

BULLSEYE: SEARCH, SORT, SELECT

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USING BULLSEYE FOR SIRE SELECTION

1 Accessing Bullseye

There are a few ways you can access the Bullseye application through USJersey

A Go to <https://infojersey.usjersey.com/publictools/bullseye/bulleseye1.aspx>

B Go to <https://www.usjersey.com/>

1 Scroll on 'Green Book Online', select Bullseye: Search, Sort and Select.



C Go to <https://infojersey.usjersey.com>

1 Go to the tools tab, then select Bullseye.

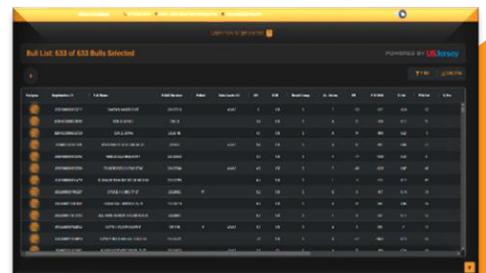


2 Once you have reached this screen you are ready to search

Once the Bullseye web app has loaded in, scroll down to find a list of all bulls ranked by genomic Jersey Performance Index, or JPI.

From here you can start customizing to create an index that may more closely align to your operations genetic plan or goals.

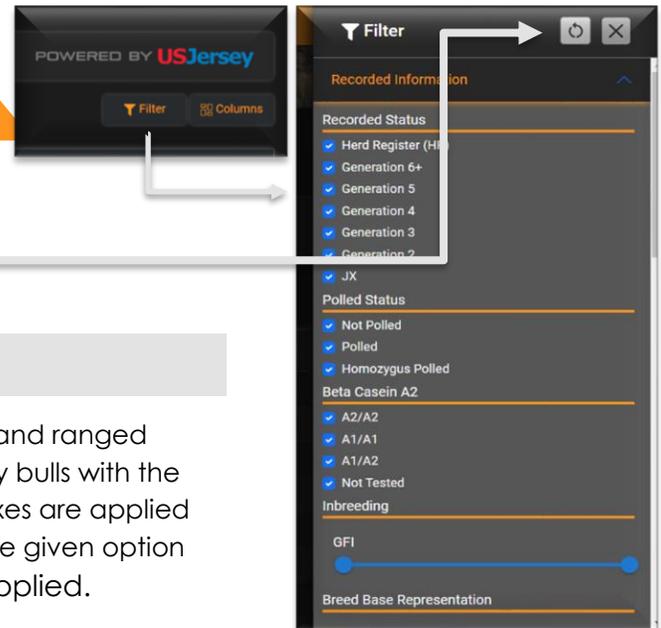
Columns can be rearranged as needed.

The image is a screenshot of the Bullseye application interface. It displays a table titled 'Bull List: 632 of 632 Bulls Selected'. The table has multiple columns, including 'Bull ID', 'Sire', 'Dam', 'JPI', 'Rank', 'Age', 'Sex', 'Color', 'Status', and 'Notes'. The table contains a list of bulls with their respective genomic Jersey Performance Index (JPI) values and other details. The interface is dark-themed with yellow highlights.

3 Filtering / Viewing

A Filter Panel

On the right side of the bull grid, you will see a button labeled "Filter" upon clicking this a panel will slide out from the right side of the screen giving you endless options to filter and or sort the bull list with each set of filters broken up by category. As well as a reset and close panel button in the upper right-hand corner



B Filter Checkboxes

Within the filter panel you will see both checkboxes and ranged sliders (See C.) Checking the checkboxes allows only bulls with the desired value to be shown on the list. If no checkboxes are applied for a given section/value all bulls will be pulled for the given option and the filter value for the checkbox will not be applied.

