## **Resource Summary Report**

Generated by dkNET on May 22, 2025

# **Phyre**

RRID:SCR\_010270

Type: Tool

## **Proper Citation**

Phyre (RRID:SCR\_010270)

#### **Resource Information**

URL: http://www.sbg.bio.ic.ac.uk/phyre2

**Proper Citation:** Phyre (RRID:SCR\_010270)

**Description:** A structure prediction system to reliably detect remote homologies.

Synonyms: Protein Homology/Anology Recognition Engine

Resource Type: algorithm

**Defining Citation: PMID:19247286** 

Funding:

Resource Name: Phyre

Resource ID: SCR\_010270

Alternate IDs: nlx\_156932

**Record Creation Time:** 20220129T080257+0000

**Record Last Update:** 20250519T203605+0000

## **Ratings and Alerts**

No rating or validation information has been found for Phyre.

No alerts have been found for Phyre.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 638 mentions in open access literature.

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

Shi X, et al. (2025) Swine RNF5 positively regulates the antiviral activity of IFITM1 by mediating the degradation of ABHD16A. Journal of virology, 99(1), e0127724.

He R, et al. (2025) Turnip mosaic virus selectively subverts a PR-5 thaumatin-like, plasmodesmal protein to promote viral infection. The New phytologist, 245(1), 299.

Qu L, et al. (2024) Oxygen-driven divergence of marine group II archaea reflected by transitions of superoxide dismutases. Microbiology spectrum, 12(1), e0203323.

Chen Y, et al. (2024) Salicylic acid inducing the expression of maize anti-insect gene SPI: a potential control strategy for Ostrinia furnacalis. BMC plant biology, 24(1), 152.

Heslop-Harrison G, et al. (2024) Functional mechanism study of the allelochemical myrigalone A identifies a group of ultrapotent inhibitors of ethylene biosynthesis in plants. Plant communications, 5(6), 100846.

Guillon C, et al. (2024) "It's Only a Model": When Protein Structure Predictions Need Experimental Validation, the Case of the HTLV-1 Tax Protein. Pathogens (Basel, Switzerland), 13(3).

Sollazzo G, et al. (2024) Deep orange gene editing triggers temperature-sensitive lethal phenotypes in Ceratitis capitata. BMC biotechnology, 24(1), 7.

Oladipo EK, et al. (2024) Exploring computational approaches to design mRNA Vaccine against vaccinia and Mpox viruses. Immunity, inflammation and disease, 12(8), e1360.

Kamal MM, et al. (2024) In silico functional, structural and pathogenicity analysis of missense single nucleotide polymorphisms in human MCM6 gene. Scientific reports, 14(1), 11607.

Liang M, et al. (2024) Functional complementation of two splicing variants of Gustavus in Neocaridina denticulata sinensis during ovarian maturation. Scientific reports, 14(1), 20939.

Martin MF, et al. (2024) Distinct chikungunya virus polymerase palm subdomains contribute to viral protein accumulation and virion production. PLoS pathogens, 20(10), e1011972.

Divbandi M, et al. (2024) Expression of thermostable MMLV reverse transcriptase in Escherichia coli by directed mutation. AMB Express, 14(1), 113.

Rozano L, et al. (2024) Template-Based Modelling of the Structure of Fungal Effector Proteins. Molecular biotechnology, 66(4), 784.

Mbanefo EC, et al. (2024) A Camelid-Derived STAT-Specific Nanobody Inhibits Neuroinflammation and Ameliorates Experimental Autoimmune Encephalomyelitis (EAE). Cells, 13(12).

Aiman S, et al. (2024) Core-genome-mediated promising alternative drug and multi-epitope vaccine targets prioritization against infectious Clostridium difficile. PloS one, 19(1), e0293731.

Bai Y, et al. (2024) Amino acids in the polymerase complex of shorebird-isolated H1N1 influenza virus impact replication and host-virus interactions in mammalian models. Emerging microbes & infections, 13(1), 2332652.

Narh JK, et al. (2024) LL-37\_Renalexin hybrid peptide exhibits antimicrobial activity at lower MICs than its counterpart single peptides. Applied microbiology and biotechnology, 108(1), 126.

Yu Y, et al. (2024) Nuclear pore protein POM121 regulates subcellular localization and transcriptional activity of PPAR?. Cell death & disease, 15(1), 7.

SobhZahedi M, et al. (2024) A novel in-silico approach to design a multiepitope peptide as a vaccine candidate for Aeromonas hydrophila. Heliyon, 10(23), e40733.

P?kacz M, et al. (2024) Molecular insights and antibody response to Dr20/22 in dogs naturally infected with Dirofilaria repens. Scientific reports, 14(1), 12979.