaScience, 14.

Naktang C, et al. (2025) Chromosome-level assemblies of two hexaploid bamboos, *Thyrsostachys oliveri* and *Thyrsostachys siamensis*, provide a foundation for functional and comparative genomics studies. GigaScience, 14.

Volpe E, et al. (2025) The reference genome of the human diploid cell line RPE-1. Nature communications, 16(1), 7751.

Yuan J, et al. (2025) A telomere-to-telomere genome assembly of koi carp (*Cyprinus carpio*) using long reads and Hi-C technology. GigaScience, 14.

Simmons NB, et al. (2025) The genome sequence of *Glossophaga mutica* (Chiroptera, Phyllostomidae, Glossophaginae; Merriam, 1898). Wellcome open research, 10, 174.

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.

Wang F, et al. (2025) Analysis of the *Rehmannia chingii* genome identifies RcCYP72H7 as an epoxidase in iridoid glycoside biosynthesis. *Nature communications*, 16(1), 6035.

Chrysostomakis I, et al. (2025) A high-quality reference genome for the Ural Owl (*Strix uralensis*) enables investigations of cell cultures as a genomic resource for endangered species. *GigaScience*, 14.

Oriowo TO, et al. (2025) A chromosome-level, haplotype-resolved genome assembly and annotation for the Eurasian minnow (*Leuciscidae: Phoxinus phoxinus*) provide evidence of haplotype diversity. *GigaScience*, 14.

Wang G, et al. (2025) Genomic evidence for hybridization and introgression between blue peafowl and endangered green peafowl and molecular foundation of leucistic plumage of blue peafowl. *GigaScience*, 14.

Liu C, et al. (2025) A chromosome-scale genome assembly of the pioneer plant *Stylosanthes angustifolia*: insights into genome evolution and drought adaptation. *GigaScience*, 14.

Hartley GA, et al. (2025) Centromeric transposable elements and epigenetic status drive karyotypic variation in the eastern hoolock gibbon. *Cell genomics*, 5(4), 100808.

He X, et al. (2025) Combined genomic, transcriptomic, and metabolomic analyses provide insights into the fruit development of bottle gourd (*Lagenaria siceraria*). *Horticulture research*, 12(3), uhae335.