Resource Summary Report

Generated by NIF on Apr 27, 2025

BestKeeper

RRID:SCR_003380
Type: Tool

Proper Citation

BestKeeper (RRID:SCR_003380)

Resource Information

URL: http://www.gene-quantification.de/bestkeeper.html

Proper Citation: BestKeeper (RRID:SCR_003380)

Description: Excel-based tool using pair-wise correlations for determination of stable housekeeping genes, differentially regulated target genes and sample integrity. It determines the best suited standards, out of ten candidates, and combines them into an index. The index can be compared with further ten target genes to decide, whether they are differentially expressed under an applied treatment. All data processing is based on crossing points.

Abbreviations: BestKeeper

Resource Type: software resource

Defining Citation: PMID:15127793

Keywords: gene, excel, quantification, rt-qpcr, gene expression, target gene, differential expression

Funding:

Resource Name: BestKeeper

Resource ID: SCR_003380

Alternate IDs: OMICS_02318

Alternate URLs: http://bestkeeper.gene-quantification.info/

Old URLs: http://www.wzw.tum.de/gene-quantification/bestkeeper.html

Record Creation Time: 20220129T080218+0000

Record Last Update: 20250420T014141+0000

Ratings and Alerts

No rating or validation information has been found for BestKeeper.

No alerts have been found for BestKeeper.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1068 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Wolff C, et al. (2025) Insulin and leptin acutely modulate the energy metabolism of primary hypothalamic and cortical astrocytes. Journal of neurochemistry, 169(1), e16211.

Norton AM, et al. (2025) Deformed wing virus genotypes A and B do not elicit immunologically different responses in naïve honey bee hosts. Insect molecular biology, 34(1), 33.

Yuan Y, et al. (2025) Selection and Validation of Appropriate Reference Genes for qRT-PCR Analysis of Iris germanica L. Under Various Abiotic Stresses. Food science & nutrition, 13(1), e4765.

Przyby? BJ, et al. (2025) QRFP43 modulates the activity of the hypothalamic-pituitary-thyroid axis in female sheep. Scientific reports, 15(1), 1085.

Tóth O, et al. (2025) Identification of new reference genes with stable expression patterns for cell cycle experiments in human leukemia cell lines. Scientific reports, 15(1), 1052.

Zhang J, et al. (2025) Potential Strategies Applied by Metschnikowia bicuspidata to Survive the Immunity of Its Crustacean Hosts. Pathogens (Basel, Switzerland), 14(1).

Zeng C, et al. (2025) Autophagy mediated by ROS-AKT-FoxO pathway is required for intestinal regeneration in echinoderms. Cell communication and signaling : CCS, 23(1), 8.

Wu X, et al. (2025) Genome-Wide Identification, Phylogenetic Evolution, and Abiotic Stress

Response Analyses of the Late Embryogenesis Abundant Gene Family in the Alpine Cold-Tolerant Medicinal Notopterygium Species. International journal of molecular sciences, 26(2).

Hidvégi N, et al. (2024) Expression responses of XTH genes in tomato and potato to environmental mechanical forces: focus on behavior in response to rainfall, wind and touch. Plant signaling & behavior, 19(1), 2360296.

Rodrigues PADP, et al. (2024) Transcriptional signature of host shift in the seed beetle Zabrotes subfasciatus. Genetics and molecular biology, 47(1), e20230148.

Fotio Y, et al. (2024) NAAA-regulated lipid signaling in monocytes controls the induction of hyperalgesic priming in mice. Nature communications, 15(1), 1705.

Sun H, et al. (2024) Identification and validation of stable reference genes for RT-qPCR analyses of Kobresia littledalei seedlings. BMC plant biology, 24(1), 389.

Lai TH, et al. (2024) A comparative assessment of reference genes in mouse brown adipocyte differentiation and thermogenesis in vitro. Adipocyte, 13(1), 2330355.

Wu S, et al. (2024) Determination of internal controls for quantitative gene expression of Spodoptera litura under microbial pesticide stress. Scientific reports, 14(1), 6143.

Lee HJ, et al. (2024) Dataset for selection of stable reference genes for accurate quantitative gene expression analysis in silvertip tetra (Hasemania nana): Implications for sex differentiation and determination. Data in brief, 53, 110221.

Sounbuli K, et al. (2024) Tbp and Hprt1 Are Appropriate Reference Genes for Splenic Neutrophils Isolated from Healthy or Tumor-Bearing Mice. Biomedicines, 12(11).

Zhang X, et al. (2024) Functional Identification of miR2119 Targeting ADHs in Modulating Soybean Resistance to Heterodera glycines. Journal of agricultural and food chemistry, 72(39), 21461.

Mack T, et al. (2024) Benchmarking miRNA reference genes in B-cell precursor acute lymphoblastic leukemia. Scientific reports, 14(1), 26390.

Bedir Ö, et al. (2024) Transcriptomic alterations in the ovine caruncular endometrium due to imbalanced nutrition and FSH-induced ovarian hyperstimulation. BMC genomics, 25(1), 1216.

Wang Z, et al. (2024) Evaluation and Validation of Reference Genes for Gene Expression Analysis Using qRT-PCR in the Sugarcane Stem Borer Chilo sacchariphagus (Lepidoptera: Pyralidae). Insects, 15(8).