

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 29, 2026

Reptile

RRID:SCR_013075

Type: Tool

Proper Citation

Reptile (RRID:SCR_013075)

Resource Information

URL: <http://aluru-sun.ece.iastate.edu/doku.php?id=reptile>

Proper Citation: Reptile (RRID:SCR_013075)

Description: A software developed in C++ for correcting sequencing errors in short reads from next-gen sequencing platforms.

Abbreviations: Reptile

Resource Type: software resource

Defining Citation: [PMID:20834037](#)

Keywords: bio.tools

Resource Name: Reptile

Resource ID: SCR_013075

Alternate IDs: biotools:reptile, OMICS_01109

Alternate URLs: <https://bio.tools/reptile>

Record Creation Time: 20220129T080314+0000

Record Last Update: 20260725T190747+0000

Ratings and Alerts

No rating or validation information has been found for Reptile.

No alerts have been found for Reptile.

Data and Source Information

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Zhang WH, et al. (2025) Application of IRSA-BP neural network in diagnosing diabetes. PloS one, 20(6), e0324759.

Wang J, et al. (2025) CheloniansTraits: a comprehensive trait database of global turtles and tortoises. Scientific data, 12(1), 840.

Abualigah L, et al. (2025) Optimized image segmentation using an improved reptile search algorithm with Gbest operator for multi-level thresholding. Scientific reports, 15(1), 12713.

Bansal J, et al. (2025) EEG-Based ADHD Classification Using Autoencoder Feature Extraction and ResNet with Double Augmented Attention Mechanism. Brain sciences, 15(1).

Bahmani MJ, et al. (2025) Development of a new hybrid model to enhance streamflow estimation using artificial neural network and reptile search algorithm. Scientific reports, 15(1), 6098.

Hornby JM, et al. (2025) Demography, commonly recorded disorders and mortality in chelonia under UK primary veterinary care: A VetCompass study. PloS one, 20(4), e0321038.

Paphitis K, et al. (2024) Salmonella Vitkin Outbreak Associated with Bearded Dragons, Canada and United States, 2020-2022. Emerging infectious diseases, 30(2), 225.

Oskyrko O, et al. (2024) ReptTraits: a comprehensive dataset of ecological traits in reptiles. Scientific data, 11(1), 243.

Pan X, et al. (2024) The optimization path of agricultural industry structure and intelligent transformation by deep learning. Scientific reports, 14(1), 29548.

Deng T, et al. (2024) Data modeling analysis of GFRP tubular filled concrete column based on small sample deep meta learning method. PloS one, 19(7), e0305038.

Wen G, et al. (2024) MMOSurv: meta-learning for few-shot survival analysis with multi-omics data. Bioinformatics (Oxford, England), 41(1).

Baum ZMC, et al. (2023) Meta-Learning Initializations for Interactive Medical Image Registration. IEEE transactions on medical imaging, 42(3), 823.

Yang J, et al. (2022) A survey of few-shot learning in smart agriculture: developments, applications, and challenges. Plant methods, 18(1), 28.

Goldenberg J, et al. (2021) Substrate thermal properties influence ventral brightness evolution in ectotherms. *Communications biology*, 4(1), 26.

Williams RJ, et al. (2021) Climate and habitat configuration limit range expansion and patterns of dispersal in a non-native lizard. *Ecology and evolution*, 11(7), 3332.

Yao Z, et al. (2021) A transcriptomic and epigenomic cell atlas of the mouse primary motor cortex. *Nature*, 598(7879), 103.

Barrett R, et al. (2021) Investigating Active Learning and Meta-Learning for Iterative Peptide Design. *Journal of chemical information and modeling*, 61(1), 95.

Liu H, et al. (2021) DNA methylation atlas of the mouse brain at single-cell resolution. *Nature*, 598(7879), 120.

Marshall BM, et al. (2020) Thousands of reptile species threatened by under-regulated global trade. *Nature communications*, 11(1), 4738.

Sethi A, et al. (2020) Supervised enhancer prediction with epigenetic pattern recognition and targeted validation. *Nature methods*, 17(8), 807.