

Resource Summary Report

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Nonribosomal Peptides

RRID:SCR_007823

Type: Tool

Proper Citation

Nonribosomal Peptides (RRID:SCR_007823)

Resource Information

URL: <http://bioinfo.lifl.fr/norine/>

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Description: A platform that includes a database of nonribosomal peptides together with tools for their analysis. Norine currently contains more than 1000 peptides. The name Norine stands for Nonribosomal peptides, with "ine" as a typical ending of peptide names. For each peptide, the database stores its structure as well as various annotations such as the biological activity, producing organisms, bibliographical references and others. The database can be queried in order to search for peptides through their annotations as well as through their monomeric structure. In the latter case, the user can specify either the whole structure or a structural pattern (possibly including "undefined monomers") of the searched peptide.

Synonyms: NORINE

Resource Type: database, data or information resource

Resource Name: Nonribosomal Peptides

Resource ID: SCR_007823

Alternate IDs: nif-0000-03197

Record Creation Time: 20220129T080243+0000

Record Last Update: 20260808T190417+0000

Ratings and Alerts

No rating or validation information has been found for Nonribosomal Peptides.

No alerts have been found for Nonribosomal Peptides.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Galván TE, et al. (2026) Functional characterization of *Pseudomonas soli* VMAP1 as a biocontrol agent against *Xanthomonas vesicatoria* in tomato plants. *Scientific reports*, 16(1).

Y?lmaz S, et al. (2025) Genome mining of *Bacillus thuringiensis* strain SY49.1 reveals novel candidate pesticidal and bioactive compounds. *Pest management science*, 81(1), 298.

Piotr D, et al. (2025) Genomic and functional characterization of a lipopeptide-producing endophytic *Bacillus velezensis* EL isolated from *Euphorbia cyparissias* L. *Microbial cell factories*, 24(1), 250.

Radjasa OK, et al. (2024) From the depths of the Java Trench: genomic analysis of *Priestia flexa* JT4 reveals bioprospecting and lycopene production potential. *BMC genomics*, 25(1), 1259.

Radjasa OK, et al. (2023) Biosynthetic gene cluster profiling from North Java Sea *Virgibacillus salarius* reveals hidden potential metabolites. *Scientific reports*, 13(1), 19273.

Li L, et al. (2022) Identification of structurally diverse menaquinone-binding antibiotics with in vivo activity against multidrug-resistant pathogens. *Nature microbiology*, 7(1), 120.

Wang X, et al. (2021) A novel NRPS cluster, acquired by horizontal gene transfer from algae, regulates siderophore iron metabolism in *Burkholderia seminalis* R456. *International journal of biological macromolecules*, 182, 838.

Lao J, et al. (2020) Abundance, Diversity and Role of ICEs and IMEs in the Adaptation of *Streptococcus salivarius* to the Environment. *Genes*, 11(9).

Nelkner J, et al. (2019) Genetic Potential of the Biocontrol Agent *Pseudomonas brassicacearum* (Formerly *P. trivialis*) 3Re2-7 Unraveled by Genome Sequencing and Mining, *Comparative Genomics and Transcriptomics*. *Genes*, 10(8).

Omoboye OO, et al. (2019) *Pseudomonas* sp. COW3 Produces New Bananamide-Type Cyclic Lipopeptides with Antimicrobial Activity against *Pythium myriotylum* and *Pyricularia oryzae*. *Molecules* (Basel, Switzerland), 24(22).

Caulier S, et al. (2019) Overview of the Antimicrobial Compounds Produced by Members of the *Bacillus subtilis* Group. *Frontiers in microbiology*, 10, 302.

Bletz MC, et al. (2019) Amphibian skin-associated Pigmentiphaga: Genome sequence and occurrence across geography and hosts. PloS one, 14(10), e0223747.

Schlüsselhuber M, et al. (2018) Characterization of Milkisin, a Novel Lipopeptide With Antimicrobial Properties Produced By Pseudomonas sp. UCMA 17988 Isolated From Bovine Raw Milk. Frontiers in microbiology, 9, 1030.

Weber T, et al. (2016) The secondary metabolite bioinformatics portal: Computational tools to facilitate synthetic biology of secondary metabolite production. Synthetic and systems biotechnology, 1(2), 69.

Crits-Christoph A, et al. (2016) Phylogenetic and Functional Substrate Specificity for Endolithic Microbial Communities in Hyper-Arid Environments. Frontiers in microbiology, 7, 301.

Amoutzias GD, et al. (2016) Discovery Strategies of Bioactive Compounds Synthesized by Nonribosomal Peptide Synthetases and Type-I Polyketide Synthases Derived from Marine Microbiomes. Marine drugs, 14(4).

Flissi A, et al. (2016) Norine, the knowledgebase dedicated to non-ribosomal peptides, is now open to crowdsourcing. Nucleic acids research, 44(D1), D1113.

Abdo A, et al. (2012) A new fingerprint to predict nonribosomal peptides activity. Journal of computer-aided molecular design, 26(10), 1187.