

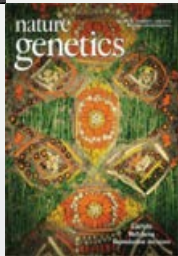
生物學研究之重要資源

Biological Science Database & Medline



<http://search.proquest.com>





Biological Science Database

- 目前收錄約1千7百多種出版品資源, 其中以學術期刊為主 (將近1千6百多種)
- 該資料庫已包含過去以下29個子資料庫之內容:

Algology Mycology & Protozoology Abstracts (Microbiology C)	Calcium & Calcified Tissue Abstracts	Industrial & Applied Microbiology Abstracts (Microbiology A)
Animal Behavior Abstracts	Chemoreception Abstracts	MEDLINE®
Aquatic Science & Fisheries Abstracts (ASFA) 1: Biological Sciences & Living Resources	Conference Papers Index	Neurosciences Abstracts
Aquatic Science & Fisheries Abstracts (ASFA) Aquaculture Abstracts	Ecology Abstracts	Nucleic Acids Abstracts
Aquatic Science & Fisheries Abstracts (ASFA) Marine Biotechnology Abstracts	Endocrinology Abstracts	Oncogenes & Growth Factors Abstracts
Bacteriology Abstracts (Microbiology B)	Entomology Abstracts	Plant Science
Biochemistry Abstracts 1	Genetics Abstracts	Toxicology Abstracts
Biochemistry Abstracts 3	Health & Safety Science Abstracts	TOXLINE
Biological Science Journals	Human Genome Abstracts	Virology & AIDS Abstracts
Biotechnology Research Abstracts	Immunology Abstracts	

Medline



- 由美國國家醫學圖書館所建置 (National Library of Medicine, NLM)
- 收錄超過2千3百萬篇來自世界各地約5千6百多種生物醫學相關出版品之書目資料庫。它涵蓋大約40種語言，所收錄的內容年代著重在1946年到現在。其書目資料主要來源除了學術期刊之外，還包含了少部分的報紙、雜誌、新聞簡報等。書目資料每日不斷增加中



U.S. National Library of Medicine

Medline



- 為PubMed之核心資源
- 據統計, 該資料庫2010年及之後, 大約超過40%的內容來自美國所出版之出版物, 93%是英文文章, 85%擁有由作者所撰寫之英文摘要
- 所有文章均加上醫學標題 (Medical Subject Headings, 簡稱MeSH), 以協助使用者更精確的找到所需文章

Medical Subject Headings, 簡稱 MeSH

- 全稱:「Medical Subject Headings」, 一套生物醫學領域的主題詞表, 是一種索引典, 每個主題詞 (以下稱 MeSH Term) 代表特定的主題範疇。
- 建置單位: 美國國家醫學圖書館(NLM)。
- MeSH 主要用途: 從兩種角度來說
 - 組織文獻: 用於標示文獻內容主題。專家閱讀文獻後, 根據內容, 標註適當的 MeSH Terms。
 - 查詢文獻: 使用者可透過 MeSH Terms 查詢文獻。

舉例

摘要 翻譯

隱藏反白

Our knowledge in the genetic basis of hereditary human **cancer** has improved over the last 10 years. Molecular diagnoses have become feasible in major hereditary **cancer**-prone syndromes, as well as in other hereditary diseases in which **cancer** appears as symptoms or complications. The major **cancer**-prone syndromes are described here with a table summarizing the links between various **cancer** types and the genetic syndromes to which they could belong. Clinicians should be aware of these new diagnostic tools. Specific consultations in oncogenetics are being settled to help clinicians and patients in the course of establishing molecular diagnoses, and providing guidelines for a better surveillance of high-risk persons.

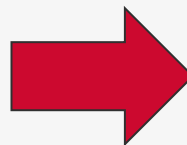
詳細資料

期刊分類

Index Medicus

MeSH 主題

Genetics, Medical;
Humans;
Medical History Taking;
Medical Oncology;
Molecular Biology;
Practice Guidelines as Topic;
Referral and Consultation;
Surveys and Questionnaires;
Genetic Predisposition to Disease – genetics (主要);
Genetic Testing – methods (主要);
Genetic Testing – standards;
Neoplastic Syndromes, Hereditary – diagnosis (主要);
Neoplastic Syndromes, Hereditary – epidemiology;
Neoplastic Syndromes, Hereditary – genetics;
Patient Selection (主要)



有標註「主要」號的
「MeSH Terms」，為文中
主要探討的內容；未標註
「主要」表示為次要主題。

ProQuest

檢索平台介紹



ProQuest平台

簡易檢索技巧:

- A **and** B / A(空格)B: 結果中必須都含有A及B兩字詞
- A **or** B: 結果中要有A或是B或是兩者皆有
- A **not** B: 結果中要有A但不能有B這個字詞
- “A B”: 結果必須含有A、B兩字詞且完全符合(A,B緊鄰未拆開)

問號? (用來取代任一個單一字元,可以使用多個?號來代表多個字元)

nurse?	結果: nurses、nursed, 但不是 nurse
sm?th	結果: smith 和 smyth
ad???	結果: added、adult、adopt

星號* (代表0至多個字元)

nurse*	結果: nurse、nurses、nursed
colo*r	結果: colour、color
*old	結果: told、household、bold

ProQuest平台

The screenshot shows the ProQuest website interface for the Biological Science Database. A red speech bubble points to the user profile icon in the top right corner, with the text "可以選擇所要的語言介面" (You can choose the language interface you want). Another red box highlights the "中文(繁體)" (Chinese Traditional) option in the language selection dropdown menu.

ProQuest

所有資料庫 > 科學與技術資料庫 > Biological Science Database | 變更資料庫

Biological Science Database

基本檢索 進階檢索 出版物

■ 全文 ■ 同儕評審 ⓘ

This database includes the renowned Biological Sciences, MEDLINE, and TOXLINE databases and provides full-text access to a wide range of resources around the world including, scholarly journals, trade and industry journals, magazines, technical reports, conference proceedings, government publications, and more. For those researchers who need to conduct comprehensive literature review, this database includes specialized, editorial-controlled A&I resources for discovery of relevant scholarly research and technical information critical to the discipline.

