



THE POWERFUL NEW GENOMIC SELECTION TOOL

Built By The American Angus Association

ANGUSGS
Powered by Neogen GeneSeek





FOR ANGUS. BY ANGUS.

Angus GS™ is the new standard in genetic testing for Angus cattle.

- **More power**
- **More accuracy**
- **And more value**

As a new genomic profile for whole-herd genomic selection, Angus GS delivers the best aspects of our powerful traditions and market success.

Empowering Your Future With Genomics

Pick the best cattle from your seedstock herd. Use genomics to guide mating, management and marketing decisions. Use the power of DNA prediction to compete at a higher level.

The First Genomic Profile That's All About Angus.

- Angus-specific gene markers for improved accuracy
- A full 50K for genomic prediction
- Novel DNA content full of future opportunity
- A business opportunity for rapid, whole herd advancement

Saturated With Angus-Specific DNA Content

We've added 10,000 informative new Angus gene markers to our core content.

- High quality gene markers will improve prediction accuracy
- We'll better understand the inherited contributions from all ancestors

Novel DNA Traits For Our Future Success

The future is bright for mating plans that improve fertility and other key traits.

- With ongoing discovery built in, Angus GS gives you head start on future opportunity
- New potential to better understand healthy embryonic development, feed efficiency and meat tenderness



THE FULL 50K. BETTER FOR ANGUS THAN ANY OTHER 50K. EVER.

By moving to a new standard for genetic predictions, we can take full advantage of all 50K of Angus-specific content on the new Angus GS.

- More informative DNA data in the genetic evaluation
- 20% more genetic markers for greater insight
- Has all markers used in the Angus evaluation, no imputation required

