



# PROGENY PERFORMANCE REPORT

## COHORT 5



### **Acknowledgments:**

Angus Australia thanks the following organisations for their support of the Angus Sire Benchmarking Program (ASBP):

#### **Co-Funding Partner**

Meat and Livestock Australia

#### **Industry Partners**

Rangers Valley Feedlot  
John Dee Abattoir  
University of New England (UNE)  
Bayer Australia Limited (Cohorts 1 to 5)  
Vetoquinol (Cohort 6)

#### **Co-operator Cow Herds**

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Rob and Sally Bulle, Ardrossan, Holbrook, NSW.  
Hugh Munro, Glenroy, Gravesend, NSW.  
Roger and Geralyn Flower, Myola, Black Mountain, NSW.  
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Stephen and Amity Chase, Waitara, Trangie, NSW.  
NSW DPI, Trangie Agricultural Research Centre, Trangie, NSW.  
NSW DPI, Glen Innes Research Station, Glen Innes, NSW.

#### **Bull Owners and Nominators**

Angus Australia thanks the numerous bull owner and nominators that have entered the ASBP. For sire ownership details please refer to the Angus Australia website ([www.angusaustralia.com.au](http://www.angusaustralia.com.au)).

#### **Data Analysis Support**

Matias Suarez, NSW DPI, Armidale, NSW.  
Animal Genetics and Breeding Unit (AGBU), University of New England, Armidale, NSW.  
Agricultural Business Research Institute (ABRI-BREEDPLAN), Armidale, NSW.



## Angus Sire Benchmarking Program

The Angus Sire Benchmarking Program (ASBP) is a major initiative of Angus Australia with support from Meat & Livestock Australia (MLA) and industry partners such as Bayer Australia, Rangers Valley Feedlot and John Dee Abattoir.

The major objectives of the ASBP include:

1. Generate progeny test data on modern Angus bulls, particularly for hard to measure traits such as feed efficiency, abattoir carcass measurement, meat quality attributes & female reproduction.
2. Generate data for the validation & refinement of Angus BREEDPLAN.
3. Build a comprehensive phenotype and genotype database on Australian Angus for genomic technology validation, research and development.

To meet the project objectives Angus Australia aims to join an average of 40 sires a year to approximately 2,000 Angus cows to achieve a minimum of 25 progeny (50:50 steers and heifers) per sire using the Bayer Bosynch™ 3 fixed time AI program. The Angus cows are located across several commercial co-operator herds located in New South Wales and Victoria.

The Angus sires that enter the ASBP are nominated by Angus Australia members. Before entering the program the sires are assessed for a range of factors such as genetic diversity, genetic condition status, BREEDPLAN EBVs and selection index values. Once the progeny are born they are comprehensively performance recorded for calving ease, growth, temperament, heifer reproduction, structure, feed efficiency, abattoir carcass and beef quality attributes.

### ASBP Progeny Performance Report

The ASBP Progeny Performance report includes two sections to assist with assessment of the genetic merit of the ASBP sires, being:

1. **BREEDPLAN Sire Listing** – The first section includes the Angus BREEDPLAN EBVs and selection Indexes from the noted monthly analysis (e.g. June 2015).

*For selection purposes it is strongly advised that the BREEDPLAN EBVs and selection indexes be used primarily. They are the highest accuracy information to use in selection as they take into account all available industry data including the data generated from the ASBP. They also account for information from all known relatives and genetic correlations between traits as well as being able to be compared across cohorts and the Angus population.*

2. **ASBP Progeny Performance Listing** – The second section includes progeny average values and rankings for a range of traits recorded within the ASBP. This listing provides an indication on how the sires are performing within the ASBP. *The values listed can only be validly used to compare sires within each cohort of the ASBP.*

Each section includes introductory notes to assist with the interpretation of the information listed.

**Contact** – For further questions on the ASBP contact Christian Duff, Strategic Projects Manager, Angus Australia on phone: (02) 6773 4620, mobile: 0457 457 141 or email: [christian@angusaustralia.com.au](mailto:christian@angusaustralia.com.au)

Further information on the ASBP is listed on the Angus Australia website [www.angusaustralia.com.au](http://www.angusaustralia.com.au)

