

GE-EPD for Tenderness

American Brahman Breeders Association

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- March 2012 ABBA released its GE-EPD for Tenderness

- This was a joint effort of:



GE-EPD's for Tenderness incorporated:

- Pedigree information
- Phenotypes (2,300 Warner-Bratzler Shears)
- GeneSTAR genomic predictions for Tenderness (700 samples)

GeneSTAR marker information was converted to phenotype equivalents, and then included in the genetic evaluation model as a correlated trait.

- This means the impact of the genomic information disseminates beyond tested animals to parents, progeny and relatives.

Benefits of GE-EPD for Tenderness

- The integration of genomic information into the genetic evaluation for tenderness impacts the EPD, the associated accuracy and enables animals to get tenderness EPD's that otherwise would not have predictions.
- Genomics increased accuracy 3 to 9 percentage points. The accuracy benefit for genomically tested animals is generally greater for animals with lower initial accuracy
- This all helps to more dependably evaluate the Brahman population and drive genetic improvement through selection, mating and marketing