

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

DIAMOND

RRID:SCR_009457

Type: Tool

Proper Citation

DIAMOND (RRID:SCR_009457)

Resource Information

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

Proper Citation: DIAMOND (RRID:SCR_009457)

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: 20260725T190655+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 4152 mentions in open access literature.

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

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.

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*.

Zhao B, et al. (2025) Sludge water: a potential pathway for the spread of antibiotic resistance and pathogenic bacteria from hospitals to the environment. *Frontiers in microbiology*, 16, 1492128.

Boukhchtaber DC, et al. (2025) Discovering Hidden Archaeal and Bacterial Lipid Producers in a Euxinic Marine System. *Environmental microbiology*, 27(3), e70054.

Lawrence GW, et al. (2025) A gut-derived *Streptococcus salivarius* produces the novel nisin variant designated nisin G and inhibits *Fusobacterium nucleatum* in a model of the human distal colon microbiome. *mBio*, 16(2), e0157324.

Dai D, et al. (2025) Proteomic and N-glycosylation analysis of fertile egg white during storage and incubation in chickens. *Poultry science*, 104(1), 104526.

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.

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

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.

Wei Y, et al. (2025) Effects of oil pollution on the growth and rhizosphere microbial community of *Calamagrostis epigejos*. *Scientific reports*, 15(1), 1278.

Monjot A, et al. (2025) Metatranscriptomes-based sequence similarity networks uncover genetic signatures within parasitic freshwater microbial eukaryotes. *Microbiome*, 13(1), 43.

Babalola OO, et al. (2025) Dataset of shotgun metagenomic evaluation of *Sorghum bicolor* rhizosphere microbiome in soils preceded by *Glycine max*. *Data in brief*, 58, 111270.

Yang X, et al. (2025) Prominence of Microbiota to Predict Fibrous Stenosis in Crohn's Disease. *Journal of inflammation research*, 18, 1413.

Zhang L, et al. (2025) Phylogeography Analysis Reveals Rabies Epidemiology, Evolution, and Transmission in the Philippines. *Molecular biology and evolution*, 42(2).