Primer3

RRID:SCR_003139
Type: Tool

Proper Citation

Primer3 (RRID:SCR_003139)

Resource Information

URL: http://primer3.ut.ee

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Description: Tool used to design PCR primers from DNA sequence - often in high-throughput genomics applications. It does everything from mispriming libraries to sequence quality data to the generation of internal oligos.

Abbreviations: Primer3

Synonyms: Primer3web - Pick primers from a DNA sequence, Primer3 - PCR primer design tool, Primer3web

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

Defining Citation: PMID:22730293, PMID:17379693, DOI:10.1385/1-59259-192-2:365, DOI:10.1385/1-59259-192-2:365

Keywords: primer, primer design, polymerase chain reaction, pcr primer, dna sequence, c, perl, bio.tools

Funding Agency: NHGRI, NHGRI

Availability: Acknowledgement requested, GNU General Public License, v2 or later

Resource Name: Primer3

Resource ID: SCR_003139
Alternate IDs: nlx_156833, OMICS_02325, biotools:primer3


Record Creation Time: 20220129T080217+0000

Record Last Update: 20240618T053250+0000

Ratings and Alerts

No rating or validation information has been found for Primer3.

No alerts have been found for Primer3.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9818 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Tate NM, et al. (2024) Sequence Analysis of Six Candidate Genes in Miniature Schnauzers with Primary Hypertriglyceridemia. Genes, 15(2).

Chen Y, et al. (2024) A dynamic ubiquitination balance of cell proliferation and endoreduplication regulators determines plant organ size. Science advances, 10(11), eadj2570.


Amato B, et al. (2024) Comparative Study of Mycobacterium bovis and Mycobacterium avium subsp. paratuberculosis In Vitro Infection in Bovine Bone Marrow Derived Macrophages: Preliminary Results. Microorganisms, 12(2).


Ponpinit T, et al. (2024) Spike S2 Subunit: Possible Target for Detecting Novel SARS-CoV-2 Variants with Multiple Mutations. Tropical medicine and infectious disease, 9(2).


Tornillo G, et al. (2024) Conditional in vivo deletion of LYN kinase has little effect on a BRCA1 loss-of-function-associated mammary tumour model. Disease models & mechanisms, 17(1).


Vivarelli F, et al. (2024) Effects of unburned tobacco smoke on inflammatory and oxidative
mediators in the rat prefrontal cortex. Frontiers in pharmacology, 15, 1328917.

Forgia M, et al. (2024) New clades of viruses infecting the obligatory biotroph Bremia lactucae representing distinct evolutionary trajectory for viruses infecting oomycetes. Virus evolution, 10(1), veae003.