

DNA Committee Report June 19, 2019

BACKGROUND

The TLBAA Board of Directors passed a new rule in 2018 requiring members to DNA test and parent verify all bull calves born on or after January 1, 2019 as part of their registration. During a TLBAA general membership meeting last year, members present voted to rescind the rule and create a “DNA Committee”. The committee would have six members and would also include two TLBAA Board Members. The Committee would review DNA alternatives and develop three options to present to TLBAA membership for consideration.

The following individuals volunteered and/or were selected to serve on the Committee:

Jim O'Connor, Chairman
Brent Bolen, Member
Ryan Culpepper, Member
Ross Ohlendorf, Member
Christy Randolph, Member
Felix Serna, Member
Jeremy Johnson, Alternate Member

* Dora Thompson, TLBAA BOD
* Russel Fairchild, TLBAA BOD Liaison

□ The Committee selected and invited Dora Thompson and Russell Fairchild to be the two TLBAA Board Members on the Committee and they graciously accepted.

The Committee actively sought information and insight from multiple sources, including, general membership, TLBAA BOD, and TLBAA staff. The Committee met several times via teleconference to discuss DNA options and shared input they had received from other members as well as their own insights and comments. A list of policy options was developed in order to assist the Committee in developing three options for General Membership's consideration.

The Committee decided on the following list of three options.

DNA OPTIONS

1. Voluntary

Leave current DNA policies in place. Members may elect, at their sole discretion, to submit DNA test results to TLBAA using current TLBAA procedures.

Leave AI Certification requirements and acceptance of ITLA AI Certified bulls as it is currently.

TLBAA will include information on registration certificates and in HORNS indicating animals that either have DNA information and/or parental verification on file.

DNA costs to be paid by members electing to utilize DNA testing (see DNA Testing Price List below).

2. Mandatory SNP/STR Testing with Immediate Parental Verification

In order to be registered with TLBAA, all calves (bulls, steers, and cows) born on January 1, 2021 and thereafter will be required to have SNP and/or STR DNA testing and provide parental verification requirement.

Leave AI Certification requirements and acceptance of ITLA AI Certified bulls as it is currently.

TLBAA will include information on registration certificates and in HORNS indicating animals that either have DNA information and/or parental verification on file.

DNA costs to be paid by members for DNA testing (see DNA Testing Price List below.)

3. Mandatory SNP/STR Testing with 2nd Generation Parental Verification

In order to be registered with TLBAA, all calves (bulls, steers, and cows) born on January 1, 2021 and thereafter will be required to have SNP and/or STR DNA testing. The results of the DNA test will be kept on file with TLBAA. Parental Verification will NOT be required unless both parents already have their DNA on file with TLBAA.

Any offspring with SNP/STR of both parents filed with TLBAA will be parental verified by TLBAA.

Leave AI Certification requirements and acceptance of ITLA AI Certified bulls as it is currently.

TLBAA will include information on registration certificates and in HORNS indicating animals that either have DNA information and/or parental verification on file.

DNA costs to be paid by members for DNA testing (see DNA Testing Price List below.)

DNA TESTING PRICE LIST

PRICE PER ANIMAL TESTED

- SNP for parent verification.....**\$15.00**
- STR for parent verification.....**\$15.00**
- **BUNDLE** (STR & SNP) for parent verification.....**\$25.00**
- **GGP50K** for parent verification.....**\$50.00**
 - Includes one SNP DNA Test
 - In herd EPD capability with Igenity Beef Add-On.....**\$10.00**

SAMPLE TEST SUPPLIES:

- Blood Cards.....\$0.50 per card (10 card minimum order)
- Hair Cards.....\$1.00 per card (10 card minimum order)
- Tissue Sampling Unit.....\$21.00 for 10-unit pack
- Tissue Sampling Applicator Gun..... \$45.00 each

Additional Fees to be expected:

- \$4.00 fee on ALL Hair Card Tests
- \$10.00 TLBAA processing fee per animal
- Shipping and Handling
- Labor

INCREASED COSTS FOR DNA/REGISTRATION

ASSUMPTIONS:

Herd Description:

1 – Bull (assumes same bull for all years)

10 – Cows (assumes same 10 cows for all years)

10 – New calves per year (registering all)

Cost assumes pulling tail hairs for DNA testing

Cost assumes \$10.00 per animal fee to TLBAA to cover their costs to administer DNA

Option 1 - Voluntary

This option is 100% voluntary. Since this option does not require any DNA it does NOT change TLBAA registration costs

Description	1st Year	Subsequent Years	Total Additional Costs*	\$0.00
				\$0.00

Option 2 – Mandatory SNP/STR Testing with Immediate Parental Verification

Description	Quantity	1 st Year	Subsequent Years
Bull SNP/STR	(1, 0)	\$15.00	\$0.00
Cows SNP/STR	(10, 0)	\$150.00	\$0.00
New Calves SNP/STR	(10, 10)	\$150.00	\$150.00
Hair Cards	(21, 10)	\$84.00	\$40.00
TLBAA Admin Fee	(21, 10)	\$210.00	\$100.00
Total Additional Costs*		\$609.00	\$290.00

Option 3- Mandatory SNP/STR Testing with 2nd Generation Parental Verification

Description	Quantity	1 st Year	Subsequent Years
Bull SNP/STR	(0, 0)	\$0.00	\$0.00
Cows SNP/STR	(0, 0)	\$0.00	\$0.00
New Calves SNP/STR	(10, 10)	\$150.00	\$150.00
Hair Cards	(10, 10)	\$40.00	\$40.00
TLBAA Admin Fee	(10, 10)	\$100.00	\$100.00
Total Additional Costs*		\$290.00	\$290.00

□ Does not include costs of supplies, labor, and shipping/handling