

Catalog Key

P/H

P - Polled, Dbl P - Double Polled (*sire & dam are polled*), H - Horned, P/Scurred - Polled/Scurred,

Homo Polled - Homozygous Polled (*will sire only polled calves*),

Multi Polled - Multiple Polled (*Dam is at least double polled in addition to the sire being polled*)

Color

Blk - Black, DB - Dbl Black (*Sire & Dam both black*)

Multi Black - Multiple Black (*dam is at least double black in addition to the sire being black*),

Homo Black - Homozygous Black (*DNA coat tested to only sire black calves*). Bulls without IGENITY DNA test scores may be homozygous black, but were not tested.

ADG

Average Daily Gain from weaning weight to Feb. 12 weight except for the fall bulls that would be 130 days past yearling weight.

EPDs

Expected Progeny Difference - expected pounds above or below the breed average for birth weight (BW), weaning weight (WW), yearling weight (YW), milk, or inches for ribeye (RE) and marbling (Mb).

Dam's Progeny WWR

The number of calves the dam has weaned and their avg adj. weaning weight ratio.

WW - Adj. weaning weight and ratio

YW - Adj. yearling weight and yearling weight ratio

FS - Frame Score

SC - Scrotal Circumference adjusted to 365 days

Breed - AN - Black Angus, AR - Red Angus, GV - Gelbvieh, numbers in front indicate the percentage of each breed in the animal.

Carcass Ultrasound measurements will be available sale day.

IGENITY DNA Tests

Docility: IGENITY profile for docility is the animal's genetic potential to be extremely calm, or to have calm offspring. Higher scores from the IGENITY profile indicate a higher percentage of calves that possess calmer behavior. A group of calves with a score of 10 from the IGENITY profile means 30.3% more calves will possess acceptable behavior than a group with a score of 1.

Heifer Pregnancy Rate: Higher scores from the IGENITY profile for heifer pregnancy rate mean a higher percentage of heifers should become pregnant during the breeding season, which is measured at the first pregnancy check. In a group of heifers with a score of 10 from IGENITY, 10.18% more of them are expected to become pregnant than a group of heifers with a score of 1.

Stayability: The analysis for stayability from the IGENITY profile represents a female's ability to remain in the herd until six years of age or beyond. In a group of heifers with a score of 10 from IGENITY, 23.19% more of them are expected to stay in the herd until six years of age than a group of heifers with a score of 1.

Maternal Calving Ease: Higher scores from the IGENITY profile for maternal calving ease mean a higher percentage of unassisted births. A score of 10 from the IGENITY profile represents 12.93% more unassisted births than a score from IGENITY of 1.

Carcass Composition: The IGENITY profile scores for **Yield Grade** and **Ribeye Area (REA)** are calculated using multiple DNA markers that reflect the animal's genetic potential for these traits. For example, animals with an IGENITY profile score of 10 for REA will have a 2.56 in squared larger ribeye than animals which score a 1. REA is scored in square inches and Yield Grade in Yield Grade scores (1-5).

Carcass Quality: The IGENITY profile score for **Marbling** reflect extremely powerful multiple marker analyses which are indicative of an animal's potential for intramuscular fat deposition and Choice or better Quality Grade carcasses. The profile score for Marbling Scores translate to the 100 to 999 scale, where 400 represents low Choice. Marbling score is particularly useful in deciding between animals with similar marbling EPDs or ultrasound data.

Tenderness: The IGENITY profile score for Tenderness score represents animals' genetic potential for tenderness as measured by the Warner Bratzler shear force test, with 10 being the most tender and 1 the least tender.

Breed Average EPDs

<u>Breed Average EPDS:</u>	<u>BW</u>	<u>WW</u>	<u>YW</u>	<u>Milk</u>	<u>RE</u>	<u>MB</u>
<u>Gelbvieh:</u>	+1.3	+41	+75	+18	+1.10	-.03
<u>Balancer:</u>	-.1	+35	+74	+17	+0.08	+0.02
<u>Angus</u>	+2.1	+43	+79	+21	+1.13	+0.28