

Data Systems Australian Wagyu

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International Office and
Data Systems Manager

Overview

- Who is the AuWA?
- GeneProb – what is it?
- Using the EBV Search
- Helical Update
- Contemporary Groups
- Submitting useful data

FOR OUR MEMBERS. FOR THE INDUSTRY.



Australian Wagyu Association | wagyu.org.au



Who is the AWA

For our members, for the Industry

- > Largest global Wagyu registry – Started in 1989
- > 350,000 registered animals
- > 1500 members
- > 40 different countries: 660 international members
- > Working together in a combined global database for genetic improvement

International Membership

Across 40 countries

1,553

TOTAL
MEMBERS

404

USA MEMBERS

250

OTHER INT
MEMBERS

Comprehensive Genetic Analysis

What benefits do you get:






- Daily Parentage on 600,000 databased genotypes
- Complete single-step genetic analysis every two weeks
 - Updated EBVs for 14 traits important for Wagyu production
 - 4 Selection \$Indexes to enable maximum commercial returns
 - Genetic Diversity Index for eligible genotyped animal
 - Genomic Inbreeding calculated for eligible genotyped animal
- Monthly Geneprob update


On the World's largest and most accurate Wagyu genetic evaluation

GeneProb



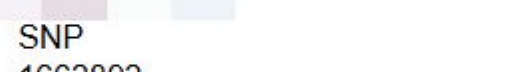
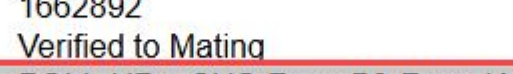
Interpreting the results

Genetic Condition Probability B3FU, CHSFU, CL16FU, F11FU, IARS5%
(Click for explanation):

Sire: 
Dam: 
Breeder: 
Current Owner: 
Genotype for PV: SNP
SNP #: 
Verified to Mating

OS Herdbook#: 
Progeny: None
EBV Graph: [\[View\]](#)

Genetic Condition Probability B3F, CHSF, CL16FU, F11F, IARSF
(Click for explanation):

Sire: 
Dam: 
Breeder: 
Current Owner: 
Genotype for PV: SNP
SNP #: 1662892
Verified to Mating

Gene Tests: POLL-HPc, CHS-Free, B3-Free, IARS-Non Carrier (Free), F11-Free
Progeny: None
EBV Graph: [\[View\]](#)



Navigating EBV Search

Whats on ▾ Members ▾ Who we are ▾ Industry ▾

SEARCH

AWA DATABASE

HOME

AWA HELICAL DATABASE

AWA FORMS AND GUIDES

WAGYU PORTAL

SALE CATALOGUES ▾

FIND A SUPPLIER

TRENDING NEWS

MEMBER SEARCH

ANIMAL SEARCH

THE

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Australian Wagyu Association | wagyu.org.au

Navigating EBV Search

The screenshot shows the Australian Wagyu Association website. The top navigation bar includes links for 'Whats on', 'Members', 'Who we are', and 'Industry', followed by a 'SEARCH' button and a red 'AWA DATABASE' button with a cursor icon. The main header features the 'AUSTRALIAN WAGYU ASSOCIATION' logo, the tagline 'advancing the world's luxury beef', and the text 'AWA PUBLIC DATABASE'. Below this, the title 'Wagyu Animal Enquiry by EBV' is displayed. A navigation menu at the bottom of the header includes links for 'Home', 'Animal Enquiry', 'EBV Enquiry' (highlighted with a red box), 'Mating Predictor', 'Member Enquiry', 'Sale Catalogues', 'Semen/Embryo Catalogues', and 'Download Files'. On the right side, under the 'TRENDING NEWS' section, there are two search boxes: 'MEMBER SEARCH' and 'ANIMAL SEARCH' (highlighted with a red box and a red arrow pointing to it from the left).

