ANGUS SteerSELECT™

Powered by ANGUS GenetiQ™

Frequently Asked Questions

ANGUS AUSTRALIA

What changes can be expected?

From 28 April 2026, SteerSELECT™ results are:

- Genomic predictions reported as single percentiles (1–100)
- Aligned with Angus GenetiQ™ and TACE interpretation of percentiles.
- Updated with “Docility” relabelled to “Temperament”
- Incorporating Angus GenetiQ™ evaluation refinements
- Using an updated population for percentile ranking

These changes improve consistency and ease of use across Angus Australia genetic tools.

Why have these changes been made?

These updates, stemming from member feedback, have been introduced to improve consistency across Angus Australia genetic tools, including Angus GenetiQ™ and TACE. The percentile system also provides a more precise way to rank animals within the population.

Has the analysis of Angus SteerSELECT™ information changed?

Angus SteerSELECT™ genomic predictions are derived from the Angus GenetiQ™ evaluation, which has been updated as part of its ongoing refinement. These updates include revised genetic relationships between traits, along with an updated population used for Angus SteerSELECT™ percentile ranking (now 2020–2024).

These improvements enhance the accuracy and relevance of the genomic predictions and the benchmark used to compare animals. As a result, users may observe movement in Angus SteerSELECT™ animal rankings across traits.

Has my animal's genetic merit changed?

No. An animal's underlying genetic merit does not change — it is fixed at birth.

However, the estimated genetic merit, i.e. genomic prediction reported, may change when improvements are made to the underlying genetic evaluation (including updates to genetic relationships between traits and the population used for percentile ranking). These updates refine how animals are compared within the population.

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Will my results change over time?

Yes. As new performance data is added to the Angus Australia database and the Angus GenetiQ evaluation continues to be refined, animals may be re-ranked relative to the population.

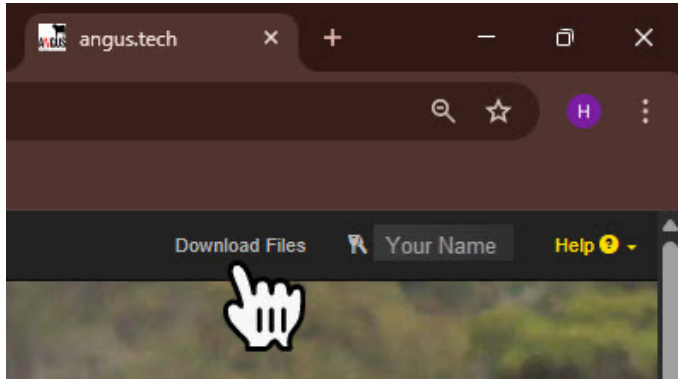
This means percentile rankings may change over time as the population changes, not because an animal's genetics have changed.

How often are results calculated?

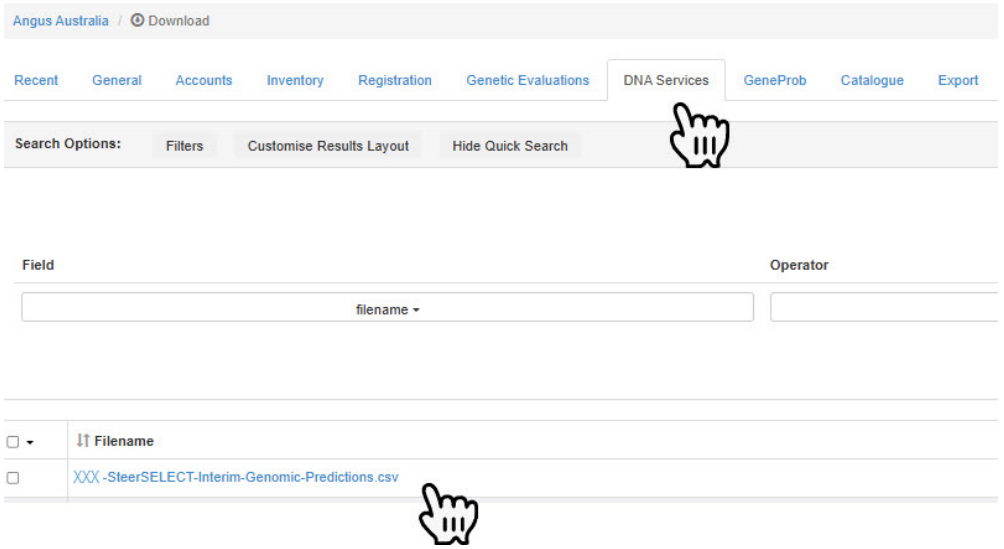
Angus SteerSELECT™ results are updated on a weekly basis.

Where do I access my results?

Once logged in to Angus.Tech navigate to your member “Download Files” section (located in the top right-hand corner next to your name).



Select the “DNA Services Tab” and locate the file. This file is named:
“XXX-SteerSELECT-by-AngusGenetiQ.csv”
(where XXX = your member ID)



As genotypes are processed and added to the analysis, newly available results will continue to appear in the same CSV file.

ANGUS SteerSELECT™

How should I use this in my herd?

