

Resource Summary Report

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BoxPlotR

RRID:SCR_015629

Type: Tool

Proper Citation

BoxPlotR (RRID:SCR_015629)

Resource Information

URL: <http://shiny.chemgrid.org/boxplotr/>

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Description: Web tool written in R for generation of box plots with R packages shiny, beanplot4, vioplot, beeswarm and RColorBrewer, and hosted on shiny server to allow for interactive data analysis. Data are held temporarily and discarded as soon as session terminates. Represents both summary statistics and distribution of primary data. Enables visualization of minimum, lower quartile, median, upper quartile and maximum of any data set. Data matrix can be uploaded as file or pasted into application. May be downloaded to run locally or as virtual machine for VMware and VirtualBox.

Resource Type: data processing software, software resource, software application, web application, data visualization software

Defining Citation: [PMID:24481215](#)

Keywords: Box plot generation, customized box plot, data, plot, analysis

Funding: Wellcome Trust ;
WTCCB ;
ERC ;
Genome Québec International Recruitment Award

Availability: Free, Available for download, Freely available

Resource Name: BoxPlotR

Resource ID: SCR_015629

Alternate IDs: SCR_018327

Alternate URLs: <https://github.com/VizWizard/BoxPlotR.shiny>

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260805T044341+0000

Ratings and Alerts

No rating or validation information has been found for BoxPlotR.

No alerts have been found for BoxPlotR.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 360 mentions in open access literature.

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

Kořová H, et al. (2025) The fate and function of the Arabidopsis Class I formin AtFH1 during central vacuole biogenesis in the rhizodermis. *Frontiers in plant science*, 16, 1685260.

Poormassalehgoo A, et al. (2025) Optimization of selection agent concentrations and expanding G418 utility for gentamicin resistance in *Marchantia polymorpha*. *Scientific reports*, 15(1), 26836.

Terburgh K, et al. (2025) Hepatic bioenergetics and metabolism in mitochondrial disease: insights from the *Ndufs4* KO mouse model. *Metabolomics : Official journal of the Metabolomic Society*, 21(4), 76.

Tissera K, et al. (2025) Expansion of *cagA* Copy Number in *Helicobacter pylori* During Co-Infection in a Mouse Model. *Helicobacter*, 30(6), e70091.

Xue LJ, et al. (2025) Overexpression of plasma membrane SUT1 in poplar alters lateral sucrose partitioning in stem and promotes leaf necrosis. *Plant direct*, 9(3), e70023.

Jeyaram K, et al. (2025) Fermented foods affect the seasonal stability of gut bacteria in an Indian rural population. *Nature communications*, 16(1), 771.

Mou W, et al. (2025) Ethylene-independent modulation of root development by ACC via downregulation of *WOX5* and group I CLE peptide expression. *Proceedings of the National Academy of Sciences of the United States of America*, 122(6), e2417735122.

Jinno C, et al. (2025) Absciscic acid signaling regulates primary plasmodesmata density for plant cell-to-cell communication. *Science advances*, 11(19), eadr8298.

László Z, et al. (2025) Multiple Co-Infecting Caliciviruses in Oral Fluid and Enteric Samples of Swine Detected by a Novel RT-qPCR Assay and a 3'RACE-PCR-NGS

Method. Viruses, 17(2).

Kumar R, et al. (2025) Decapping activators Edc3 and Scd6 act redundantly with Dhh1 in post-transcriptional repression of starvation-induced pathways. *eLife*, 13.

Guiraud A, et al. (2025) SH3KBP1 promotes skeletal myofiber formation and functionality through ER/SR architecture integrity. *EMBO reports*, 26(8), 2166.

Bouatta AM, et al. (2025) Polarized subcellular activation of Rho proteins by specific ROPGEFs drives pollen germination in *Arabidopsis thaliana*. *PLoS biology*, 23(4), e3003139.

Cumagun CJR, et al. (2025) Metabolic profiling of endophytic fungi acting as antagonists of the banana pathogen *Colletotrichum musae*. *PloS one*, 20(1), e0310442.

Reid CE, et al. (2025) Characterization of bacteria colonizing the mucosal layer of the gastrointestinal tract of Atlantic salmon farmed in a warm water region. *Frontiers in microbiology*, 16, 1564052.

Lo KC, et al. (2025) map3k1 suppresses terminal differentiation of migratory eye progenitors in planarian regeneration. *PLoS genetics*, 21(3), e1011457.

Magazova A, et al. (2025) Circulating microRNAs demonstrate limited diagnostic potential for diabetic retinopathy in the population of Kazakhstan. *PeerJ*, 13, e19259.

Hao G, et al. (2025) Revisiting CPSF30-mediated alternative polyadenylation in *Arabidopsis thaliana*. *PloS one*, 20(2), e0319180.

Low J, et al. (2025) Heat-induced phosphatidylserine changes drive HSPA1A's plasma membrane localization. *Cell stress & chaperones*, 30(5), 100092.

Abdoli Z, et al. (2025) A novel colorimetric DNA sensor for rapid detection of feline panleukopenia virus using ZnFe₂O₄ nanoparticles and TMB modulation. *Scientific reports*, 15(1), 36031.

Mukherjee R, et al. (2025) Serine ubiquitination of SQSTM1 regulates NFE2L2-dependent redox homeostasis. *Autophagy*, 21(2), 407.