Navigating EBV Search

| Trait Description | Min | Max | Min. Accuracy (%) | Breed Avg * |
|-------------------------------|----------------------|----------------------|----------------------|-------------|
| Gestation Length (days) | <input type="text"/> | <input type="text"/> | <input type="text"/> | -0.3 |
| Birth Wt (kg) | <input type="text"/> | <input type="text"/> | <input type="text"/> | +1.3 |
| 200 Day Wt (kg) | <input type="text"/> | <input type="text"/> | <input type="text"/> | +11 |
| 400 Day Wt (kg) | <input type="text"/> | <input type="text"/> | <input type="text"/> | +19 |
| 600 Day Wt (kg) | <input type="text"/> | <input type="text"/> | <input type="text"/> | +26 |
| Mat Cow Wt (kg) | <input type="text"/> | <input type="text"/> | <input type="text"/> | +27 |
| Milk (kg) | <input type="text"/> | <input type="text"/> | <input type="text"/> | +0 |
| Scrotal Size (cm) | <input type="text"/> | <input type="text"/> | <input type="text"/> | -0.2 |
| Carcase Wt (kg) | <input type="text"/> | <input type="text"/> | <input type="text"/> | +22 |
| Eye Muscle Area (sq cm) | <input type="text"/> | <input type="text"/> | <input type="text"/> | +3.3 |
| Rump Fat (mm) | <input type="text"/> | <input type="text"/> | <input type="text"/> | -0.2 |
| Retail Beef Yield (%) | <input type="text"/> | <input type="text"/> | <input type="text"/> | +0.3 |
| Marble Score | <input type="text"/> | <input type="text"/> | <input type="text"/> | +1.4 |
| Marble Fineness (%) | <input type="text"/> | <input type="text"/> | <input type="text"/> | +0.23 |
| Self Replacing Index (\$) | <input type="text"/> | <input type="text"/> | | +191 |
| Breeder Feeder Index (\$) | <input type="text"/> | <input type="text"/> | | +250 |
| Fullblood Terminal Index (\$) | <input type="text"/> | <input type="text"/> | | +194 |
| F1 Terminal Index (\$) | <input type="text"/> | <input type="text"/> | | +169 |

Sort By ☒ Default ☐ Ascending ☐ Descending

On EBV Listing Display ☒ Name ☐ Identifier

* Breed Avg. EBVs for 2023 Born Calves ([Click for Percentiles](#))

[Explanation of EBVs and Indexes and Percentile Table for New Carcase traits and Fullblood Terminal Index](#)

Navigating EBV Search

| | |
|---|---|
| Colour: | <input checked="" type="radio"/> Any <input type="radio"/> Black <input type="radio"/> Red <input type="radio"/> Composite |
| Grade: | <input checked="" type="radio"/> Any <input type="radio"/> Fullblood <input type="radio"/> Purebred <input type="radio"/> 3rd X <input type="radio"/> 2nd X <input type="radio"/> 1st X <input type="radio"/> Base |
| Horn: | <input checked="" type="radio"/> Any <input type="radio"/> Horned <input type="radio"/> De Horned <input type="radio"/> Homozygous Polled <input type="radio"/> Heterozygous Polled <input type="radio"/> Polled Untested <input type="radio"/> Scurred |
| Name: | <input type="text"/> <i>Enter the start of an animals name</i> |
| Animal Identifier: | <input type="text"/> <i>Enter one or more animal registration numbers separated by commas</i> |
| Current Owner Identifier: | <input type="text"/> <i>Enter Membership # to view Herd Inventory</i> |
| Calving Year(s): | <input type="text"/> <i>Enter one or more calving years separated by commas</i> |
| Blood #: | <input type="text"/> |
| MiP #: | <input type="text"/> |
| SNP #: | <input type="text"/> |
| OS Herdbook#: | <input type="text"/> |
| Select if: | <input type="text"/> |
| Select if: | <input type="text"/> |
| Select if: | <input type="text"/> |
| B3 Status: | All Animals |
| CHS Status: | All Animals |
| CL16 Status: | All Animals |
| F11 Status: | All Animals |
| IARS Status: | All Animals |
| Country of Origin: | <input type="text"/> |
| Breeder Located: | Anywhere |
| <u>Herd Completeness of Performance Rating:</u> | All |
| Sire Identifier: | <input type="text"/> <i>Enter sire identifier to view his progeny</i> |
| Dam Identifier: | <input type="text"/> <i>Enter dam identifier to view her progeny</i> |
| Sort By: | Animal Name <input checked="" type="radio"/> Ascending <input type="radio"/> Descending |