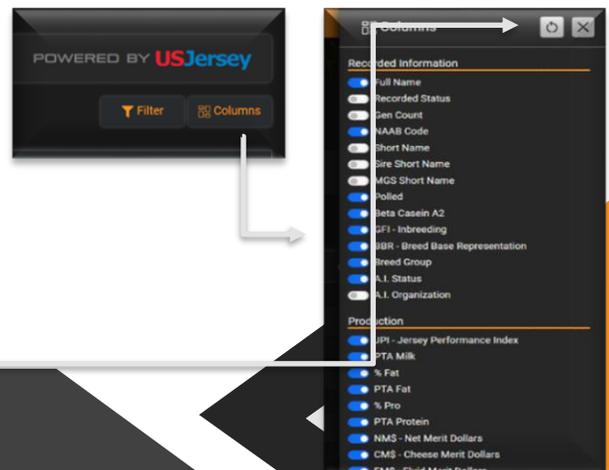
C Range Sliders

Ranged sliders are available within the filter panel for designated bulls' trait/information options. Sliders are defaulted to include all values of for the option. To use the slider, click and drag either end of the slider to the desired values. When clicking on the slider the current value will be shown above the control. This allows for filtering based on a range or a minimum and maximum value respectively.



D Column Visibility

Along with filtering there is the option to choose which columns that are visible within the bull list. To choose which are visible click the "Columns" button and a panel will slide out from the right of the screen. All the column options except for "Registration ID" can be hidden/shown. Clicking a switch highlighting blue designates a column to be shown. All columns can be reset, and the panel closed using the options in the upper right of the panel

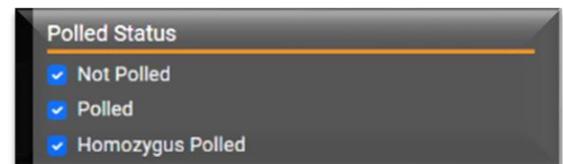


A Recorded Status

Here you can decide the minimum Generation Count you desire in your bulls, whether you want to use JX bulls, or if you would prefer Herd Registered bulls only. This is up to you and what you're looking for in a sire in your operation.

**B** Animal Information, Polled Status and Beta Casein A2

This area allows you to determine the polled code and Beta Casein A2 status code for your desired bull. Simply select the code option that you desire to improve your herd and only bulls with those codes will be shown.

**C** Genomic Future Inbreeding (GFI), Breed Base Representation (BBR) and Breed Evaluation Group

Genomic Future Inbreeding (GFI) is an estimate of inbreeding in future offspring, based on parent's actual homozygosity and percentages of genes in common with the genotyped population.

BBR stands for Breed Base Representation, which is the genomic estimate of the animal's relationship to the Jersey breed reference group. BBR's of 94 or greater are reported as one hundred, while BBR's less than ninety-four are reported as calculated.

The BBR values also assigns a S for single breed or M for multiple breed blended basis designation for each animal. For genomic tested animals with a BBR of 94 or greater they are given the S designation. BBR's less than a 94 are given M for multi-breed.

**D** A.I. Status

In this area you decide which bulls you want to be able to find for the mating's. There are three options: Active A.I. bulls (A), Foreign bulls marketed in the U.S. (F) and Genomically Tested (G) bulls without milking daughters.

In order to be considered active, bulls must have milking daughters and data available on the performance of those daughters. Foreign bulls are bulls not originating in the U.S. G code bulls are younger and do not yet have milking daughter data available. These often offer the newest genetics but have more risk with not having proven information.



E Marketing Organizations

There are numerous marketing organizations available to pick from on Bullseye. We recommend using the organizations from which are most familiar, and semen can be obtained from easily. When viewing the A.I organizations some information will be shown about what NAAB codes that they market bulls under for research purposes.



F Production Traits

In this area, you can set minimum values for the traits you're looking for. The traits listed under production are Jersey Performance Index, PTA Milk, Percent Fat, PTA Fat, Percent Protein, Net Merit, Cheese Merit, Fluid Merit, Grazing Merit, and Reliability.

