The Genome Canada Project

The plan is to sequence 30 of the most heavily influential sires in each of 5 major breeds. Sequencing is reading every piece of DNA including the actual genes from start to finish. This represents roughly 70% of the DNA present in each breed tested today.
The next step is to read 770,000 pieces of DNA on several hundred less influential sires, and then to read 50,000 pieces on several hundred more. This is for several purposes.

1. Establish a DNA database of Canadian beef breeds.
2. The database can be used for development of genetic marker tests
3. The database can be used for "validation" of commercially offered tests
4. The database will be used to find DNA markers that work across breeds to provide new tests that work in the commercial industry
5. The database will be used to develop "imputation", a technique that lets you test fewer pieces of DNA (eg: 6000) at a lower price, and then back calculates the missing DNA producing a higher value result
6. The database will be used to help incorporate genomic markers into EPD, resulting in EPD on young animals that are as accurate as if they had several progeny already.

When shipping a sample make sure that the sample is in a package that protects the semen from damage.

Samples ship to...

Delta Genomics
4244 TEC Centre
10230 Jasper Ave
Edmonton AB
T5J 4P6
Ph: 780-492-2538
Attn: Michelle Miller

These bulls are the bulls we were originally asked semen for:
Dalton
Driveur
Cynge
Cunia
Covino
Crack
Danigo
Dollar
Diagnostic
Bysantin

We basically require 1 vial or straw of each and they can be shipped thawed. There is a tax credit available for each bull.

Below are the Bulls we still need Semen on:
Dalton
Driveur
Crack
Mr. Double Challenger
Mr T 65S
MSD Defiance 5U
LW Challenger 294L
Buret 6Z
Prairie Blizzard
PTR Epic 83E
HSF Sam
Cavelock's 6N
Perry's Mr Double Challenge 32U

This is a very valuable project and we are fortunate to be involved, please check you're Tanks. We are in a bit of a time crunch with the lab, so any samples you can confirm on the list would be fantastic.

Please contact John Hanbidge for further details. Phone # 306 374-0763