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Navigating EBV Search

Entries: 1 ~ 10 of 550 are shown

[Hide EBVs](#) [Hide EBV Acc](#) [Show All Entries](#)

Selection Criteria: Animal is Female, Country of Origin: U.S.A, Marble Score $\geq +3$,



[Semen/Embryo](#)

[Home](#) [Animal Enquiry](#) [EBV Enquiry](#) [Mating Predictor](#) [Member Enquiry](#) [Sale Catalogues](#) [Catalogues](#) [Download Files](#)

| May (Run 2) 2025 Wagyu BREEDPLAN | | | | | | | | | | | | | | | | | | | |
|----------------------------------|-------------------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------|-------------------|-----------------|-------------------------|---------------|-----------------------|--------------|---------------------|---------------------------|---------------------------|-------------------------------|------------------------|--|
| Name/ID | Gestation Length (days) | Birth Wt (kg) | 200 Day Wt (kg) | 400 Day Wt (kg) | 600 Day Wt (kg) | Mat Cow Wt (kg) | Milk (kg) | Scrotal Size (cm) | Carcase Wt (kg) | Eye Muscle Area (sq.cm) | Rump Fat (mm) | Retail Beef Yield (%) | Marble Score | Marble Fineness (%) | Self Replacing Index (\$) | Breeder Feeder Index (\$) | Fullblood Terminal Index (\$) | F1 Terminal Index (\$) | |
| | +0.5 66% | +0.9 72% | +5 73% | +6 71% | +13 70% | +13 80% | -2 58% | -1.3 56% | +27 66% | +16.5 62% | -0.1 63% | +1.6 47% | +4.7 63% | +0.72 53% | +\$ 429 | +\$ 761 | +\$ 612 | +\$ 577 | |
| | -0.8 66% | -0.4 72% | +6 73% | +9 71% | +15 70% | +17 83% | +4 62% | -0.2 60% | +34 69% | +7.6 66% | -0.3 66% | +0.4 54% | +4.4 66% | +0.57 58% | +\$ 323 | +\$ 726 | +\$ 512 | +\$ 494 | |
| | -1.1 66% | +3.3 73% | +16 73% | +33 71% | +43 70% | +37 83% | +2 63% | -1.1 58% | +46 68% | +9.7 65% | -4.3 66% | +1.7 50% | +4.3 65% | +0.64 57% | +\$ 411 | +\$ 733 | +\$ 566 | +\$ 514 | |
| | +0.1 65% | -3.0 71% | -14 73% | -17 70% | -30 69% | -23 82% | -7 61% | -2.3 58% | -12 67% | +14.6 64% | +0.4 65% | +1.1 48% | +4.3 64% | +0.62 56% | +\$ 341 | +\$ 447 | +\$ 379 | +\$ 434 | |
| | +0.9 67% | +4.8 72% | +19 74% | +25 72% | +39 72% | +43 86% | -2 67% | -0.7 63% | +17 71% | +5.9 68% | +0.7 69% | -0.5 59% | +4.3 69% | +0.53 62% | +\$ 374 | +\$ 566 | +\$ 459 | +\$ 433 | |
| | 0.0 70% | -3.6 74% | -16 76% | -24 74% | -30 73% | -27 89% | -4 69% | -2.3 66% | -8 72% | +11.2 70% | +0.1 71% | +0.9 61% | +4.3 70% | +0.59 66% | +\$ 272 | +\$ 444 | +\$ 344 | +\$ 404 | |
| | -1.2 66% | +0.9 70% | +8 72% | +13 69% | +7 68% | +13 80% | -2 60% | -1.0 58% | +24 66% | +10.4 63% | +1.5 64% | +0.3 47% | +4.2 64% | +0.64 54% | +\$ 377 | +\$ 659 | +\$ 508 | +\$ 487 | |
| | -0.9 66% | +3.6 73% | +18 73% | +28 70% | +38 70% | +52 83% | 0 62% | -1.2 58% | +27 67% | +7.6 64% | -2.2 65% | +0.8 49% | +4.2 65% | +0.66 55% | +\$ 395 | +\$ 628 | +\$ 491 | +\$ 463 | |
| | 0.0 66% | -0.6 73% | 0 73% | +4 71% | +8 70% | +1 80% | -2 58% | -1.5 57% | +23 66% | +14.7 62% | +1.4 63% | +1.2 47% | +4.2 63% | +0.61 53% | +\$ 394 | +\$ 657 | +\$ 523 | +\$ 505 | |



