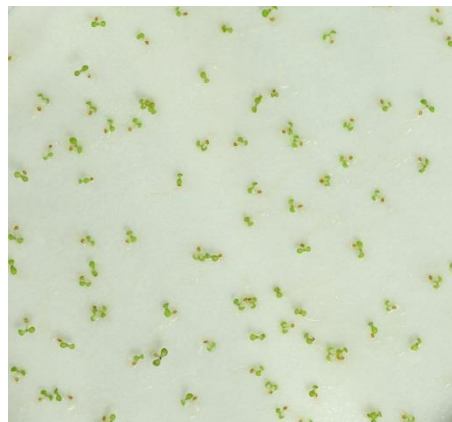


ABRC Survey Results

The Arabidopsis Biological Resource Center (ABRC) is in the process of designing a website for searching and ordering stocks and we asked for feedback from the Arabidopsis community regarding their preferences and ideas. We had a brief survey about stock searching and how to display the results in a way that is simple and easy to navigate. Here are the community's responses.

Thank you to all the researchers who support us and who took time to answer the ABRC survey!



Respondents

The survey was sent to researchers registered with our current ordering system, who have also ordered in the last five years, and also their primary investigators.

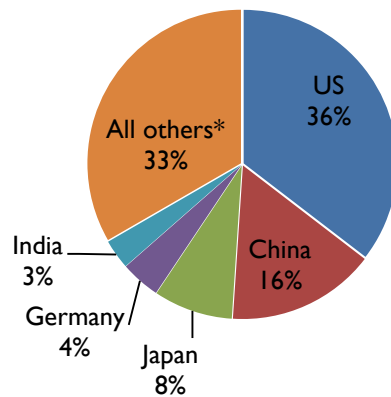
- 14% Responded (984 responses)
- 58% Selected Primary Investigator status

48 countries were selected as the location for the respondents institution:

- | | |
|----------------|----------------------------|
| American Samoa | Japan |
| Argentina | Kazakhstan |
| Australia | Korea |
| Austria | Malaysia |
| Bangladesh | Mexico |
| Belgium | Netherlands |
| Brazil | New Zealand |
| Canada | Pakistan |
| Chile | People's Republic of China |
| Colombia | Poland |
| Croatia | Portugal |
| Czech Republic | Russia |
| Denmark | Saudi Arabia |
| Egypt | Singapore |
| Finland | Slovak Republic |
| France | South Africa |
| Germany | Spain |
| Greece | Sweden |
| Hong Kong | Switzerland |
| Hungary | Taiwan |
| India | United Kingdom |
| Iran | Uruguay |
| Ireland | USA |
| Israel | |
| Italy | |

Respondents

* < 2.4% for any individual country. 43 countries represented




Search Criteria

What type of search do you currently utilize when looking for seed stocks? (multiple answers could be selected)

- 90% Gene/Locus/allele
- 58% Stock name/ number
- 26% Phenotype
- 4% Other

What type or search do you currently utilize when looking for DNA stocks, including clones & vectors? (multiple answers could be selected)

- 83% Gene/Locus
 - 43% Stock name/ number
 - 35% Stock description
 - <4% Other
-
- 

Search Ideas

- ❖ We included two ideas for the front page search: one with a more general search and the other which allows searching with restrictions
- ❖ We asked you to select one of the options as **your preferred search**

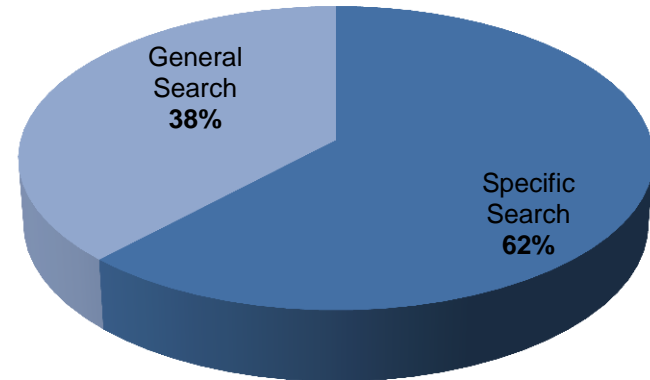
Examples included on survey:

Allows more SPECIFIC search for stocks
Select option to right of box. Results will be returned by stock type and number of hits (i.e. seed, plasmid).

<input type="text" value="Restricted stock search"/>	Select ▼
	AGI / Locus
	Stock number / name
	Allele

Allow more GENERAL search for stocks
Search without restrictions. Results will be returned by category and number of hits (i.e. locus, stock number/name)

<input type="text" value="Unrestricted stock search"/>
--



Search Results for Locus Search

Search Results: Example

You searched for **AT2G16500**. Click on the number for details.

Stock Type	Number of ABRC Stocks
Characterized mutants	▶ <u>2</u>
T-DNA / transposon insertion lines	▶ <u>11</u>
TILLING lines	0
Transgenic lines	0
RNAi lines	0
Clones	▶ <u>2</u>

Categories

Categories with results can be expanded to view individual stocks

Which of these categories would you find useful for results of a locus search? (Multiple answers could be selected)

- 88% Characterized mutants
- 88% T-DNA/transposon insertion lines
- 68% Transgenic lines
- 60% Clones
- 58% RNAi lines
- 41% Tilling lines

What additional categories would you find useful?

- 1% each: Genome editing/CRISPR, transgene information (includes promoter, reporter) and by phenotype.

Details for Locus Search

Below example shows one possibility for the locus search results - expanded. The stock numbers from the expanded page can then be selected for the details page. Other types of stocks will have different fields, but will be displayed in a similar format.

Search Results Expanded: Example

Stock Type	Number of ABRC Stocks	Fields		
Characterized mutants	2			
Section Expanded				
	Stock number	Allele	Genotype	Phenotype
	CS9657	adc1-3	homozygous	chilling sensitive
	CS9658	adc1-2	homozygous	chilling sensitive
T-DNA / transposon insertion lines	11			
TILLING lines	0			
Transgenic lines	0			
RNAi lines	0			
Clones	2			
Section Expanded				
	Clones	Stock_number	Insert_type	Description
	155N18	155N18	cDNA	
	180K7	180K7	cDNA	

Clicking on the stock number will open the stock detail page

Do you like the overall layout of the results page?

94% Yes
6% No

Thank You

Thanks to all of you who took time to share comments and feedback with us!

If you have any questions you can contact us at ABRC@osu.edu

