

# Welcome to the Literature Tutorial

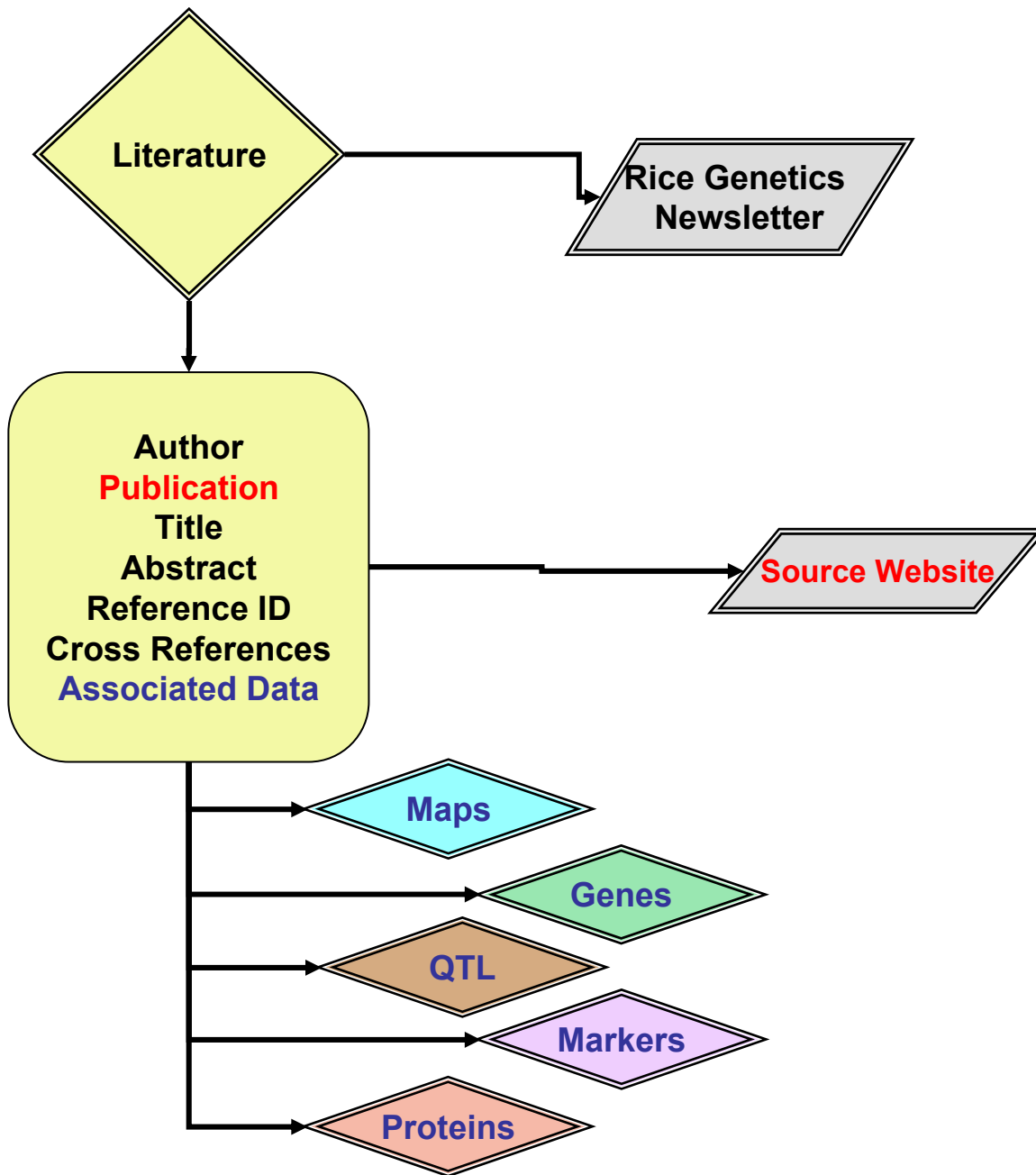


Literature searches are a good option for beginning your Gramene search.

This tutorial will describe how to search for citations on rice, as well as other species in this database.

Literature search results provide links to publication sources and other Gramene databases where available.