Powered by Helical

Helical

One-stop shop

New and Improved

- > Quicker turn-around on parentage
- > More Versatile
- > Interactive

Helical Current View

Role: Owner

Animals

Test Requests

Account

Invoices

E

×

Q

View: Animal

Showing all columns

Export to CSV

| <input type="checkbox"/> AWA Ident ↑ | Name | Sire AWA Ident | Dam AWA Ident | Sex | DOB | Member ID |
|--------------------------------------|------|----------------|---------------|-----------|------------|-----------|
| <input type="checkbox"/> 2 | | | | ♀ cow | | |
| <input type="checkbox"/> 3 | | | | ♀ cow | | |
| <input type="checkbox"/> 4 | | | | ♀ cow | | |
| <input type="checkbox"/> | | | | ♀ cow | 2006-12-16 | |
| <input type="checkbox"/> 5 | | | | ♀ cow | | |
| <input type="checkbox"/> 6 | | | | ♀ cow | | |
| <input type="checkbox"/> 7 | | | | ♀ cow | | |
| <input type="checkbox"/> 8 | | | | ♀ cow | | |
| <input type="checkbox"/> 9 | | | | ♀ cow | | |
| <input type="checkbox"/> | | | | ♂ unknown | | |

Items per page: 10

1 - 10 of 3950

<

>

Role: Owner

 Animals


 Test Requests

 Account


 Invoices

Helical In progress

Overview

 Genomics

✓ PV

 Registrations

Performance

Quick Actions Click to collapse ▲

Common actions to help manage your animals. Click any button to view the matching records.



Show me 234 animals missing genotypes
9% of active animals



Show me 578 animals not registered
21% of active animals



Show me 897 animals without PV
33% of active animals



Show me 1025 genotyped but inactive animals
These may need status updates



Show me 468 recent animals not set as active
Born last year and need status updates

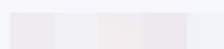


Invoices Overview Click to expand ▼

OUTSTANDING



OVERDUE



MANAGE INVOICES

[View Details](#)

Active Animals Statistics Click to expand ▼

ACTIVE
2689

SEX DISTRIBUTION

| | | |
|------|-------|-----|
| Bull | Steer | Cow |
| 30% | 4% | 65% |

GENOTYPED



REGISTERED



PV'D



Types of Data

Breedplan

- Weights
- Ultrasound Scan (live)
- Castration date
- Recip Information
- Carcase data (must have carcase camera Image)



Contemporary Group Basics

Born Together, Raised Together, Killed Together

To set up a comparative (contemporary group), use:

- Multiple animals
- More than 1 sire (there needs to be a genetic comparison)
- Account for males and females in your planning (50:50 chance)
- Animals need to be born in the same 60-day window
- Record actual BWT if you can
- Keep animals together (ie – measure together whole of life)

