

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 1, 2026

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](#)

Resource Name: Phyre

Resource ID: SCR_010270

Alternate IDs: nlx_156932

Record Creation Time: 20220129T080257+0000

Record Last Update: 20260725T190700+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 665 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Vasquez R, et al. (2025) Heterologous expression and characterization of xylose-tolerant GH 43 family α -xylosidase/ α -L-arabinofuranosidase from *Limosilactobacillus fermentum* and its application in xylan degradation. *Frontiers in bioengineering and biotechnology*, 13, 1564764.

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.

Song Y, et al. (2025) Genome-Wide Identification and Expression Analysis of the STAT Family in Reeve's Turtle (*Mauremys reevesii*). *Biochemical genetics*, 63(3), 2330.

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.

Tripathy MK, et al. (2025) Modified pea apyrase has altered nuclear functions and enhances the growth of yeast and *Arabidopsis*. *Frontiers in plant science*, 16, 1584871.

Li Z, et al. (2025) Genome-wide identification of LHT gene family in *Lonicera macranthoides* Hand.-Mazz and their responses to abiotic stresses. *Frontiers in genetics*, 16, 1614541.

Pouya HSH, et al. (2025) Insights into TtCIPK gene family and its roles in durum wheat in response to PEG and ABA treatments. *Scientific reports*, 15(1), 25419.

Chen G, et al. (2025) Polymorphism of NCAPG gene and its association with growth traits in Nanjiang Yellow goat. *Animal biotechnology*, 36(1), 2565161.

Núñez M, et al. (2025) Adapting to UV: Integrative Genomic and Structural Analysis in Bacteria from Chilean Extreme Environments. *International journal of molecular sciences*, 26(12).

Amer MA, et al. (2025) Genomic prediction of phytase potential and stress tolerance in maize-associated plant growth-promoting rhizobacterium *Enterobacter cloacae* Mz49. *AMB Express*, 15(1), 180.

Ozubek S, et al. (2025) Molecular characterization and recombinant expression of *Babesia ovis* SBP4 protein as a potential serodiagnostic antigen. *Scientific reports*, 15(1), 45001.

Shao D, et al. (2025) A broadly conserved fungal chorismate mutase targets the plant shikimate pathway to regulate salicylic acid production and other secondary metabolites. *mBio*, 16(11), e0203125.

Lin ZL, et al. (2025) Biogeography and host interactions of CPR and DPANN viruses in acid mine drainage sediments. *Nature communications*, 16(1), 10492.

An BC, et al. (2025) Development for Probiotics Based Insulin Delivery System. *Current issues in molecular biology*, 47(3).

Lax C, et al. (2025) Symmetric adenine methylation is an essential DNA modification in the early-diverging fungus *Rhizopus microsporus*. *Nature communications*, 16(1), 3843.

Boonkua S, et al. (2025) Replacing protruding domains of MrNV virus-like particles with sialic acid binding domains enhances binding to SARS-CoV-2 susceptible cells and reduces pseudovirus infection. *Scientific reports*, 15(1), 25200.

Yang R, et al. (2025) The role of ladderlectin in spermatogenesis and ovarian sperm storage in the black rockfish (*Sebastes schlegelii*). *Communications biology*, 8(1), 626.

Wang H, et al. (2025) *Gracilimonas qinghaiensis* sp. nov., a halophilic bacterium from a high-altitude saline lake exhibiting diverse metabolic potential and ecological adaptation. *Current research in microbial sciences*, 9, 100413.

Liu Z, et al. (2025) A novel partitivirus confers dual contradictory effects to its host fungus: growth attenuation and virulence enhancement. *Journal of virology*, 99(12), e0121925.

Harada R, et al. (2025) Complete Mitochondrial Genomes of Ancyromonads Provide Clues for the Gene Content and Genome Structures of Ancestral Mitochondria. *The Journal of eukaryotic microbiology*, 72(3), e70012.