

Resource Summary Report

Generated by PRECISE-TBI on Sep 17, 2026

DIAMOND

RRID:SCR_009457

Type: Tool

Proper Citation

DIAMOND (RRID:SCR_009457)

Resource Information

URL: <http://www.nitrc.org/projects/diamond/>

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Description: Software to: view dicom files and assemble them into 3D volumes. View and convert between Analyze, Nifti, and Interfile. Classify and organize dicoms and 3D volumes using metadata. Search and report on a collection of scans.

Abbreviations: DIAMOND

Synonyms: UC Davis IDeA Lab Applications for Management Of Neuroimaging Data

Resource Type: software resource

Keywords: reusable library, analyze, database application, dicom, format conversion, image display, image reconstruction, magnetic resonance, nifti, python, software, visualization, workflow, FASEB list

Resource Name: DIAMOND

Resource ID: SCR_009457

Alternate IDs: nlx_155603

Record Creation Time: 20220129T080253+0000

Record Last Update: 20260912T195712+0000

Ratings and Alerts

No rating or validation information has been found for DIAMOND.

No alerts have been found for DIAMOND.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4156 mentions in open access literature.

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

Liu H, et al. (2026) The genomes of 5 mantises provide insights into sex chromosome evolution and Mantodea phylogeny clarification. *GigaScience*, 15.

Huang W, et al. (2026) Core gastric microbiota linked to pathogenesis and preserved across age-stratified cohorts. *Cell reports. Medicine*, 7(7), 102905.

Zeng L, et al. (2026) Functional genomics reveals key gene families and molecular pathways for extreme cold survival in the khapra beetle. *BMC biology*, 24(1).

Moosavi D, et al. (2025) Stability and Variability of the Human Fecal Microbiome over 2 Years in the Multiethnic Cohort Study: A Metagenomic Analysis. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*, 34(8), 1386.

Yuan J, et al. (2025) A telomere-to-telomere genome assembly of koi carp (*Cyprinus carpio*) using long reads and Hi-C technology. *GigaScience*, 14.

Menozzi E, et al. (2025) Exploring the relationship between GBA1 host genotype and gut microbiome in the GBA1 L444P/WT mouse model: implications for Parkinson's disease pathogenesis. *Frontiers in neuroscience*, 19, 1546203.

Ritter EJ, et al. (2025) The assembly and annotation of two teinturier grapevine varieties, Dakapo and Rubired. *GigaByte (Hong Kong, China)*, 2025, gigabyte149.

Chen XX, et al. (2025) Microbial dysbiosis with tryptophan metabolites alteration in lower respiratory tract is associated with clinical responses to anti-PD-1 immunotherapy in advanced non-small cell lung cancer. *Cancer immunology, immunotherapy : CII*, 74(4), 140.

Oriowo TO, et al. (2025) A chromosome-level, haplotype-resolved genome assembly and annotation for the Eurasian minnow (*Leuciscidae: Phoxinus phoxinus*) provide evidence of haplotype diversity. *GigaScience*, 14.

Chen M, et al. (2025) The genome of *Hippophae salicifolia* provides new insights into the sexual differentiation of sea buckthorn. *GigaScience*, 14.

Qin H, et al. (2025) The complete genome assembly of *Astragalus membranaceus*: enabling more accurate genetic research. *GigaScience*, 14.

Alam Y, et al. (2025) Variation in human gut microbiota impacts tamoxifen pharmacokinetics. *mBio*, 16(1), e0167924.

Zhang Y, et al. (2025) Gut Commensal *Barnesiella Intestinihominis* Ameliorates Hyperglycemia and Liver Metabolic Disorders. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(8), e2411181.

Priest T, et al. (2025) Seasonal recurrence and modular assembly of an Arctic pelagic marine microbiome. *Nature communications*, 16(1), 1326.

Du B, et al. (2025) Gut microbiota and plasma metabolites in pregnant mothers and infant atopic dermatitis: A multi-omics study. *The World Allergy Organization journal*, 18(1), 101017.

Li W, et al. (2025) Gut Microbiome and Metabolome Changes in Chronic Low Back Pain Patients With Vertebral Bone Marrow Lesions. *JOR spine*, 8(1), e70042.

Cerqueira de Araujo A, et al. (2025) Genome sequences of four *Ixodes* species expands understanding of tick evolution. *BMC biology*, 23(1), 17.

Wu X, et al. (2025) A legume-enriched diet improves metabolic health in prediabetes mediated through gut microbiome: a randomized controlled trial. *Nature communications*, 16(1), 942.

Schechter MS, et al. (2025) Ribosomal protein phylogeography offers quantitative insights into the efficacy of genome-resolved surveys of microbial communities. *bioRxiv : the preprint server for biology*.

Lopez AE, et al. (2025) *Legionella pneumophila* IrsA, a novel, iron-regulated exoprotein that facilitates growth in low-iron conditions and modulates biofilm formation. *Microbiology spectrum*, 13(1), e0231324.