

New genomic services for Canadian niche breeds

Edmonton, AB – The Delta Genomics Centre is now providing services through the Canadian Livestock Records Corporation (CLRC).

The services provided by Delta Genomics include parentage verification, genetic condition testing, and genomic profiling. Every single registered Dairy bull in Canada is genomically profiled and over 80% of the Beef breeds in Canada have access to genomic profiling technologies. This new partnership between the CLRC and Delta Genomics will give more breeds access to the latest genomic technologies that are re-shaping the Canadian livestock industry.

Delta Genomics is a not-for-profit biobanking, genotyping, and sequencing company located in Edmonton, Alberta that provides genomic services for the Canadian livestock industry. The goal of Delta Genomics is to utilize its services to improve the *Sustainability*, *Profitability*, and *Competitiveness* of the Canadian livestock industry.

“We are excited for the opportunity to be working with the CLRC to provide the Canadian livestock industry access to the latest genomics technologies” says Michelle Miller, Director of Operations at Delta Genomics, “genomic technologies are sweeping through the livestock industry and it’s important that we provide all Canadian producers access to these tools”.

In keeping with leading edge technology and member services, CLRC’s new partnership with Delta Genomics will provide SNP testing, an advanced form of genomic profiling, for identifying performance traits with its’ beef breeds, as well as the traditional DNA parentage tests.

“Although we are starting with only a few breeds, we believe that this technology is becoming the standard in the industry” reported Jim Washer, General Manager of CLRC. “Programming has been completed to allow breeders to submit their applications and we are excited to be moving in this new direction”.

With a long and purposeful history, CLRC has an important role to play in safeguarding the integrity of Canada’s pedigree livestock. As part of its Strategic Business Plan the CLRC is implementing many new initiatives to increase customer service, implement new technologies and improve processing turnaround time.

The CLRC is a not-for-profit organization with roots dating back to 1905. Incorporated under the Government of Canada’s Animal Pedigree Act, which regulates the keeping of animal pedigree records, CLRC currently provides registry services for well over fifty member breed associations. Delta Genomics was created in 2011 with the support of Livestock Gentec, an Alberta Innovates Centre of excellence at the University of Alberta, to help facilitate the transfer of innovative technologies into the livestock industry.