

Resource Summary Report

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RiceGE

RRID:SCR_015061

Type: Tool

Proper Citation

RiceGE (RRID:SCR_015061)

Resource Information

URL: <http://signal.salk.edu/cgi-bin/RiceGE>

Proper Citation: RiceGE (RRID:SCR_015061)

Description: Gene database for Japonica rice. RiceGE is associated with SIGnAL at the Salk Institute.

Synonyms: RiceGE: Genome Express Database, Rice Functional Genomic Express Database

Resource Type: data or information resource, database

Keywords: japonica rice, rice, gene, genome

Availability: Freely available

Resource Name: RiceGE

Resource ID: SCR_015061

Alternate URLs: <http://signal.salk.edu/cgi-bin/RiceGE5>

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260829T183019+0000

Ratings and Alerts

No rating or validation information has been found for RiceGE .

No alerts have been found for RiceGE .

Data and Source Information

Usage and Citation Metrics

We found 87 mentions in open access literature.

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

Onishi A, et al. (2026) Knockout of a single aquaporin, OsPIP2;4, decreases root water permeability in rice. *Journal of plant research*, 139(2), 255.

Hu XW, et al. (2026) Activation of OsOxO2 by T-DNA Insertion Affects Plant Height and Leaf Angle in Rice. *Rice (New York, N.Y.)*, 19(1), 12.

Li Z, et al. (2025) IDD10-NAC079 transcription factor complex regulates sheath blight resistance by inhibiting ethylene signaling in rice. *Journal of advanced research*, 71, 93.

Gho YS, et al. (2025) Endonuclease Genes in Rice Are Involved in Phosphate Source Recycling by DNA Decay From??Phosphate Deprivation. *Physiologia plantarum*, 177(4), e70452.

Jiang Y, et al. (2025) Exploring FKBP12's Role in Enhancing Drought Tolerance in Rice. *Rice (New York, N.Y.)*, 18(1), 36.

Liu Z, et al. (2024) Expression profiling of ALOG family genes during inflorescence development and abiotic stress responses in rice (*Oryza sativa* L.). *Frontiers in genetics*, 15, 1381690.

Latif A, et al. (2024) The Receptor Kinases DRUS1 and DRUS2 Behave Distinctly in Osmotic Stress Tolerance by Modulating the Root System Architecture via Auxin Signaling. *Plants (Basel, Switzerland)*, 13(6).

Lim YJ, et al. (2024) Nuclear localization sequence of MoHTR1, a Magnaporthe oryzae effector, for transcriptional reprogramming of immunity genes in rice. *Nature communications*, 15(1), 9764.

Rahman MA, et al. (2023) Receptor for Activated C Kinase1B (RACK1B) Delays Salinity-Induced Senescence in Rice Leaves by Regulating Chlorophyll Degradation. *Plants (Basel, Switzerland)*, 12(12).

Guo X, et al. (2023) Cold-induced calreticulin OsCRT3 conformational changes promote OsCIPK7 binding and temperature sensing in rice. *The EMBO journal*, 42(1), e110518.

Kim SH, et al. (2023) OsMYB7 determines leaf angle at the late developmental stage of lamina joints in rice. *Frontiers in plant science*, 14, 1167202.

Kim SH, et al. (2023) Rice Basic Helix-Loop-Helix 079 (OsbHLH079) Delays Leaf Senescence by Attenuating ABA Signaling. *Rice (New York, N.Y.)*, 16(1), 60.

Wen P, et al. (2023) SET Domain Group 703 Regulates Planthopper Resistance by Suppressing the Expression of Defense-Related Genes. *International journal of molecular*

sciences, 24(16).

Wu T, et al. (2023) Activated Expression of Rice DMR6-like Gene OsS3H Partially Explores the Susceptibility to Bacterial Leaf Streak Mediated by Knock-Out OsF3H04g. *International journal of molecular sciences*, 24(17).

Zhao Y, et al. (2023) The miR167-OsARF12 module regulates rice grain filling and grain size downstream of miR159. *Plant communications*, 4(5), 100604.

Lin F, et al. (2023) GF14f gene is negatively associated with yield and grain chalkiness under rice ratooning. *Frontiers in plant science*, 14, 1112146.

Jing X, et al. (2022) Overexpression of OsHAK5 potassium transporter enhances virus resistance in rice (*Oryza sativa*). *Molecular plant pathology*, 23(8), 1107.

Lee SJ, et al. (2022) Natural alleles of CIRCADIAN CLOCK ASSOCIATED1 contribute to rice cultivation by fine-tuning flowering time. *Plant physiology*, 190(1), 640.

Lee YJ, et al. (2022) Differential Regulation of an OsIsPH1, the Functional 4-Hydroxy-3-Methylbut-2-Enyl Diphosphate Reductase, for Photosynthetic Pigment Biosynthesis in Rice Leaves and Seeds. *Frontiers in plant science*, 13, 861036.

Guo M, et al. (2022) OsDDM1b Controls Grain Size by Influencing Cell Cycling and Regulating Homeostasis and Signaling of Brassinosteroid in Rice. *Frontiers in plant science*, 13, 873993.