

Resource Summary Report

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SASqPCR

RRID:SCR_003056

Type: Tool

Proper Citation

SASqPCR (RRID:SCR_003056)

Resource Information

URL: <https://code.google.com/p/sasqpcr/>

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Description: All-in-one computer program for robust and rapid analysis of quantitative reverse transcription real-time polymerase chain reaction (RT-qPCR) data in SAS. It incorporates all functions important for RT-qPCR data analysis including assessment of PCR efficiencies, validation of internal reference genes and normalizers, normalization of confounding variations across samples and statistical comparisons of target gene expression in parallel samples. The program is highly automatic in data analyses and result output. The input data have no limitations for the number of genes or cDNA samples. Users can simply change the macro variables to test various analytical strategies, optimize results and customize the analytical processes. The program is also extendable allowing advanced SAS users to develop particular statistical tests appropriate for their experimental designs. Thus users are the actual decision-makers controlling RT-qPCR data analyses. The program has to be used in SAS software; however, extensive SAS programming knowledge is not required.

Synonyms: SASqPCR: robust and rapid analysis of RT-qPCR data in SAS

Resource Type: software resource

Defining Citation: [PMID:22238653](#)

Keywords: standalone software, computation, analysis, statistics, rt-qpcr, cdna, mrna, gene expression, quantification, reference gene, normalization, sas

Availability: Free, Available for download, Freely available

Resource Name: SASqPCR

Resource ID: SCR_003056

Alternate IDs: OMICS_02375

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260905T132457+0000

Ratings and Alerts

No rating or validation information has been found for SASqPCR.

No alerts have been found for SASqPCR.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Travers SS, et al. (2023) Breast cancer brain metastases localization and risk of hydrocephalus: a single institution experience. Journal of neuro-oncology.

Sun M, et al. (2022) The regulating pathway of creatine on muscular protein metabolism depends on the energy state. American journal of physiology. Cell physiology, 322(5), C1022.

Ching SC, et al. (2021) SLC17A3 rs9379800 and Ischemic Stroke Susceptibility at the Northern Region of Malaysia. Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association, 30(10), 105908.

Taha-Abdelaziz K, et al. (2019) In vitro assessment of immunomodulatory and anti-Campylobacter activities of probiotic lactobacilli. Scientific reports, 9(1), 17903.

Emam M, et al. (2015) The effect of immunological status, in-vitro treatment and culture time on expression of eleven candidate reference genes in bovine blood mononuclear cells. BMC immunology, 16, 33.

Ling D, et al. (2014) Accumulation of amyloid-like A β 1-42 in AEL (autophagy-endosomal-lysosomal) vesicles: potential implications for plaque biogenesis. ASN neuro, 6(2).