Resource Summary Report

Generated by NIF on May 21, 2025

HYDEN

RRID:SCR_003126
Type: Tool

Proper Citation

HYDEN (RRID:SCR_003126)

Resource Information

URL: http://acgt.cs.tau.ac.il/hyden/

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Description: Software program for designing pairs of degenerate primers for a given set of DNA sequences. It works well for large input sets of genomic sequences (e.g., hundreds of sequences of length 1Kbp). It is a batch (i.e., command-line, as opposed to graphical interface) program, available for Windows XP (downloadable version) and Linux (upon request).

Abbreviations: HYDEN

Synonyms: HYDEN - A Software for Designing Degenerate Primers, HighlY DEgeNerate primers

Resource Type: software resource

Defining Citation: PMID:17951798

Keywords: degenerate, primer, dna sequence, primer design, degenerate primer, windows, linux, bio.tools

Funding:

Availability: Free for academic use, License required for other use

Resource Name: HYDEN

Resource ID: SCR_003126

Alternate IDs: OMICS_02338, biotools:hyden

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

Record Creation Time: 20220129T080217+0000

Record Last Update: 20250519T203233+0000

Ratings and Alerts

No rating or validation information has been found for HYDEN.

No alerts have been found for HYDEN.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Rihtman B, et al. (2024) Coordinated transcriptional response to environmental stress by a Synechococcus virus. The ISME journal, 18(1).

Fang Y, et al. (2022) Chemokine CXCL10 regulates pain behaviors via PI3K-AKT signaling pathway in mice. Neuropeptides, 93, 102243.

Chukwuemeka PO, et al. (2020) In silico design and validation of a highly degenerate primer pair: a systematic approach. Journal, genetic engineering & biotechnology, 18(1), 72.

Takada T, et al. (2020) Dynamic analysis of human small intestinal microbiota after an ingestion of fermented milk by small-intestinal fluid perfusion using an endoscopic retrograde bowel insertion technique. Gut microbes, 11(6), 1662.

Nemoto W, et al. (2020) Effect of spinal angiotensin-converting enzyme 2 activation on the formalin-induced nociceptive response in mice. European journal of pharmacology, 872, 172950.

Berglund AK, et al. (2017) Nucleotide pools dictate the identity and frequency of ribonucleotide incorporation in mitochondrial DNA. PLoS genetics, 13(2), e1006628.

Lavezzo E, et al. (2016) Characterization of Intra-Type Variants of Oncogenic Human Papillomaviruses by Next-Generation Deep Sequencing of the E6/E7 Region. Viruses, 8(3),

79.

Lee SA, et al. (2016) Epigenetic profiling of human brain differential DNA methylation networks in schizophrenia. BMC medical genomics, 9(Suppl 3), 68.

Sauvage T, et al. (2016) A metabarcoding framework for facilitated survey of endolithic phototrophs with tufA. BMC ecology, 16, 8.

Bonilla-Rosso G, et al. (2016) Design and evaluation of primers targeting genes encoding NO-forming nitrite reductases: implications for ecological inference of denitrifying communities. Scientific reports, 6, 39208.

Olender T, et al. (2004) The canine olfactory subgenome. Genomics, 83(3), 361.