SteerSELECT™ is designed to help you identify steers with superior genetic merit for growth, carcase performance, and eating quality traits, assist in feedlot and commercial slaughter decision-making, compare animals more accurately across key performance traits, and align steer identification with your broader production system requirements and target beef supply chains.

Do I need to change how I make decisions?

No. You can continue to use Angus SteerSELECT™ for commercial steer identification, feedlot decision-making, and culling or marketing decisions as you have previously.

However, the interpretation of the scale has changed. Previously, higher percentile values (closer to 100) represented higher-ranked animals. Under the updated system, this has been reversed so that lower percentile values (closer to 1) now represent higher-ranked animals for each trait.

The main improvement is that results are now shown as single percentiles, making it easier to identify animals at both the top and bottom of the population.

Decisions should still be based on your production system, market targets, and the traits most relevant to your enterprise.

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How do I interpret the results?

Genomic predictions are shown as percentiles where 1 = top 1% of animals and 100 = bottom of animals. Lower percentile values indicate higher ranked animals for that trait. However, what is considered desirable depends on the trait being considered and your production system requirements and supply chain objectives.

Does “best” always mean lowest percentile?

No. Lower percentiles generally indicate higher ranking, but the direction of improvement depends on the trait and your herd goals. For example, lower percentiles for growth traits indicate higher growth potential, lower percentiles for MSA Marbling indicate carcases with higher eating quality potential, and lower percentiles for rib fat indicate carcases with greater fat depth, which may not suit all systems.

Can I compare SteerSELECT™ to Angus GenetiQ™ or TACE?

No. In Angus SteerSELECT™, animals are ranked into percentiles relative to a population of Angus and Angus-influenced animals born between 2020 and 2024. The population used to calculate percentiles differ across SteerSELECT™, Angus GenetiQ™, and TACE. Therefore, genomic predictions from SteerSELECT™ are not directly comparable with percentiles from Angus GenetiQ™ or TACE. These tools are designed to be used together, rather than directly matched.

In Angus SteerSELECT™, the age of the population used to calculate percentiles will continue to be updated annually.

What reference population is used for Angus SteerSELECT™?

Angus SteerSELECT™ genomic predictions utilise the Angus GenetiQ™ reference population to determine the genetic merit of Angus SteerSELECT™ animals.

ANGUS SteerSELECT™

What traits are included in Angus SteerSELECT™?

- Yearling Weight
- Carcase Weight
- Eye Muscle Area
- Rib Fat
- MSA Marbling
- Temperament

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What are the trait descriptions within Angus SteerSELECT™?

TRAIT		DESCRIPTION
GROWTH	YEARLING WEIGHT	Lower Yearling Weight (YW) genomic predictions indicate the animal is expected to produce progeny with heavier live weights at 400 days of age.
CARCASE TRAITS	CARCASE WEIGHT	Lower Carcase Weight (CW) genomic predictions indicate the animal is expected to produce progeny with heavier carcase weights.
	EYE MUSCLE AREA	Lower Eye Muscle Area (EMA) genomic predictions indicate the animal is expected to produce progeny with more muscle and larger eye muscle area.
	RIB FAT	Lower Rib Fat (RIB) genomic predictions indicate the animal is expected to produce progeny with greater fat depth.
	MSA MARBLING SCORE	Lower MSA Marbling (MBL) genomic predictions indicate the animal is expected to produce progeny with higher marbling scores and more intramuscular fat
TEMPERAMENT	TEMPERAMENT SCORE	Lower Temperament (TEMP) genomic predictions indicate the animal is expected to produce progeny with more acceptable temperament (i.e. easier to handle).

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Does Angus SteerSELECT™ include an Overall Value?

Yes, Angus SteerSELECT™ includes the Angus Steer Value (ASV), which balances 5 traits that have an impact on efficiency, production, and profitability in most beef supply chains, particularly those that include lot feeding.

