Resource Summary Report

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ProtHint

RRID:SCR_021167
Type: Tool

Proper Citation

ProtHint (RRID:SCR_021167)

Resource Information

URL: https://github.com/gatech-genemark/ProtHint

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Description: Software pipeline for predicting and scoring hints (in form of introns, start and stop codons) in genome of interest by mapping and spliced aligning predicted genes to database of reference protein sequences.

Resource Type: software toolkit, software resource

Keywords: Predicting and scoring hints, form of introns, start and stop codons, genome, mapping, spliced aligning, predicted genes, database, reference protein sequences

Funding:

Availability: Free, Available for download, Freely available

Resource Name: ProtHint

Resource ID: SCR_021167

License URLs: https://github.com/gatech-genemark/ProtHint/blob/master/LICENSE

Record Creation Time: 20220129T080354+0000

Record Last Update: 20250412T060318+0000

Ratings and Alerts

No rating or validation information has been found for ProtHint.

No alerts have been found for ProtHint.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 37 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Laczkó L, et al. (2025) An updated reference genome of Barbatula barbatula (Linnaeus, 1758). Scientific data, 12(1), 137.

Markee A, et al. (2024) De Novo Long-Read Genome Assembly and Annotation of the Luna Moth (Actias luna) Fully Resolves Repeat-Rich Silk Genes. Genome biology and evolution, 16(7).

Weng YM, et al. (2024) Evolutionary genomics of three agricultural pest moths reveals rapid evolution of host adaptation and immune-related genes. GigaScience, 13.

Yu N, et al. (2024) Chromosome-level genome of spider Pardosa pseudoannulata and cuticle protein genes in environmental stresses. Scientific data, 11(1), 121.

Gao Y, et al. (2024) Chromosome-level genome assembly of Ajuga decumbens. Frontiers in plant science, 15, 1413468.

Nagy NA, et al. (2024) The updated genome of the Hungarian population of Aedes koreicus. Scientific reports, 14(1), 7545.

Lee SJ, et al. (2024) Chromosome-level genome assembly and annotation of the Patagonian toothfish Dissostichus eleginoides. Scientific data, 11(1), 1240.

Russo A, et al. (2024) Genome of the early spider-orchid Ophrys sphegodes provides insights into sexual deception and pollinator adaptation. Nature communications, 15(1), 6308.

Yang M, et al. (2024) Adaptation of Fusarium Head Blight Pathogens to Changes in Agricultural Practices and Human Migration. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(36), e2401899.

Cho M, et al. (2024) An Antarctic lichen isolate (Cladonia borealis) genome reveals potential adaptation to extreme environments. Scientific reports, 14(1), 1342.

Sylvester T, et al. (2024) A reference quality genome assembly for the jewel scarab Chrysina gloriosa. G3 (Bethesda, Md.), 14(6).

Schultz DT, et al. (2024) Acceleration of genome rearrangement in clitellate annelids. bioRxiv : the preprint server for biology.

Ko SR, et al. (2024) High-quality chromosome-level genome assembly of Nicotiana benthamiana. Scientific data, 11(1), 386.

Frail S, et al. (2024) Genomes of nitrogen-fixing eukaryotes reveal a non-canonical model of organellogenesis. bioRxiv : the preprint server for biology.

Weng YM, et al. (2024) A near chromosome-level genome assembly of a ghost moth (Lepidoptera, Hepialidae). Scientific data, 11(1), 1139.

Jo E, et al. (2024) High-quality chromosome-level genome assembly of female Artemia franciscana reveals sex chromosome and Hox gene organization. Heliyon, 10(19), e38687.

Ferguson S, et al. (2024) Exploring the role of polymorphic interspecies structural variants in reproductive isolation and adaptive divergence in Eucalyptus. GigaScience, 13.

Yang T, et al. (2023) Chromosome-level genome assembly of Murraya paniculata sheds light on biosynthesis of floral volatiles. BMC biology, 21(1), 142.

Pope NS, et al. (2023) The expansion of agriculture has shaped the recent evolutionary history of a specialized squash pollinator. Proceedings of the National Academy of Sciences of the United States of America, 120(15), e2208116120.

Jo E, et al. (2023) Chromosome-level genome assembly and annotation of the Antarctica whitefin plunderfish Pogonophryne albipinna. Scientific data, 10(1), 891.