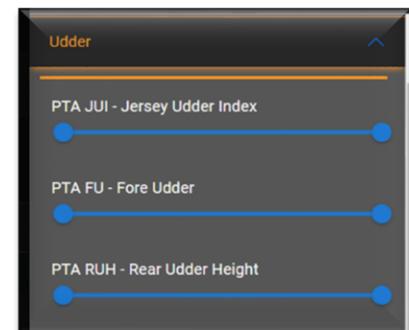
There are great resources available which will teach you more about the relationships and meanings behind each of these categories.



G Udder Traits

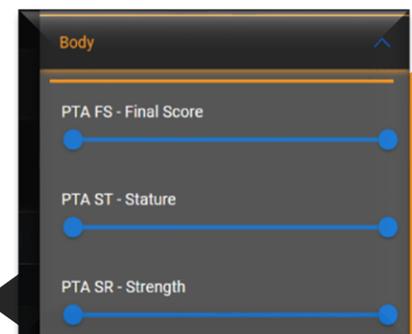
The next area represents the udder traits. Here you can set the minimums for fore udder attachment, rear udder height, udder cleft, udder depth, teat placement, teat length, rear teat placement rear view, rear teat placement side view and Jersey Udder Index, or JUI.

For this section and the 'Body Traits' section, it may be easiest to reference a bull proof to understand which way the numbers should go for desirable traits.



H Body Traits

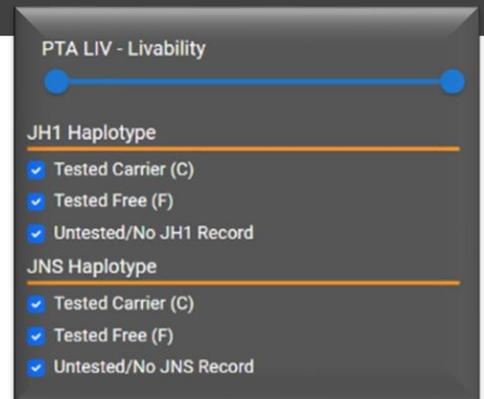
The next section allows you to select the whole-body confirmation traits that are focused on. Here you will see PTA stature, strength, dairy form, rump angle, rump width, rear leg set and foot angle.



I Fitness & Fertility Traits

The fitness traits section allows you to set a range of values (min & max) for PTA daughter pregnancy rate, heifer conception rate, cow conception rate, somatic cell score, productive life and livability.

There also is the option to select your preference for JH1 and JNS haplotype status codes.



J CDCB Health Traits

The final section available is the CDCB Health Traits. The traits in this section include milk fever (MFV), displaced abomasum (DAB), ketosis (KET), mastitis (MAS), metritis (MET), retained placenta (RPL) and Health Trait Index (HTI). The more positive these numbers are, the more desirable the trait as the greater the resistance to the disease.



5 Final Selections

Once you have set all the criteria for your bull selection, you will see the bull grid decrease in count and only show the bulls that have met your desired criteria. You should have a variety of bulls to now choose from for potential future mating's.

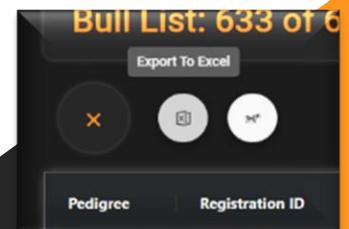
If you so choose, you can continue narrowing the criteria to make even smaller groups of bulls. Another option is to look at the highest animals and compare them on a pedigree basis.

6 Utilizing the Data

A Exporting To Excel

Once you are confident in your bull selection, Bullseye will allow you to work with the data in a variety of ways. If you want to export the information and then print, hover over the '+' icon just above the grid and select the 'Excel' icon (tooltip: Export to Excel).

Only columns and rows visible will be exported!

