

Resource Summary Report

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Triplex

RRID:SCR_003061

Type: Tool

Proper Citation

Triplex (RRID:SCR_003061)

Resource Information

URL: <http://www.bioconductor.org/packages/release/bioc/html/triplex.html>

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Description: Software package that provides functions for identification and visualization of potential intramolecular triplex patterns in DNA sequence. The main functionality is to detect the positions of subsequences capable of folding into an intramolecular triplex (H-DNA) in a much larger sequence. The potential H-DNA (triplexes) should be made of as many canonical nucleotide triplets as possible. The package includes visualization showing the exact base-pairing in 1D, 2D or 3D.

Synonyms: triplex - Search and visualize intramolecular triplex-forming sequences in DNA

Resource Type: software resource

Defining Citation: [PMID:23709494](#)

Keywords: software package, mac os x, unix/linux, windows, r, gene regulation, sequence matching, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: Triplex

Resource ID: SCR_003061

Alternate IDs: OMICS_06259, biotools:triplex

Alternate URLs: <http://www.fi.muni.cz/~lexa/triplex/>, <https://bio.tools/triplex>

Record Creation Time: 20220129T080217+0000

Record Last Update: 20260912T195551+0000

Ratings and Alerts

No rating or validation information has been found for Triplex.

No alerts have been found for Triplex.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Aphrham S, et al. (2025) Quantifying and Controlling DNA Probe Density on the Surface of Silicon Nitride Optical Waveguides. *Langmuir : the ACS journal of surfaces and colloids*, 41(17), 11205.

Villalba R, et al. (2024) Development and Validation of Three Triplex Real-Time RT-PCR Assays for Typing African Horse Sickness Virus: Utility for Disease Control and Other Laboratory Applications. *Viruses*, 16(3).

Yll-Pico M, et al. (2024) Highly stable and immunogenic CMV T cell vaccine candidate developed using a synthetic MVA platform. *NPJ vaccines*, 9(1), 68.

Somhorst FHB, et al. (2023) Quantum simulation of thermodynamics in an integrated quantum photonic processor. *Nature communications*, 14(1), 3895.

Montero JC, et al. (2023) An amino acid transporter subunit as an antibody-drug conjugate target in colorectal cancer. *Journal of experimental & clinical cancer research : CR*, 42(1), 200.

Rinoldi C, et al. (2021) Three-Dimensional Printable Conductive Semi-Interpenetrating Polymer Network Hydrogel for Neural Tissue Applications. *Biomacromolecules*, 22(7), 3084.

Švikovi? S, et al. (2019) R-loop formation during S phase is restricted by PrimPol-mediated repriming. *The EMBO journal*, 38(3).

Cao H, et al. (2014) Identification, classification and differential expression of oleosin genes in tung tree (*Vernicia fordii*). *PloS one*, 9(2), e88409.

Du X, et al. (2014) Potential non-B DNA regions in the human genome are associated with higher rates of nucleotide mutation and expression variation. *Nucleic acids research*, 42(20), 12367.

Dowen SE, et al. (2005) Expression of S100P and its novel binding partner S100PBPR in early pancreatic cancer. *The American journal of pathology*, 166(1), 81.