

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

GeneFisher

RRID:SCR_003060

Type: Tool

Proper Citation

GeneFisher (RRID:SCR_003060)

Resource Information

URL: <http://bibiserv.techfak.uni-bielefeld.de/genefisher2/>

Proper Citation: GeneFisher (RRID:SCR_003060)

Description: A web-based program for designing degenerate primers. The procedure leads to isolation of genes in a target organism using multiple alignments of related genes from different organisms. The term gene fishing refers to the technique where PCR is used to isolate a postulated but unknown target sequence from a pool of DNA.

Abbreviations: GeneFisher, GeneFisher2

Synonyms: GeneFisher2 - Interactive PCR Primer Design

Resource Type: service resource, analysis service resource, data analysis service, production service resource

Defining Citation: [PMID:8877506](#)

Keywords: primer design, gene, degenerate primer, degenerate, primer, bio.tools

Availability: Free, Freely available

Resource Name: GeneFisher

Resource ID: SCR_003060

Alternate IDs: biotools:genefisher, OMICS_02341

Alternate URLs: <https://bio.tools/genefisher>

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260812T044049+0000

Ratings and Alerts

No rating or validation information has been found for GeneFisher.

No alerts have been found for GeneFisher.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 39 mentions in open access literature.

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

Kumar RR, et al. (2023) Transcriptional Regulation of Small Heat Shock Protein 17 (sHSP-17) by Triticum aestivum HSFA2h Transcription Factor Confers Tolerance in Arabidopsis under Heat Stress. Plants (Basel, Switzerland), 12(20).

Huang Y, et al. (2020) Synergistic interaction of hTGF- β 3 with hBMP-6 promotes articular cartilage formation in chitosan scaffolds with hADSCs: implications for regenerative medicine. BMC biotechnology, 20(1), 48.

Decharatchakul N, et al. (2019) Association of genetic polymorphisms in SOD2, SOD3, GPX3, and GSTT1 with hypertriglyceridemia and low HDL-C level in subjects with high risk of coronary artery disease. PeerJ, 7, e7407.

Hartmann DO, et al. (2019) Ionic Liquids Chemical Stress Triggers Sphingoid Base Accumulation in Aspergillus nidulans. Frontiers in microbiology, 10, 864.

Huang Y, et al. (2019) Induction of Articular Chondrogenesis by Chitosan/Hyaluronic-Acid-Based Biomimetic Matrices Using Human Adipose-Derived Stem Cells. International journal of molecular sciences, 20(18).

Mondal M, et al. (2017) Comet-FISH for Ultrasensitive Strand-Specific Detection of DNA Damage in Single Cells. Methods in enzymology, 591, 83.

Kumar RR, et al. (2017) Biochemical Defense Response: Characterizing the Plasticity of Source and Sink in Spring Wheat under Terminal Heat Stress. Frontiers in plant science, 8, 1603.

Alves PC, et al. (2016) Transcriptomic and metabolomic profiling of ionic liquid stimuli unveils enhanced secondary metabolism in Aspergillus nidulans. BMC genomics, 17, 284.

Zhou XU, et al. (2016) Correlation between the expression of hTERT gene and the clinicopathological characteristics of hepatocellular carcinoma. Oncology letters, 11(1), 111.

Ripamonti U, et al. (2016) Tissue segregation restores the induction of bone formation by the mammalian transforming growth factor- β (3) in calvarial defects of the non-human primate Papio ursinus. Biomaterials, 86, 21.

Qi Z, et al. (2016) miR-491 regulates glioma cells proliferation by targeting TRIM28 in vitro. BMC neurology, 16(1), 248.

Ruan L, et al. (2015) Association between single nucleotide polymorphism of vitamin D receptor gene FokI polymorphism and clinical progress of benign prostatic hyperplasia. TheScientificWorldJournal, 2015, 235895.

Yamada T, et al. (2015) Impact of the cardiac arrest mode on cardiac death donor lungs. The Journal of surgical research, 195(2), 596.

Cedro-Tanda A, et al. (2014) Prevalence of HMTV in breast carcinomas and unaffected tissue from Mexican women. BMC cancer, 14, 942.

Al-Sinani S, et al. (2014) Utility of large consanguineous family-based model for investigating the genetics of type 2 diabetes mellitus. Gene, 548(1), 22.

Martins I, et al. (2014) Elucidating how the saprophytic fungus *Aspergillus nidulans* uses the plant polyester suberin as carbon source. BMC genomics, 15, 613.

Qin C, et al. (2014) AMH and AMHR2 genetic variants in Chinese women with primary ovarian insufficiency and normal age at natural menopause. Reproductive biomedicine online, 29(3), 311.

Borschensky CM, et al. (2014) Mutations in the 3c and 7b genes of feline coronavirus in spontaneously affected FIP cats. Research in veterinary science, 97(2), 333.

Al-Faisal AH, et al. (2014) Detection of heterozygous c.1708C>T and c.1978C>G thyroid peroxidase (TPO) mutations in Iraqi patients with toxic and nontoxic goiter. Comparative clinical pathology, 23(1), 69.

Xu J, et al. (2014) Calcitonin receptor gene polymorphism in cChinese Xinjiang Han and Uygur women with primary osteoporosis. The journal of nutrition, health & aging, 18(2), 204.