

Resource Summary Report

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OligoArray

RRID:SCR_010961

Type: Tool

Proper Citation

OligoArray (RRID:SCR_010961)

Resource Information

URL: http://berry.engin.umich.edu/oligoarray2_1/

Proper Citation: OligoArray (RRID:SCR_010961)

Description: A free software that computes gene specific oligonucleotides for genome-scale oligonucleotide microarray construction.

Abbreviations: OligoArray

Synonyms: OligoArray 2.0: Design of oligonucleotide probes for DNA microarrays using a thermodynamic approach, OligoArray 2.1: Genome-scale oligonucleotide design for microarrays

Resource Type: software resource

Defining Citation: [PMID:12799432](#)

Keywords: bio.tools

Resource Name: OligoArray

Resource ID: SCR_010961

Alternate IDs: OMICS_00828, biotools:oligoarray

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

Record Creation Time: 20220129T080301+0000

Record Last Update: 20260801T190402+0000

Ratings and Alerts

No rating or validation information has been found for OligoArray.

No alerts have been found for OligoArray.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 38 mentions in open access literature.

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

Boraas LC, et al. (2025) G3BP1 ribonucleoprotein complexes regulate focal adhesion protein mobility and cell migration. Cell reports, 44(2), 115237.

Isenhardt R, et al. (2025) The length and strength of compartmental interactions are modulated by condensin II activity. PLoS genetics, 21(7), e1011724.

Rybczynski AT, et al. (2025) Imaging the time course of DNA damage response at a nonrepetitive endogenous locus. Cell reports methods, 5(11), 101219.

Wang YF, et al. (2025) Tetrahedral DNA dendritic nanostructure-enhanced FISH for high-speed, sensitive spatial transcriptomics. Nature communications, 16(1), 9251.

Du J, et al. (2024) Distinguishing individual photobodies using Oligopaints reveals thermo-sensitive and -insensitive phytochrome B condensation at distinct subnuclear locations. Nature communications, 15(1), 3620.

Wang Y, et al. (2022) Achieving single nucleotide sensitivity in direct hybridization genome imaging. Nature communications, 13(1), 7776.

Schirwani S, et al. (2021) Homozygous intronic variants in TPM2 cause recessively inherited Escobar variant of multiple pterygium syndrome and congenital myopathy. Neuromuscular disorders : NMD, 31(4), 359.

Franza T, et al. (2021) NAD⁺ pool depletion as a signal for the Rex regulon involved in Streptococcus agalactiae virulence. PLoS pathogens, 17(8), e1009791.

Cheng Y, et al. (2021) TAD-like single-cell domain structures exist on both active and inactive X chromosomes and persist under epigenetic perturbations. Genome biology, 22(1), 309.

Wang Y, et al. (2021) Genome oligopaint via local denaturation fluorescence in situ hybridization. Molecular cell, 81(7), 1566.

George P, et al. (2020) Three-dimensional Organization of Polytene Chromosomes in Somatic and Germline Tissues of Malaria Mosquitoes. Cells, 9(2).

Sawh AN, et al. (2020) Lamina-Dependent Stretching and Unconventional Chromosome Compartments in Early *C. elegans* Embryos. *Molecular cell*, 78(1), 96.

Watson CM, et al. (2020) Cas9-based enrichment and single-molecule sequencing for precise characterization of genomic duplications. *Laboratory investigation; a journal of technical methods and pathology*, 100(1), 135.

Bizzarri M, et al. (2020) Whole-Transcriptome Analysis Unveils the Synchronized Activities of Genes for Fructans in Developing Tubers of the Jerusalem Artichoke. *Frontiers in plant science*, 11, 101.

Hu M, et al. (2020) ProbeDealer is a convenient tool for designing probes for highly multiplexed fluorescence in situ hybridization. *Scientific reports*, 10(1), 22031.

Wu S, et al. (2019) ARID1A spatially partitions interphase chromosomes. *Science advances*, 5(5), eaaw5294.

Guitor AK, et al. (2019) Capturing the Resistome: a Targeted Capture Method To Reveal Antibiotic Resistance Determinants in Metagenomes. *Antimicrobial agents and chemotherapy*, 64(1).

Oda H, et al. (2019) Microarray data on the comparison of transcript expression between normal and Pt-Delta RNAi embryos in the common house spider *Parasteatoda tepidariorum*. *Data in brief*, 25, 104350.

Rosin LF, et al. (2019) Chromosome territory formation attenuates the translocation potential of cells. *eLife*, 8.

Zheng X, et al. (2018) Lamins Organize the Global Three-Dimensional Genome from the Nuclear Periphery. *Molecular cell*, 71(5), 802.