涵蓋範圍: 1946 - 目前

[檢視標題清單](#)

學科涵蓋範圍

- AIDS
- Algology
- Amino acids
- Animal behavior
- Aquaculture
- Aquatic organisms
- Bacteriology
- Bioengineering

包含的資料庫

- MEDLINE® ⓘ
- TOXLINE ⓘ

以及部份

Biological Science Database 也可以做為下列項目的檢索：

Select language

- العربية
- Bahasa Indonesia
- Čeština
- Deutsch
- Español
- Français
- 한국어
- Italiano
- Magyar
- 日本語
- Norsk
- Polski
- Português (Brasil)
- Português (Portugal)
- Русский
- ไทย
- Türkçe
- 中文(简体)
- 中文(繁體)

登入 [我的檢索]

結束 ProQuest

中文(繁體)

ProQuest平台

最簡單的方法就是直接在
這裏輸入查詢關鍵詞

是否限定要有全文

是否限定須是Peer
Reviewed的內容

The screenshot shows the ProQuest Biological Science Database interface. At the top, the ProQuest logo is on the left, and navigation links for '所有資料庫', '科學與技術資料庫', 'Biological Science Database', and '變更資料庫' are on the right. Below this, the 'Biological Science Database' title is centered, with buttons for '基本檢索', '進階檢索', and '出版物'. A large search bar is in the center, with a magnifying glass icon on the right. Below the search bar, there are two radio buttons: '全文' (All) and '同儕評審' (Peer Reviewed), both of which are circled in red. To the right of the search bar is a '檢索提示' (Search Tips) link. Below the search bar, there are sections for '學科涵蓋範圍' (Disciplinary Coverage) and '包含的資料庫' (Included Databases). The '學科涵蓋範圍' section lists various biological topics. The '包含的資料庫' section lists MEDLINE and TOXLINE. Below these are sections for '以及部份' (And parts) and '檢索提示' (Search Tips). The '檢索提示' section provides instructions on how to use the search bar, including using quotation marks for exact phrases and OR for multiple terms.

ProQuest

所有資料庫 > 科學與技術資料庫 > Biological Science Database | 變更資料庫

Biological Science Database

基本檢索 進階檢索 出版物

全文 同儕評審

檢索提示

想要瞭解更多資訊？

嘗試下列其中一個選項：

- 檢索線上說明。
- 探索ProQuest的產品支援中心常見問題的解答。
- 聯絡支援 如果您需要進一步協助。

檢索提示

根據預設，我們會尋找具有所有已輸入術語的文件。

使用“引號”檢索確切片語。

使用 OR 分隔術語可尋找任一已輸入的字詞。

學科涵蓋範圍

- AIDS
- Algalogy
- Amino acids
- Animal behavior
- Aquaculture
- Aquatic organisms
- Bacteriology
- Bioengineering

包含的資料庫

- MEDLINE®
- TOXLINE

以及部份

Biological Science Database 也可以做為下列項目一部份進行檢索：

範例：

- 老王正在做抗菌劑與耐藥性的相關研究
- 抗菌劑 (*antimicrobial agent*)
- 耐藥性 (drug resistance)

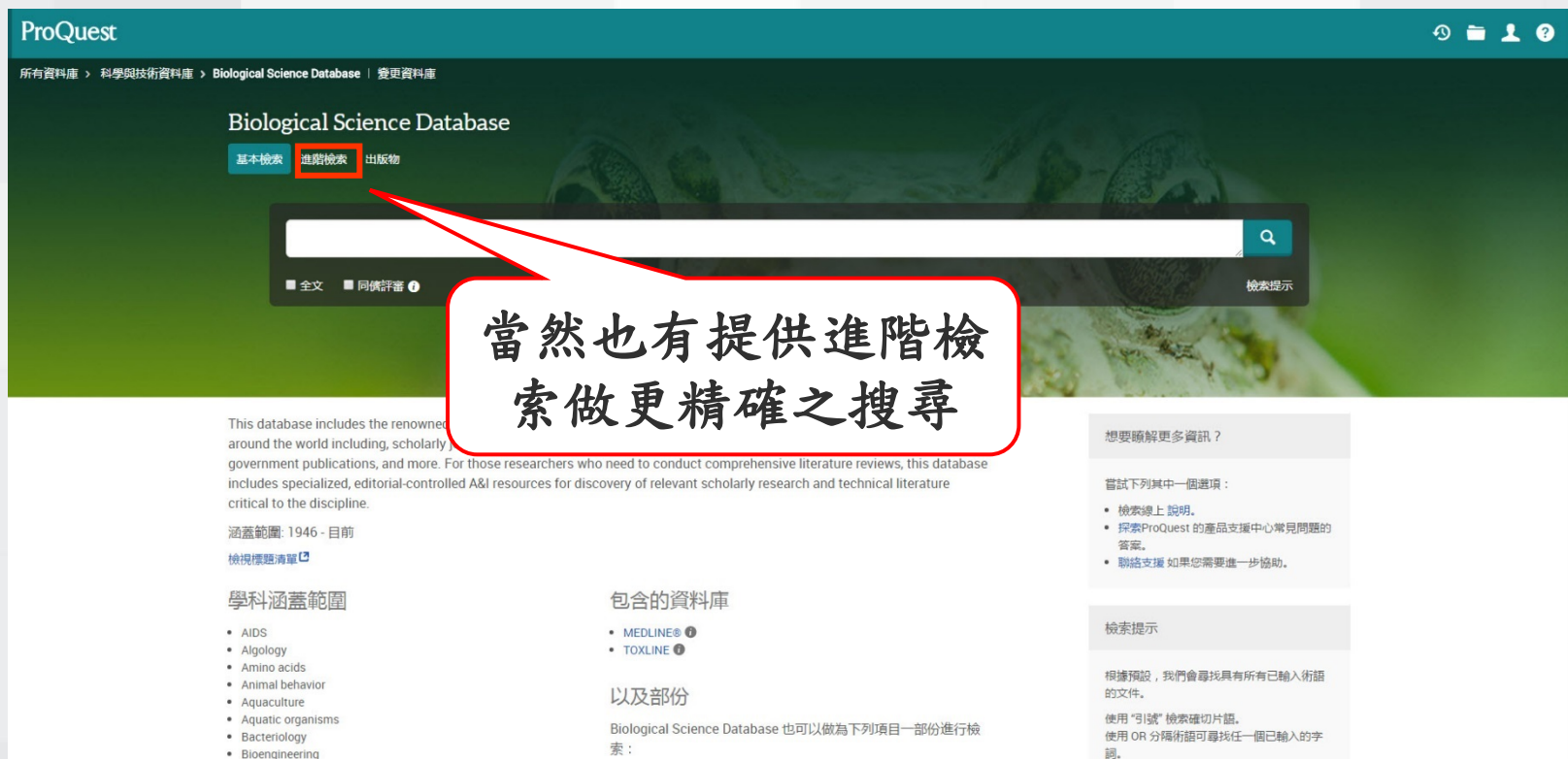
請利用上述兩組關鍵字在資料庫中進行查詢

練習題



- 絡石：*Trachelospermum jasminoides*
- 鎮痛：Analgesic
- 我想找Trachelospermum jasminoides 但是與Analgesic 不相關的文獻。

