

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: 20260815T182404+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 [ASWG](#) .

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

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

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

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.

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.

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

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

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.

Guiton 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.