

Resource Summary Report

Generated by [NIF](#) on Aug 27, 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: 20260815T182359+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 758 mentions in open access literature.

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

Bonardi CM, et al. (2026) Biallelic variants in CELSR1 cause brain malformations, neurodevelopmental disorders and epilepsy in humans. *Nature communications*, 17(1), 862.

Moreno-Giménez E, et al. (2026) Bioconversion of carotenoids into high-value crocins using a marine sponge carotenoid cleavage dioxygenase. *The New phytologist*, 250(5), 3230.

Muenthaisong A, et al. (2026) A Novel Recombinant MAGE-B10-HSP110 Fusion Protein Enhances Innate and Adaptive Immune Responses in Mice: A Potential Vaccine Candidate for Canine Mammary Tumors. *Animals : an open access journal from MDPI*, 16(9).

Xiao F, et al. (2026) The MdERF17-MdbHLH149 Module Mediates Ethylene-Induced Starch Degradation Through the Transcriptional Repression of α -Amylase MdAMY1 in Apple. *Plant biotechnology journal*, 24(5), 3141.

Mfopit YM, et al. (2026) Identification of Sialidase-Producing Bacteria in the Tsetse Gut and Characterisation of a *Paenibacillus* Sialidase: A Potential Tool for Paratransgenic Control of African Trypanosomes. *Research square*.

Bröms JE, et al. (2026) *Francisella tularensis* virulence relies on a conserved putative catalytic triad within the Type VI secretion system component PdpC. *FEMS microbes*, 7, xtag009.

Mia MS, et al. (2026) Identification and characterization of 13 gene families encoding enzymes involved in flavonoid biosynthesis in barley and their roles under abiotic stress. *Scientific reports*, 16(1).

Vasconcelos GJN, et al. (2026) Monoterpene-Rich Nanoemulsion from *Thymus vulgaris* as a Promising Acaricidal Strategy Against *Tetranychus mexicanus*: Effects on Survival and Fecundity. *Molecules (Basel, Switzerland)*, 31(12).

Li Y, et al. (2026) Antibacterial Activity of Bacteriophage Lytic Enzyme Ply900. *Veterinary sciences*, 13(1).

Zhao Y, et al. (2026) Diversity, Function and Activity of DNA Viruses in the Qiangyong Proglacial Lake Sediment, the Tibetan Plateau. *Environmental microbiology reports*, 18(1), e70262.

Zhang T, et al. (2026) ZmTH1 Is Vital for Healthy Plant Growth and Promotes Cold/Drought Tolerance by Regulating Thiamin Diphosphate-Dependent Metabolisms in Maize. *Plant biotechnology journal*, 24(3), 1234.

Siripitakpong P, et al. (2026) Effects of deamidation by protein glutaminase on the flavor binding properties of pea protein isolate. *Food chemistry: X*, 34, 103712.

Liu L, et al. (2026) Hotspot pocket-based discovery of urea transporter selective inhibitors. *Nature communications*, 17(1).

Kashif M, et al. (2026) Genome-wide characterization of sulphur metabolism gene families and recombination dynamics in mangrove-derived *Bacillus aryabhattai* NM1-A2 and *Bacillus cereus* NR1. *Microbial genomics*, 12(5).

Wagenknecht JB, et al. (2026) Multi-State Structural Genomics Enables Large-Scale, Mechanistic, and Context-Specific Classification of ABCC6 Genetic Variants Implicated in Calcification Diseases. *International journal of molecular sciences*, 27(4).

Tang Y, et al. (2026) Genome-Wide Analysis of the TIFY Gene Family in Litchi (*Litchi chinensis* Sonn.): Identification and Expression Profiling. *Biology*, 15(5).

Di Nardo M, et al. (2026) Mutation type-specific transcriptomic signatures and readthrough therapy rescue in SMC1A-related developmental and epileptic encephalopathy. *Epilepsia*, 67(6), 3185.

Wadood AA, et al. (2026) Comparative genomic and evolutionary analysis of the heat shock protein gene family in the chicken genome. *Animal biotechnology*, 37(1), 2617690.

Ferreiro I, et al. (2026) On the brink of emergence: an evolutionary approach to Influenza A virus H5N1 isolated from humans. *Virus research*, 367, 199717.

González-Bertolín B, et al. (2026) De novo genome assembly and annotation of *Gnathostoma spinigerum*. *Parasites & vectors*, 19(1).