ProQuest平台



The screenshot shows the ProQuest website interface for the Biological Science Database. At the top, the ProQuest logo is on the left, and navigation icons are on the right. Below the logo, a breadcrumb trail reads: 所有資料庫 > 科學與技術資料庫 > Biological Science Database | 變更資料庫. The main heading is 'Biological Science Database'. Below this, there are three buttons: '基本檢索' (Basic Search), '進階檢索' (Advanced Search), and '出版物' (Publications). The '進階檢索' button is highlighted with a red box, and a red arrow points from it to a callout box. The callout box contains the text: 當然也有提供進階檢索做更精確之搜尋. Below the buttons is a search bar with a magnifying glass icon and a '檢索提示' (Search Tips) link. Below the search bar, there are two columns of text. The left column describes the database's scope, mentioning that it includes renowned journals, government publications, and more, and that it is critical to the discipline. It also mentions the coverage range from 1946 to the present. The right column lists the included databases: MEDLINE® and TOXLINE®, and mentions that the database can also be searched by subject. On the far right, there are two sections: '想要瞭解更多資訊?' (Want to know more?) and '檢索提示' (Search Tips). The '檢索提示' section provides instructions on how to use the search bar, including using quotation marks for exact phrases and OR for multiple terms.

ProQuest

所有資料庫 > 科學與技術資料庫 > Biological Science Database | 變更資料庫

Biological Science Database

基本檢索 進階檢索 出版物

全文 同儕評審 ⓘ

檢索提示

當然也有提供進階檢索做更精確之搜尋

This database includes the renowned journals, government publications, and more. For those researchers who need to conduct comprehensive literature reviews, this database includes specialized, editorial-controlled A&I resources for discovery of relevant scholarly research and technical literature critical to the discipline.

涵蓋範圍: 1946 - 目前

[檢視標題清單](#)

學科涵蓋範圍

- AIDS
- Algalogy
- Amino acids
- Animal behavior
- Aquaculture
- Aquatic organisms
- Bacteriology
- Bioengineering

包含的資料庫

- MEDLINE® ⓘ
- TOXLINE ⓘ

以及部份

Biological Science Database 也可以做為下列項目一部份進行檢索：

想要瞭解更多資訊？

嘗試下列其中一個選項：

- 檢索線上說明。
- 探索ProQuest 的產品支援中心常見問題的答覆。
- 聯絡支援 如果您需要進一步協助。

檢索提示

根據預設，我們會尋找具有所有已輸入術語的文件。

使用“引號”檢索確切片語。

使用 OR 分隔術語可尋找任一個已輸入的字詞。

ProQuest平台

以洋桔梗
(*lisianthus*) 為例

左方提供多種選項來縮
小所搜尋出來的結果

Biological Science Database

基本檢索 進階檢索 出版物 瀏覽

lisianthus

☐ 全文 ☐ 同儕評審

3,312 個結果 281 Ebrary e-books

您的意思是: *amianthus*

結果裡再檢索

關聯性

排序

縮小結果範圍

全文

同儕評審

來源類型

☐ 報紙 (2,162)

☐ 學術期刊 (527)

☐ 典藏報紙 (146)

☐ 雜誌 (127)

縮小結果範圍

全文

同儕評審

來源類型

☐ 報紙 (2,162)

☐ 學術期刊 (527)

☐ 典藏報紙 (146)

☐ 雜誌 (127)

☐ 商業期刊 (122)

更多選項...

來源類型

☐ 報紙 (2,162)

☐ 學術期刊 (527)

☐ 典藏報紙 (146)

☐ 雜誌 (127)

☐ 商業期刊 (122)

更多選項...

出版日期

1833 - 2016 (十年)

輸入日期範圍

更新

出版物名稱

文件類型

主題

分類

公司/組織

地點

語言

資料庫

修改檢索 檢索歷史 儲存檢索/新通知

引用 電子郵件 列印 儲存

簡單檢視 詳細檢視

ing *lisianthus* in Florida

134.

is, leaf

leaf

預覽

us

79.

ev in

iruses,

預覽

aiwan

練習題

- 
- 淡水螃蟹 : freshwater crab
 - 中國 : China
 - 來源類型 : 學術期刊
 - 出版時間 : 2014-2016
 - 限定要有全文
 - 篇數約有幾篇 ?

練習題

- 
- 蝾螈: Salamander
 - 台灣: Taiwan
 - 來源類型: 學術期刊
 - 出版品名稱: Plos One
 - 出版時間: 2012-2016
 - 限定要有全文
 - 篇數約有幾篇?

ProQuest平台

ProQuest

所有資料庫 > 科學與技術資料庫 > Biological Science Database | 變更資料庫

Biological Science Database

基本檢索 進階檢索 出版物 瀏覽

lisianthus

☐ 全文 ☐ 同儕評審

相關檢索 flowers & plants flowers & plants AND florist

2 個結果 281 Ebrary e-books

結果裡再檢索

關聯性 排序

縮小結果範圍

套用的篩選

清除所有篩選

全文:

已包含全文 ☒

來源類型:

學術期刊 ☒

出版日期: 2010-2019

> 2016

> 七月

全文

已包含全文 (2)

摘要 (摘要)

In soybean, flavonoid 3'-hydroxylase (F3'H) and dihydroflavonol-4-reductase (DFR) play a crucial role in the production of anthocyanin pigments. Loss-of-function of the W1 locus, which encodes the former, or W3 and W4, which encode the latter, always produces white flowers. In this study, we searched for new genetic components responsible for the production of white flowers in soybean and isolated four white-flowered mutant lines, i.e., two Glycine soja accessions (CW12700 and CW13381) and two EMS-induced mutants of Glycine max (PE1837 and PE636). F3'H expression in CW12700, PE1837, and PE636 was normal, whereas that in CW13381 was aberrant and missing the third exon. Sequence analysis of F3'H of CW13381 revealed the presence of an indel (~90-bp AT-repeat) in the second intron. In addition, the F3'H of CW12700, PE1837, and PE636 harbored unique single-nucleotide substitutions. The single nucleotide polymorphisms resulted in substitutions of amino acid residues located in or near the SRS4 domain of F3'H, which is essential for substrate recognition. 3D structure modeling of F3'H indicated that the substitutions could interfere with an interaction between the substrate and heme group and compromise the conformation of the active site of F3'H. Recombination analysis revealed a tight correlation between all of the mutant alleles ...

主題

Flowers & plants;

Mutation;

Soybeans;

Gardens & gardening

發現於:

17 個資料庫 檢視清單

儲存至 [我的檢索]

電子郵件

列印

引用

匯出/儲存

選擇 1-2 0 個選擇的項目

簡單檢視 詳細檢視

1 Identification and Molecular Analysis of Four New Alleles at the W1 Locus Associated with Flower Color in Soybean
Sundaramoorthy, Jagadeesh; Park, Gyu Tae; Chang, Jeong Ho; Lee, Jeong-Dong; Kim, Jeong Hoe; 等. *PLoS One* 11.7 (Jul 2016).