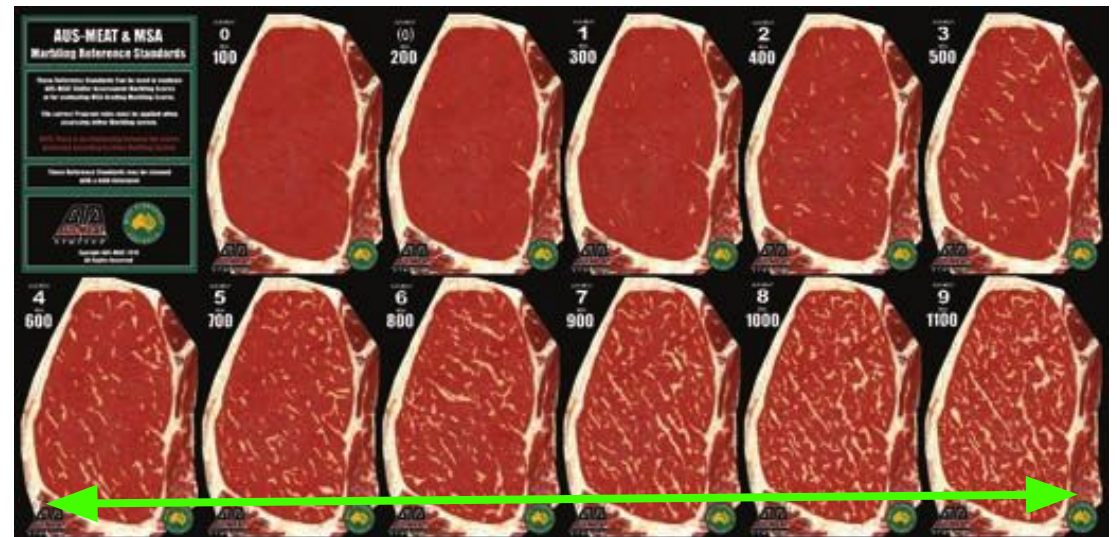
Carcase trait recording

All animals to be processed on the same day from same Contemporary Group (animals directly comparable whole of life)

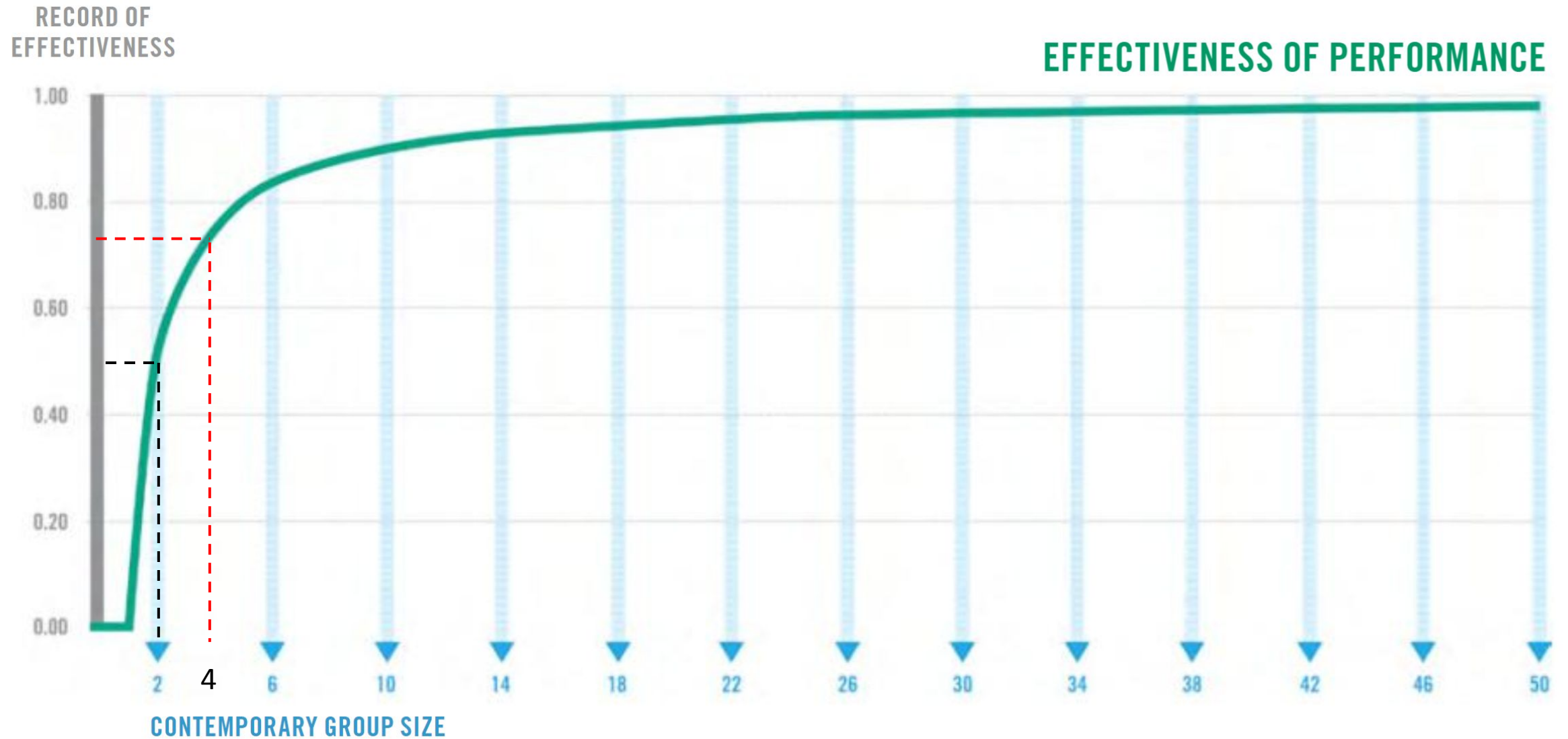
1. Carcase Weight
2. Eye Muscle Area
3. Digital Marble Percentage
4. Digital Marbling Fineness




