What's new in GDV?

New Training Videos
- [How to find orthologs and corresponding functional annotations](#) (2:15 mins)

New Data
- 1 expression dataset, updated SNP alignment track on Draper genome
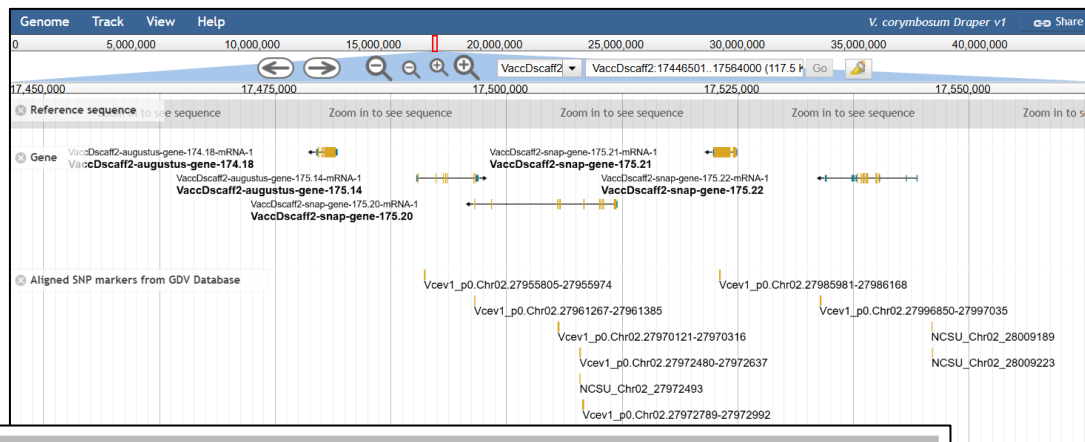
New data added in fourth quarter of 2024

New Expression Datasets
- Feng et al. Integrated Analysis of Transcriptome and Metabolome Provides Insights into Flavonoid Biosynthesis of Blueberry Leaves in Response to Drought Stress. International Journal of Molecular Sciences. 2024 Oct 17; 25(20).
- View this data in the [Expression Heatmap tool](#) and on the details page of genes with data.

Other New Data
- Updated JBrowse track for Draper genome with aligned Blueberry 22K Genotyping array from Rapid Genomics. The marker positions are also stored within the database.

#		Unique Name	Genome	Genome Position (Start)	Genome Position (Stop)
1	☐	Vcev1_p0.C172.22194-22306	Vaccinium corymbosum cv. Draper v1.0 genome sequence	3344454	3344565
2	☐	Vcev1_p0.C172.23137-23355	Vaccinium corymbosum cv. Draper v1.0 genome sequence	3343405	3343622
3	☐	Vcev1_p0.C172.30266-30471	Vaccinium corymbosum cv. Draper v1.0 genome sequence	3336285	3336489
4	☐	Vcev1_p0.Chr01.10017341-10017450	Vaccinium corymbosum cv. Draper v1.0 genome sequence	7827021	7827129
5	☐	Vcev1_p0.Chr01.10808553-10808720	Vaccinium corymbosum cv. Draper v1.0 genome sequence	8497488	8497654
6	☐	Vcev1_p0.Chr01.11320901-11321110	Vaccinium corymbosum cv. Draper v1.0 genome sequence	9041480	9041688
7	☐	Vcev1_p0.Chr01.11422585-11422763	Vaccinium corymbosum cv. Draper v1.0 genome sequence	9149951	9150128
8	☐	Vcev1_p0.Chr01.11516441-11516665	Vaccinium corymbosum cv. Draper v1.0 genome sequence	9225437	9225660
9	☐	Vcev1_p0.Chr01.123568-123756	Vaccinium corymbosum cv. Draper v1.0 genome sequence	117486	117673
10	☐	Vcev1_p0.Chr01.13817119-13817264	Vaccinium corymbosum cv. Draper v1.0 genome sequence	10228172	10228316

New year, new breeding management system?

Are you managing a breeding program and tired of all the files that have accumulated? Do you struggle with reading scribbled phenotyping data as you type it into the computer? Well, we have solutions for you!

Now is the perfect time to transition to the Breeding Information Management System (BIMS) for managing all the program information and using the Field Book Android App for data collection. Don't know where to start, we can help with that!

In addition to a detailed user manual, we are also making a series of short videos to walk you through all the steps to use BIMS. You can check out BIMS on GDV and explore the publicly available data to see the basics of how it works.

Have questions or need help? Don't hesitate to contact us! We will assist you to resolve any issues and can also do training for your entire group. Field Book also has a user manual and support.

Primary Field Book screen

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