

Resource Summary Report

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tRNAscan-SE

RRID:SCR_008637

Type: Tool

Proper Citation

tRNAscan-SE (RRID:SCR_008637)

Resource Information

URL: <http://lowelab.ucsc.edu/tRNAscan-SE>

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Description: Web server to search for tRNA genes in genomic sequence. If you would like to run tRNAscan-SE locally, you can get the UNIX source code (gzip'd tar file).

Synonyms: Lowe Lab tRNAscan-SE

Resource Type: data analysis service, web application, service resource, production service resource, software resource, analysis service resource

Defining Citation: [PMID:15980563](#), [PMID:9023104](#), [DOI:10.1093/nar/25.5.0955](#)

Keywords: bio.tools, tRNA genes, genomic sequence

Availability: Free, Freely available

Resource Name: tRNAscan-SE

Resource ID: SCR_008637

Alternate IDs: SCR_010835, OMICS_00385, nif-0000-32031, biotools:trnascan-se

Alternate URLs: <https://bio.tools/trnascan-se>, <https://sources.debian.org/src/trnascan-se/>

Record Creation Time: 20220129T080248+0000

Record Last Update: 20260801T190349+0000

Ratings and Alerts

No rating or validation information has been found for tRNAscan-SE.

No alerts have been found for tRNAscan-SE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2493 mentions in open access literature.

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

Kimbrel JA, et al. (2026) High-quality *Acinetobacter* genomes recovered from combat wounds via metagenomic sequencing resemble cultured isolate genomes. *Microbiology spectrum*, 14(1), e0187625.

Naktang C, et al. (2025) Chromosome-level assemblies of two hexaploid bamboos, *Thyrsostachys oliveri* and *Thyrsostachys siamensis*, provide a foundation for functional and comparative genomics studies. *GigaScience*, 14.

Ren L, et al. (2025) Genomes reveal pervasive distant hybridization in nature among cyprinid fishes. *GigaScience*, 14.

Wang G, et al. (2025) Genomic evidence for hybridization and introgression between blue peafowl and endangered green peafowl and molecular foundation of leucistic plumage of blue peafowl. *GigaScience*, 14.

Guo Q, et al. (2025) A near-complete genome assembly of the bearded dragon *Pogona vitticeps* provides insights into the origin of *Pogona* sex chromosomes. *GigaScience*, 14.

Pan S, et al. (2025) A holistic genome dataset of bacteria and archaea of mangrove sediments. *GigaScience*, 14.

Liu H, et al. (2025) A telomere-to-telomere gapless genome reveals *SIPRR1* control of circadian rhythm and photoperiodic flowering in tomato. *GigaScience*, 14.

Qin H, et al. (2025) The complete genome assembly of *Astragalus membranaceus*: enabling more accurate genetic research. *GigaScience*, 14.

Lan T, et al. (2025) Enhancing inbreeding estimation and global conservation insights through chromosome-level assemblies of the Chinese and Malayan pangolin. *GigaScience*, 14.

Jiang D, et al. (2025) The telomere-to-telomere genome of flowering cherry (*Prunus campanulata*) reveals genomic evolution of the subgenus *Cerasus*. *GigaScience*, 14.

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

Liu F, et al. (2025) The telomere-to-telomere gapless genome of grass carp provides insights for genetic improvement. *GigaScience*, 14.

Allen CCG, et al. (2025) Massive Gene Loss in the Fungus *Sporothrix epigloea* Accompanied a Shift to Life in a Glucuronoxylomannan-based Gel Matrix. *Genome biology and evolution*, 17(2).

Chen C, et al. (2025) Comparative analysis of the mitochondrial genomes of the soft-shelled turtles *Palea steindachneri* and *Pelodiscus axenaria* and phylogenetic implications for Trionychia. *Scientific reports*, 15(1), 7138.

Feng C, et al. (2025) The high efficiency protective effectiveness of a newly isolated myoviruses bacteriophage vB_AceP_PAc in protecting mice from *Aeromonas caviae* infection in mice. *BMC microbiology*, 25(1), 112.

Li R, et al. (2025) Chromosome-Level Genome Assembly of the Heptageniid Mayfly *Parafronurus youi* (Ephemeroptera), and Its Annotation. *Genome biology and evolution*, 17(3).

Guan DL, et al. (2025) A high-quality chromosome-level genome assembly of the mulberry looper, *Phthonandria atrilineata*. *Scientific data*, 12(1), 186.

Chen Y, et al. (2025) An improved chromosome-level genome assembly and annotation of Hong Kong catfish (*Clarias fuscus*). *Scientific data*, 12(1), 193.

Muema EK, et al. (2025) *Mesorhizobium salmacidum* sp. nov. and *Mesorhizobium argentiipisi* sp. nov. are symbionts of the dry-land forage legumes *Lessertia diffusa* and *Calobota sericea*. *Antonie van Leeuwenhoek*, 118(3), 54.

Yang G, et al. (2025) Chromosome-level genome assembly of *Megachile sculpturalis* Smith (Hymenoptera, Apoidea, Megachilidae). *Scientific data*, 12(1), 46.