Resource Summary Report

Generated by NIF on Apr 26, 2025

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

Funding:

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: 20250420T014516+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 34 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

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.

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

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.

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.

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).

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.

Rosin LF, et al. (2018) Condensin II drives large-scale folding and spatial partitioning of interphase chromosomes in Drosophila nuclei. PLoS genetics, 14(7), e1007393.

Beliveau BJ, et al. (2018) OligoMiner provides a rapid, flexible environment for the design of genome-scale oligonucleotide in situ hybridization probes. Proceedings of the National Academy of Sciences of the United States of America, 115(10), E2183.

Szabo Q, et al. (2018) TADs are 3D structural units of higher-order chromosome organization in Drosophila. Science advances, 4(2), eaar8082.

Park YG, et al. (2018) Protection of tissue physicochemical properties using polyfunctional crosslinkers. Nature biotechnology.