

Resource Summary Report

Generated by [ASWG](#) on Aug 4, 2026

BOXSHADE 3.21

RRID:SCR_007165

Type: Tool

Proper Citation

BOXSHADE 3.21 (RRID:SCR_007165)

Resource Information

URL: http://www.ch.embnet.org/software/BOX_form.html

Proper Citation: BOXSHADE 3.21 (RRID:SCR_007165)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on February 28,2023. This server takes a multiple-alignment file in either GCG's MSF-format or Clustals ALN-format. Sponsors: This resource was supported by the Swiss EMBnet Node Server. Keywords: Server, Multiple-alignment,, THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: BOXSHADE

Resource Type: topical portal, data or information resource, portal

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: BOXSHADE 3.21

Resource ID: SCR_007165

Alternate IDs: OMICS_19792, nif-0000-30211

Alternate URLs: <https://sources.debian.org/src/boxshade/>

Record Creation Time: 20220129T080240+0000

Record Last Update: 20260804T043317+0000

Ratings and Alerts

No rating or validation information has been found for BOXSHADE 3.21.

No alerts have been found for BOXSHADE 3.21.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 599 mentions in open access literature.

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

Li Q, et al. (2025) The Cul3 ubiquitin ligase engages Insomniac as an adaptor to impact sleep and synaptic homeostasis. PLoS genetics, 21(1), e1011574.

Chen W, et al. (2025) Distribution and potential involvement of PTEN in the innate immune response during viral infections in Cherry Valley ducks. Frontiers in immunology, 16, 1570872.

Feng Y, et al. (2025) Receptor deorphanization in starfish reveals the evolution of relaxin signaling as a regulator of reproduction. BMC biology, 23(1), 59.

Brown E, et al. (2024) Inhibitors of the small membrane (M) protein viroporin prevent Zika virus infection. eLife, 13.

Moreau T, et al. (2024) Evidence that the Bowman-Birk inhibitor from Pisum sativum affects intestinal proteolytic activities in chickens. Poultry science, 103(1), 103182.

Wang YC, et al. (2024) Ethylene-responsive VviERF003 modulates glycosylated monoterpenoid synthesis by upregulating VviGT14 in grapes. Horticulture research, 11(4), uhae065.

Kato D, et al. (2023) Analysis of the Toll and Spaetzle Genes Involved in Toll Pathway-Dependent Antimicrobial Gene Induction in the Red Flour Beetle, Tribolium castaneum (Coleoptera; Tenebrionidae). International journal of molecular sciences, 24(2).

Lord A, et al. (2023) Expanding on Our Knowledge of Ecdysozoan Genomes: A Contiguous Assembly of the Meiofaunal Priapulid Tubiluchus corallicola. Genome biology and evolution, 15(6).

Vetrova AA, et al. (2023) The evolutionary history of Brachyury genes in Hydrozoa involves duplications, divergence, and neofunctionalization. Scientific reports, 13(1), 9382.

Langridge PD, et al. (2022) Evolutionary plasticity in the requirement for force exerted by ligand endocytosis to activate C. elegans Notch proteins. Current biology : CB, 32(10), 2263.

Abdulaziz EN, et al. (2022) A natural fusion of flavodiiron, rubredoxin, and rubredoxin oxidoreductase domains is a self-sufficient water-forming oxidase of Trichomonas vaginalis. The Journal of biological chemistry, 298(8), 102210.

Luo W, et al. (2022) Genome-Wide Identification and Characterization of YUCCA Gene Family in Mikania micrantha. International journal of molecular sciences, 23(21).

Budayeva HG, et al. (2022) Phosphoproteome Profiling of the Receptor Tyrosine Kinase MuSK Identifies Tyrosine Phosphorylation of Rab GTPases. *Molecular & cellular proteomics* : MCP, 21(4), 100221.

Ambekar SV, et al. (2022) TurboID Identification of Evolutionarily Divergent Components of the Nuclear Pore Complex in the Malaria Model *Plasmodium berghei*. *mBio*, 13(5), e0181522.

Zhang YF, et al. (2022) Mutation of glucose-methanol-choline oxidoreductase leads to thermosensitive genic male sterility in rice and *Arabidopsis*. *Plant biotechnology journal*, 20(10), 2023.

Kellogg RM, et al. (2022) Adaptive responses of marine diatoms to zinc scarcity and ecological implications. *Nature communications*, 13(1), 1995.

Haddad AN, et al. (2022) Identification of a tachykinin receptor and its implication in carbohydrate and lipid homeostasis in *Rhodnius prolixus*, a chagas disease vector. *General and comparative endocrinology*, 320, 114010.

He Y, et al. (2022) Identification and characterization of the BEL1-like genes reveal their potential roles in plant growth and abiotic stress response in tomato. *International journal of biological macromolecules*, 200, 193.

Lakhwani D, et al. (2022) Genome wide identification of MADS box gene family in *Musa balbisiana* and their divergence during evolution. *Gene*, 836, 146666.

Zhang Y, et al. (2022) Somatostatin-type and allatostatin-C-type neuropeptides are paralogous and have opposing myoregulatory roles in an echinoderm. *Proceedings of the National Academy of Sciences of the United States of America*, 119(7).