

parentage DNA—another cog in the quality assurance wheel. In addition, packaged semen is checked (via a DNA test) to make sure the straw is accurately identified. Tests can also be conducted to see if more than one bull's semen is packaged in a straw.

FREEMARTIN

While the odds of a freemartin heifer (heifer born twin to a bull) being fertile aren't good (12%), most dairy producers would prefer not to cull a fertile heifer. At Genetic Visions, a lab technician looks for male DNA in the female's blood sample. If found, the heifer is coded as a freemartin (infertile). From birth and beyond, the female's blood can be tested for \$25 per sample. Both commercial dairy producers and registered cattle breeders find this test economically relevant. Also, many veterinary clinics utilize this test.

COAT COLOR

Whether it's for the showring, the potential to market registered offspring or for heat stress tolerance, many Holstein breeders around the world want RED. At \$40 per sample, Genetic Visions uses DNA techniques to quickly identify red-carrier, true red and true black Holsteins. On the other hand, beef breeders typically seek black genes. Again, Genetic Visions uses DNA techniques to discover coat color – actual and carrier.

RECESSIVES

After their initial discovery, Genetic Visions tested for several simple recessive defects, such as BLAD, CVM, citrullinemia and deficiency of uridine monophosphate synthase (DUMPS). Typically, genetic recessive traits cause embryonic death, abortions, stillborn calves or early death.

Currently, most of the tests performed at Genetic Visions are for the dairy industry, followed by the beef industry. However, Cowan said the company's tests can be applied to most species.

Genetic Visions' technologies provide several selection enhancement tools to give purebred seedstock breeders, commercial producers and allied industry the ability to build more profitable cows and A.I. sires.

For more information and details about other tests, contact Genetic Visions at 608-662-9170 or info@geneticvisions.com or go to www.geneticvisions.net.

ACCELERATED GENETICS SUPPORTS JERSEY SCHOLARSHIP FUND



Joel Groskreutz, President and Chief Executive Officer of Accelerated Genetics (center right), presents a check for \$1,750 to AJCA President David Chamberlain for the general scholarship fund managed by the American Jersey Cattle Association. Also pictured, from left, are Neal Smith, AJCA Executive Secretary & CEO; Dr. Gonzalo Maldonado, owner of Tri-State Ltda., Bogotá, Colombia, and president of the World Jersey Cattle Bureau; Dr. Ole Meland, Vice President of Genetics, Accelerated Genetics; and 2008 National Jersey Queen Kristin Hogan holding the No. 14 giclée print of "Wide Load Ahead."

To a wave of appreciative applause from Jersey enthusiasts packed into the Top of the World sale arena on September 29 in Madison, Wis., officials of Accelerated Genetics, Baraboo, Wis., presented a check for \$1,750 in support of the AJCA Scholarship Fund.

"We at Accelerated Genetics believe that it is important to make investments in our youth, as our future relies on these outstanding individuals," said President and CEO Joel Groskreutz, who was joined in making the presentation by Dr. Ole Meland, Vice President of Genetics, and Dr. Gonzalo Maldonado, owner of Accelerated affiliate Tri-State Ltda., Bogotá, Colombia, and current president of the World Jersey Cattle Bureau.

"We have had a very good relationship with the American Jersey Cattle Association," Groskreutz added, "and this is one way for us to give back to a wonderful organization."

David Chamberlain, President of the American Jersey Cattle Association, and Neal Smith, Executive Secretary and CEO, accepted the contribution, the largest donation made to the Jersey educational endowment during 2009.

The donation was recognized in return with the presentation of the No. 14 giclée canvas print of "Wide Load Ahead."

14 is the marketing code number assigned to Accelerated Genetics by the National Association of Animal Breeders, and thus included in the stud codes of the current breed leader for Jersey Performance Index™, 014JE00473 Tollenars Impuls Louie 260-ET. The company has moved forward quickly with the adoption of genomic testing for high genetic merit Jersey bulls, and offers the second- and third-high code G young sires ranked by JPI™. Accelerated has also demonstrated its industry leadership in the sampling of Genetic Diversity program bulls, including past breed leaders 014JE00365 O.F. Mannix Rebel-ET and 014JE00406 Wilderness Blueprint.

"With the growth of the Jersey breed," Groskreutz continued, "our focus and commitment is to continue to sample even more Jersey bulls than we have in the past. The future for the Jersey breed is bright and we intend to be there to do our part as well."

"We are grateful to Accelerated Genetics for this significant investment in the human capital of the Jersey breed," Chamberlain said. "Because of the financial support given by companies like Accelerated over the past several years, the AJCA has been able to increase educational opportunities for young people who are preparing to become the next generation of leaders in the Registered Jersey™ business."