

Resource Summary Report

Generated by [kravitz2](#) on Sep 4, 2026

Prodigal

RRID:SCR_021246

Type: Tool

Proper Citation

Prodigal (RRID:SCR_021246)

Resource Information

URL: <https://github.com/hyattpd/Prodigal>

Proper Citation: Prodigal (RRID:SCR_021246)

Description: Software tool for protein coding gene prediction for prokaryotic genomes.

Resource Type: software application, simulation software, software resource

Keywords: Protein coding gene prediction, prokaryotic genomes, protein coding, gene prediction

Availability: Free, Available for download, Freely available

Resource Name: Prodigal

Resource ID: SCR_021246

License: GNU General Public License v3.0

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260903T235834+0000

Ratings and Alerts

No rating or validation information has been found for Prodigal.

No alerts have been found for Prodigal.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 129 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Shen H, et al. (2026) Dietary niches drive microbial community assembly, network reorganization, and symbiont evolution in freshwater fish gut microbiomes. *The ISME journal*, 20(1).

Huang Y, et al. (2026) Phage succession and putative mechanisms of microbial community regulation in Sichuan radish paocai (traditional Chinese fermented vegetable). *Food chemistry: X*, 36, 103997.

Xiang L, et al. (2026) Metagenomic insights into the rhizosphere microbiome dysbiosis associated with tobacco bacterial wilt. *Frontiers in microbiology*, 17, 1809980.

Tu Y, et al. (2026) Supragingival *Actinomyces naeslundii* aggravates metabolic dysfunction-associated fatty liver disease via the oral-gut axis. *Journal of oral microbiology*, 18(1), 2639208.

Song D, et al. (2026) Linking geographic flavor signatures to microbial origin in high-temperature Daqu: An integrated metaproteomics and metabolomics approach. *Food chemistry: X*, 36, 103952.

Ma L, et al. (2026) Ecological Reassembly of the Milk Microbiome and Its Associated Resistome During the Dry Period in Dairy Cows. *Veterinary sciences*, 13(6).

Cheng L, et al. (2026) Root-Zone Nitrogen Fertilization Increases Oilseed Rape Yield: Reprogramming Rhizosphere N-Cycling and Strengthening Soil-Plant Coupling. *Plants (Basel, Switzerland)*, 15(8).

Li S, et al. (2026) Near-complete inhibition of rumen methanogenesis via microbial and enzymatic modulation using a low dose of *Asparagopsis taxiformis* combined with 3-nitrooxypropanol. *Journal of animal science and biotechnology*, 17(1).

Lu Z, et al. (2026) Tick-vectored mobilization of antibiotic resistance genes: transboundary dissemination across wildlife-livestock-vector-environment interfaces. *NPJ biofilms and microbiomes*, 12(1).

Meng T, et al. (2026) Mechanistic insights into nitrogen fertilizer regulation of carbon-nitrogen cycling and greenhouse gas emissions: a metagenomics-based investigation. *Frontiers in microbiology*, 17, 1808047.

Zhang J, et al. (2026) Gut microbiota dysbiosis drives depression-like behavior in adolescent rats via lysine-regulated mTOR autophagy pathway. *Translational psychiatry*, 16(1).

Li L, et al. (2026) Metagenomic sequencing reveals structural and functional differentiation of rhizosphere bacterial communities driven by nitrogen and potassium deficiency associated with root rot of *Schisandra chinensis*. *Frontiers in microbiology*, 17, 1827096.

Zhuang Y, et al. (2026) Early life nutritional imbalance impairs colonic epithelial regeneration through gut microbiota dysbiosis and metabolic suppression. *The ISME journal*, 20(1).

Ning T, et al. (2025) Effect of different bulking agents on the quality, microbial community structure and metabolic functions during human feces composting in foam composting device. *Frontiers in microbiology*, 16, 1556537.

Ding X, et al. (2025) Whole-Genome Analysis of a Novel Multidrug-Resistant *Escherichia coli* Strain from Dairy Calves in Northeast China: Mechanisms of Antibiotic Resistance and Biofilm Formation. *Biology*, 14(9).

Liu Y, et al. (2025) Symbiotic bacteria associated with different species of *Curculio* (Coleoptera: Curculionidae) and their host plants. *Frontiers in microbiology*, 16, 1531847.

Zeng Y, et al. (2025) Gut microbiota-derived indole-3-propionic acid alleviates diabetic kidney disease through its mitochondrial protective effect via reducing ubiquitination mediated-degradation of SIRT1. *Journal of advanced research*, 73, 607.

Ai P, et al. (2025) Targeted Gut Microbiota Modulation Enhances Levodopa Bioavailability and Motor Recovery in MPTP Parkinson's Disease Models. *International journal of molecular sciences*, 26(11).

Zhang R, et al. (2025) Impact of *Enterococcus faecium* Kimate-X on Reducing Stress in Dogs Through Gut Microbiota Modulation. *Veterinary sciences*, 12(5).

Li H, et al. (2025) Effects of Long-Term Heavy Metal Exposure on Oral Microbial Antibiotic Resistance Genes of Residents in the Mining and Smelting Area. *Microorganisms*, 13(12).