

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

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: 20260801T190226+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 1673 mentions in open access literature.

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

Zenki KC, et al. (2026) Memantine Confers Multi-Target Protection in a Zebrafish Seizure Model: Attenuating Epileptic Behavior, GluN2A Overexpression, and Oxidative Stress. *Journal of neurochemistry*, 170(1), e70345.

De Coninck T, et al. (2025) OsAPSE modulates non-covalent interactions between arabinogalactan protein O-glycans and pectin in rice cell walls. *Frontiers in plant science*, 16, 1588802.

Hu F, et al. (2025) The systemic wrinkled skin phenotype involves aberrant expression and variation of genes related to the oxidative stress and extracellular matrix in Xiang pigs. *BMC genomics*, 26(1), 1034.

Campbell AS, et al. (2025) Opposing roles for Bmp signalling during the development of electrosensory lateral line organs. *eLife*, 14.

Naidoo TJ, et al. (2025) Mycobacterium tuberculosis curli pili (MTP) and heparin-binding hemagglutinin adhesin (HBHA) facilitate regulation of central carbon metabolism, enhancement of ATP synthesis and cell wall biosynthesis. *Archives of microbiology*, 207(7), 156.

Gasperini P, et al. (2025) Germline-somatic liaison dictates cancer subtype via de novo steroid biosynthesis. *Cancer discovery*.

Tomacheski JF, et al. (2025) Intake of Pyriproxyfen Through Contaminated Food by the Predator *Ceraeochrysa claveri* Navás, 1911 (Neuroptera: Chrysopidae): Evaluation of Long-Term Effects on Testes via Transcriptome Analysis. *Insects*, 16(6).

Clot CR, et al. (2025) Resolving a century-old enigma: potato 'Bolters' originate from instability of the StCDF1.3 allele. *TAG. Theoretical and applied genetics. Theoretische und angewandte Genetik*, 138(10), 245.

Paulos AP, et al. (2025) Detection of Hemagglutinin H5 Influenza A Virus RNA and Model of Potential Inputs in an Urban California Sewershed. *Environmental science & technology*, 59(31), 16168.

Lepiarczyk E, et al. (2025) Transcriptomic Characterization of the Porcine Urinary Bladder Trigone Following Intravesical Administration of Resiniferatoxin: Insights from High-Throughput Sequencing. *Toxins*, 17(3).

Zhai S, et al. (2025) TaSED interacts with TaSPA synergistically regulating SDS-sedimentation volume in bread wheat. *Journal of integrative plant biology*, 67(8), 2100.

Lee YJ, et al. (2025) Weighted gene co-expression network analysis - based selection of hub genes related to phenolic and volatile compounds and seed coat color in sorghum. *BMC plant biology*, 25(1), 682.

Sakuta K, et al. (2025) Novel endornaviruses infecting *Phytophthora cactorum* that attenuate vegetative growth, promote sporangia formation and confer hypervirulence to the host oomycete. *The Journal of general virology*, 106(5).

Palomino J, et al. (2025) Seasonal expression of reproductive axis-related neuroendocrine genes and their relation with ovarian maturation in captive yellowtail kingfish (*Seriola lalandi*). *Biological research*, 58(1), 55.

Karaiskou N, et al. (2025) Grey Partridge (*Perdix perdix*) Introductions: Genetic Survey on Wild and Captive Populations at the Edges of the Range. *Ecology and evolution*, 15(3), e71122.

Rigon CAG, et al. (2025) Function of cytochrome P450 CYP72A1182 in metabolic herbicide resistance evolution in *Amaranthus palmeri* populations. *Journal of experimental botany*, 76(10), 2891.

Kerdthip T, et al. (2025) Multiplex-PCR technique to predict polymorphic antigens - M, N, S and s - and associations between their alleles and Mia-associated hybrid glycoporphins. *Scientific reports*, 15(1), 2815.

Cortés-Ortíz IA, et al. (2025) Vaginal Dysbiosis in Infertility: A Comparative Analysis Between Women with Primary and Secondary Infertility. *Microorganisms*, 13(1).

Nguyen THH, et al. (2025) Combination of Hotspot Mutations With Methylation and Fragmentomic Profiles to Enhance Multi-Cancer Early Detection. *Cancer medicine*, 14(1), e70575.

Blanchais C, et al. (2025) Interplay between the Xer recombination system and the dissemination of antibioresistance in *Acinetobacter baumannii*. *Nucleic acids research*, 53(1).