# Tutorial Help



The hand icon indicates a link that allows you to go to the same page in your web browser.



If you are viewing this tutorial with Adobe Acrobat Reader, click the "bookmarks" on the left hand side of the Reader for easier navigation.

Action Options are noted in this type of font.

*Notes or comments use this style font.*



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search b

**Quick Start**

enced genomes for [Rice](#), [Maize](#) & [Arabidopsis](#); Look for [rice/maize](#) with [GrameneMart](#); Search for sequence alignment with [BLAST](#);

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physical maps for [Rice](#), [Maize](#), [wheat](#), [Barley](#), [Oats](#), [Sorghum](#), and [Comparative Map Viewer \(CMap\)](#) to compare maps of different

Identification Tool ([SSRIT](#)); or [Sorghum](#) and [Others](#).

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- [Plant and Animal Genome XIV Conference](#), January 14-18, 2006, San Diego

**Click here to open literature search**



# Literature Home Page

Literature Home | [Rice Genetics Newsletters](#) | [Tutorial](#) | [FAQ](#)

Links to **FAQ** for Literature

Links to **RGN** volumes 1-20

## Literature search

for publications:

2. Click here to conduct **search**

[ e.g. [Wessler S](#) rice genome, [Rice Genetics Newsletter](#) ]

Links to Literature **tutorial**

1. Enter **search term** here.

The literature database at [Oryza](#) provides access to citations on rice (*Oryza* sp.) in general and some additional references cited as cross references carry a cross reference to the source such as [PubMed](#) or the Journal's website for complete citation.

also shows an association to the Gramene DB objects such as protein / genes & alleles (mutants) / back to the respective [Oryza](#) object. [Example]

## Search help

- Enter one or more search terms.
- Enter author names as "wessler sr", "wessler s", or "wessler". Initials are optional.
- Enter journal titles.

# Literature Search Results

## Literature search

Publications:

[ e.g. [Wessler SR](#) , [rice genome](#) , [Rice Genetics Newsletter](#) ]

Items 1 to 20 of 270. Page 1 of 14. | [Next](#)

1. [Doust-A-N, Devos-K-M, Gadberry-M-D, Gale-M-D, Kellogg-E-A](#)

The genetic basis for inflorescence variation between foxtail and green millet  
[Genetics](#), 2005, vol.169, pp1659-1672 [\(More info\)](#)



2. [Feschotte-C, Osterlund-M-T, Peeler-R, Wessler-S-R](#)

DNA binding specificity of rice mariner-like transposases and interactions with Stowaway  
[Nucleic acids research](#), 2005, vol.33, pp2153-2165

3. [Schaefer-Wieloch-W, Stougaard-J](#)

Evolution of NIN-like proteins in Arabidopsis  
[Genetics](#), 2005, vol.60, pp229-238

4. [Wessler-S-R](#)

Genetic control of drought sensitivity in rice: identification of a genetic (QTL) map with the  
[Genetics](#), 2005, pp382-388 [\(More info\)](#)

5. [Wisser-R-J, Sun-Q, Hulbert-S-H, Kresovich-S, Nelson-R-J](#)

Identification and Characterization of Regions of the **Rice Genome** Associated with Broad-Spectrum, Quantitative Disease Resistance [\(More info\)](#)  
[Genetics](#), 2005

There are 270 **results** for this search, with 20 shown on each page.

There are 14 pages of results, and clicking on "next" will open the **next page**.

Click here for more information on this article.

Linked publication titles open that **publication's website**.

Clicking on author's name lets you view **other articles** in Gramene by that author.





