

GeneSTAR RESULTS LEGEND

EXAMPLE REPORT

- *GeneSTAR EXAMPLE Results* -

EXAMPLE REPORT

Animal ID	Gender	Bar Code	Breed	
ABC	F	426732999	Simmental	Quality Grade
Reg No:	1234578			
Reg Name:	Example Animal ABC	<input type="checkbox"/> Publication		Tenderness
				Feed Efficiency
				GeneSTAR Black

GeneSTAR		RESULTS				GPD™
QG1	★ ★	QG2	★ ★	QG3	★ ★	33.86%
T1	★ ★	T2	★ ★	T3	★ ★	-2.2 lbs
FE1	★ ★	FE2	★ ★	FE3	★ ★	-3.96 lbs

EDED

HB

GeneSTAR Black Standard Result

Homozygous Black Result	Result	Symbol
The following results are <u>not</u> Homozygous Black:	EDED	HB
Most likely Black Coated, Red Carrier	EDe	not HB
Most likely Black Coated, Wild Type Carrier	E+ED	
Most likely Red Coated, Wild Type Carrier	E+e	
Most likely Red Coated, Double Red Carrier	ee	
Any Color Likely, Double Wild Type	E+E+	

GeneSTAR Quality Grade (QG1, QG2, QG3 and QG4) - Presented as the result of the four Quality Grade markers:

STAR Values – Indicate the value for each Quality Grade genes.

- Indicates the animal has 0 copies of the favorable gene
- Indicates the animal has 1 copy of the favorable gene
- Indicates the animal has 2 copies of the favorable gene
- RP* Indicates one or both of the values is still pending.
- NR* No result due to insufficient or poor quality sample.

Quality Grade GPD - For Quality Grade markers, a GPD™ is reported as the *increased* likelihood that a carcass will grade Choice or better, and is derived from independent third party validation results. The animal in the EXAMPLE REPORT with two Stars for QG1 and QG2 and 0 stars for QG3 and QG4 would be 13.46% more likely to have a Choice or better Quality Grade over an animal with no Quality Grade markers. For this animal the Quality Grade GPD™ would be +13.46.

GeneSTAR Tenderness (T1, T2, and T3) - Presented as the result combination of the three Tenderness markers:


STAR Values – Indicate the value for each Tenderness gene


- Indicates the animal has 0 copies of the favorable gene
- Indicates the animal has 1 copy of the favorable gene
- Indicates the animal has 2 copies of the favorable gene
- RP* Indicates one or both of the values is still pending.
- NR* No result due to insufficient or poor quality sample.


Tenderness GPD - The numerical value for GeneSTAR® Tenderness is reported in lbs of shear force (WBSF) and represents a reduction in the shear force required to cut a steak. It is derived from independent third party validation results. The animal in the EXAMPLE REPORT with two Stars for T1, zero Stars for T2, and zero Stars for T3 would require 0.7 pounds less shear force to cut a steak as compared to an animal with no markers for Tenderness. Thus, the Tenderness GPD™ would be -0.7.

GeneSTAR Feed Efficiency Tenderness (FE1, FE2, FE3, and FE4) - Presented as the result of the four Feed Efficiency markers:

STAR Values – Indicate the value for each Feed Efficiency gene

 Indicates the animal has 0 copies of the favorable gene

 Indicates the animal has 1 copy of the favorable gene

 Indicates the animal has 2 copies of the favorable gene

RP Indicates one or both of the values is still pending.

NR No result due to insufficient or poor quality sample.

Feed Efficiency GPD - The numerical value for GeneSTAR® Feed Efficiency is reported in lbs of food per day and represents a reduction in the pounds of feed eaten by an animal daily in terms of the NFI or the amount of feed needed to produce the same weight gain of an average animal. It is derived from independent third party validation results. The animal in the EXAMPLE REPORT with two Stars for FE1, two Stars for FE2, two Stars for FE3 and two stars for FE4 would require 3.96 pounds less feed per day as compared to an animal with no markers for feed efficiency in order achieve the same weight gain. Thus, the Feed Efficiency GPD™ would be -3.96.