

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 [Kravitz](#) .

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.

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).

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

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

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

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.

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.

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).

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.

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.

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

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.

Wang X, et al. (2025) The complete mitochondrial genome of the *Toxopneustes pileolus* Lamarck, 1816 (Echinoidea: Camarodonta: Toxopneustidae) and phylogenetic analysis. *Mitochondrial DNA. Part B, Resources*, 10(3), 253.