

Germplasm Browser User's Manual

The Germplasm Browser is a tool that allows you to search for germplasm records in the Integrated Breeding Database (IBDB) central or local instances. It displays information related to a specific germplasm like its basic information, attributes, names, generation history and its pedigree tree.

Main Screen

1. **Search Form** – In the Search Form the user is given an option to search either by GID or by Name. Searching by name will display another option for the user to select either searching in local or central database.
2. **Germplasm Search Results Table** – The Germplasm Search Results Table displays the results of the search. It presents the GID, Names, Method of creation and Location of creation of the germplasms included in the results of a search.
3. **Germplasm Details Tab** – The Germplasm Details Tab displays information for a specific germplasm entry. It is displayed after the user has selected a specific Germplasm to view from the Germplasm Results Table or a search by GID with exact match has been performed.

The screenshot displays the Germplasm Browser web application. At the top, the 'Search Form' includes a search bar with 'IR 64' entered, a 'Search' button, and radio buttons for 'GID' (selected) and 'Names'. Below the search form is the 'Germplasm Search Result Table' with columns for GID, NAMES, METHOD, and LOCATION. The table lists several entries, with 'IR 64' selected. Below the table is the 'Germplasm Detail Tab' for GID: 50531. It shows a 'Pedigree Tree' on the left and 'Germplasm Details' on the right. The details include 'Preferred Name: IR 18348-36', 'Location: IRRInternational Rice Research Institute, Los Baños', 'Method: Single plant selection', 'Creation Date: 0', and 'Reference: PARENTAGE OF IRR1 CROSSES IR 1-IR 50000'. A 'Names' tab is active, showing a table with columns for TYPE, NAME, DATE, LOCATION, and TYPE DESC. The table contains two rows: 'DR/VM IR 18348-36' and 'IRIS 10-50531'.

GID	NAMES	METHOD	LOCATION
119	IR 64 IR 64-CROSS, IRIS 10-110	Single cross	IRRI-International Rice Research Institute, Los Baños
50533	IR 18348-36-3-3, IR 64, RTP 12158, OM 88, KSB 199, OMCS 95-3, C	Single plant selection	International Rice Testing Program, IRRI
202580	IR 64	Unknown selection method	IRRI-International Rice Research Institute, Los Baños
432788	IR 64 IRIS 3-3632	Cultivar release	Viet Nam
432788	IR 64 JET 9671 IRIS 3-3633	Cultivar release	India
433035	IR 64 IRIS 3-3816	Cultivar release	Bhutan
510553	IR 64 PI 497582, IR 18348-36-3-3	Collection line	National Small Grain Collection USDA-ARS

TYPE	NAME	DATE	LOCATION	TYPE DESC
DR/VM	IR 18348-36	0	IRRIInternational Rice Research Institute, Los Baños	Derivative name
	IRIS 10-50531	0		

Searching Germplasms by GID

- To search for Germplasms by GID, click the GID radiobutton
- Type the GID in the Search Textbox and click the Search button.