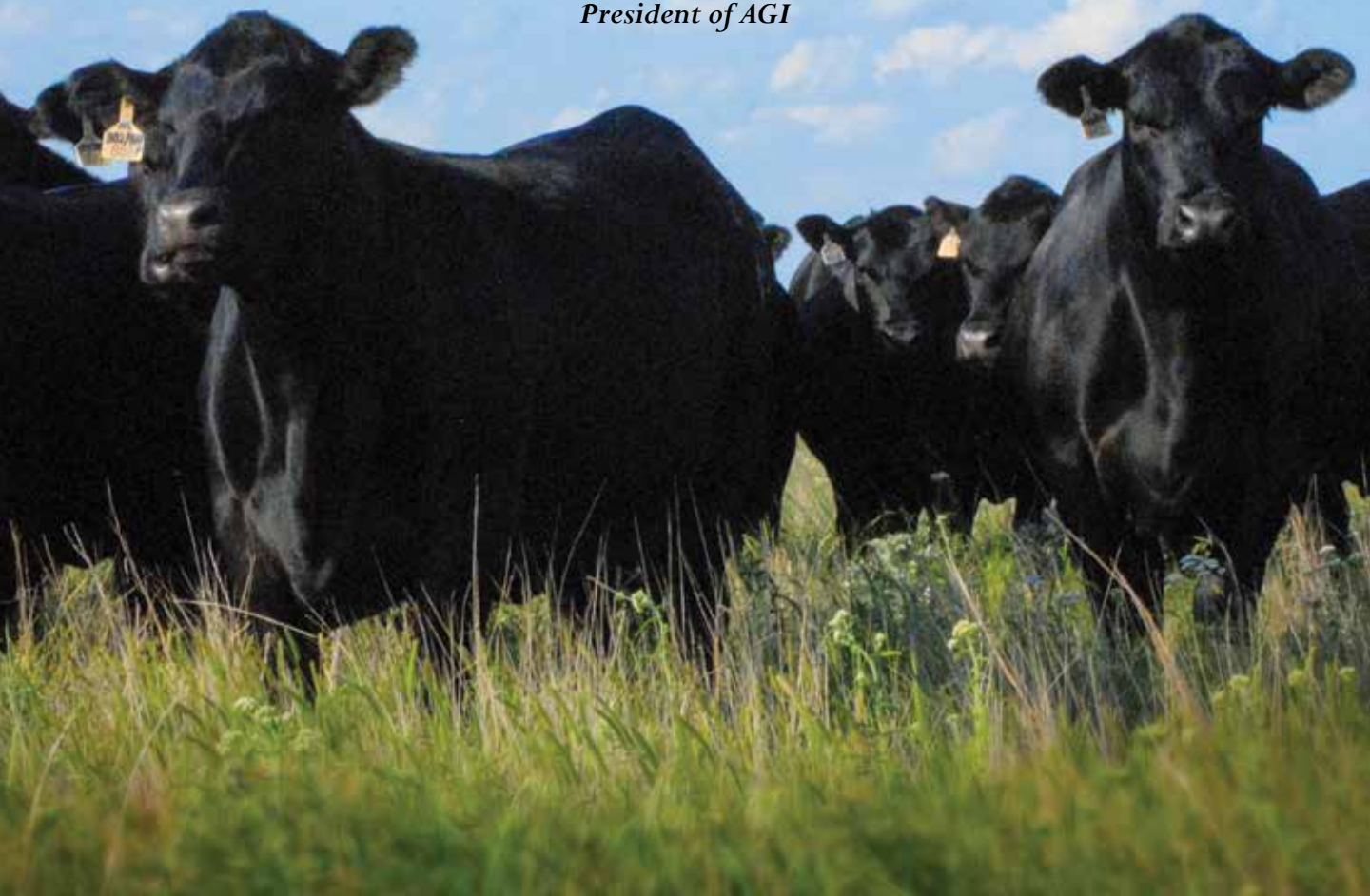
A Business Opportunity

The Angus GS is more than a DNA test. It's a new opportunity.

- You will know your cow herd better when you use DNA testing on your females
- Make mating decisions that better meet your customers' seedstock needs

*“It is up to all of us to leverage the power of our
massive genotype and performance database
and unleash the potential of genomics.”*

Dan Moser, PhD
President of AGI



PUTTING ANGUS GS TO WORK: THE ADVANTAGES OF WHOLE HERD GENOTYPING.

**Powerfully Affordable – Easy to Use, Angus GS Is The Best
DNA Profiler For Angus Seedstock Production.**

It Starts with DNA Sampling

For whole-herd genotyping, collect DNA in seconds with Allflex Tissue Sampling Units (TSU), a practical DNA collection system during routine cattle handling. Collect DNA in seconds. Fast. Clean. Easy.

Make the Best Plan for Your Whole Herd

Once, we only DNA-tested the top end of sale bulls. Today, Angus GS will help us select both males and females to produce future generations of superior sale bulls.



MANAGE BREEDING AND MATING PLANS PROACTIVELY.

Knowing Both Sides Of A Mating, We Can Improve Beneficial Traits While Breeding Around Less Desirable Qualities.

Genomically Enhanced EBVs – A Brand Builder for Your Herd

Heifer bulls with superior calving ease. Terminal sires with top-quality progeny. Thrifty bred heifers with strong fertility. Your customers count on these accuracies to achieve their goals.

Make Faster Progress, Reducing Generational Interval

Using Angus GS, profile males and females soon after they are born, saving years of risk and investment.

- Differentiate full-sibs, early in life
- Used with A.I. and E.T. tools, can move your program even faster



STAYING ON TOP OF THE FIELD.

Angus producers using Angus GS will lead the industry in breed improvement.

A Very Bright Future Ahead

The Angus GS is a powerful new product. As is. And, it is going to get better and better.

- **Fertility** – Angus GS detects blocks of DNA scientifically associated to embryo health. AGI scientists aim to pinpoint genes that enhance fertility.
- **Feed efficiency** – Angus GS detects genetic regions that affect feed efficiency in the Angus breed. AGI will continue to push ahead on efficient feed conversion.
- **Tenderness** – Angus GS contains standard tenderness markers plus genes that may influence meat quality in Angus cattle.
- **Great promise on the genomic frontier** – Included with Angus GS are potential markers for health traits and environmental adaptability.

ANGUS^{GS}

Powered by Neogen GeneSeek



angusaustralia.com.au

angus.org/agi



Angus GS™ is a trademark of Angus Genetics Inc.
Neogen® and GeneSeek® are registered trademarks of Neogen Corporation
Allflex® is a registered trademark of Allflex Australia