

Resource Summary Report

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oligo

RRID:SCR_015729

Type: Tool

Proper Citation

oligo (RRID:SCR_015729)

Resource Information

URL: <https://bioconductor.org/packages/release/bioc/html/oligo.html>

Proper Citation: oligo (RRID:SCR_015729)

Description: Software package to analyze oligonucleotide arrays (expression/SNP/tiling/exon) at probe-level. It currently supports Affymetrix (CEL files) and NimbleGen arrays (XYS files).

Synonyms: oligo package

Resource Type: data processing software, data analysis software, source code, software resource, software application

Defining Citation: [PMID:20688976](#)

Keywords: oligonucleotide, microarray gene expression, r, oligonucleotide array, snp, gene expression, probe-level, affymetrix array, cel file, and nimblegen array, xys file, bio.tools

Funding: CAPES (Coordenação de Aprimoramento Pessoal de Nível Superior) ; NCRR R01RR021967; NHGRI P41HG004059

Availability: Free, Available for download, Runs on Mac OS, Runs on Windows

Resource Name: oligo

Resource ID: SCR_015729

Alternate IDs: biotools:oligo

Alternate URLs: <https://bio.tools/oligo>

License: LGPL

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260731T042954+0000

Ratings and Alerts

No rating or validation information has been found for oligo.

No alerts have been found for oligo.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1749 mentions in open access literature.

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

Li YR, et al. (2025) Long-Term Latency of Highly Mutated Cells in Normal Mouse Skin Is Reversed by Exposure to Tumor Promoters and Chronic Tissue Damage. *Cancer discovery*, 15(6), 1115.

Garcia de Herreros M, et al. (2025) Clinical and Transcriptomic Characterization of Metastatic Hormone-Sensitive Prostate Cancer Patients with Low PTEN Expression. *International journal of molecular sciences*, 26(13).

Alfaro-García JP, et al. (2025) Characterization of the Temporal Dynamics of the Endothelial-Mesenchymal-like Transition Induced by Soluble Factors from Dengue Virus Infection in Microvascular Endothelial Cells. *International journal of molecular sciences*, 26(5).

Oles AR, et al. (2025) MyoD is essential in rhabdomyosarcoma by promoting survival through differentiation and CYLD. *iScience*, 28(8), 113149.

Wang S, et al. (2025) Joint Analysis of Multiple Omics to Describe the Biological Characteristics of Resistant Hypertension. *Journal of clinical hypertension (Greenwich, Conn.)*, 27(1), e14961.

Zhao Q, et al. (2025) Meiotic crossovers revealed by differential visualization of homologous chromosomes using enhanced haplotype oligo-painting in cucumber. *Plant biotechnology journal*, 23(3), 887.

Shin D, et al. (2025) Attractor Landscape Analysis Reveals a Reversion Switch in the Transition of Colorectal Tumorigenesis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(8), e2412503.

Chen YT, et al. (2025) Rapid and equipment-free identification of papaya mealybug *Paracoccus marginatus* based on RPA-CRISPR/Cas12a. *Pest management science*,

81(1), 230.

Wang M, et al. (2025) Impaired Iron-Sulfur Cluster Synthesis Induces Mitochondrial PARthanatos in Diabetic Cardiomyopathy. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(1), e2406695.

Pirahmadi S, et al. (2025) Effects of *Plasmodium berghei* infection on the expression of salivary gland immune-related genes in the *Anopheles stephensi* mosquito. *Malaria journal*, 24(1), 180.

Wang G, et al. (2025) Identification and validation of intergeneric hybrids between *Saccharum officinarum* and *Erianthus rockii* using molecular and cytogenetic tools. *PloS one*, 20(5), e0324128.

Tian D, et al. (2025) Whole-genome resequencing to investigate the genetic diversity and the molecular basis underlying key economic traits in indigenous sheep breeds adapted to hypoxic environments. *Frontiers in veterinary science*, 12, 1605252.

Cheng QX, et al. (2025) Co-profiling of in situ RNA-protein interactions and transcriptome in single cells and tissues. *Nature methods*, 22(9), 1824.

Bazihizina N, et al. (2025) Azolla mediated alterations in grain yield and quality in Rice. *Physiologia plantarum*, 177(2), e70158.

Omran MM, et al. (2025) Utilising Human Myometrial and Uterine Fibroid Stem Cell-Derived Three Dimensional Organoids as a Robust Model System for Understanding the Pathophysiology of Uterine Fibroids. *Cell proliferation*, 58(9), e70025.

Zhang A, et al. (2025) Sustained-Release Photothermal Microneedles for Postoperative Incisional Analgesia and Wound Healing via Hydrogen Therapy. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(35), e03698.

Minowa K, et al. (2025) Cancer-Type-Specific DNA Methylation Is a Source of Vulnerability in Liver Cancer Cells. *Cancer science*, 116(7), 2020.

Ferreira JJ, et al. (2025) SLO2.1/NALCN Functional Complex Activity in Mouse Myometrial Smooth Muscle Cells During Pregnancy. *Journal of cellular physiology*, 240(4), e70024.

Li X, et al. (2025) Genetic association of long non-coding RNA ANRIL polymorphism with the risk of type 2 diabetes mellitus in the Chinese Han population. *Diabetology & metabolic syndrome*, 17(1), 108.

Xiao C, et al. (2025) mRNAs of plants and green algae lack the m7G cap-1 structure. *The New phytologist*, 246(2), 396.