

Resource Summary Report

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NGS QC Toolkit

RRID:SCR_005461

Type: Tool

Proper Citation

NGS QC Toolkit (RRID:SCR_005461)

Resource Information

URL: <http://www.nipgr.res.in/ngsqctoolkit.html>

Proper Citation: NGS QC Toolkit (RRID:SCR_005461)

Description: A software toolkit for the quality control (QC) of next generation sequencing (NGS) data. The toolkit comprises of user-friendly stand alone tools for quality control of the sequence data generated using Illumina and Roche 454 platforms with detailed results in the form of tables and graphs, and filtering of high-quality sequence data. It also includes few other tools, which are helpful in NGS data quality control and analysis., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: NGS QC Toolkit

Resource Type: software resource

Defining Citation: [PMID:22312429](#)

Keywords: next generation sequencing

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: NGS QC Toolkit

Resource ID: SCR_005461

Alternate IDs: OMICS_01062

Record Creation Time: 20220129T080230+0000

Record Last Update: 20260725T190607+0000

Ratings and Alerts

No rating or validation information has been found for NGS QC Toolkit.

No alerts have been found for NGS QC Toolkit.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 281 mentions in open access literature.

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

Huang M, et al. (2025) Goose multi-omics database: A comprehensive multi-omics database for goose genomics. Poultry science, 104(3), 104842.

Mengist MF, et al. (2025) Identification and functional characterization of BAHD acyltransferases associated with anthocyanin acylation in blueberry. Horticulture research, 12(5), uhaf041.

Liu X, et al. (2025) Functional validation to explore the protective role of miR-223 in Staphylococcus aureus-induced bovine mastitis. Journal of animal science and biotechnology, 16(1), 34.

Yang J, et al. (2025) The development of ideal insertion and deletion (InDel) markers and initial indel map variation in cucumber using re-sequenced data. BMC genomics, 26(1), 391.

Zhu C, et al. (2025) Global diversity and distribution of antibiotic resistance genes in human wastewater treatment systems. Nature communications, 16(1), 4006.

Tong L, et al. (2025) Functional characterization in Chimonobambusa utilis reveals the role of bHLH gene family in bamboo sheath color variation. Frontiers in plant science, 16, 1514703.

Liu X, et al. (2025) Multi-omics investigation of spontaneous T2DM macaque emphasizes gut microbiota could up-regulate the absorption of excess palmitic acid in the T2DM progression. eLife, 14.

White K, et al. (2025) Lactococcal phage-host profiling through binding studies between cell wall polysaccharide types and Skunavirus receptor-binding proteins. Microbial genomics, 11(4).

Luo P, et al. (2025) The first complete chloroplast genome sequence of Sterculia foetida Linnaeus (Malvaceae) and a comparative phylogenetic analysis. Mitochondrial DNA. Part B, Resources, 10(8), 731.

Shi J, et al. (2025) Dynamic epigenomic landscape and gene regulatory networks during embryonic development in Pacific white shrimp (Litopenaeus vannamei) as revealed by

histone modification profiling using CUT&Tag. *Epigenetics & chromatin*, 18(1), 50.

Tang B, et al. (2025) METTL3 and METTL14 drive pancreatic adenocarcinoma progression via m6A-dependent alternative splicing in PANC-1 cells. *Discover oncology*, 16(1), 1590.

Cui H, et al. (2025) Branched-chain amino acid metabolism supports Roseobacteraceae positive interactions in marine biofilms. *Applied and environmental microbiology*, 91(3), e0241124.

Huang Y, et al. (2025) The first complete mitochondrial genome assembly and comparative analysis of the fern Blechnaceae family: *Blechnopsis orientalis*. *Frontiers in plant science*, 16, 1534171.

Liu B, et al. (2024) Development of a 1-step multiplex PCR assay for the detection of *S. Enteritidis*, *S. Pullorum*, *S. Typhimurium*, and *S. Infantis* associated with poultry production. *Poultry science*, 103(9), 104043.

Gosain TP, et al. (2024) *Mycobacterium tuberculosis* strain with deletions in *menT3* and *menT4* is attenuated and confers protection in mice and guinea pigs. *Nature communications*, 15(1), 5467.

Chen W, et al. (2024) Mitogenomic phylogeny, biogeography, and cryptic divergence of the genus *Silurus* (Siluriformes: Siluridae). *Zoological research*, 45(4), 711.

Cao S, et al. (2024) Cytoplasmic genome contributions to domestication and improvement of modern maize. *BMC biology*, 22(1), 64.

Guo N, et al. (2024) A graph-based pan-genome of *Brassica oleracea* provides new insights into its domestication and morphotype diversification. *Plant communications*, 5(2), 100791.

Pires GP, et al. (2024) Effects of trimer repeats on *Psidium guajava* L. gene expression and prospection of functional microsatellite markers. *Scientific reports*, 14(1), 9811.

Arunima A, et al. (2024) CYP1B1-AS1 regulates CYP1B1 to promote *Coxiella burnetii* pathogenesis by inhibiting ROS and host cell death. *Research square*.