

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 3, 2026

ASTRAL-Pro

RRID:SCR_024520

Type: Tool

Proper Citation

ASTRAL-Pro (RRID:SCR_024520)

Resource Information

URL: <https://github.com/chaoszhang/A-pro>

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Description: Software tool for species tree reconstruction from multi-copy gene family trees. Used for estimating unrooted species tree given set of unrooted gene trees and is statistically consistent under the multi-species coalescent model. ASTRAL-pro extends ASTRAL to allow multi-copy genes. ASTRAL-Pro 2, ultrafast and memory efficient version of ASTRAL-Pro that adopts placement based optimization algorithm for significantly better scalability without sacrificing accuracy.

Synonyms: ASTRAL for PaRalogS and Orthologs, ASTRAL-Pro 2

Resource Type: simulation software, software resource, software application

Defining Citation: [PMID:32886770](#)

Keywords: species tree reconstruction, reconstruction from multi-copy gene family trees

Availability: Free, Available for download, Freely available

Resource Name: ASTRAL-Pro

Resource ID: SCR_024520

Record Creation Time: 20231002T161337+0000

Record Last Update: 20260803T040905+0000

Ratings and Alerts

No rating or validation information has been found for ASTRAL-Pro.

No alerts have been found for ASTRAL-Pro.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Mu W, et al. (2025) The haplotype-resolved T2T genome for Bauhinia ?? blakeana sheds light on the genetic basis of flower heterosis. GigaScience, 14.

Raza M, et al. (2023) Resolving the phylogeny of Thladiantha (Cucurbitaceae) with three different target capture pipelines. BMC ecology and evolution, 23(1), 75.

Morel B, et al. (2022) SpeciesRax: A Tool for Maximum Likelihood Species Tree Inference from Gene Family Trees under Duplication, Transfer, and Loss. Molecular biology and evolution, 39(2).