

Resource Summary Report

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MITObim

RRID:SCR_015056

Type: Tool

Proper Citation

MITObim (RRID:SCR_015056)

Resource Information

URL: <https://github.com/chrishah/MITObim>

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Description: Method for mitochondrial baiting and iterative mapping. MITObim assembles novel mitochondrial genomes of non-model organisms directly from total genomic DNA derived NGS reads.

Resource Type: software resource, software toolkit

Keywords: mitochondrial baiting, iterative mapping, ngs read, mitochondrial genome

Availability: Available for download, Free, Tutorial available

Resource Name: MITObim

Resource ID: SCR_015056

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260905T133300+0000

Ratings and Alerts

No rating or validation information has been found for MITObim .

No alerts have been found for MITObim .

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 284 mentions in open access literature.

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

Fontenelle T, et al. (2026) Mitogenomic sequencing of the Brazilian Mastiff and Brazilian Terrier suggests a complex scenario of breed formation for two established Brazilian dog breeds. *Genetics and molecular biology*, 49(1), e20250149.

Yuan ML, et al. (2026) Demographic expansion and panmixia in a St. Martin endemic, *Anolis pogus*, coincides with the decline of a competitor. *The Journal of heredity*, 117(1), 1.

Singh US, et al. (2026) Early hominin arrival in Southeast Asia triggered the evolution of major human malaria vectors. *Scientific reports*, 16(1).

Liu C, et al. (2026) Genomic signatures of rapid local selection and introgression drive adaptive phylogeography in the European river skater. *BMC biology*, 24(1), 45.

Hao Y, et al. (2026) The mitochondrial genome characteristics of *Coronocylus coronatus* (Looss, 1900) and comparative analysis with other strongylid nematodes. *Parasitology research*, 125(1).

Miao X, et al. (2026) The complete mitochondrial genome of *Myotis chinensis* (Chiroptera: Vespertilionidae) and its phylogenetic analysis. *Mitochondrial DNA. Part B, Resources*, 11(7), 849.

Saldamando CI, et al. (2026) Genomic and phylogenetic insights for three species of thrips (Thysanoptera: Terebrantia) associated with Colombian avocado. *Journal of insect science (Online)*, 26(1).

Gu TT, et al. (2026) Large-scale genomic phylogeography provides insights into evolutionary history and conservation priorities of the white-bellied pangolin (*Phataginus tricuspis*). *Molecular biology and evolution*, 43(3).

Wang K, et al. (2026) Integrative Taxonomy of *Pachygrontha* (Heteroptera: Pachygronthidae) in East and Southeast Asia Reveals New Insights Into Species and Group Delimitation. *Ecology and evolution*, 16(7), e73679.

Tang H, et al. (2026) Non-destructive DNA extraction for recovering mitochondrial genomes from museum grasshopper specimens. *PloS one*, 21(2), e0341621.

Huang T, et al. (2026) The Complete Mitochondrial Genome of *Portunion sinensis* (Crustacea: Isopoda) and Its Phylogenies. *Biology*, 15(3).

de Siqueira E Silva MC, et al. (2026) Mitochondrial genomes from RNA-Seq reveal phylogeny and selection in *Mepraia* (Hemiptera: Reduviidae). *Molecular genetics and genomics* : MGG, 301(1).

Seixas FA, et al. (2026) Ancient inversion polymorphisms are locally adaptive in a widespread butterfly species. *Science advances*, 12(27), eadv1982.

Schmid S, et al. (2025) Genomic Architecture of the Clownfish Hybrid Amphiprion leucokranos. Genome biology and evolution, 17(3).

Carvajal-Castro JD, et al. (2025) Global Environmental Factors Impact the Evolution of Adult Hemoglobins in Squamata Reptiles (Lizards and Snakes) and Terrestrial Turtles. Genome biology and evolution, 17(10).

Lord E, et al. (2025) Genome analyses suggest recent speciation and postglacial isolation in the Norwegian lemming. Proceedings of the National Academy of Sciences of the United States of America, 122(28), e2424333122.

Worm AJ, et al. (2025) Repeated Successful Nest Sharing and Cooperation Between Western Kingbirds (Tyrannus verticalis) and a Female Western Kingbird × Scissor-Tailed Flycatcher (T. forficatus) Hybrid. Ecology and evolution, 15(1), e70818.

Almojil D, et al. (2025) The two sub-genomes of the allotetraploid frog Xenopus laevis are evolving under similar selective pressure in extant populations. BMC genomics, 26(1), 887.

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.

Guo B, et al. (2025) The genetic variation of mitochondrial sequences and pathological differences of Echinococcus multilocularis strains from different continents. Microbiology spectrum, 13(4), e0131824.