

Resource Summary Report

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GenBank

RRID:SCR_002760

Type: Tool

Proper Citation

GenBank (RRID:SCR_002760)

Resource Information

URL: <http://www.ncbi.nlm.nih.gov/Genbank/>

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Description: NIH genetic sequence database that provides annotated collection of all publicly available DNA sequences for almost 280 000 formally described species (Jan 2014) .These sequences are obtained primarily through submissions from individual laboratories and batch submissions from large-scale sequencing projects, including whole-genome shotgun (WGS) and environmental sampling projects. Most submissions are made using web-based BankIt or standalone Sequin programs, and GenBank staff assigns accession numbers upon data receipt. It is part of International Nucleotide Sequence Database Collaboration and daily data exchange with European Nucleotide Archive (ENA) and DNA Data Bank of Japan (DDBJ) ensures worldwide coverage. GenBank is accessible through NCBI Entrez retrieval system, which integrates data from major DNA and protein sequence databases along with taxonomy, genome, mapping, protein structure and domain information, and biomedical journal literature via PubMed. BLAST provides sequence similarity searches of GenBank and other sequence databases. Complete bimonthly releases and daily updates of GenBank database are available by FTP.

Abbreviations: GB

Synonyms: , Gen Bank, GenBank

Resource Type: data or information resource, database, service resource, storage service resource, data repository

Defining Citation: [PMID:24217914](#), [PMID:23193287](#), [PMID:21071399](#)

Keywords: genetic sequence, dna sequence, human genetics, human genome, nucleotide sequence, nucleotide, dna, dna data bank, gene mapping, genetics, gold standard

Funding: NLM

Availability: Free, Freely available

Resource Name: GenBank

Resource ID: SCR_002760

Alternate IDs: nif-0000-02873, r3d100010528, OMICS_01650

Alternate URLs: <https://doi.org/10.17616/R3D31X>

Record Creation Time: 20220129T080215+0000

Record Last Update: 20260808T185754+0000

Ratings and Alerts

No rating or validation information has been found for GenBank.

No alerts have been found for GenBank.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 64417 mentions in open access literature.

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

Campbell AS, et al. (2026) Molecular insights into electroreceptor ribbon synapses from differential gene expression in sturgeon lateral line organs. *Journal of anatomy*, 248(5), 784.

Nail AN, et al. (2026) Deficient arsenic methylation and global proteomic reprogramming in human keratinocytes during arsenic-induced skin carcinogenesis. *Archives of toxicology*.

Dombaxe CP, et al. (2026) Proteomic Signatures of Regeneration: Uncovering Extracellular Matrix-Associated Cues in Goldfish Spinal Cord Repair. *The Journal of comparative neurology*, 534(5), e70170.

Sánchez-Mora P, et al. (2026) Detection and genetic characterization of Crimean-Congo hemorrhagic fever virus in ticks from western Spain (2017, 2020-2024). *Frontiers in veterinary science*, 13, 1789622.

Risueño J, et al. (2026) Revisiting the largest human leishmaniasis outbreak in Western Europe (Madrid, Spain): a follow-up entomological study in 2023 and 2024. *Parasites & vectors*, 19(1).

Ghodrati S, et al. (2026) Tick-borne pathogens in *Ixodes ricinus* (Acari: Ixodidae) and *Ixodes inopinatus* × *I. ricinus* hybrids in Central Europe: no link to bird diversity or abundance. *Journal of medical entomology*, 63(2).

Meza-Padilla I, et al. (2026) A jumbo cyanophage encodes the most comprehensive ribosomal protein set in the known virosphere. *The ISME journal*, 20(1).

Mbougou CLD, et al. (2026) Beyond Rotavirus: Persistence of Norovirus, Adenovirus, and Astrovirus in Paediatric Gastroenteritis in the Republic of Congo After Vaccine Introduction. *Journal of medical virology*, 98(4), e70896.

Kavagutti VS, et al. (2026) Defensomes, counter-defensomes, and the remodeling of microbial communities. *PNAS nexus*, 5(4), pgag073.

Christenhusz MJM, et al. (2026) The genome sequence of the starved wood-sedge, *Carex depauperata* Curtis ex Woodw. (Poales: Cyperaceae). *Wellcome open research*, 11, 165.

Mia MM, et al. (2026) Synergy between upregulated small GTPase immunity-associated proteins and lysosomal ATP6V1D in restricting intracellular *Toxoplasma* growth. *Microbiology spectrum*, 14(5), e0394725.

Di Francesco A, et al. (2026) Antimicrobial resistance in wildlife: detection of β -lactam/carbapenem resistance genes in European hedgehogs (*Erinaceus europaeus*, Linnaeus 1758) in Italy. *Veterinary research communications*, 50(4).

Stanek J, et al. (2026) Role of AtCPK5 and AtCPK6 in the regulation of the plant immune response triggered by rhamnolipids in *Arabidopsis*. *PloS one*, 21(4), e0346370.

Wu S, et al. (2026) Molnupiravir is effective against hepatitis E virus infection in an animal model. *Hepatology communications*, 10(5).

Li D, et al. (2026) DNA barcodes analyses provide insights into species delineation and possible cryptic species in *Amentotaxus* (Taxaceae). *BMC plant biology*, 26(1).

Wu J, et al. (2026) Pathogenicity of a Canine-Derived Feline Panleukopenia Virus in Cats and NS1 Evolution Associated with Adaptation to Dogs. *Animals : an open access journal from MDPI*, 16(7).

Kaduwal S, et al. (2026) A conjugal gene drive-like system efficiently suppresses antibiotic resistance in a bacterial population. *npj antimicrobials and resistance*, 4(1), 8.

Awad MA, et al. (2026) Metabolite profiling of *Bacillus velezensis* DM extract linked to the rhizosphere of *Datura metel* L. and dermatoprotective potential of an isolated glycolipid. *Microbial cell factories*, 25(1), 42.

Zerek A, et al. (2026) Detection of *Anaplasma phagocytophilum* and *Babesia* *aktasi* in a wild bezoar goat (*Capra aegagrus*): Overlap with domestic goat strains. *Medical and veterinary entomology*, 40(1), 190.

Tomé LMR, et al. (2026) Emergence of *Candida* (*Candidozyma*) *auris* in Minas Gerais, Brazil: Genomic Surveillance to Guide Rapid Public Health Responses. *Mycoses*, 69(2), e70146.