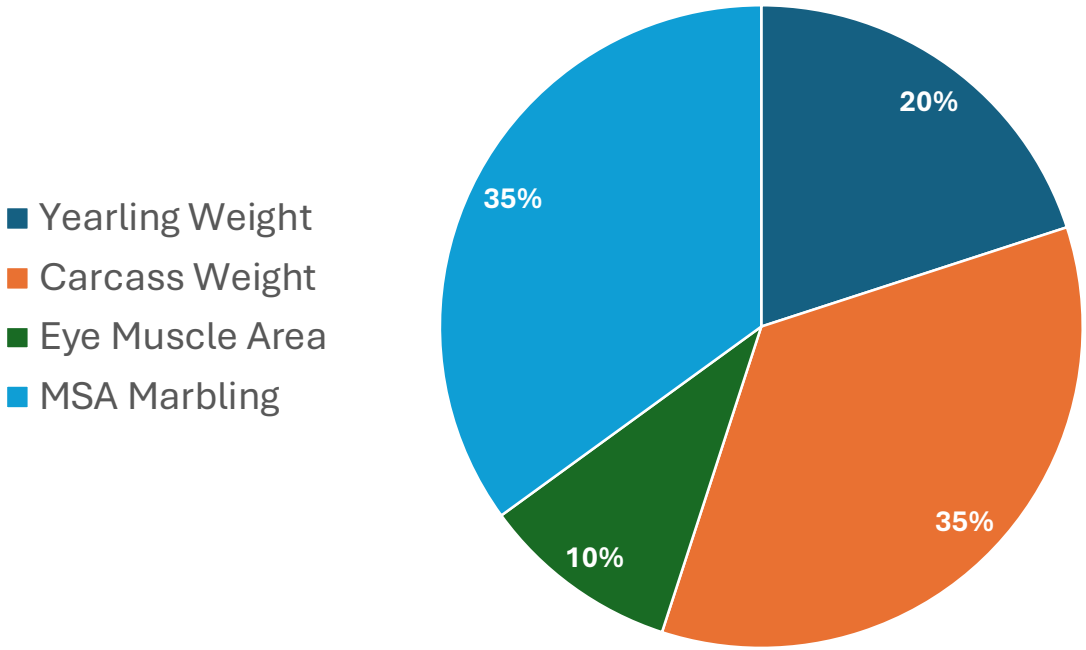
The Angus Steer Value assists in making “balanced” decisions to identify animals that have the genetic potential to suit specific beef supply chains. Higher Angus Steer
Values identify steers which have a balanced genetic profile with focus on beef quantity and quality.

What are the Genomic Prediction weightings of the Angus Steer Value?

The Angus Steer Value, reported in percentiles, includes emphasis on Yearling Weight (20%), Carcass Weight (35%), Eye Muscle Area (10%), MSA Marbling (35%).

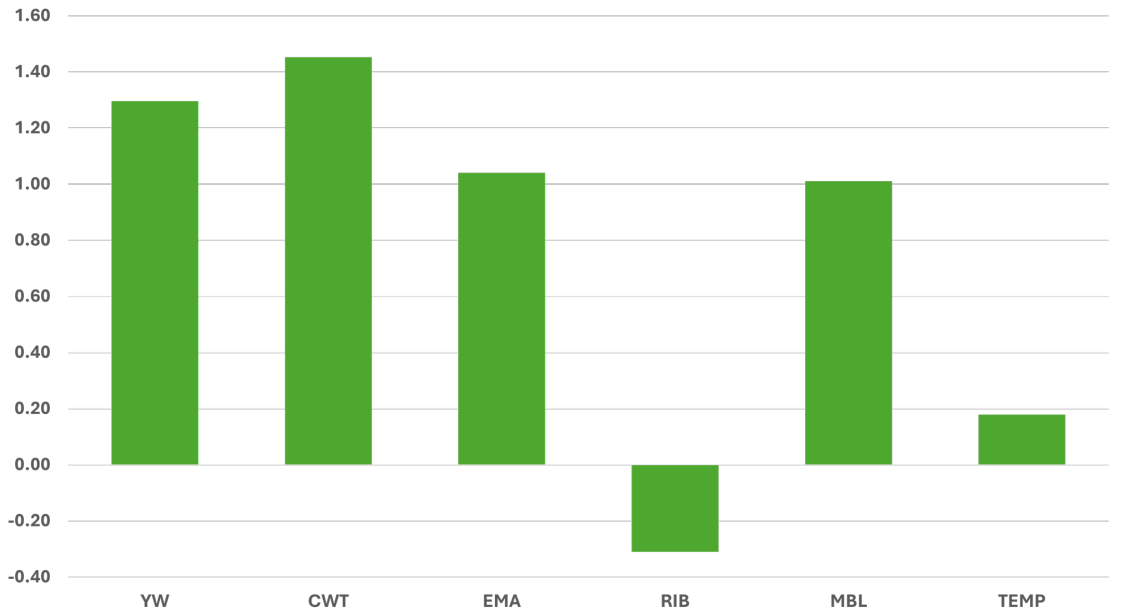
This chart shows the traits that are considered in the Angus Steer Value, and how much they contribute to the overall balance of the value. The larger the segment, the greater the impact. In the ASV, there is a focus on increasing the beef quantity (carcase weight, EMA) and quality (Marbling), while improving growth (Yearling Weight).

Angus Steer Value Trait Emphasis



What is the performance advantage of the Angus Steer Value?

The performance advantage of steers selected using the Angus Steer Value is shown in the below graph. The performance advantage is calculated by ranking all animals currently tested via SteerSELECT™ on Angus Steer Value, and comparing the average genomic predictions of the steers in the top 10% with the average genomic predictions of all steers.



ANGUS SteerSELECT™

How should I use Angus Steer Value in practice?

The Angus Steer Value provides a balanced selection index to help identify animals that perform well across growth, carcase, and eating quality traits. It is most useful when you want to:

- select steers for feedlot or commercial slaughter programs
- improve carcase and eating quality performance
- compare animals using a single combined value

However, selection priorities should still align with your production system and market specifications. If the Angus Steer Value does not align with your target marketing objectives, contact Jake Bourne to discuss a customised value.

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Who can I contact for help?

Your best contact for SteerSELECT™ is Jake Bourne,

Email: jake.bourne@angusaustralia.com.au

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