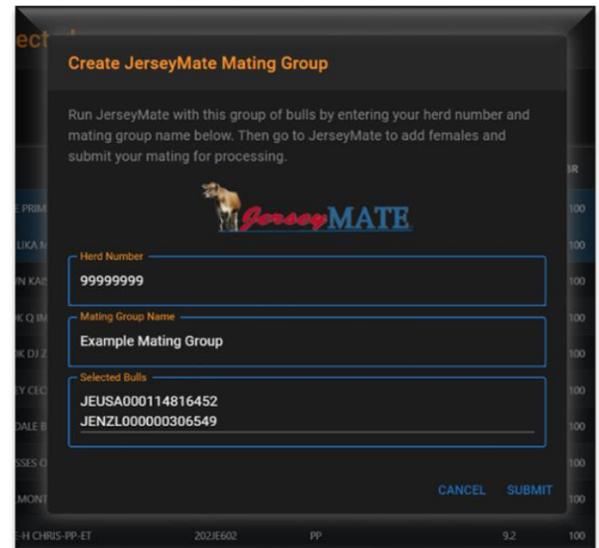
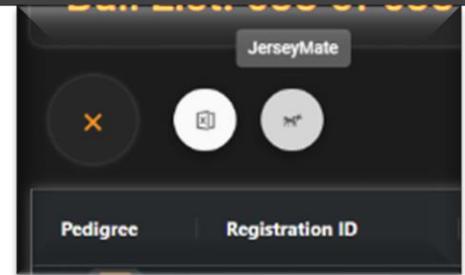


B Export To JerseyMate Application

Once you have filtered your list, you can use a combination of 'CTRL' and 'Shift' keys to select specific bulls that you want to export into JerseyMate from the list. Once you have selected the bulls that you want to import hover over the '+' icon on the left side just above the grid and select JerseyMate

You will then be prompted to enter your herd number and the mating group name that will be created with the selected bulls also shown in the modal window.

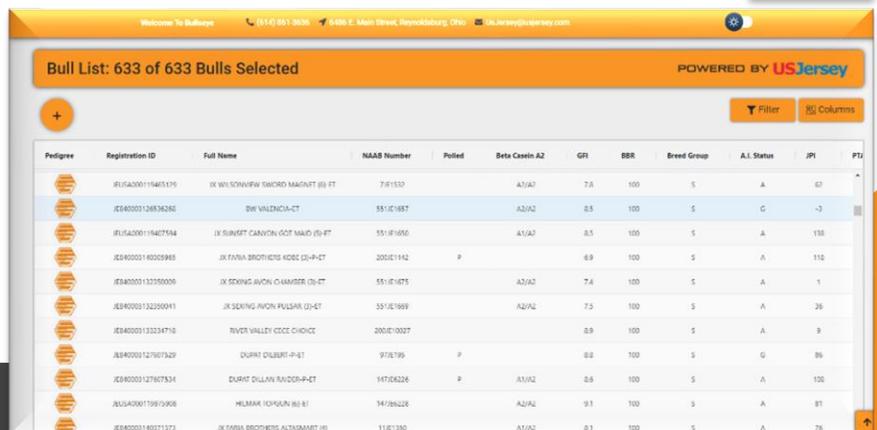
Once you have input all your information click submit and a new mating group will then be created within the JerseyMate application ready for you to choose which females you want to mate.

A screenshot of the 'Create JerseyMate Mating Group' form. The form has a dark background and includes the JerseyMate logo. It contains three input fields: 'Herd Number' with the value '99999999', 'Mating Group Name' with the value 'Example Mating Group', and 'Selected Bulls' with the values 'JEUSA000114816452' and 'JENZL000000306549'. There are 'CANCEL' and 'SUBMIT' buttons at the bottom right.

7 Additional Features

A Light & Dark Mode

We recognized that some people would prefer to use different themes. Therefore, we have given the option to use both 'Light' and 'Dark' mode with the flip of a switch on the top menu bar.

A screenshot of the Bull List interface. The header shows 'Bull List: 633 of 633 Bulls Selected' and 'POWERED BY USJersey'. The table has columns for Pedigree, Registration ID, Full Name, NAAB Number, Polled, Beta Casein A2, GFI, BBR, Breed Group, AI Status, JPI, and PFI. The table contains 10 rows of bull data.

