Resource Summary Report

Generated by NIF on May 25, 2025

Leaf Senescence Database

RRID:SCR_010227
Type: Tool

Proper Citation

Leaf Senescence Database (RRID:SCR_010227)

Resource Information

URL: http://www.eplantsenescence.org/

Proper Citation: Leaf Senescence Database (RRID:SCR_010227)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on August 26, 2019. Database of leaf senescence to collect SAGs, mutants, phenotypes and literature references. Leaf senescence has been recognized as the last phase of plant development, a highly ordered process regulated by genes called SAGs. By integrating the data from mutant studies and transgenic analysis, they collected many SAGs related to regulation of the leaf senescence in various species. Additionally, they have categorized SAGs according to their functions in regulation of leaf senescence and used standard criteria to describe senescence associated phenotypes for mutants. Users are welcome to submit the new SAGs.

Abbreviations: LSD

Resource Type: data repository, data or information resource, database, service resource, storage service resource

Defining Citation: PMID:24185698, PMID:21097471

Keywords: gene, mutant, leaf, phenotype, blast, plant development, sag

Related Condition: Senescence, Aging

Funding: Postdoctoral Fellowship at Peking-Tsinghua Center for Life Sciences ;
Ministry of Science and Technology of China 2009CB119101;
Ministry of Agriculture of China 2010ZX08010-002;
Natural Science Foundation of China 31071160;
China Postdoctoral Science Foundation 2012M520108;
China Postdoctoral Science Foundation 2013T60031

Availability: THIS RESOURCE IS NO LONGER IN SERVICE.

Resource Name: Leaf Senescence Database

Resource ID: SCR_010227

Alternate IDs: nlx_156775

Record Creation Time: 20220129T080257+0000

Record Last Update: 20250525T031112+0000

Ratings and Alerts

No rating or validation information has been found for Leaf Senescence Database.

No alerts have been found for Leaf Senescence Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Li P, et al. (2018) PpSARK Regulates Moss Senescence and Salt Tolerance through ABA Related Pathway. International journal of molecular sciences, 19(9).

Liu Y, et al. (2016) The antioxidative defense system is involved in the premature senescence in transgenic tobacco (Nicotiana tabacum NC89). Biological research, 49(1), 30.

Liu L, et al. (2016) W-box and G-box elements play important roles in early senescence of rice flag leaf. Scientific reports, 6, 20881.

Rinerson CI, et al. (2015) The WRKY transcription factor family and senescence in switchgrass. BMC genomics, 16, 912.

Lin M, et al. (2015) Global analysis of the Gossypium hirsutum L. Transcriptome during leaf senescence by RNA-Seq. BMC plant biology, 15, 43.

Huo X, et al. (2015) Identification of miRNAs associated with dark-induced senescence in Arabidopsis. BMC plant biology, 15, 266.

Li Z, et al. (2014) LSD 2.0: an update of the leaf senescence database. Nucleic acids research, 42(Database issue), D1200.