

Resource Summary Report

Generated by T1D on Jul 31, 2026

BestKeeper

RRID:SCR_003380

Type: Tool

Proper Citation

BestKeeper (RRID:SCR_003380)

Resource Information

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

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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: 20260725T190539+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 1126 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

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.

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.

Antypas H, et al. (2025) Fsr quorum sensing system restricts biofilm growth and activates inflammation in enterococcal infective endocarditis. *bioRxiv : the preprint server for biology*.

Broggini C, et al. (2025) Plastic sex-trait modulation by differential gene expression according to social environment in male red deer. *BMC genomics*, 26(1), 160.

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.

de Souza LP, et al. (2025) microRNAs for qPCR Normalization Under Morphofunctional Conditions in Bovine Sperm (*Bos taurus*). *Molecular reproduction and development*, 92(8), e70045.

Sitko K, et al. (2025) Topical application of the HSP90 inhibitor 17-AAG reduces skin inflammation and partially restores microbial balance: implications for atopic dermatitis therapy. *Scientific reports*, 15(1), 21245.

Wang Y, et al. (2025) Integrative metabolomic and transcriptomic analyses reveal flavonoid biosynthesis pathway in *Eupatorium lindleyanum*. *Scientific reports*, 15(1), 43151.

Zhou X, et al. (2025) Genome-wide identification of the MADS-box gene family and their role in the formation of faba bean (*Vicia faba* L.) growth habits. *BMC plant biology*, 25(1), 1510.

Negi N, et al. (2025) Stability analysis of reference genes in *Maconellicoccus hirsutus* across various conditions including dsRNA treatment. *Scientific reports*, 15(1), 42614.

Botella J, et al. (2025) Sprint interval exercise disrupts mitochondrial ultrastructure driving a unique mitochondrial stress response and remodelling in men. *Nature communications*, 17(1), 71.

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.

Guelfi G, et al. (2025) The Autocrine Impact of Nerve Growth Factor on Sheep Uterine Epithelial Cells. *Cells*, 14(3).

Li L, et al. (2025) Selection and evaluation of reference genes for qRT-PCR in *Inonotus obliquus*. *Frontiers in microbiology*, 16, 1500043.

Danner C, et al. (2025) Act1 out of Action: Identifying Reliable Reference Genes in *Trichoderma reesei* for Gene Expression Analysis. *Journal of fungi (Basel, Switzerland)*, 11(5).

Xing L, et al. (2025) Reference genes selection and validation in yam by real-time quantitative polymerase chain reaction. *Scientific reports*, 15(1), 19947.

Ulecia-Morón C, et al. (2025) Chronic mild stress disrupts mitophagy and mitochondrial status in rat frontal cortex. *Journal of translational medicine*, 23(1), 580.

Ojeda DA, et al. (2025) Reference genes validation in tear fluid for RNA analysis in ocular surface disease. *Scientific reports*, 15(1), 24777.