



Parts of the Genomic Testing Center on infoJersey.com have been redesigned so Jersey breeders can better manage genotyping conflicts and issues. All animals with genotyping conflicts are now grouped in single location on the “Genomic Conflicts” page. Options enable breeders to easily view and accept suggestions for ancestry conflicts and communicate with Herd Services at the American Jersey Cattle Association (AJCA), if desired.

The new “Genomic Conflicts” page can be accessed through the infoJersey dashboard. Hover over the “Services” link, then the “Genomics” and then the “Genomic Conflicts” links in the dropdown menu.

Additionally, the order process on the Genomic Testing Center has been redesigned to ensure Jersey breeders choose the appropriate genotyping test for Unregistered (UR) or Generation Count (GC) bulls.

In this month’s Jersey Jargon, we will explain how to use the Genomic Conflicts page and briefly discuss genotyping options for bulls without Herd Register status.

Genotyping Conflicts

Almost all genotyping requests yield a genetic evaluation from the Council on Dairy Cattle Breeding (CDCB). However, there are occasions when information provided by the breeder cannot result in an animal with DNA of the sample submitted. When this happens, the CDCB notifies the AJCA of the conflict. An animal will not receive an official genomic evaluation until the conflict is resolved.

With the redesign of the Genomic Conflicts page, all conflict information is now conveniently located in one place.

Here, you have options to list animals by conflict reason, ownership, sex, and date received. You can also search for an individual animal by registration name or number.

You can also export all conflict information into an Excel document by clicking on the blue “Export Conflicts” button. This is useful for resolving conflicts for large numbers of animals. Information for each animal with a conflict includes:

- conflict type (sire, dam, maternal grandsire or sire and dam)
- owner name
- date received

- animal registration identification, name, birth date, sex and tattoo/tag
- sire identification, name, NAAB code and status (conflict, confirmed or untested); suggested sire identification, name and NAAB code
- dam identification, name and status; suggested dam identification and name
- maternal grandsire identification, name, NAAB code and status; suggestions for up to four maternal grandsires are also given if there is a conflict with this ancestry

As well, there is a column that indicates whether an animal is to receive a genetic evaluation or not.

To accept a suggested ancestor for any animal, simply check the box beside its name and then click on the “Accept Conflicts” button. You can also accept all suggestions by checking the “Select All” box in the column headings and clicking “Accept Conflicts.”

If you would like to send a message to Herd Services, enter it in the “Conflict Acceptance Notes” field before you click the “Export Conflicts” button.

Once you accept the ancestry suggestions, the text in the column for “Accepted Conflicts” will change from “No” to “Yes.” When an animal receives a genetic evaluation, it will be dropped from this list.

Please note this listing includes all animals associated with an AJCA account with genotyping conflicts, regardless of the nominating organization.

Common Causes for Conflicts

The two most common causes for disqualified dams are: the wrong Jersey is tested, or calves have been switched at birth. Dam conflicts will be

coded as either “conflict” or “untested” on the Genomic Conflicts page

Typical sire conflicts arise when the wrong Jersey is tested, calves are switched at birth, or dams are bred to different sires than intended and recorded. As with dams, sire conflicts will be coded as either “conflict” or “untested.”

Unregistered or Generation Count Bulls

Bulls that do not qualify for Herd Register (HR) status must be genotyped and declared free from the undesirable traits BLAD, DUMPS, SMA, SDM, HH1, HH3 and HH4 before they can be registered. This includes GC bulls and JX bulls with one or more ancestors of another breed within six generations.

The minimum genotyping test available to accomplish this is the Low Density (LD 94K) chip. If you inadvertently choose the Ultra-Low Density (ULD 9K) chip when ordering, you will be notified and given opportunity to choose the LD 94K chip

(continued to page xx)



Conflict Type	Owner Name	Date Received	Reg ID	Animal Name	Birth Date	Sex	Tattoo / Tag
Sire Conflict
Sire Conflict
Sire Conflict
Sire Conflict
Sire Conflict
Sire Conflict
Sire Conflict
Sire Conflict
Sire Conflict
Sire Conflict
Sire Conflict
Sire Conflict

The Genomic Conflicts page can be found off the infoJersey dashboard (top). Conflicts can now be easily managed in a single location (middle and bottom). Jersey breeders can also send messages to the AJCA Herd Services by entering information in the “Acceptance Notes” field.

Jersey Jargon

(continued from page xx)

before placing your final order.

Order Test Kits

Last year, more than 53,000 Jersey females were genotyped. The technology is an increasingly viable whole herd management tool. No longer just for the proliferation of elite genetics, genotyping is useful for mating and culling decisions across the herd.

Genotyping can be ordered for any Registered Jersey through the infoJersey dashboard. The “Order Test Kits” link can be found in the same dropdown menu as the “Genomic Conflicts” link.

A variety of test options ensure you will find just what you need to manage your herd. Herd owners enrolled on REAP are entitled to reduced genotyping fees. For these herds, ULD 9K tests are available for \$28 per animal; LD 94K tests are \$37 each. Add-on tests for A2 beta-casein (\$2), BVD-PI (\$5) and horned/polled (\$25) are also available. Stand-alone tests without genotypes are available for the milk proteins A2, beta lactoglobulin, kappa casein and beta casein AB (\$16 each) and for horned/polled, A2 and JH1 (\$45 each).

If you have questions about genotyping or ordering test kits, contact Herd Services at 614-861-3636 or email herdservices@usjersey.com.