SoyBase

RRID:SCR_005096
Type: Tool

Proper Citation

SoyBase (RRID:SCR_005096)

Resource Information

URL: http://soybase.org

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Description: Professionally curated repository for genetics, genomics and related data resources for soybean that contains the most current genetic, physical and genomic sequence maps integrated with qualitative and quantitative traits. SoyBase includes annotated Williams 82 genomic sequence and associated data mining tools. The genetic and sequence views of the soybean chromosomes and the extensive data on traits and phenotypes are extensively interlinked. This allows entry to the database using almost any kind of available information, such as genetic map symbols, soybean gene names or phenotypic traits. The repository maintains controlled vocabularies for soybean growth, development, and traits that are linked to more general plant ontologies. Contributions to SoyBase or the Breeder’s Toolbox are welcome.

Abbreviations: SoyBase

Synonyms: SoyBase and the Soybean Breeder’s Toolbox, SoyBase and the Soybean Breeder’s Toolbox: Integrating Genetics and Molecular Biology for Soybean Researchers

Resource Type: storage service resource, database, analysis service resource, service resource, ontology, data or information resource, data repository, production service resource, data analysis service, controlled vocabulary

Defining Citation: PMID:20008513
**Keywords**: soybean, gene, genetic map, genome, data set, trait, phenotype, molecular biology, sequence, chromosome, quantitative trait locus, php, genetics, genomics, legume, bio.tools, FASEB list

**Funding Agency**: USDA Agricultural Research Service

**Availability**: The community can contribute to this resource

**Resource Name**: SoyBase

**Resource ID**: SCR_005096

**Alternate IDs**: nif-0000-03483, biotools:soybase

**Alternate URLs**: https://bio.tools/soybase

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**Ratings and Alerts**

No rating or validation information has been found for SoyBase.

No alerts have been found for SoyBase.

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**Data and Source Information**

**Source**: SciCrunch Registry

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**Usage and Citation Metrics**

We found 493 mentions in open access literature.

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

Lin J, et al. (2023) RNA-Seq Dissects Incomplete Activation of Phytoalexin Biosynthesis by the Soybean Transcription Factors GmMYB29A2 and GmNAC42-1. Plants (Basel, Switzerland), 12(3).

Li W, et al. (2023) Soybean ZINC FINGER PROTEIN03 targets two SUPEROXIDE DISMUTASE1s and confers resistance to Phytophthora sojae. Plant physiology, 192(1), 633.

Zhao X, et al. (2023) Combined analysis of the metabolome and transcriptome provides insight into seed oil accumulation in soybean. Biotechnology for biofuels and bioproducts, 16(1), 70.
Qin C, et al. (2023) GmEID1 modulates light signaling through the Evening Complex to control flowering time and yield in soybean. Proceedings of the National Academy of Sciences of the United States of America, 120(15), e2212468120.


Kim WJ, et al. (2023) A Genome-Wide Association Study of Protein, Oil, and Amino Acid Content in Wild Soybean (Glycine soja). Plants (Basel, Switzerland), 12(8).


Shen X, et al. (2022) Genome-Wide Identification, Expression and Interaction Analysis of
GmSnRK2 and Type A PP2C Genes in Response to Abscisic Acid Treatment and Drought Stress in Soybean Plant. International journal of molecular sciences, 23(21).