100kg difference



Progeny effectiveness: target $n=4$



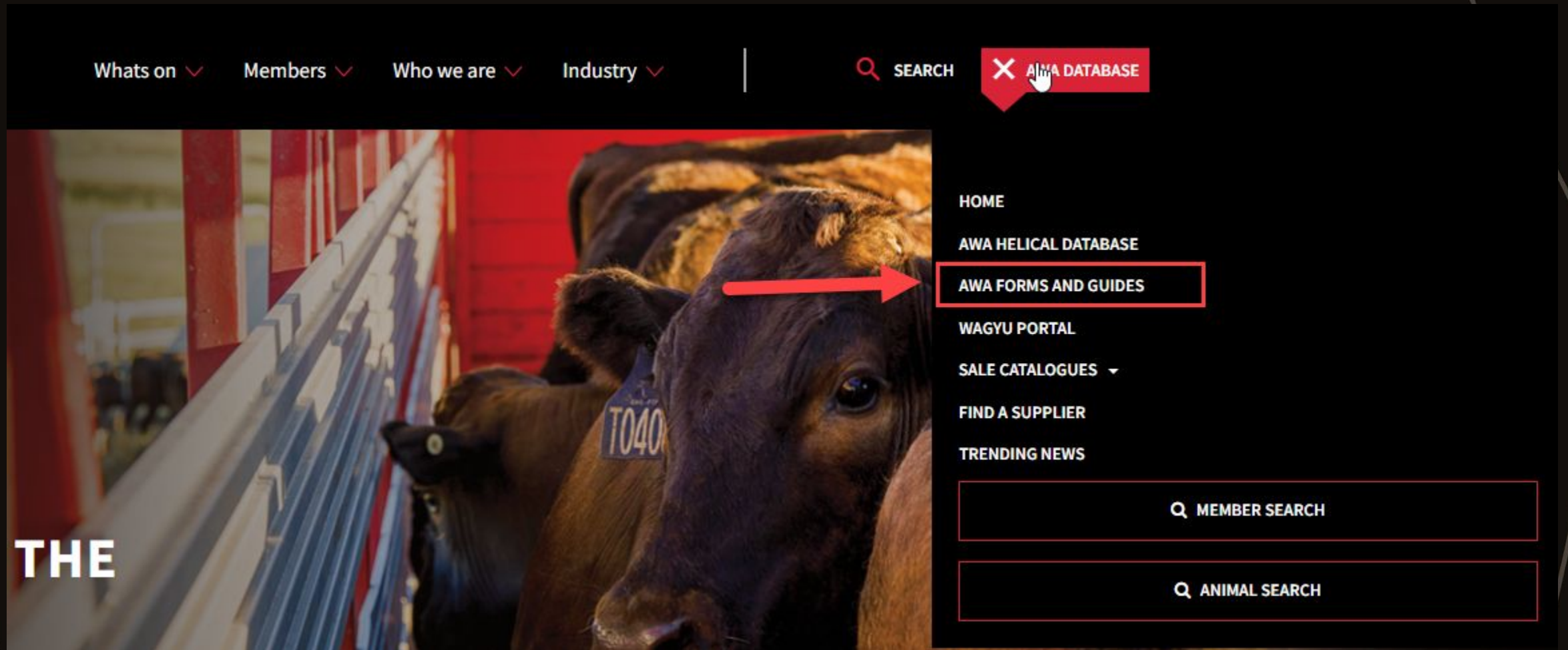
Data Effectiveness/ Traits Analysed

| May (Run 1) 2025 Wagyu BREEDPLAN | | | | | | | | | | | | | | |
|---|-------------------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------|-------------------|-----------------|-------------------------|---------------|-----------------------|--------------|---------------------|
|  | Gestation Length (days) | Birth Wt (kg) | 200 Day Wt (kg) | 400 Day Wt (kg) | 600 Day Wt (kg) | Mat Cow Wt (kg) | Milk (kg) | Scrotal Size (cm) | Carcase Wt (kg) | Eye Muscle Area (sq cm) | Rump Fat (mm) | Retail Beef Yield (%) | Marble Score | Marble Fineness (%) |
| EBV | -3.8 | +1.8 | +26 | +45 | +59 | +59 | -1 | -0.2 | +60 | +3.9 | -1.4 | +1.2 | +1.2 | +0.28 |
| Accuracy | 66% | 72% | 73% | 71% | 70% | 63% | 62% | 62% | 68% | 66% | 67% | 54% | 66% | 56% |
| Breed Avg. EBVs for 2023 Born Calves Click for Percentiles | | | | | | | | | | | | | | |
| EBV | -0.3 | +1.3 | +11 | +19 | +26 | +27 | +0 | -0.2 | +22 | +3.3 | -0.2 | +0.3 | +1.4 | +0.23 |

Traits Analysed: 400WT,FAT,EMA,IMF,Genomics

[Show Index Values](#)

Submitting Data



Submitting Data

Animal Registration & DNA Forms

Australian Animal Registration Form



International Animal Registration Form



AWA Transfer Form



DNA request form – Helical submissions



Neogen DNA Form - Australia Only



Zoetis DNA Form - Australia Only



Neogen DNA Form - International



Zoetis DNA Form - International



DNA Testing Terms and Conditions



Allflex Wagyu Member Order Form V2.0 220721



Bulk Disposal Form



Submitting Weights & Scanning Info (template)



Carcase Traits template (V2)



Carcase Trait Statutory Declaration



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Australian Wagyu Association | wagyu.org.au

Submitting Data

| #Herd #Ident | Kgs | Animal Ident | Disposal Code | Weigh Date | Weight | Mgmt Grp | Analysis Indicator | Wet Dry | Cow Cond | --- Castrate --- Flag Date | Scrotal Size | Hip Ht | Ultrasound Scanning | | | |
|-----------------|-----|--------------|------------------|------------|--------|-------------|-----------------------|------------|-------------|-------------------------------|-----------------|-----------|---------------------|---------|------------|------|
| AWA | K | AWAFS001 | | 01022025 | 250 | A | | | | 01022025 | | | P8 Fat | Rib Fat | Eye Muscle | IMF% |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |



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Submitting Data- **Ultrasound Scan (Live)**