...[37-40]. In *Eustoma grandiflorum* (*Lisianthus*), pink flower color is determined
... Markham KP, Ofman DJ. *Lisianthus* flavonoid pigments and factors influencing
... Shaked-Sachray L, Nissim-Levi A, Ecker R. Anthocyanin pigmentation of *Lisianthus*

參考文件 (46)

摘要/詳細資料 全文 全文 - PDF (2 MB)

預覽

打開全文內容

可先看看摘要決定
是否為所需之內容

ProQuest平台

ProQuest

所有資料庫 > 科學與技術資料庫 > Biological Science Database | 變更資料庫

Biological Science Database

基本檢索 進階檢索 出版物 瀏覽

< 返回至檢索結果頁 第 1 個, 共 2 個 >

Identification and Molecular Analysis of Four New Alleles at the W1 Locus Associated with Flower Color in Soybean

Sundaramoorthy, Jagadeesh; Park, Gyu Tae; Chang, Jeong Ho Lee, Jeong-Dong Kim, Jeong Hoe; 等. *PLoS One* 11.7 (Jul 2016).

[全文](#) [全文 - PDF](#) [摘要/詳細資料](#) [參考文件 40](#)

摘要 翻譯

In soybean, flavonoid 3'5'-hydroxylase (F3'5'H) and dihydroflavonol-4-reductase (DFR) play a crucial role in the production of anthocyanin pigments. Loss-of-function of the W1 locus, which encodes the former, or W3 and W4, which encode the latter, always produces white flowers. In this study, we searched for new genetic components responsible for the production of white flowers in soybean and isolated four white-flowered mutant lines, i.e., two Glycine soja accessions (CW12700 and CW13381) and two EMS-induced mutants of Glycine max (PE1837 and PE636). F3'5'H expression in CW12700, PE1837, and PE636 was normal, whereas that in CW13381 was aberrant and missing the third exon. Sequence analysis of F3'5'H of CW13381 revealed the presence of an indel (~90-bp AT-repeat) in the second intron. In addition, the F3'5'H of CW12700, PE1837, and PE636 harbored unique single-nucleotide substitutions. The single nucleotide polymorphisms resulted in substitutions of amino acid residues located in or near the SRS4 domain of F3'5'H, which is essential for substrate recognition. 3D structure modeling of F3'5'H indicated that the substitutions could interfere with an interaction between the substrate and heme group and compromise the conformation of the active site of F3'5'H. Recombination analysis revealed a tight correlation between all of the mutant alleles at the W1 locus and white flower color. On the basis of the characterization of the new mutant alleles, we discussed the biological implications of F3'5'H and DFR in the determination of flower colors in soybean.

全文 翻譯 | 開啟檢索術語導覽

Introduction

Soybean [Glycine max (L.) Merr.] has six different loci (i.e., W1, W2, W3, W4, Wm, and Wp) that control flower color. The range of flower colors includes dark purple, purple, light purple, pink, magenta, near-white, and white [1,2]. W1, W3, W4, Wm, and Wp encode flavonoid 3'5'-hydroxylase (F3'5'H), dihydroflavonol-4-reductase 1 (DFR1), DFR2, flavonol synthase, and flavanone 3-hydroxylase (F3H), respectively. W2 corresponds to an MYB transcription factor that regulates the pH of petal vacuolar sap [3-11]. Among the various flower colors, purple and white prevail by 66.8% and 32.3%, respectively, according to the United States Department of

下載此資料

下載 PDF

引用 電子郵件 列印 儲存

新增至選擇的項目

具有共用參考的文件 (2503)

相關項目

以索引術語進行檢索

主題

- ☐ Flowers & plants
- ☐ Mutation
- ☐ Soybeans
- ☐ Gardens & gardening

檢索

ebrary e-books

下載全文

ProQuest平台

The image shows a screenshot of the ProQuest platform interface. On the left, a '引用' (Cite) sidebar is open, displaying the citation style 'APA 6th - American Psychological Association, 6th Edition'. Below this, a text box contains a citation for Sundaramoorthy, J., et al. (2016) regarding flower color in soybean. At the bottom of the sidebar is a '完成' (Done) button. On the right, the main search results page is visible. A red box highlights the '引用文章' (Cite Article) button, which is also circled in pink. Other buttons like '下載 PDF' (Download PDF), '電子郵件' (Email), and '儲存' (Save) are also visible. The background shows a search result for 'anthocyanin pigments'.

ProQuest

引用

引文樣式:

APA 6th - American Psychological Association, 6th Edition 變更

選擇然後複製和貼上引文至您的文件。

Sundaramoorthy, J., Park, G. T., Chang, J. H., Lee, J., Kim, J. H., Seo, H. S., . . . Song, J. T. (2016). Identification and molecular analysis of four new alleles at the W1 locus associated with flower color in soybean. *PLoS One*, 11(7)
doi:http://dx.doi.org/10.1371/journal.pone.0159865

Powered by RefWorks 參閱 RefWorks 樣式指南 以檢查您的引文是否正確和完整。

完成

引用文章

下載 PDF

引用 電子郵件 儲存

新增至選擇的項目

具有共用參考的文件 (2503)

相關項目

以索引術語進行檢索

主題

- ☐ Flowers & plants
- ☐ Mutation
- ☐ Soybeans
- ☐ Gardens & gardening

檢索

Library e-books

練習題



- 請選擇一篇文獻，並將其引文以AMA-American Medical Association, 10th Edition格式顯示於電腦

ProQuest平台

The image shows a screenshot of the ProQuest platform interface. On the left, a modal dialog box titled '列印' (Print) is open, allowing users to configure their print settings. The dialog includes options for content type, sorting order, citation style, and page breaks. On the right, the main search results page is visible, featuring a search bar and a list of results. A red box highlights the '列印' (Print) button in the top right corner of the results page, with a callout bubble containing the text '列印'.

ProQuest

所有資料庫 > 科學與技術資料庫 > Biological Science Database | 變更資料庫

Biol
基本檢

列印

內容:
(如果有的話)

全文 (引文、摘要、全文、影像、索引) ▼

PDF 將不會隨附於列印輸出中。

排序順序:

最早的在前 ▼

參考書目:

☐ 末端加入引用書目

引文樣式:

APA 6th - American Psychological Association, 6th Edition ▼

包含:

☐ 檢索歷史

Page break:

☒ 在每個文件後插入分頁符號

預估大小:

8 頁

取消 繼續

搜索此資料庫...