## UNDERSTANDING THE ASBP SIRE LISTING – BREEDPLAN EBVs and SELECTION INDEXES

Name ID	August 2015 Angus Australia BREEDPLAN - Angus Sire Benchmarking Program - Cohort 2																							
	Estimated Breeding Values and Accuracies (%)																							
	Birth				Growth					Fertility			Carcase					Other			Selection Indexes			
	CE Dir	CE Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	P8	RBY	IMF	NFI-p	NFI-f	Docil	ABI	DOM	GRN	GRS
ABBOTT PERFORMER E32 ESTE32	-1.3	-0.1	-5.4	+6.4	+61	+106	+153	+140	+19	+3.3	-3.6	+96	+1.6	+0.6	+0.4	+0.7	+0.3	+0.20	+0.74	-17	+123	+108	+119	+126
ABERDEEN ESTATE EXCITE E21 AHWE21	+2.5	+3.9	-3.9	+4.1	+49	+84	+119	+116	+14	+2.7	-4.5	+67	+3.6	+0.4	-0.3	-0.6	+3.1	+0.28	+0.39	-1	+128	+110	+146	+120
ANVIL ENFORCER E183 HBUE183	+3.4	+0.9	-6.8	+3.2	+52	+95	+122	+88	+28	+2.8	-3.4	+82	+6.0	+1.2	-0.9	+1.3	+0.2	+0.43	+0.94	+7	+111	+114	+98	+117

The following BREEDPLAN Estimated Breeding Values (EBVs) and selection Indexes are listed in this report. For further information visit [www.angusaustralia.com.au](http://www.angusaustralia.com.au)

### BREEDPLAN EBVs:

**CE Dir:** Calving Ease Direct (%) EBVs are genetic differences in the ability of calves to be born unassisted from two year old heifers. Higher EBVs indicate greater calving ease.

**CE Dtrs:** Calving Ease Daughters (%) EBVs are genetic differences in the ability of an animal's daughters to calve unassisted as two year old heifers. Higher EBVs indicate greater calving ease.

**GL:** Gestation Length (days) EBVs are genetic differences in the length of time from the date of conception to the calf birth date. Lower EBVs indicate shorter gestation length.

**Bwt:** Birth Weight (kg) EBVs are genetic differences in calf weight at birth. Lower EBVs indicate lighter birth weight.

**200:** 200 Day Growth (kg) EBVs are genetic differences in live weight at 200 days of age due to genetics for growth. Higher EBVs indicate heavier live weight.

**400:** 400 Day Weight (kg) EBVs are genetic differences in live weight at 400 days of age. Higher EBVs indicate heavier live weight.

**600:** 600 Day Weight (kg) EBVs are genetic differences in live weight at 600 days of age. Higher EBVs indicate heavier live weight.

**Mwt:** Mature Cow Weight (kg) EBVs are genetic differences in mature weight at 5 years of age. Higher EBVs indicate heavier mature weight.

**Milk:** Milk (kg) EBVs are genetic differences in live weight at 200 days of age due to the maternal contribution of the dam. Higher EBVs indicate heavier live weight.

**SS:** Scrotal Size (cm) EBVs are genetic differences in scrotal circumference at 400 days of age. Higher EBVs indicate larger scrotal size.

**DC:** Days to Calving (days) EBVs are genetic differences in the length of time from the start of the joining period until subsequent calving. Lower EBVs indicate less time to calving.

**Cwt:** Carcase Weight (kg) EBVs are genetic differences in dressed carcase weight at 750 days of age. Higher EBVs indicate heavier carcase weight.

**EMA:** Eye Muscle Area (cm<sup>2</sup>) EBVs are genetic differences in eye muscle area at the 12/13th rib site in a 400 kg carcase. Higher EBVs indicate larger eye muscle

**Rib:** Rib Fat (mm) EBVs are genetic differences in fat depth at the 12/13th rib site in a 400 kg carcase. Higher EBVs indicate more fat.

**P8:** Rump Fat (mm) EBVs are genetic differences in fat depth at the P8 site in a 400 kg carcase. Higher EBVs indicate more fat.

**RBY:** Retail Beef Yield (%) EBVs are genetic differences in saleable meat from a 400 kg carcase. Higher EBVs indicate higher yield.

**IMF:** Intramuscular Fat (%) EBVs are genetic differences in intramuscular fat at the 12/13th rib site in a 400 kg carcase. Higher EBVs indicate more intramuscular fat.

**NFI-p:** NFI-p (kg/day) EBVs are genetic differences in feed intake at a standard weight and rate of weight gain when animals are in a post-weaning growing phase. Lower EBVs indicate less feed intake and greater feed efficiency

**NFI-f:** NFI-f (kg/day) EBVs are genetic differences in feed intake at a standard weight and rate of weight gain when animals are in a feedlot finishing phase. Lower EBVs indicate less feed intake and greater feed efficiency

**Docil:** Docility (%) EBVs are genetic differences in the proportion of an animal's progeny that will have acceptable temperament. Higher EBVs indicate better temperament.