## More Info

[Literature Home](#) | [Rice Genetics Newsletters](#) | [Tutorial](#) | [FAQ](#)

### Literature search


Search for publications:

Search

Gramene's ID for  
that reference

[ [Wessler SR](#) , [rice genome](#) , [Rice Genetics Newsletter](#) ]

### Search result

<b>Reference ID</b>	9468
<b>Title</b>	The genetic basis for inflorescence variation between foxtail and green millet (poaceae)
<b>Source</b>	<a href="#">Genetics</a> , 2005, 169, pp.1659-1672
<b>Authors</b>	<a href="#">Doust-A-N</a> , <a href="#">Devos-K-M</a> , <a href="#">Gadberry-M-D</a> , <a href="#">Gale-M-D</a> , <a href="#">Kellogg-E-A</a>
<b>Abstract</b>	Grass species differ in many aspects of inflorescence architecture, but in most cases the genetic basis of the morphological difference is unknown. To investigate the genes underlying the morphology in one such instance, we undertook a developmental and QTL analysis of inflorescence differences between the cereal grain foxtail millet and its presumed progenitor green millet. Inflorescence differences between these two species are the result of changes in primary branch number and density, spikelet number, and bristle (sterile branchlet) number; these differences also account for inflorescence variation within the clade of 300+ species that share the presence of bristles in the inflorescence. Fourteen replicated QTL were detected for the four inflorescence traits, and these are suggested to represent genes that control differences between the species. Comparative mapping using common markers from rice and maize allowed a number of candidate genes from maize to be localized to QTL regions in the millet genome. Searches of regions of the sequenced rice genome orthologous to QTL regions on foxtail millet identified a number of transcription factors and hormone pathway genes that may be involved.
<b>Cross-reference</b>	

Click here to link to  
cross-referenced  
resources.

**Please note:**

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Literature search


Search for publications:

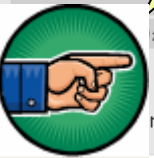
[ e.g. [Wessler SR](#) , [rice genome](#) , [Rice Genetics Newsletter](#) ]

Search result

Reference ID	9472
Title	Identification of three shikimate kinase genes in rice: characterization of their differential expression during panicle development and of the enzymatic activities of the encoded proteins
Source	<a href="#">Planta</a> , 2005
Authors	<a href="#">Kobayashi T</a> , <a href="#">Miyazaki Y</a> , <a href="#">Miyazaki Y</a> , <a href="#">Miyazaki Y</a> , <a href="#">Miyazaki Y</a> , <a href="#">Miyazaki Y</a>
Abstract	...romatic amino acids and that of various secondary ...yzes the phosphorylation of shikimate to yield ...s of enzymes that participate in the shikimate pathway ...As corresponding to three SK genes-OsSK1, OsSK2, ...de proteins with different NH(2)-terminal regions and ...er plant and microbial SK proteins. An in vitro assay of ...chloroplasts isolated from pea ( <i>Pisum sativum</i> ) seedlings revealed that the full-length forms of the ...three ...s are translocated into chloroplasts and processed, consistent with the assumption that the different ...NH...sequences function as chloroplast transit peptides. The processed forms of all three rice proteins ...s in vitro manifested SK catalytic activity. Northern blot analysis revealed that the expression of OsSK1 and ...s induced in rice calli by treatment with the elicitor N-acetylchitoheptaose, and that expression of OsSK1 and ...was up-regulated specifically during the heading stage of panicle development. These results suggest that ...ential expression of the three rice SK genes and the accompanying changes in the production of shikimate 3-...osphate may contribute to the defense response and to panicle development in rice.

When a reference article shows an association to Gramene DB objects it will be linked here

Cross-reference  [Data](#) [Proteins \(3\)](#) [Genes \(3\)](#)



Reference ID	9472								
Title	Identification of three shikimate kinase genes in rice: characterization of their differential expression during panicle development and of the enzymatic activities of the encoded proteins								
Associated Gene	<table border="1"> <thead> <tr> <th>Accession</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td><a href="#">GR:0100111</a></td> <td>Shikimate kinase-1</td> </tr> <tr> <td><a href="#">GR:0100112</a></td> <td>Shikimate kinase-2</td> </tr> <tr> <td><a href="#">GR:0100113</a></td> <td>Shikimate kinase-3</td> </tr> </tbody> </table>	Accession	Name	<a href="#">GR:0100111</a>	Shikimate kinase-1	<a href="#">GR:0100112</a>	Shikimate kinase-2	<a href="#">GR:0100113</a>	Shikimate kinase-3
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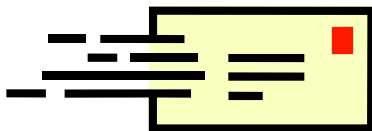
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