下載 PDF

引用 電子郵件

列印 儲存

相關項目

以索引術語進行檢索

主題

- ☐ Flowers & plants
- ☐ Mutation
- ☐ Soybeans
- ☐ Gardens & gardening

檢索

library e-books

ProQuest平台

電子郵件

內容:
(如果有的話)

全文 (引文、摘要、全文、影像、索引) ▼

將不會儲存原始檔案格式 (例如, PDF、視訊、簡報、工作表)。

排序順序:

最早的在前 ▼

參考書目:

☐ 末端加入引用書目

引文樣式:

APA 6th - American Psychological Association, 6th Edit ▼

包含:

☐ 檢索歷史

☒ 封面/標頭

☒ 目錄

☒ 文件編號

電子郵件地址:

使用逗號或分號分隔電子郵件地址。收件者只會看到自己的電子郵件地址。

您的姓名:

用於讓其他人知道電子郵件傳送者。

主旨:

您的 ProQuest 檢索

訊息:

(選用)

電子郵件格式:

☒ HTML ☐ 僅限文字 (不含影像或文字格式設定)

在所有電子郵件寄送的文件中會包含一個永久連結。

取消 繼續

ProQuest

所有資料庫 > 科學與技術資料庫 > Biological Science D

Biological Science D

基本檢索 進階檢索 出版物 瀏覽

檢索此資料庫...



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引用

列印

電子郵件

儲存

新增至選擇的項目

具有共用參考的文

相關項目

以索引術語進行檢

主題

☐ Flowers & plants

☐ Mutation

☐ Soybeans

☐ Gardens & gardening

檢索

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Email文章
給其他人

ProQuest平台



ProQuest

所有資料庫 > 科學與技術資料庫 > Biological Science Database | 變更資料庫

Biological Science Database

基本檢索 進階檢索 出版物 瀏覽

< 返回至檢索結果頁 第 1 個, 共 2 個 >

Identification and Molecular Analysis of F...
the W1 Locus Associated with Flower Color...

Sundaramoorthy, Jagadeesh; Park, Gyu Tae; Chang, Jeong Ho; Lee, Jeong-Dong; Kim, ... (2016).

全文 全文 - PDF 摘要/詳細資料 參考文件 40

摘要 翻譯

In soybean, flavonoid 3'5'-hydroxylase (F3'5'H) and dihydroflavonol-4-reductase (DFR) play function of the W1 locus, which encodes the former, or W3 and W4, which encode the latter genetic components responsible for the production of white flowers in soybean and isolate (CW12700 and CW13381) and two EMS-induced mutants of Glycine max (PE1837 and PE636) whereas that in CW13381 was aberrant and missing the third exon. Sequence analysis of F3'5'H in the second intron. In addition, the F3'5'H of CW12700, PE1837, and PE636 harbored unique polymorphisms resulted in substitutions of amino acid residues located in or near the SRS structure modeling of F3'5'H indicated that the substitutions could interfere with an interaction conformation of the active site of F3'5'H. Recombination analysis revealed a tight correlation color. On the basis of the characterization of the new mutant alleles, we discussed the biological colors in soybean.

全文 翻譯 | 開啟檢索術語導覽

Introduction

Soybean [Glycine max (L.) Merr.] has six different loci (i.e., W1, W2, W3, W4, Wm, and Wp) that control purple, light purple, pink, magenta, near-white, and white [1,2]. W1, W3, W4, Wm, and Wp encode (DFR1), DFR2, flavonol synthase, and flavanone 3-hydroxylase (F3H), respectively. W2 controls the vacuolar sap [3-11]. Among the various flower colors, purple and white prevail by 66.8% and 32.3%, respectively, according to the United States Department of

儲存至 [我的檢索]

匯出/儲存

RefWorks

EasyBib

HTML

PDF

RIS (使用 EndNote、Citavi 等)

RTF (與 Microsoft Word 搭配使用)

僅限文字

XLS (與 Microsoft Excel 搭配使用)

下載 PDF

引用

列印

電子郵件

儲存

新增至選擇的項目

具有共用參考的文件

相關項目

以索引術語進行檢索

主題

- Flowers & plants
- Mutation
- Soybeans
- Gardens & gardening

檢索

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儲存或匯出

ProQuest平台

ProQuest

所有資料庫 > 科學與技術資料庫 > Biological Science Database | 變更資料庫

Biological Science Database

基本檢索 進階檢索 出版物 瀏覽

< 返回至檢索結果頁 第 1 個, 共 2 個 >

Identification and Molecular Analysis of Four New Alleles at the W1 Locus and Its Effect on Flower Color in Soybean

Lee, Jeong-Dong Kim, Jeong Hoe, 等. *PLoS One* 11.7 (Jul 2016)

全文 摘要 摘要/詳細資料 參考文件 40

摘要 翻譯

In soybean, flavonoid 3'-hydroxylase (F3'H) and dihydroflavonol-4-reductase (DFR) play a crucial role in the production of anthocyanin pigments. Loss-of-function of the W1 locus, which encodes the former, or W3 and W4, which encode the latter, always produces white flowers. In this study, we searched for new genetic components responsible for the production of white flowers in soybean and isolated four white-flowered mutant lines, i.e., two Glycine soja accessions (CW12700 and CW13381) and two EMS-induced mutants of Glycine max (PE1837 and PE636). F3'H expression in CW12700, PE1837, and PE636 was normal, whereas that in CW13381 was aberrant and missing the third exon. Sequence analysis of F3'H of CW13381 revealed the presence of an indel (~90-bp AT-repeat) in the second intron. In addition, the F3'H of CW12700, PE1837, and PE636 harbored unique single-nucleotide substitutions. The single nucleotide polymorphisms resulted in substitutions of amino acid residues located in or near the SRS4 domain of F3'H, which is essential for substrate recognition. 3D structure modeling of F3'H indicated that the substitutions could interfere with an interaction between the substrate and heme group and compromise the conformation of the active site of F3'H. Recombination analysis revealed a tight correlation between all of the mutant alleles at the W1 locus and white flower color. On the basis of the characterization of the new mutant alleles, we discussed the biological implications of F3'H and DFR in the determination of flower colors in soybean.

全文 翻譯 | 開啟檢索術語導覽

Introduction

Soybean [Glycine max (L.) Merr.] has six different loci (i.e., W1, W2, W3, W4, Wm, and Wp) that control flower color. The range of flower colors includes dark purple, purple, light purple, pink, magenta, near-white, and white [1,2]. W1, W3, W4, Wm, and Wp encode flavonoid 3'-hydroxylase (F3'H), dihydroflavonol-4-reductase 1 (DFR1), DFR2, flavonol synthase, and flavanone 3-hydroxylase (F3H), respectively. W2 corresponds to an MYB transcription factor that regulates the pH of petal vacuolar sap [3-11]. Among the various flower colors, purple and white prevail by 66.8% and 32.3%, respectively, according to the United States Department of

檢索此資料庫...

