

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 analysis software, data processing software, software application, software resource, source code

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: 20260903T235307+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 1808 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Lin R, et al. (2026) Senescence-related gene signature predicts prostate cancer progression and identifies PCNA as a therapeutic target via multi-omics machine learning integration. British journal of cancer, 134(4), 662.

Xing H, et al. (2026) Multi-omics integration analysis reveals metabolic changes during sika deer antler growth. BMC genomics, 27(1).

Jin Y, et al. (2026) Comparative Analysis of the Transcriptome of the Chicken Breast Muscle at Different Developmental Stages. Animals : an open access journal from MDPI, 16(7).

Cicha E, et al. (2026) The Effects of ACTH and Dexamethasone on the Transcriptomic Profile of the Rat Adrenal Gland: An In Vivo Study. Current issues in molecular biology, 48(2).

Wang Y, et al. (2026) Formation Mechanisms of the Ellipsoid Egg in Silkworm (Bombyx mori): Insights from Transcriptomic Profiling. Genes, 17(2).

Ren Y, et al. (2026) Comparative Hepatic Transcriptomic Analysis Reveals Metabolic Regulatory Differences Between Qilian and Oula Sheep. Veterinary sciences, 13(5).

Li L, et al. (2026) Complete Mitochondrial Genome of Melophagus ovinus from Qinghai-Tibet Plateau Provides Evidence for D-Loop Length Polymorphism. Genes, 17(6).

Pan Y, et al. (2026) Integrating single-nucleus barcoding with spatial transcriptomics via Stamp-seq to reveal immunotherapy response-enhancing functional modules in NSCLC. Cell discovery, 12(1), 10.

Huang Z, et al. (2026) Development of an RT-ERA-CRISPR/Cas12a assay for duck Tembusu virus. Poultry science, 105(5), 106612.

Gao L, et al. (2026) Transcriptome Sequencing Unveils a Novel Mechanism Underlying Breed Distinctions Between Thin- and Fat-Tailed Sheep. *Genes*, 17(2).

Ren Y, et al. (2026) Rapid, sensitive, and highly specific detection of *Mycoplasma pneumoniae* and its mutation using the RPA-CRISPR/Cas13a system. *Microbiology spectrum*, 14(5), e0179325.

Xie W, et al. (2026) Exploring the Cardioprotective Spectrum-Effect Relationship of *Apocynum venetum* L. Using a Zebrafish Model. *Pharmaceuticals (Basel, Switzerland)*, 19(6).

Jiang L, et al. (2026) Establishment of duplex multi-enzyme isothermal rapid amplification detection method for bovine astrovirus and norovirus. *Frontiers in veterinary science*, 13, 1819282.

Zhao X, et al. (2026) Integrated transcriptomic and metabolomic analyses reveal the regulatory mechanism of subcutaneous fat deposition in Baicheng Oil chickens. *Poultry science*, 105(7), 106894.

Li X, et al. (2026) Vitamin E acetate and its aerosol activate aryl hydrocarbon receptor signaling and exacerbate inflammation in human U937-derived macrophages. *Toxicology in vitro : an international journal published in association with BIBRA*, 112, 106196.

Li X, et al. (2026) Differential expression of long non-coding RNA in the hypothalamus-pituitary-gonadal axis of Wanxi white geese during laying and broodiness periods. *Animal bioscience*, 39(3), 250348.

Sun Z, et al. (2026) Novel goose parvovirus as a major risk factor for red skin and bristle feather syndrome in meat ducks: Epidemiological associations with duck circovirus and reovirus. *Poultry science*, 105(9), 107281.

Song Y, et al. (2026) Establishment and application of a rapid and visual detection method for *Mycoplasma pneumoniae* using enzymatic recombinase amplification combined with lateral flow dipstick. *Biosafety and health*, 8(3), 199.

Ramirez M, et al. (2026) Integrated molecular networks reveal latent components distinguishing type 2-high and type 2-low asthma. *BMJ open respiratory research*, 13(1).

Wei M, et al. (2026) Hypermethylation of ZNF154 promotes malignant potential of ovarian cancer cells by diminishing ZNF154/KAP1-mediated ROMO1 repression. *Cell death & disease*, 17(1).