

Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

ClipKIT

RRID:SCR_026411

Type: Tool

Proper Citation

ClipKIT (RRID:SCR_026411)

Resource Information

URL: <https://github.com/JLSteenwyk/ClipKIT>

Proper Citation: ClipKIT (RRID:SCR_026411)

Description: Software fast and flexible alignment trimming tool that keeps phylogenetically informative sites and removes others. Multiple sequence alignment-trimming algorithm for accurate phylogenomic inference.

Resource Type: software resource, software application, source code

Defining Citation: [PMID:33264284](#)

Keywords: multiple sequence, alignment trimming, accurate phylogenomic inference,

Funding: Howard Hughes Medical Institute ;
National Science Foundation ;
Guggenheim Foundation ;
Burroughs Wellcome Fund ;
NIAID 1R56AI146096;
Zhejiang University ;
Fundamental Research Funds for the Central Universities

Availability: Free, Available for download, Freely available

Resource Name: ClipKIT

Resource ID: SCR_026411

License: MIT license

Record Creation Time: 20250212T060343+0000

Record Last Update: 20260804T043856+0000

Ratings and Alerts

No rating or validation information has been found for ClipKIT.

No alerts have been found for ClipKIT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Tesson F, et al. (2025) Exploring the diversity of anti-defense systems across prokaryotes, phages and mobile genetic elements. *Nucleic acids research*, 53(1).

Du H, et al. (2025) Microcompartments in archaeal ancestors of eukaryotes: a bioenergetic engine that could have fuelled eukaryogenesis. *bioRxiv : the preprint server for biology*.

Sugihara Y, et al. (2025) Helper NLR immune protein NRC3 evolved to evade inhibition by a cyst nematode virulence effector. *PLoS genetics*, 21(4), e1011653.

Nebenf??hr M, et al. (2025) Mediterranean monk seal (*Monachus monachus*) and leopard seal (*Hydrurga leptonyx*) de novo genomes to study the demographic history and genetic diversity of southern seals. *BMC biology*, 23(1), 102.

Zhao T, et al. (2025) Evolutionary history and divergence times of Tettigoniidae (Orthoptera) inferred from mitochondrial phylogenomics. *Frontiers in genetics*, 16, 1495754.

Vericel T, et al. (2025) Life Cycle Simplifications in Aphids Drive Changes in Evolutionary Rates and Selection Regimes. *Molecular biology and evolution*, 42(12).

Barrera Grijalba CC, et al. (2025) Molluscan Shells, Spicules, and Gladii Are Evolutionarily Deeply Conserved. *Journal of experimental zoology. Part B, Molecular and developmental evolution*, 344(4), 198.

Acosta DJ, et al. (2025) Plastic degradation by enzymes from uncultured deep sea microorganisms. *The ISME journal*, 19(1).

Cantu Morin LM, et al. (2025) The accessory protein CvnF8 modulates histidine kinase activity in an Actinobacterial G protein system in *Streptomyces coelicolor*. *bioRxiv : the preprint server for biology*.

Abou-Kandil A, et al. (2025) The proteomic response of *Aspergillus fumigatus* to amphotericin B (AmB) reveals the involvement of the RTA-like protein RtaA in AmB resistance. *microLife*, 6, uqae024.

Kato K, et al. (2025) Structure of a photosystem I supercomplex from *Galdieria sulphuraria* close to an ancestral red alga. *Science advances*, 11(20), eadv7488.

Zhao T, et al. (2025) Mitonuclear Discordance of Beetles Shaped by Incomplete Lineage Sorting and Introgression Under Loose Interaction Mechanism. *Molecular biology and evolution*, 42(11).

Zhao TY, et al. (2025) Positive Selection Drives Mitochondrial Gene Rearrangement in Sternorrhyncha (Insecta: Hemiptera). *Ecology and evolution*, 15(7), e71789.

Kato K, et al. (2024) The structure of PSI-LHCI from *Cyanidium caldarium* provides evolutionary insights into conservation and diversity of red-lineage LHCs. *Proceedings of the National Academy of Sciences of the United States of America*, 121(11), e2319658121.

Morimoto Y, et al. (2024) A nitrogenase-like enzyme is involved in the novel anaerobic assimilation pathway of a sulfonate, isethionate, in the photosynthetic bacterium *Rhodobacter capsulatus*. *mSphere*, 9(9), e0049824.

Kumazawa M, et al. (2024) Unraveling the evolutionary trajectory of LHCI in red-lineage algae: Conservation, diversification, and neolocalization. *iScience*, 27(10), 110897.

Chander AM, et al. (2024) Genomic and morphological characterization of *Knufia obscura* isolated from the Mars 2020 spacecraft assembly facility. *Scientific reports*, 14(1), 12249.

Kato K, et al. (2024) Structural basis for molecular assembly of fucoxanthin chlorophyll *a/c*-binding proteins in a diatom photosystem I supercomplex. *eLife*, 13.

Kogay R, et al. (2024) Defense systems and horizontal gene transfer in bacteria. *bioRxiv* : the preprint server for biology.

Selvaraj M, et al. (2024) Activation of plant immunity through conversion of a helper NLR homodimer into a resistosome. *PLoS biology*, 22(10), e3002868.