

Resource Summary Report

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PEAR

RRID:SCR_003776

Type: Tool

Proper Citation

PEAR (RRID:SCR_003776)

Resource Information

URL: <http://www.exelixis-lab.org/software.html>

Proper Citation: PEAR (RRID:SCR_003776)

Description: Software for an ultrafast, memory-efficient and highly accurate pair-end read merger. It is fully parallelized and can run with as low as just a few kilobytes of memory.

Abbreviations: PEAR

Synonyms: Pair-end read merger, PEAR: Pair-end read merger

Resource Type: software resource

Defining Citation: [PMID:24142950](#)

Keywords: next-generation sequencing, sequence analysis

Resource Name: PEAR

Resource ID: SCR_003776

Alternate IDs: OMICS_00674

Record Creation Time: 20220129T080220+0000

Record Last Update: 20260801T190233+0000

Ratings and Alerts

No rating or validation information has been found for PEAR.

No alerts have been found for PEAR.

Data and Source Information

Usage and Citation Metrics

We found 854 mentions in open access literature.

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

Peng Z, et al. (2026) Association between weaning stress and rumen microbiota in goat kids: evidence from granger causality and randomized controlled trial validation. *Animal bioscience*, 39(1), 250092.

van Ravensteijn SG, et al. (2025) Cemiplimab in Locally Advanced or Metastatic Secondary Angiosarcomas (CEMangio): A Phase II Clinical Trial and Biomarker Analyses. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(17), 3678.

Li Y, et al. (2025) Mechanism of action of exercise regulating intestinal microflora to improve spontaneous hypertension in rats. *Biomolecules & biomedicine*, 25(3), 648.

Yu Y, et al. (2025) RPA and Rad27 limit templated and inverted insertions at DNA breaks. *Nucleic acids research*, 53(1).

Liu F, et al. (2025) Isolation of *Bacillus cereus* and its probiotic effect on growth performance, antioxidant capacity, and intestinal barrier protection of broilers. *Poultry science*, 104(4), 104944.

Obi LU, et al. (2025) Dynamics and Insights into the Unique Ecological Guild of Fungi in Bacteria-Bioaugmented Anaerobic Digesters. *Journal of fungi (Basel, Switzerland)*, 11(1).

Herranz-Jusdado JG, et al. (2025) Characterization of B Cell Responses in Rainbow Trout (*Oncorhynchus Mykiss*) Affected by Red Mark Syndrome. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(35), e03047.

Xue Y, et al. (2025) Plant Functional Traits and Soil Nutrients Drive Divergent Symbiotic Fungal Strategies in Three Urban Street Tree Species. *Journal of fungi (Basel, Switzerland)*, 11(6).

Zhu Y, et al. (2025) The insulator EACBE regulates V(D)J recombination of *Tcrd* gene by modulating chromatin organization. *Frontiers in immunology*, 16, 1613621.

Nyimbo WJ, et al. (2025) Exploring the change of coastal saline agroecosystem diversity, composition and predicted function of soil microbial community mediated by soybean and corn intercropping. *Frontiers in plant science*, 16, 1427196.

Kolipakam V, et al. (2025) Estimating asian elephant abundance: a comparative analysis of dung counts and genetic SECR in a known population of Kodagu, Karnataka, India. *BMC ecology and evolution*, 25(1), 106.

Becker J, et al. (2025) Molecular age prediction using skull bone samples from individuals with and without signs of decomposition: a multivariate approach combining analysis of

posttranslational protein modifications and DNA methylation. *International journal of legal medicine*, 139(1), 157.

Rowe SP, et al. (2025) Natal soil consumption shifts gut microbiome in captive *Apertyx rowi* kiwi (*Apertyx rowi*). *Animal microbiome*, 7(1), 83.

Zhang L, et al. (2025) Increasing wheat flour extraction rate for balanced starch-protein digestion and gut microbiota optimization: A strategy to enhance nutrition and mitigate food crises. *Food chemistry: X*, 29, 102848.

Lagunas-Robles G, et al. (2025) Unexpected absence of a multiple-queen supergene haplotype from supercolonial populations of *Formica* ants. *Journal of evolutionary biology*, 38(4), 543.

Tournayre O, et al. (2025) First national survey of terrestrial biodiversity using airborne eDNA. *Scientific reports*, 15(1), 19247.

Deng B, et al. (2025) Mechanism of Core Browning in Different Maturity Stages of 'Yali' Pears During Slow-Cooling Storage and PbRAV-Mediated Regulation. *Foods (Basel, Switzerland)*, 14(12).

Yang S, et al. (2025) Ammonia oxidation by aerobic methanotrophs as a source of marine nitrous oxide. *The ISME journal*, 19(1).

Khristich AN, et al. (2025) An empirical long-term competition among natural yeast isolates reveals that short-term fitness largely but not entirely predicts long-term outcomes. *bioRxiv : the preprint server for biology*.

Shen Y, et al. (2025) Coral dealbatus Crude Polysaccharide Attenuates Fat Accumulation and Intestinal Flora Disorders in Mice Fed with a High-Fat Diet. *Foods (Basel, Switzerland)*, 14(21).