What's new in PCD?

Tool Improvements

GWAS added to updated QTL/GWAS search

Outreach

- <u>GWAS Search and Viewing in MapViewer</u> <u>video</u> (2:23 mins)
- How to Search Traits and See Associated Data video (1:49 mins)

Viewing GWAS data

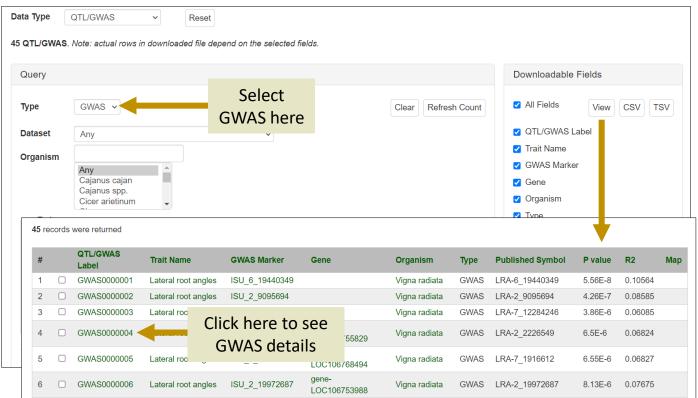
We have added the ability to search for GWAS data in the updated <u>QTL/GWAS Search</u>. GWAS is now a data type that can be selected, and the search can be refined by organism, trait, GWAS name, genome location, gene, and publication.

New Data

- ZW6 pea, mung bean, vetch, yardlong bean, and two faba bean genomes added to database and BLAST, JBrowse, Synteny Viewer, and PathwayCyc tools
- 3,922 genetic markers, 6 genetic maps, 212
 QTL, and 41 GWAS added in last quarter

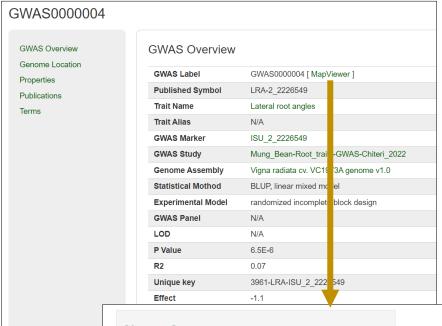
And as always, the displayed results can be customized using the toolbar on the right. You can select which data fields are displayed and download the results in the CSV and TSV file formats for manipulation in Excel.

See the next page for more details.



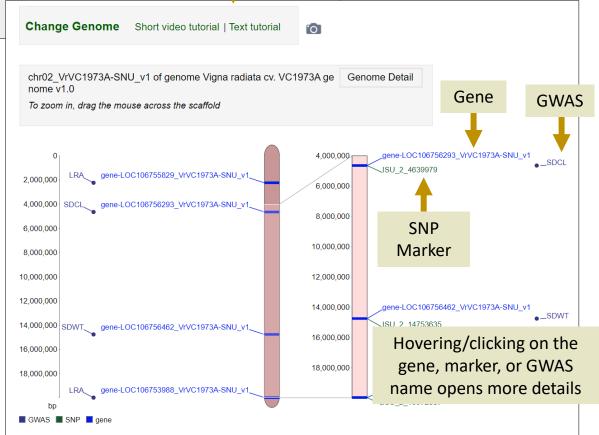
GWAS Details and Display in MapViewer

From the GWAS details page, you can see all the details about the GWAS and see the link to MapViewer.



BIMS Workshop at NAPB 2023!

We had a successful BIMS workshop at NAPB 2023 (July 16-20, Greenville, SC)! Thank you for those who participated! The presentations for each section of the workshop, including the use case demo, is available on breedwithbims.org. Recordings will also be available when they are released.



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<u>Funded by:</u> USDA-SCRI, USDA-SAES NRSP10, USA Dry Pea & Lentil Council, Northern Pulse Growers Association, and WSU.