

Resource Summary Report

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Primer3Plus

RRID:SCR_003081

Type: Tool

Proper Citation

Primer3Plus (RRID:SCR_003081)

Resource Information

URL: <http://www.bioinformatics.nl/cgi-bin/primer3plus/primer3plus.cgi>

Proper Citation: Primer3Plus (RRID:SCR_003081)

Description: A web interface to the Primer3 primer design program as an enhanced alternative for the CGI- scripts that come with Primer3.

Abbreviations: Primer3Plus

Synonyms: Primer3Plus - pick primers from a DNA sequence

Resource Type: analysis service resource, data analysis service, production service resource, service resource, software resource, source code

Defining Citation: [PMID:17485472](#)

Keywords: primer, dna sequence, primer design, perl, bio.tools

Funding: Howard Hughes Medical Institute ;
NHGRI R01-HG00257;
NHGRI P50-HG00098

Availability: Free, Freely available

Resource Name: Primer3Plus

Resource ID: SCR_003081

Alternate IDs: biotools:primer3plus, OMICS_02347

Alternate URLs: <https://bio.tools/primer3plus>

Record Creation Time: 20220129T080217+0000

Record Last Update: 20260912T195551+0000

Ratings and Alerts

No rating or validation information has been found for Primer3Plus.

No alerts have been found for Primer3Plus.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1860 mentions in open access literature.

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

Bibi R, et al. (2026) STAT4 mediated modulation of T-B cell interactions profiling: enhances antitumor immunity in non-small cell lung cancer (NSCLC). Molecular biology reports, 53(1), 389.

Bibi R, et al. (2026) STAT2 Mediated Epigenetic and Epitranscriptomic Regulation of CD4 + T Helper Cell Differentiation in Non-Small Cell Lung Cancer (NSCLC). Immunology, 178(2), 293.

Campbell AS, et al. (2026) Molecular insights into electroreceptor ribbon synapses from differential gene expression in sturgeon lateral line organs. Journal of anatomy, 248(5), 784.

Khan K, et al. (2026) Expression of Immune Checkpoints LAG-3, CTLA-4, TIM-3, and PD-1 in Beta-Thalassemia Patients Treated Using HbF Augmentation Therapy and Regular Transfusions. Turkish journal of haematology : official journal of Turkish Society of Haematology, 43(1), 18.

Aksoy MO, et al. (2026) The role of the CEBPB gene in porcine adipogenesis: a study using CRISPR/Cas9-edited mesenchymal stem cells. Journal of applied genetics, 67(2), 477.

Prajapati SK, et al. (2026) A single valine to leucine switch disrupts Plasmodium falciparum AP2-G DNA binding and reveals GDV1's role in ap2-g activation. Nature communications, 17(1), 1719.

Wang H, et al. (2026) Enhanced endocrine-metabolic support and axonemal assembly in high-sperm-motility geese: insights from testicular cellular heterogeneity by scRNA-seq. Poultry science, 105(6), 106840.

Soejima M, et al. (2026) Development of a triplex FMCA assay for genotyping three genes, ADH1B, ADH1C, and ALDH2, involved in alcohol metabolism. Scientific reports, 16(1).

Ma Y, et al. (2026) Unveiling Transcriptional Dynamics Across Five Developmental Stages of the Edible Mushroom *Oudemansiella raphanipes*. *Journal of fungi* (Basel, Switzerland), 12(2).

Camarillo-Benitez S, et al. (2026) Genetic and Molecular Characterization of Treacher Collins Syndrome in Three Mexican Families. *International journal of molecular sciences*, 27(4).

Horvat S, et al. (2026) Retention of embryonic positional identity signatures in the adult sheep tail: evidence from HOXB13 spatial RNA expression gradients. *Scientific reports*, 16(1).

Panda A, et al. (2026) Post-thaw storage of sperm as a tool towards revealing paternal-effect-associated genes in Eurasian perch, *Perca fluviatilis*. *BMC genomics*, 27(1).

García-Roche M, et al. (2026) Hepatic metabolites indicate differences during late mid-lactation in Holstein cows with different levels of pasture inclusion. *Scientific reports*, 16(1).

Ma Y, et al. (2026) Fungal-fungal interaction between *Sanghuangporus vaninii* and its endophytic *Fusarium solani* rewires host secondary metabolism to boost bioactive metabolite production. *Microbial cell factories*, 25(1).

Codik A, et al. (2026) Origin of replication discovery for environmentally isolated *Pantoea* strain enables expression of heterologous proteins, pathways and products. *iScience*, 29(3), 115031.

van Leeuwen PT, et al. (2026) Environmentally mediated interactions predict community assembly and invasion success in a gut microbiota synthetic community. *mSystems*, 11(5), e0011326.

Kim JY, et al. (2026) Effects of Key Environmental Factors on Growth of *Alternaria alternata* Isolated from Strawberry Jam and Its Production of Alternariol and Alternariol Monomethyl Ether. *Journal of fungi* (Basel, Switzerland), 12(5).

Esgandian NM, et al. (2026) Coordinated roles of melatonin and putrescine in modulating oxidative balance and gene expression during postharvest life of *Alstroemeria hybrida*. *Scientific reports*, 16(1).

Cutti L, et al. (2026) Subgenomic Distribution and Herbicide Cross-Resistance of ALS Gene Mutations in Allohexaploid *Echinochloa crus-galli*. *Plant direct*, 10, e70168.

Abreu FVS, et al. (2026) Mitochondrial introgression hampers the DNA barcoding of cryptic yellow fever vectors *Haemagogus capricornii* Lutz and *Hg. janthinomys* in the Atlantic Forest, Brazil. *Parasites & vectors*, 19(1).