下載 PDF

引用 電子郵件 列印 儲存

新增至選擇的項目

具有共用參考的文件 (2503)

相關項目

以索引術語進行檢索

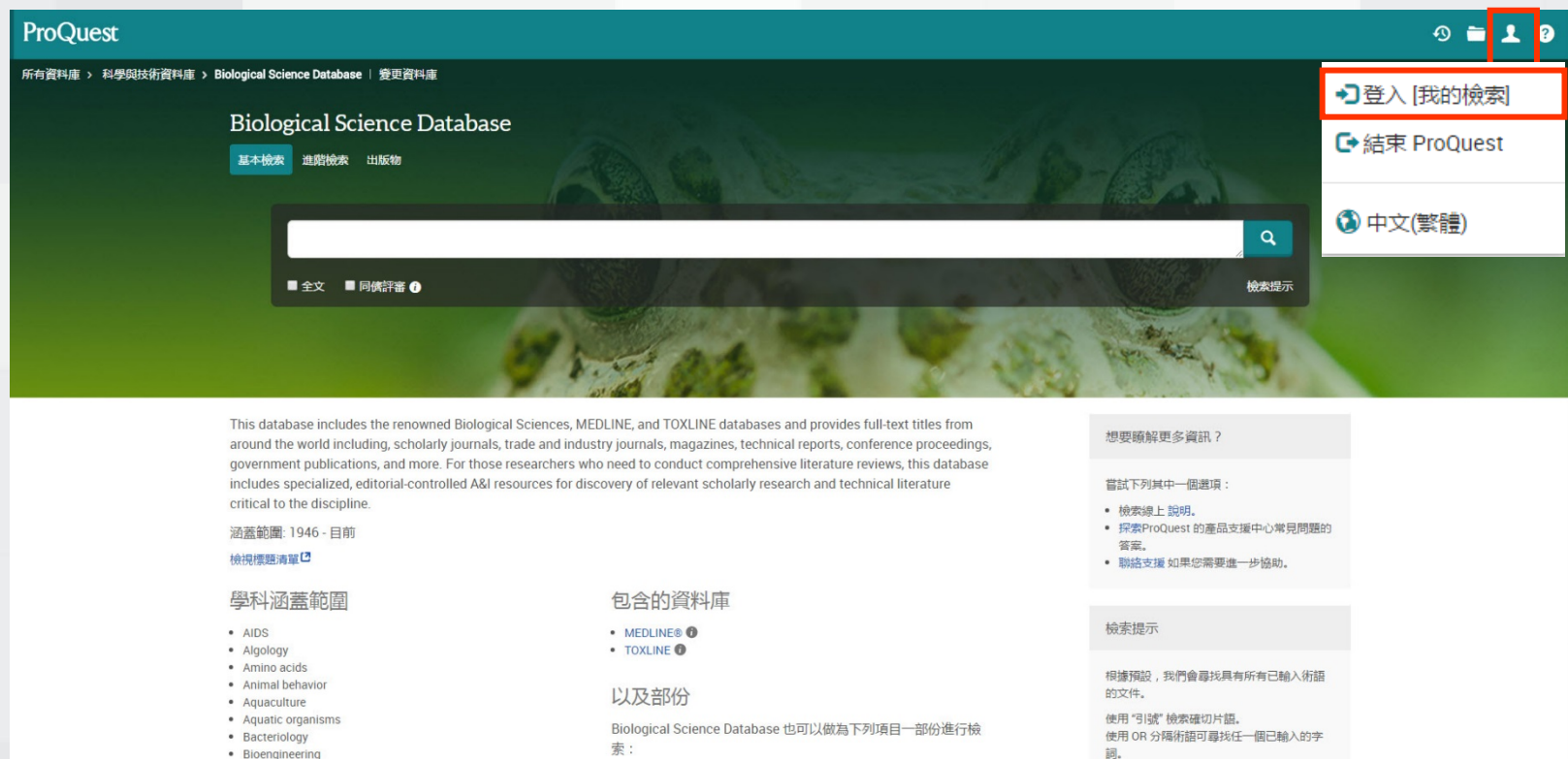
主題

- Flowers & plants
- Mutation
- Soybeans
- Gardens & gardening

檢索

ebrary e-books

ProQuest平台



ProQuest

所有資料庫 > 科學與技術資料庫 > Biological Science Database | 變更資料庫

Biological Science Database

基本檢索 進階檢索 出版物

全文 同儕評審

登入 [我的檢索]

結束 ProQuest

中文(繁體)

檢索提示

This database includes the renowned Biological Sciences, MEDLINE, and TOXLINE databases and provides full-text titles from around the world including, scholarly journals, trade and industry journals, magazines, technical reports, conference proceedings, government publications, and more. For those researchers who need to conduct comprehensive literature reviews, this database includes specialized, editorial-controlled A&I resources for discovery of relevant scholarly research and technical literature critical to the discipline.

涵蓋範圍: 1946 - 目前

[檢視標題清單](#)

學科涵蓋範圍

- AIDS
- Algology
- Amino acids
- Animal behavior
- Aquaculture
- Aquatic organisms
- Bacteriology
- Bioengineering

包含的資料庫

- MEDLINE
- TOXLINE

以及部份

Biological Science Database 也可以做為下列項目一部份進行檢索：

想要瞭解更多資訊？

嘗試下列其中一個選項：

- 檢索線上說明。
- 探索ProQuest 的產品支援中心常見問題的答覆。
- 聯絡支援 如果您需要進一步協助。

檢索提示

根據預設，我們會尋找具有所有已輸入術語的文件。

使用“引號”檢索確切片語。

使用 OR 分隔術語可尋找任一個已輸入的字詞。

ProQuest平台

The screenshot shows the ProQuest Biological Science Database login interface. The header includes the ProQuest logo and navigation links. The main content area features a login form with fields for '使用者名稱' (Username) and '密碼' (Password), and a '登入' (Login) button. A 'Widget' button is also present. A red speech bubble points to the login form, stating: '已註冊完成可直接輸入個人帳號登入' (After registration is complete, you can directly enter your personal account to log in). Another red speech bubble points to the '建立 [我的檢索] 帳戶' (Create [My Search] Account) link, stating: '首次登錄，請先註冊個人帳號' (On first login, please register a personal account first). Below the login form, a red box highlights a section titled '使用 [我的檢索] 帳戶 您將可立即存取以下的 ProQuest 檢索工具:' (Using [My Search] Account, you will be able to immediately access the following ProQuest search tools:). This section lists four features: '已儲存文件' (Saved Files), '已儲存的檢索' (Saved Searches), '新知通報及 RSS 訂閱' (New Arrivals and RSS Subscriptions), '喜好設定' (Preferences), and 'RefWorks'. A red speech bubble points to this section, stating: '有了個人帳號即可在帳號內儲存文件, 儲存檢索, 設定關鍵詞新知通報, 個人設定等功能' (With a personal account, you can save files, save searches, set keywords for new arrivals, and personal settings, etc.).

ProQuest

所有資料庫 > 科學與技術資料庫 > Biological Science Database | 變更

Biological Science Database

檢索 進階檢索 出版物

登入 Widget

歡迎使用 [我的檢索]!

