Resource Summary Report

Generated by PRECISE-TBI on Sep 8, 2026

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

Availability: Free, Available for download, Freely available

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: 20260905T132502+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 1188 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Nong VD, et al. (2026) Identification of stable internal reference genes for expression analysis in the liver and pancreas of diabetic mouse (Mus musculus L.) models under physiological, pathological and treatment conditions. PloS one, 21(1), e0338403.

Hibbert TM, et al. (2026) The longitudinal expression of P. aeruginosa reference genes in infection-mimicking media. Microbiology (Reading, England), 172(1).

Jo M, et al. (2026) Two-Step Algorithmic Selection of Interspecies Sequence-Mismatch-Based Housekeeping Genes for Precise Gene-Expression Assessment in PBMC-Humanized NSG Mice. ACS omega, 11(6), 9187.

Huang S, et al. (2026) Identification of a novel real-time PCR reference gene panel for EA.hy926 endothelial cells in different growth States and with DHA treatment. Scientific reports, 16(1), 2654.

Quarta R, et al. (2026) Best reference genes for unbiased normalized transcript expression in normal and dystrophic human cell models of myogenesis. PloS one, 21(3), e0344973.

Nicola-Llorente M, et al. (2026) Distinctive Behavior and Selective Modulation of PPAR?? by Pentacyclic Triterpenoid Pomolic Acid and Hederagenin from Rosa canina. Journal of agricultural and food chemistry, 74(18), 14376.

Ahmadipour B, et al. (2026) Crataegus oxyacantha Extract Enhances Cardiac Adaptation and Reduces Oxidative-Inflammatory Stress in Broiler Chickens Raised at High Altitude Under Cold Stress. Veterinary medicine and science, 12(4), e71029.

Demirsoy E, et al. (2026) Efficacy and safety evaluation of artificial intelligence-identified antimicrobial peptides targeting avian pathogenic Escherichia coli in broiler chickens. Journal of animal science and biotechnology, 17(1).

Ramsaran LN, et al. (2026) Investigation of gene stability in equine luteal tissue during mid-diestrus phase and early pregnancy - Research Article. BMC veterinary research.

Maravi J, et al. (2026) Validation of reference genes for RT-qPCR relative expression analysis during cyst-to-early adult development of Taenia solium. PLoS neglected tropical diseases, 20(1), e0013893.

Todorova B, et al. (2026) Matrix- and Differentiation Stage-Dependent Variability of Reference Genes: Rethinking Validation Strategies in 3T3-L1 Adipogenic Models. International journal of molecular sciences, 27(12).

Li X, et al. (2026) Reference Genes for Expression Analyses by RT-qPCR in Hyblaea puera (Lepidoptera: Hyblaeidae). Insects, 17(6).

Chen B, et al. (2026) Comparative Analysis of Full-Length Reference Gene Stability in Phoebe zhennan Under Primary Abiotic and Biotic Stresses. Plants (Basel, Switzerland), 15(11).

Gu X, et al. (2026) Selection and Validation of Stable Reference Genes for RT-qPCR in Diaphorencyrtus aligarhensis-A Predominant Parasitoid of Diaphorina citri. International journal of molecular sciences, 27(11).

Luo Q, et al. (2026) Transcriptome-Based Selection and Validation of Reference Genes for Gene Expression Analysis in Roegneria ciliaris 'Liao Sheng' Across Various Tissues and Under Drought Stress. Genes, 17(2).

Oliveira AGG, et al. (2026) Seasonal and Source-Associated Microbiome Dynamics in Brazilian Drinking Water. Microbial ecology, 89(1).

Barrio-Pujante A, et al. (2026) Auxin (Indole-3-acetic acid) modulation of quorum sensing enhances phage susceptibility in Klebsiella pneumoniae. European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology, 45(7), 2033.

Hasrak S, et al. (2026) Balancing act: transcriptomic, morphological, and biochemical insights into wheat endosperm development associated with bread quality. BMC plant biology, 26(1).

Antypas H, et al. (2026) Loss of Fsr quorum sensing promotes biofilm formation and worsens outcomes in enterococcal infective endocarditis. Nature communications, 17(1), 1668.

Zhao J, et al. (2026) Identification and Stability Assessment of Reference Genes in Helicoverpa armigera Under Plant Secondary Substance and Insecticide Stresses. Biology, 15(2).