- CUP Lab
- Designer Genes
- Ultraintrinsights

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Timeline

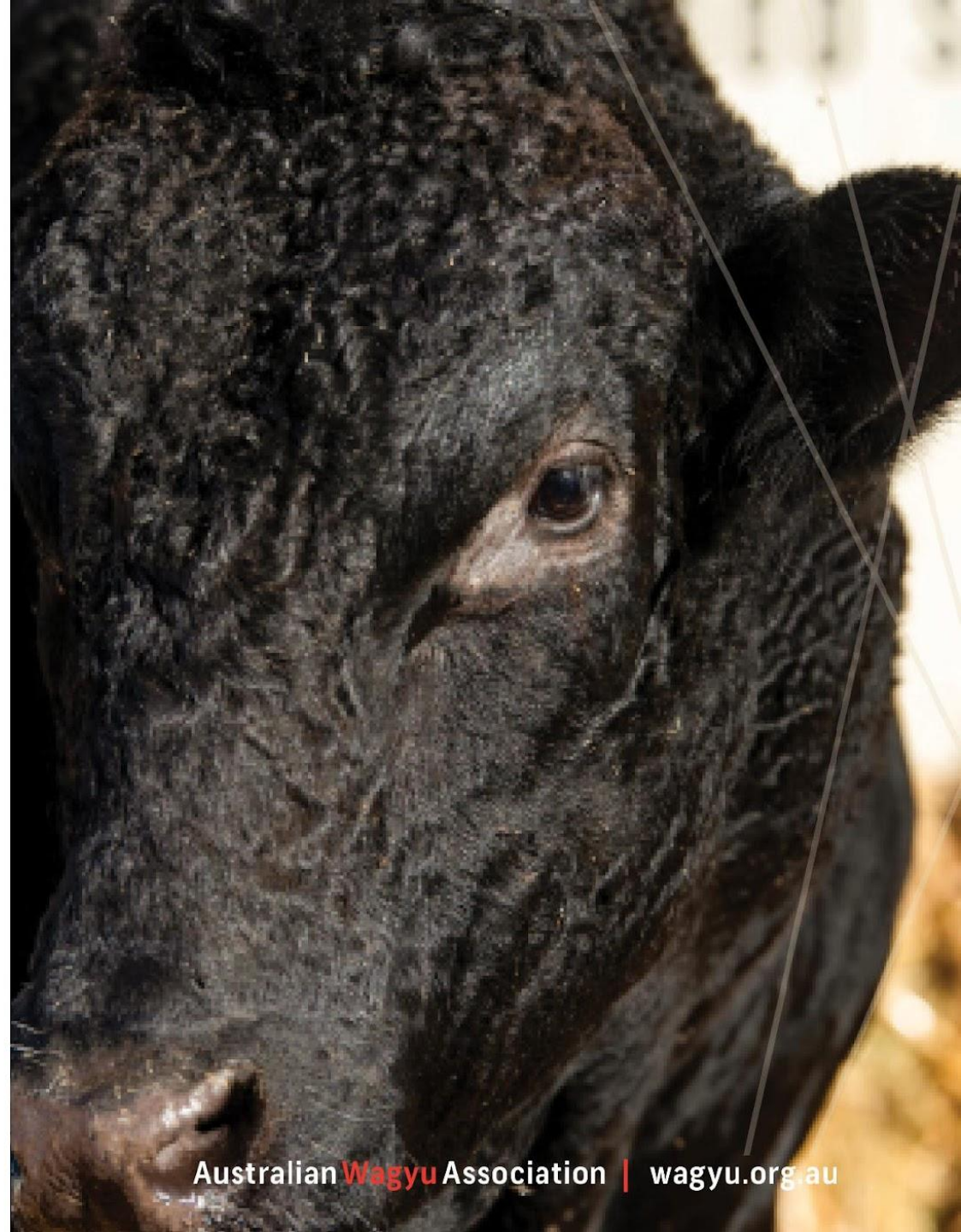
Trait Recording

- 200 day weight: 80-300 days
- 400 day weight: 301-500 days
- 600 day weight: 501- 900 days
- Mature Cow weight: 870- 3900 days
- Ultrasound Scan (live): minimum 400 days
- Carcase data: 200 to 1500 days
- All weights can have two submissions

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Contact the **AWA** team

Contact us anytime via email

Office email office@wagyu.org.au

Rego questions regos@wagyu.org.au

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