既有使用者 - 登入

使用者名稱:

密碼:

[忘記密碼?](#)

新增至 [我的檢索]

建立個人的 [我的檢索] 帳戶，使... 一步檢索。

設定 [我的檢索] 帳戶對所有 ProQuest 使用者是簡單且免費的。深入了解...

[建立 \[我的檢索\] 帳戶](#)

使用 [我的檢索] 帳戶 您將可立即存取以下的 ProQuest 檢索工具:

- 已儲存文件**
儲存和整理文件與其他項目。
- 已儲存的檢索**
儲存、重新執行和修改您的檢索。
- 新知通報及 RSS 訂閱**
檢視和管理您的檢索新知通報與 RSS 訂閱。
- 喜好設定**
自訂介面及檢索設定。
- RefWorks**
連結 [我的檢索] 與您的 RefWorks 帳戶，並按一下新增項目。

如欲獲得更多資料庫詳情:

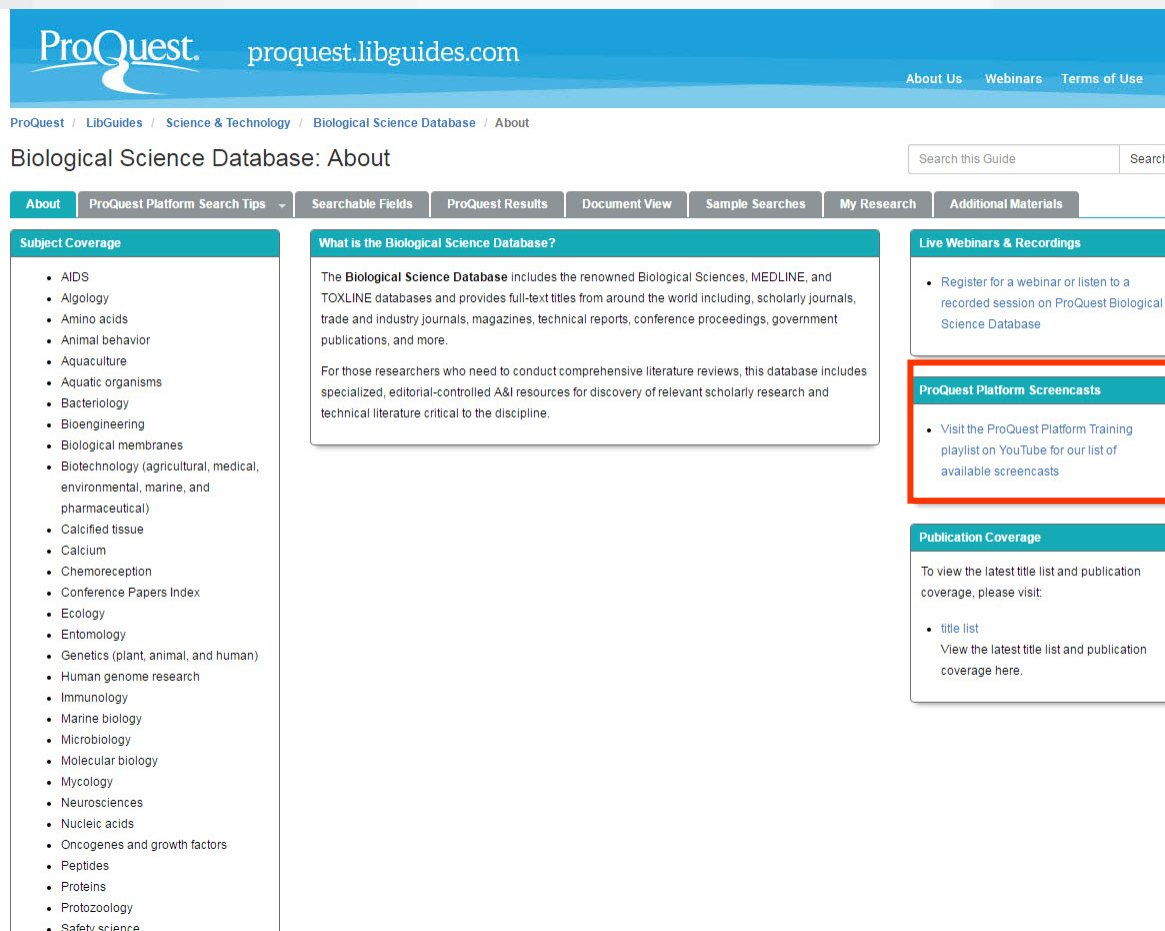
The screenshot displays the ProQuest website interface. At the top, the ProQuest logo is visible. Below it, the navigation bar shows '所有資料庫 > 科學與技術資料庫 > Biological Science Database | 變更資料庫'. The main heading is 'Biological Science Database', with sub-links for '基本檢索', '進階檢索', and '出版物'. A red box highlights the top right corner of the website, containing icons for help, home, user, and a question mark.

Overlaid on the website is a 'ProQuest 說明 - Google Chrome' window. The address bar shows 'search.proquest.com/help/academic.zh-TW/webframe.html?Basic_Search.html'. The left sidebar contains a '目錄' (Table of Contents) with links to '歡迎', '檢索語法與欄位代碼', '檢索', '進階', '更多檢索的方式', '檢索歷史: 您的檢索歷程', '索引典', '尋找欄位術語', '檢索結果', '文件檢視', and '我的檢索'. The main content area is titled '基本檢索' (Basic Search) and includes sections for '檢索 > 基本檢索', '檢索學科領域', '輸入一或多個字詞', '須知事項', 'ProQuest 如何處理您輸入的字詞', '檢索確切的片語', and '查看您正在檢索哪些資料庫'.

On the right side of the website, there are several sections: 'ProQuest 說明' (ProQuest Help) with a link to '直接前往有關使用目前頁面的資訊。', '支援中心' (Support Center) with a link to '檢索 ProQuest 支援中心尋找關於產品、存取、使用、設定及管理的答案。', '訓練 (LibGuides)' with a link to '使用者指南、線上及現場訓練、網路研討會及其他項目。', '聯絡我們' (Contact Us) with a link to '有問題、想法或其他意見? 我們希望傾聽您的聲音。', and '產品試用版' (Product Trial) with a link to '要求免費產品試用版。'. Below these are links for '想要瞭解更多?' and '嘗試下列'.

