

Resource Summary Report

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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: 20260801T190342+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 [NIF](#).

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.

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.

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.

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

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.

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.

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

Koch RE, et al. (2025) Antibiotic resistance genotype, phenotype, and clinical outcomes in patients with Gram-negative infections at Rabin Medical Center in Israel. *Microbiology spectrum*, 13(1), e0038324.

Yi L, et al. (2025) Chromosome-level genome assemblies of sunflower oilseed and confectionery cultivars. *Scientific data*, 12(1), 24.

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

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

Wang GF, et al. (2025) Chromosome-level genome assembly of a destructive leaf-mining moth *Eriocrania semipurpurella alpina*. *Scientific data*, 12(1), 2.

Yin Q, et al. (2025) Ecological dynamics of Enterobacteriaceae in the human gut microbiome across global populations. *Nature microbiology*, 10(2), 541.

Castelli M, et al. (2025) Hepatinotholaceae (Alphaproteobacteria) are Distinct From Holosporales and Independently Evolved to Associate With Ecdysozoa. *Environmental microbiology*, 27(1), e70028.

Keller V, et al. (2025) Genomic features of lichen-associated black fungi. *IUBMB life*, 77(1), e2934.

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.

Magome TG, et al. (2025) Decoding the anomalies: a genome-based analysis of *Bacillus cereus* group strains closely related to *Bacillus anthracis*. *Frontiers in microbiology*, 16, 1527049.