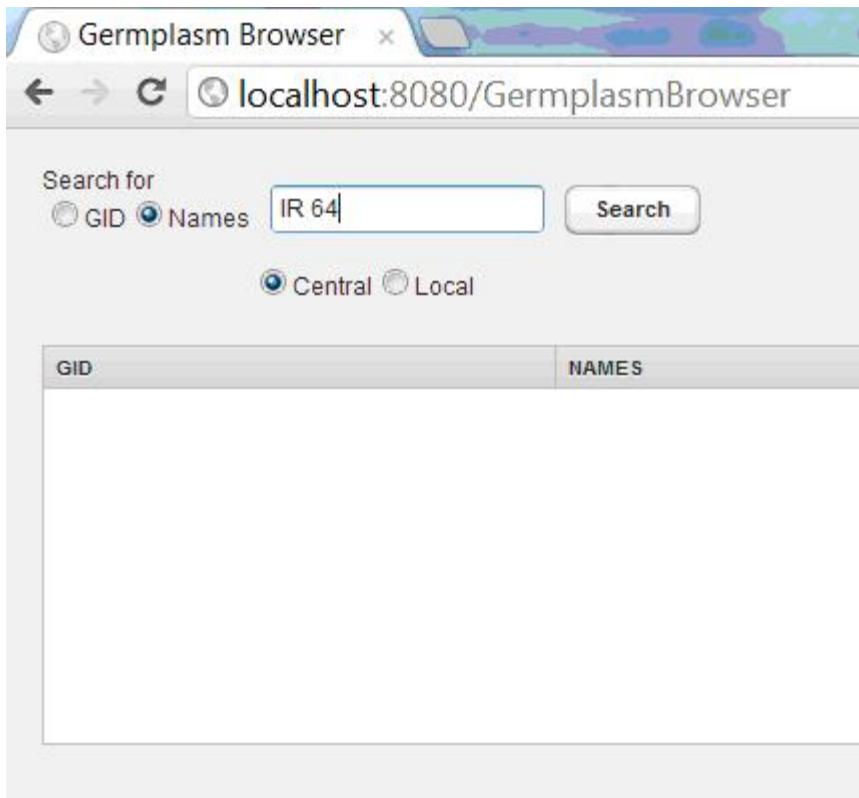
The screenshot shows a web browser window titled "Germplasm Browser". The address bar displays "localhost:8080/GermplasmBrowser". Below the address bar, there is a search section with the text "Search for" followed by two radio buttons: "GID" (which is selected) and "Names". To the right of these radio buttons is a text input field containing the value "50533". A "Search" button is located to the right of the input field. Below the search section is a table with two columns: "GID" and "NAMES". The table is currently empty, showing only the column headers.

Note: Providing a negative input value will automatically perform the search on the Local database. Positive input values will cause the search to be performed on the Central database.

- Search results will be displayed on the Germplasm Search Results Table.

Searching for Germplasms By Name

- To search for Germplasms by Name, click the Names radiobutton.
- Click the Central or Local radiobutton . Central radiobutton is selected as the default.
- Type the search string in the Search Textbox then click the Search Button.



Note: The user can add wildcard character "%" on the search string. For example "IR 64%" perform a search on all germplasm whose names start with "IR 64".

- Search results will be displayed on the Germplasm Search Results Table.

Displaying the Germplasm Details Tab

- After a search is executed, the results are displayed on the Germplasm Search Results Table. The user can select the row of the Germplasm to be viewed by double clicking on it to open the Germplasm Details Tab. When searching by GID, the Germplasm Details Tab for the germplasm identified by the given id will automatically be opened.
- On the Pedigree Tree display, click on the arrows beside the nodes to expand them and navigate the tree. Double clicking on a node will open the Germplasm Details Tab of the selected germplasm.
- Click on the Names Tab to view the names of the Germplasm.
- Click on the Attributes Tab to view the attributes of the Germplasm.
- Click on the Generation History Tab to view the generation history of the Germplasm.
- Click on the (x) beside the Tab Caption to close the Germplasm Detail Tab selected.

50531 X

▼ IR 10349-36(20031)

▼ IR 10349-36(24489)

▼ IR 5657-33-2-1(24489)

▼ IR 5657-33-2(24453)

▶ IR 5657-33(24459)

▶ IR 2061-466-1-5-5(11072)

GID: 50531

Preferred Name : IR 10349-36

Location : IRRI-International Rice Research Institute, Los Baños

Method : Single plant selection

Creation Date : 0

Reference : PARENTAGE OF IRRI CROSSES IR 14R 50009

NamesAttributesGeneration History

TYPE	NAME	DATE	LOCATION	TYPE DESC
DR/IRM	IR 10349-35	0	IRRI-International Rice Research Institute, Los Baños	Derivative name
	IRIS 10-50531	0		