

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 toolkit, software resource

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: 20260803T040651+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 267 mentions in open access literature.

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

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.

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

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.

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.

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.

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).

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.

Francioli YZ, et al. (2025) Estimation of genome-wide coupling in rattlesnake hybrids provides insight into the process of speciation and its progress. *Nature communications*, 16(1), 10242.

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.

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.

Deak G, et al. (2025) Molecular characterization and reference mitogenome of the hookworm *Uncinaria criniformis* (Goeze, 1782) from the Eurasian badger. *Parasitology*, 152(10), 1070.

Sterling MJ, et al. (2025) ?A revision of the hitherto neglected genus *Topiris* Walker, 1863 (Lepidoptera, Xyloryctidae) with taxonomic notes on the genus *Athrypsiastis* Meyrick, 1910. *ZooKeys*, 1229, 297.

Ruiz-Ruano FJ, et al. (2025) Programmed DNA elimination drives rapid genomic innovation in two thirds of all bird species. *bioRxiv : the preprint server for biology*.

Sharif MB, et al. (2025) Environmental DNA from peck marks shows potential for non-invasive monitoring of woodpeckers. PloS one, 20(8), e0328831.

Guan B, et al. (2024) Comparative and phylogenetic analyses based on the complete chloroplast genome of *Cornus* subg. *Syncarpea* (Cornaceae) species. Frontiers in plant science, 15, 1306196.

Gu Y, et al. (2024) Mitochondrial genome study of *Camellia oleifera* revealed the tandem conserved gene cluster of nad5-nads in evolution. Frontiers in plant science, 15, 1396635.

Huang X, et al. (2024) The genome of African manatee *Trichechus senegalensis* reveals secondary adaptation to the aquatic environment. iScience, 27(7), 110394.

Wei S, et al. (2024) Characterization and phylogenetic analysis of the complete mitochondrial genome of *Aipysurus eydouxii* Gray 1849 (Elapidae: Hydrophiinae). Mitochondrial DNA. Part B, Resources, 9(10), 1450.

Zhou Z, et al. (2024) The complete mitochondrial genome of *Sarcophaga angarosinica* (Diptera: Sarcophagidae). Mitochondrial DNA. Part B, Resources, 9(2), 242.

Yang L, et al. (2024) Comparative chloroplast genomics of Caryophyllaceae species: insights into sequence variations and phylogenetic evolution. BMC plant biology, 24(1), 1259.