

Resource Summary Report

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PANDAseq

RRID:SCR_002705

Type: Tool

Proper Citation

PANDAseq (RRID:SCR_002705)

Resource Information

URL: <https://github.com/neufeld/pandaseq>

Proper Citation: PANDAseq (RRID:SCR_002705)

Description: Software program to align Illumina reads, optionally with PCR primers embedded in the sequence, and reconstruct an overlapping sequence.

Synonyms: PAired-eND Assembler for DNA sequences

Resource Type: source code, software resource

Defining Citation: [PMID:22333067](#)

Keywords: standalone software, unix/linux, mac os x, windows, c

Availability: Free, Available for download, Freely available

Resource Name: PANDAseq

Resource ID: SCR_002705

Alternate IDs: OMICS_05255

License: GNU General Public License, v3

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260801T191138+0000

Ratings and Alerts

No rating or validation information has been found for PANDAseq.

No alerts have been found for PANDAseq.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 694 mentions in open access literature.

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

Leardini D, et al. (2025) Levofloxacin Prophylaxis in Pediatric and Young Adult Allogeneic Hematopoietic Stem Cell Transplantation Recipients Does not Prevent Infective Complications and Infections-related Deaths. *Open forum infectious diseases*, 12(2), ofae707.

Qin PP, et al. (2025) Programming ADAR-recruiting hairpin RNA sensor to detect endogenous molecules. *Nucleic acids research*, 53(1).

Wang X, et al. (2025) Colorectal cancer in Lynch syndrome families: consequences of gene germline mutations and the gut microbiota. *Orphanet journal of rare diseases*, 20(1), 30.

Colagiero M, et al. (2025) Farming System and Nematodes Affect the Rhizosphere Microbiome of Tropical Banana Plants. *Environmental microbiology reports*, 17(4), e70155.

Hartjes ED, et al. (2025) The impact of progressive chronic kidney disease on hepatic drug metabolism. *Drug metabolism and disposition: the biological fate of chemicals*, 53(6), 100085.

Kanika NH, et al. (2025) Black-spot linked gut microbiota shifts in Oujiang color carp: insights from TYR knockout and metabolomic integration. *Animal microbiome*, 7(1), 102.

Dennison DD, et al. (2025) Ubiquitin chain variability directs substrates of the Tul1 ubiquitin ligase complex to different degradation pathways. *The Journal of cell biology*, 224(9).

Wang Y, et al. (2025) Effects of Dietary Protein Levels on Production Performance, Meat Quality Traits, and Gut Microbiome of Fattening Dezhou Donkeys. *Microorganisms*, 13(6).

Pae J, et al. (2025) Transient silencing of hypermutation preserves B cell affinity during clonal bursting. *Nature*, 641(8062), 486.

Tursi A, et al. (2025) Micro-encapsulated and colonic-release sodium butyrate modulates gut microbiota and improves abdominal pain in patients with symptomatic uncomplicated diverticular disease. *Frontiers in medicine*, 12, 1487892.

Shan W, et al. (2025) Sleep deprivation disrupts diurnal rhythmicity of gut microbiota and blood inflammatory cytokines in mice. *PloS one*, 20(11), e0335754.

Artale S, et al. (2025) The Effects of a Modified Mediterranean Diet on Gut Microbiota and Chemotherapy Side Effects in Patients With Metastatic Colorectal Cancer Undergoing First-Line Chemotherapy With or Without Either Antiepidermal Growth Factor Receptor or Antivascular Endothelial Growth Factor Agent: Protocol for a Randomized Pilot Study in Italy. *JMIR research protocols*, 14, e72950.

Peng T, et al. (2025) Dynamics of endophytic fungi composition in *Paris polyphylla* var. *chinensis* (franch.) Hara seeds during storage and growth, and responses of seedlings to phytohormones. *Frontiers in microbiology*, 16, 1540651.

Skoufou-Papoutsaki N, et al. (2025) Haploinsufficient phenotypes promote selection of PTEN and ARID1A-deficient clones in human colon. *EMBO reports*, 26(5), 1269.

Boden L, et al. (2025) The impact of elevated temperature and salinity on microbial communities and food selectivity in heterotrophic nanoflagellates in the Boye River. *ISME communications*, 5(1), ycaf049.

Crouch AL, et al. (2025) Altered nasal and oral microbiomes define pediatric sickle cell disease. *mSphere*, 10(6), e0013725.

Jores T, et al. (2025) Small DNA elements can act as both insulators and silencers in plants. *The Plant cell*, 37(6).

Cremonesi P, et al. (2025) Reducing enteric methane emission in dairy goats: impact of dietary inclusions of quebracho tannin extract on ruminal microbiota. *Frontiers in microbiology*, 16, 1595924.

Moore LE, et al. (2025) Secretory IgA modifies the association between early-life gut microbiota trajectories and childhood nonatopic wheeze. *ERJ open research*, 11(4).

Dell'Acqua AN, et al. (2025) Ski Tourism Shapes the Snow Microbiome on Ski Slopes in the Italian Central Alps. *Environmental microbiology reports*, 17(5), e70195.