Pedigree	Registration ID	Full Name	NAAB Number	Polled	Beta Casein A2	GFI	BBR	Breed Group	AI Status	JPI	PFI
	RU16A000115465125	IK WILSONVIEW SWORD MASTER (B) ET	7/81532		A1/A2	7.8	100	S	A	87	
	JE48000128536266	BW VALENCIA-CT	55/1E1887		A2/A2	8.5	100	S	C	-3	
	RU16A000115467554	IK SUNSET CANYON GOD MAID (B) ET	55/1E1656		A1/A2	8.5	100	S	A	118	
	JE48000140209988	JK FANSA BROTHERS KDEC (B) ET	200E1142	P		8.9	100	S	A	116	
	JE48000132350000	JK SEDING AVON CHAMPION (B) ET	55/1E1675		A2/A2	7.4	100	S	A	1	
	JE48000132250911	JK SEDING AVON PULSAR (B) ET	55/1E1669		A2/A2	7.5	100	S	A	26	
	JE48000133234710	RIVER VALLEY CCCC CHOICE	200E10027			8.9	100	S	A	9	
	JE48000121507529	DURRY DUBLIN P-ET	97E1196	P		8.8	100	S	G	86	
	JE48000127807531	DURRY DILLAN RAIDER P-ET	147E0426	P	A1/A2	8.8	100	S	A	100	
	JU16A000119810908	HELMAR KOPAN (B) ET	147E0428		A2/A2	9.1	100	S	A	81	
	JE48000140271373	JK FANSA BROTHERS ALTAGMAT (B)	11E1130		A1/A2	8.1	100	S	A	76	

B Pedigrees

USJersey offers ease of pedigree pulling for all bulls in the bullseye list. You can easily pull a pedigree on the desired bull quickly by clicking the 3-generation pedigree icon within the row for the desired bull.

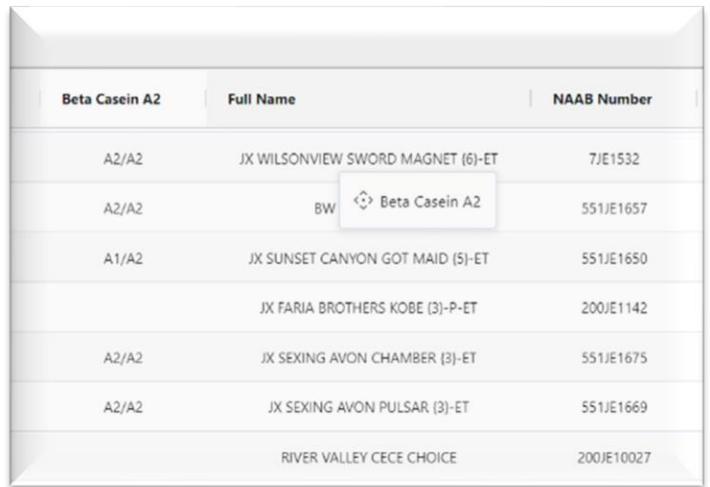
A new web browser tab will be opened with the bull pedigree with the most current and accurate information to date. You can then print or simply view the pedigree.



	JE840003127607529
	JE840003127607534
	JEUSA000119875908
	JE840003140371373

C Column Rearranging

We realize that not one size fits all, some may want columns in a different order to make it easier to view. So, all columns within the bull list can simply be rearranged by clicking and dragging the header of the desired column to any position you would like and drop. Also, whatever order the columns are in are the order that they export to excel making it more streamlined than ever.



Beta Casein A2	Full Name	NAAB Number
A2/A2	JX WILSONVIEW SWORD MAGNET (6)-ET	7JE1532
A2/A2	BW  Beta Casein A2	551JE1657
A1/A2	JX SUNSET CANYON GOT MAID (5)-ET	551JE1650
	JX FARIA BROTHERS KOBE (3)-P-ET	200JE1142
A2/A2	JX SEXING AVON CHAMBER (3)-ET	551JE1675
A2/A2	JX SEXING AVON PULSAR (3)-ET	551JE1669
	RIVER VALLEY CECE CHOICE	200JE10027