

# Resource Summary Report

Generated by [nidm-terms](#) on Jul 28, 2026

## HYDEN

RRID:SCR\_003126

Type: Tool

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### Proper Citation

HYDEN (RRID:SCR\_003126)

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### Resource Information

**URL:** <http://acgt.cs.tau.ac.il/hyden/>

**Proper Citation:** HYDEN (RRID:SCR\_003126)

**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

**Availability:** Free, Available for download, Freely available

**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:** 20260725T190538+0000

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## Ratings and Alerts

No rating or validation information has been found for HYDEN.

No alerts have been found for HYDEN.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 12 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

Ibrahim Osman A, et al. (2025) Development of a highly degenerate primer-based molecular tool for detecting and classifying the four major classes of polyhydroxyalkanoate synthase (phaC) genes in bacteria. *Microbial cell factories*, 24(1), 205.

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.

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

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

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.