

GeneSTAR MVP Traits

GeneSTAR MVPs, or molecular value predictions, represent a new DNA era for genetic improvement in beef cattle. GeneSTAR MVPs use a panel of 56 DNA markers to predict an animal's genetic potential for feed efficiency, marbling and tenderness. MVPs help to identify the respective genetic merit of different animals, allowing you to make more informed selection and breeding decisions.

The ever increasing number of markers has led to the migration from stars to MVPs, which represent a significant leap forward in DNA technology. Now, with the expanded panel of markers, much more genetic variation is explained with higher reliability.

The GeneSTAR platform currently produces MVP's for the traits of feed efficiency, marbling and tenderness. As GeneSTAR MVP's are reported in trait units, it is important to understand how each of the traits assessed is defined and measured.

Feed efficiency is predicted on the basis of net feed intake, which measures the difference between an animal's actual and expected feed intake based on its body weight and growth rate. The GeneSTAR MVP for feed efficiency is reported in pounds of feeds and consumed per day compared to the predicted required feed intake in pounds with a **negative feed efficiency MVP value being favorable** (i.e., more feed efficient).

Marbling is a visual assessment of the degree of intramuscular fatness in the ribeye and is a predictor of overall eating quality. The GeneSTAR MVP for marbling is reported as USDA marbling score with a **positive marbling MVP value being favorable** (i.e., higher marbling score).

Tenderness is predicted on the basis of the peak force required to shear cooked steak after 14 days of postmortem aging. The GeneSTAR MVP for tenderness is reported on pounds of Warner-Bratzler shear force with a **negative tenderness MVP value being favorable** (i.e., more tender).

Green Valley Cattle

CATALOG CORRECTIONS AND ADDITIONS

March 6, 2010

Lot 1A – Retaining 50% Possession & Semen Interest

Lot 1C – EPD's were omitted. Should be:

BW	WW	YW	M	M&G
0.4	46.1	85.7	12.5	35.5

Lot 26A - Retaining 50% Possession & Semen Interest

Lot 26B - Retaining 33% Semen Interest only

Lot 26E - Retaining 33% Semen Interest only

Lot 31 – Withdrawn from sale

Lot 50 - Withdrawn from sale

Lot 52 – EPD's were omitted. Should be:

BW	WW	YW	M	M&G
-1.3	30.4	62.4	15.3	30.5

Lot 54 – Withdrawn from sale

Lot 57 - Retaining 33% Semen Interest only

Lot 77 – Name should be: **GVC NET WORTH 015W**

Seller retains the right to in-herd semen use on every bull selling.