



# KNOW YOUR GENES

## WEBINAR COURSE

The range of tools available to the beef seedstock industry is entering into an exciting new era – the era of DNA technology. DNA has countless potential applications within a seedstock beef operation, including parentage verification, management of genetic defects and improvement of important production traits, just to name a few.

In order to ensure that you are positioned to take advantage of this new technology, Southern Beef Technology Services (SBTS) & Tropical Beef Technology Services (TBTS), in association with the Beef CRC, will be conducting a webinar course over six weeks, with a different topic each week, aimed at informing and up skilling seedstock producers on the application of DNA technology.

The topics include, DNA Technology – Understanding the Basics, Utilising DNA for Parentage Verification, Managing Genetic Conditions with DNA, Utilising DNA to Change Type Traits like Coat Colour and Polledness, Improving Production Traits with DNA, plus How to Access the Cost-Benefit of Utilising DNA Technology within Your Operation.

The best part is you can access all of this information without even leaving the comfort of your home.

- ✓ The webinar course will allow you to go to a website each week and watch a live presentation by SBTS or TBTS staff on a particular topic.
- ✓ You view the presentation on your computer screen while listening through your computer speakers. You also have the ability to interact with the presenter during the session by typing questions into a specified area.
- ✓ Importantly, you only require a) an average internet connection and b) the ability to hear sound from your computer to be able to participate in the webinar course.
- ✓ You have the option of attending all sessions, or picking individual sessions that you might be particularly interested in.

**COST: There is no cost for attending the webinar course. It is completely free.**

**LEADING BEEF CRC  
SCIENTISTS WILL BE  
ONLINE TO ANSWER  
QUESTIONS**



# WEBINAR PROGRAM

DATE	TOPIC	START TIME			DURATION
		NSW QLD, VIC TAS	NT & SA	WA	
Monday June 20	<b>DNA Technology – Understanding the Basics</b> An introduction to DNA for the seedstock producer. What is DNA? What is a gene? What is a gene marker? What is a SNP? Overview of the current applications available for DNA based technologies within a seedstock operation.	8pm	7.30pm	6pm	45 Mins
Monday June 27	<b>Utilising DNA for Parentage Verification</b> Discussion on the importance of pedigree and the difficulties in obtaining accurate pedigree information. How can DNA assist with the identification of pedigree? What tools are available and what do they cost?	8pm	7.30pm	6pm	45 Mins
Monday July 4	<b>Managing Genetic Conditions with DNA</b> How can DNA be used to assist with the management of genetic conditions? For what genetic conditions are tests currently available? Discussion on the application of GeneProb within a seedstock operation.	8pm	7.30pm	6pm	45 Mins
Monday July 11	<b>Utilising DNA to Change Type Traits</b> What benefits does DNA provide when trying to change the genetics of your animals for type traits like coat colour and polledness? What tests are available, what do they cost and how reliable are they?	8pm	7.30pm	6pm	45 Mins
Monday July 18	<b>Improving Production Traits with DNA</b> Discussion on the use of DNA technology within your breeding program to improve commercially important production traits. What advantages does DNA technology offer? What are the limitations? Discussion on the incorporation of DNA information into BREEDPLAN EBVs and the role of Beef Information Nucleus.	8pm	7.30pm	6pm	45 Mins
Monday July 25	<b>Assessing the Cost-Benefit of DNA Technology</b> What considerations do you need to make before using DNA technology within your herd? Analysis of the cost-benefit of using DNA technology within a case study herd.	8pm	7.30pm	6pm	45 Mins

**HOW TO REGISTER:** To register for this webinar course, simply go to the SBTS or TBTS web site and select “Webinars” from the menu on the left hand side of the home page. From within the webinars screen, simply click on the title of the webinar that you wish to attend. Once you have registered, a link to the webinar will be sent to your email address. Then when it’s time for the webinar to start, you just need to click

on the link and you will be taken into the webinar.

While it is recommended to register beforehand, if you have not registered prior to the start of the webinar you can still attend the webinar by following the above steps, however you will be directed straight into the webinar rather than being sent an email. The downside is that you may miss the beginning of the webinar.

**If you would like further information on this webinar course please contact:**



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