Resource Summary Report

Generated by PRECISE-TBI on Aug 2, 2026

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, data repository, storage service resource, database, service resource

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: 20260801T190216+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 61478 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Chen K, et al. (2026) Liquid???liquid phase separation of PHLDB2 promotes oral squamous cell carcinoma metastasis through regulating epithelial mesenchymal transition and PIK3CA expression. Molecular medicine reports, 33(1).

Viruel J, et al. (2026) Phylogenomic Barcoding of Soil Seed Bank-Persistent and Wind-Dispersed Non-Native Plant Species in South Georgia. Molecular ecology resources, 26(1), e70068.

Gwee CY, et al. (2026) Performance of Two Custom Probe Kits for In-Solution Enrichment of Ancient Avian DNA. Molecular ecology resources, 26(1), e70071.

Pourmahdi Borujeni M, et al. (2026) First Detection and Phylogenetic Analysis of Equine Hepacivirus (EqHV) in Iran. Veterinary medicine and science, 12(1), e70737.

Kim H, et al. (2026) Neuronal mitochondrial disaggregase CLPB ameliorates Huntington's disease pathology in mice. Theranostics, 16(5), 2388.

Barel M, et al. (2026) Colistin and Biofilm-Related Genes of Positive Escherichia coli O157:H7 in Cattle (Bos taurus) Carcasses Antibiotic Resistance Profiles, Biofilm and

Molecular Characterisation of Isolates. Veterinary medicine and science, 12(1), e70730.

Srinivasan P, et al. (2026) Preclinical evaluation of long-acting cabotegravir and rilpivirine for HIV post-exposure prophylaxis in a macaque model. EBioMedicine, 123, 106067.

Schnelle A, et al. (2026) Using Historic and Contemporary Genomes to Assess the Genetic Consequences of a Population Decline in an Endangered Tern Population. Evolutionary applications, 19(1), e70192.

Mongkolphan C, et al. (2026) Molecular characterization of tick-borne piroplasms in captive megaherbivores in Thailand. Parasitology research, 125(1), 2.

Sun Z, et al. (2026) Microsporidia keratoconjunctivitis identified as an emerging zoonotic threat from pet parrots: Clinical and metagenomic next-generation sequencing evidence. Virulence, 17(1), 2605385.

Hu Q, et al. (2026) Rapid nucleic acid detection of Mycoplasma synoviae using dual-mode RAA-CRISPR/Cas12a system. Poultry science, 105(1), 106126.

Larsen BB, et al. (2026) Functional and antigenic constraints on the Nipah virus fusion protein. bioRxiv : the preprint server for biology.

Li K, et al. (2026) Foot-and-mouth disease virus 3D polymerase antagonizes the interferon signaling pathway by blocking STAT2 nuclear translocation. Virus research, 363, 199671.

Namisy A, et al. (2026) Fusarium incarnatum: a paradigm for One Health pathogen dynamics across humans, animals, and the environment. Microbiology spectrum, 14(1), e0191925.

Ma Y, et al. (2026) Developing a recombinase-aided amplification method combined with a lateral flow dipstick assay for rapid triplex detection of bovine coronavirus, infectious bovine rhinotracheitis virus, and bovine viral diarrhea virus. Microbiology spectrum, 14(1), e0162825.

Shichinohe S, et al. (2026) Characterization of H5N1 high pathogenicity avian influenza virus belonging to clade 2.3.4.4b isolated from Ezo red fox in Japan in a mouse model. Microbiology spectrum, 14(1), e0109725.

de Bortoli CP, et al. (2026) Pyramiding of cry genes in high-dose transgenic eucalyptus provides control of Thyrinteina arnobia (Lepidoptera: Geometridae) and reduces the risk of resistance. GM crops & food, 17(1), 2604373.

Chen S, et al. (2026) Human FcRL5 is an Fc receptor that simultaneously engages two IgGs. Science advances, 12(1), eaeb8865.

Zenki KC, et al. (2026) Memantine Confers Multi-Target Protection in a Zebrafish Seizure Model: Attenuating Epileptic Behavior, GluN2A Overexpression, and Oxidative Stress. Journal of neurochemistry, 170(1), e70345.

Li LI, et al. (2026) Augmenter of Liver Regeneration Enhances Hepatocellular Carcinoma Cell Growth Through COX-2-associated Signaling. Cancer genomics & proteomics, 23(1), 109.