Resource Summary Report

Generated by NIF on Sep 1, 2026

MPDA

RRID:SCR_009303
Type: Tool

Proper Citation

MPDA (RRID:SCR_009303)

Resource Information

URL: http://www.stat.sinica.edu.tw/hsinchou/genetics/pooledDNA/mpda.htm

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Description: A tool for analyzing hybridization intensity data from microarray-based pooled DNA experiments. MPDA was developed under the software platform, MATLABR, and provided user-friendly interfaces adapted to Windows systems (Windows 98, Windows 2000 and Windows XP). or users without installing software MATLABR, we also developed stand-alone executables generated via the MATLABR compiler. MPDA provides four major functions: (1) Whole-genome DNA amplification/hybridization analysis, (2) Allele frequency estimation, (3) Association mapping, (4) Allelic imbalance detection. Graphic and numerical outputs from MPDA support global and detailed inspection for bulk of genomic data. (entry from Genetic Analysis Software)

Abbreviations: MPDA

Synonyms: Microarray Pooled DNA Analyser

Resource Type: software application, software resource

Keywords: gene, genetic, genomic, matlabr, ms-windows, (windows98/2000/xp), bio.tools

Resource Name: MPDA

Resource ID: SCR_009303

Alternate IDs: biotools:mpda, nlx_154492

Alternate URLs: https://bio.tools/mpda

Record Creation Time: 20220129T080252+0000

Record Last Update: 20260829T183110+0000

Ratings and Alerts

No rating or validation information has been found for MPDA.

No alerts have been found for MPDA.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Yang S, et al. (2025) BSA@IR780-loaded mesoporous polydopamine nanoparticles with enhanced photostability for multimodal imaging and photothermal therapy of tumors. Nanoscale advances, 7(8), 2182.

Huang H, et al. (2025) Smart biomimetic "nano-med-fireman" blocking inflammation and lactate metabolism crosstalk for normalized spatiotemporal photo-immunotherapy. Bioactive materials, 51, 431.

Luo T, et al. (2025) DFO-loaded PDA nanoparticles facilitated 3D stem cell spheroids for diabetic wound repair by normalizing the pathological microenvironment. Materials today. Bio, 33, 101973.

Chi XK, et al. (2025) Polydopamine-based Nanoadjuvants Promote a Positive Feedback Loop for Cancer Immunotherapy via Overcoming Photothermally Boosted T Cell Exhaustion. Biomaterials research, 29, 0166.

Xiao Y, et al. (2024) Innovative Bio-based Hydrogel Microspheres Micro-Cage for Neutrophil Extracellular Traps Scavenging in Diabetic Wound Healing. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(21), e2401195.

Ma X, et al. (2024) A Multifunctional Nanodrug Co-Delivering VEGF-siRNA and Dexamethasone for Synergistic Therapy in Ocular Neovascular Diseases. International journal of nanomedicine, 19, 12369.

Chen BY, et al. (2023) The subacute toxicity and underlying mechanisms of biomimetic mesoporous polydopamine nanoparticles. Particle and fibre toxicology, 20(1), 38.

Xu J, et al. (2023) Study on combination therapy for lung cancer through pemetrexed-loaded mesoporous polydopamine nanoparticles. Journal of biomedical materials research. Part A, 111(2), 158.

Liu Y, et al. (2022) Remotely boosting hyaluronidase activity to normalize the hypoxic immunosuppressive tumor microenvironment for photothermal immunotherapy. Biomaterials, 284, 121516.

De Guzman MR, et al. (2021) Optimal Performance of Thin-Film Composite Nanofiltration-Like Forward Osmosis Membranes Set Off by Changing the Chemical Structure of Diamine Reacted with Trimesoyl Chloride through Interfacial Polymerization. Polymers, 13(4).

Kim HH, et al. (2018) Is the relationship between parental abuse and mobile phone dependency (MPD) contingent across neighborhood characteristics? A multilevel analysis of Korean Children and Youth Panel Survey. PloS one, 13(5), e0196824.

Yang HC, et al. (2008) MPDA: microarray pooled DNA analyzer. BMC bioinformatics, 9, 196.