

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 31, 2026

NGSQC

RRID:SCR_005459

Type: Tool

Proper Citation

NGSQC (RRID:SCR_005459)

Resource Information

URL: <http://brainarray.mbni.med.umich.edu/brainarray/ngsqc/>

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Description: Software pipeline that provides a set of novel quality control measures for quickly detecting a wide variety of quality issues in deep sequencing data derived from two dimensional surfaces, regardless of the assay technology used. It also enables researchers to determine whether sequencing data related to their most interesting biological discoveries are caused by sequencing quality issues. NGSQC can help to ensure that biological conclusions, in particular those based on relatively rare sequences, are not caused by low quality sequencing., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: NGSQC

Synonyms: Next Generation Sequencing Quality Control, NGSQC: Next Generation Sequencing Quality Control

Resource Type: software resource

Defining Citation: [PMID:21143816](#)

Keywords: next generation sequencing, quality control

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: NGSQC

Resource ID: SCR_005459

Alternate IDs: OMICS_01064

Record Creation Time: 20220129T080230+0000

Record Last Update: 20260725T190604+0000

Ratings and Alerts

No rating or validation information has been found for NGSQC.

No alerts have been found for NGSQC.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 129 mentions in open access literature.

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

Wu J, et al. (2025) Posttranscriptional Control of Neural Progenitors Temporal Dynamics During Neocortical Development by Syncrip. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(8), e2411732.

Wu L, et al. (2025) Genome MLST scheme for tracing genetic diversity and multidrug resistance of food animal-derived *Clostridium perfringens*. *Current research in food science*, 11, 101149.

Wang H, et al. (2025) The Primary Cilia are Associated with the Axon Initial Segment in Neurons. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(9), e2407405.

Oraon PK, et al. (2025) A chromosome-scale reference assembly of *Vigna radiata* enables delineation of centromeres and telomeres. *Scientific data*, 12(1), 305.

Sun M, et al. (2025) The complete chloroplast genome of *Solanum melongena* 'Yunqie 9'. *Mitochondrial DNA. Part B, Resources*, 10(2), 103.

Wang J, et al. (2025) Stool carriage of CTX-M/CMY-producing *Salmonella enterica* in a Chinese tertiary hospital in Shenzhen, China. *Frontiers in cellular and infection microbiology*, 15, 1544757.

Xie G, et al. (2025) Molecular mapping of candidate genes in determining red color of perilla leaf. *Advanced biotechnology*, 3(1), 7.

Elfman J, et al. (2024) Discovery of a polymorphic gene fusion via bottom-up chimeric RNA prediction. *Nucleic acids research*, 52(8), 4409.

Sarmah K, et al. (2024) Molecular characterization of Mumps virus genotype C detected from Dibrugarh district of Assam, India. *The Indian journal of medical research*, 159(6), 663.

Chen Q, et al. (2024) LncRNA GTL2 regulates myoblast proliferation and differentiation via the PKA-CREB pathway in Duolang sheep. *Zoological research*, 45(6), 1261.

Liu L, et al. (2024) Therapeutic potential of Pien Tze Huang in colitis-associated colorectal cancer: mechanistic insights from a mouse model. *Cancer cell international*, 24(1), 250.

Wang Y, et al. (2024) Impaired neural circuitry of hippocampus in Pax2 nervous system-specific knockout mice leads to restricted repetitive behaviors. *CNS neuroscience & therapeutics*, 30(4), e14482.

Zhang Q, et al. (2024) Locus Coeruleus-Dorsolateral Septum Projections Modulate Depression-Like Behaviors via BDNF But Not Norepinephrine. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(10), e2303503.

Ma Z, et al. (2024) Morphologic, cytometric, quantitative transcriptomic and functional characterisation provide insights into the haemocyte immune responses of Pacific abalone (*Haliotis discus hannai*). *Frontiers in immunology*, 15, 1376911.

Qi F, et al. (2024) Genome-wide characterization of structure variations in the Xiang pig for genetic resistance to African swine fever. *Virulence*, 15(1), 2382762.

Wang D, et al. (2024) Disruption of TIGAR-TAK1 alleviates immunopathology in a murine model of sepsis. *Nature communications*, 15(1), 4340.

Ma WB, et al. (2024) ?The complete chloroplast genome of *Rhododendronambiguum* and comparative genomics of related species. *Comparative cytogenetics*, 18, 143.

Yang L, et al. (2024) Unravelling alternative splicing patterns in susceptible and resistant *Brassica napus* lines in response to *Xanthomonas campestris* infection. *BMC plant biology*, 24(1), 1027.

Liu B, et al. (2024) Prevalence and transmission of extensively drug-resistant *Salmonella enterica* serovar Kentucky ST198 based on whole-genome sequence in an intensive laying hen farm in Jiangsu, China. *Poultry science*, 103(6), 103608.

Liu L, et al. (2024) Qing Hua Chang Yin ameliorates chronic colitis in mice by inhibiting PERK-ATF4-CHOP pathway of ER stress and the NF- κ B signalling pathway. *Pharmaceutical biology*, 62(1), 607.