如欲獲得更多資料庫詳情:

<http://proquest.libguides.com/biologicalsciencedatabase>



ProQuest. proquest.libguides.com

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Biological Science Database: About

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About ProQuest Platform Search Tips Searchable Fields ProQuest Results Document View Sample Searches My Research Additional Materials

Subject Coverage

- AIDS
- Algology
- Amino acids
- Animal behavior
- Aquaculture
- Aquatic organisms
- Bacteriology
- Bioengineering
- Biological membranes
- Biotechnology (agricultural, medical, environmental, marine, and pharmaceutical)
- Calcified tissue
- Calcium
- Chemoreception
- Conference Papers Index
- Ecology
- Entomology
- Genetics (plant, animal, and human)
- Human genome research
- Immunology
- Marine biology
- Microbiology
- Molecular biology
- Mycology
- Neurosciences
- Nucleic acids
- Oncogenes and growth factors
- Peptides
- Proteins
- Protozoology
- Safety science

What is the Biological Science Database?

The **Biological Science Database** includes the renowned Biological Sciences, MEDLINE, and TOXLINE databases and provides full-text titles from around the world including, scholarly journals, trade and industry journals, magazines, technical reports, conference proceedings, government publications, and more.

For those researchers who need to conduct comprehensive literature reviews, this database includes specialized, editorial-controlled A&I resources for discovery of relevant scholarly research and technical literature critical to the discipline.

Live Webinars & Recordings

- Register for a webinar or listen to a recorded session on ProQuest Biological Science Database

ProQuest Platform Screencasts

- Visit the ProQuest Platform Training playlist on YouTube for our list of available screencasts

Publication Coverage

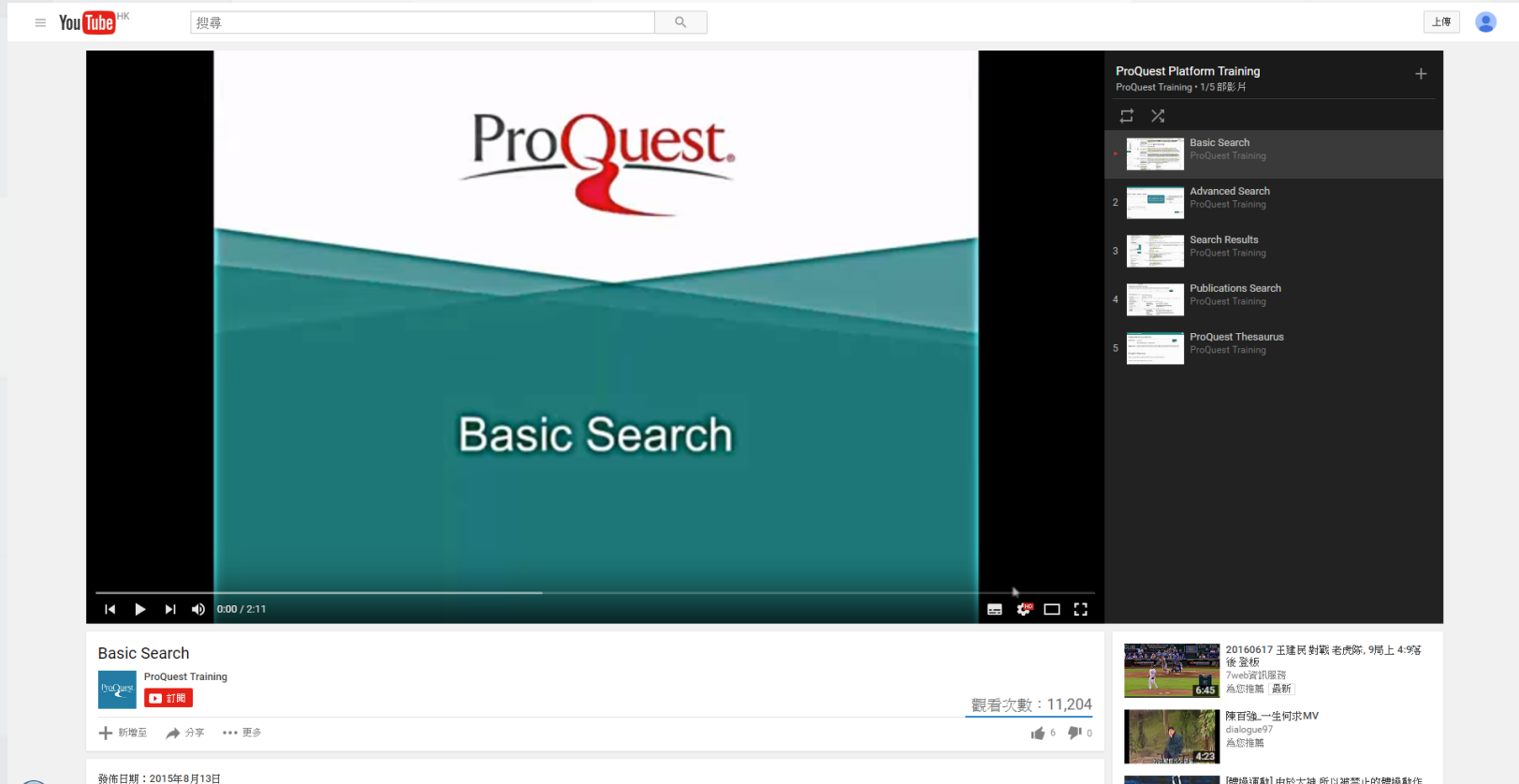
To view the latest title list and publication coverage, please visit:

- [title list](#)

View the latest title list and publication coverage [here](#).

如欲獲得更多資料庫詳情:

<https://www.youtube.com/user/proquesttraining/videos>



The screenshot displays a YouTube video player interface. The video title is "Basic Search" by ProQuest Training. The video player shows the ProQuest logo and the text "Basic Search" on a teal background. The video progress bar indicates 0:00 / 2:11. Below the video player, the video title "Basic Search" is repeated, along with the ProQuest Training channel name and a "訂閱" (Subscribe) button. The view count is 11,204. To the right of the video player, a playlist titled "ProQuest Platform Training" is visible, containing five videos: "Basic Search", "Advanced Search", "Search Results", "Publications Search", and "ProQuest Thesaurus". Below the playlist, there are recommendations for other videos, including "20160617 王健民對戰 老虎隊, 9局上 4-9落後 登板 7web資訊服務 為您推薦 (最新)" and "陳百強_一生何求MV dialogue97 為您推薦". The video player controls at the bottom show the video is at 0:00 / 2:11.

YouTube HK 搜尋 上傳

ProQuest Platform Training
ProQuest Training • 1/5 部影片

Basic Search
ProQuest Training

2 Advanced Search
ProQuest Training

3 Search Results
ProQuest Training

4 Publications Search
ProQuest Training

5 ProQuest Thesaurus
ProQuest Training

Basic Search
ProQuest Training
訂閱

觀看次數: 11,204

新增加 分享 更多

發佈日期: 2015年8月13日

20160617 王健民對戰 老虎隊, 9局上 4-9落後 登板 7web資訊服務 為您推薦 (最新)

陳百強_一生何求MV dialogue97 為您推薦

體操運動】由於太神 所以被禁止的體操動作

謝謝！