### Selection Indexes:

**ABI:** The Angus Breeding Index estimates the genetic differences between animals in net profitability per cow joined in a typical commercial self replacing herd using Angus bulls.

**DOM:** The Domestic Index estimates the genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting the domestic supermarket trade.

**GRN:** The Heavy Grain Index estimates the genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting pasture grown steers with a 200 day feedlot finishing period for the grain fed high quality, highly marbled markets.

**GRS:** The Heavy Grass Index estimates the genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting pasture finished steers



## March 2016 Angus Australia BREEDPLAN - Angus Sire Benchmarking Program - Cohort 5

### Estimated Breeding Values and Accuracies (%)

Name ID	Birth				Growth					Fertility		Carcase						Other			Selection Indexes			
	CE Dir	CE Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	P8	RBY	IMF	NFI-p	NFI-f	Docil	ABI	DOM	GRN	GRS
ANTU EMULATION NEXT H33 TJTH33	+2.8	+2.6	-5.5	+1.3	+37	+71	+88	+67	+18	+0.4	-5.9	+57	+2.6	+2.9	+5.0	-1.1	+0.9	-0.19	-0.17	--	+98	+100	+82	+104
ANVIL J018 HBUJ018	+5.1	+2.8	-10.7	+2.9	+49	+93	+117	+105	+13	+3.1	-5.5	+76	+4.1	+1.1	+0.6	-0.5	+2.3	+0.34	+0.57	--	+128	+119	+138	+123
ANVIL J301 HBUJ301	+1.5	-2.4	-2.0	+3.1	+45	+83	+102	+83	+22	+1.3	-2.3	+60	+4.4	-0.1	-0.6	+0.5	+0.9	-0.03	+0.09	--	+88	+99	+77	+95
ASCOT HALLMARK H147 QQFH147	-1.1	+2.3	-4.7	+6.8	+60	+108	+141	+133	+13	+3.8	-7.9	+72	+2.6	+0.5	+1.8	-0.8	+2.9	+0.34	+0.40	-5	+151	+127	+172	+139
BALD BLAIR RIGHT ANSWER J94 NBBJ94	+0.8	+0.9	-1.6	+4.2	+56	+99	+133	+96	+24	+3.2	-5.2	+70	+4.8	+0.8	+0.5	+0.4	+2.0	+0.08	+0.16	--	+137	+122	+145	+134
BANQUET HUMPHRIE H467 VONH467	+0.5	+0.4	-4.6	+5.6	+43	+84	+108	+115	+6	+1.9	-4.2	+52	+2.9	-0.9	-1.2	+1.0	+1.1	-0.06	+0.04	--	+106	+106	+110	+105
BONGONGO H171 NGXH171	+5.8	+3.4	-6.9	+1.2	+39	+79	+92	+89	+19	+2.3	-5.1	+58	+5.2	+1.7	+1.2	-0.6	+2.7	+0.46	+0.69	--	+111	+111	+119	+107
BOOROOMOOKA HYPERNO H605 NGMH605	-0.8	-2.3	-4.3	+6.9	+62	+115	+156	+128	+27	+2.9	-4.1	+82	+6.7	-1.1	-1.8	+2.1	+1.4	-0.01	-0.09	-8	+148	+130	+160	+143
CAMPASPE ROCKS FOCUS J41 HTMJ41	+3.0	+4.0	-7.6	+4.9	+54	+96	+127	+136	+11	+3.0	-8.0	+75	+5.5	-0.6	+0.1	+0.4	+2.9	+0.06	+0.15	--	+154	+130	+179	+140
CHERYLTON GRASSMASTER J19 WLHJ19	-1.9	-1.0	-3.9	+5.6	+46	+81	+112	+103	+14	+0.6	-3.2	+64	-0.3	-0.2	+1.6	+0.0	+0.2	-0.32	-0.44	+6	+86	+88	+71	+94
CHERYLTON RAVEN J20 WLHJ20	-8.4	-3.4	-2.2	+8.0	+57	+96	+126	+112	+8	+2.4	-5.7	+74	+5.2	+0.6	+1.7	-0.3	+2.1	+0.25	+0.15	+12	+112	+100	+118	+109
CLUNIE RANGE FIRST CLASS F526 NBHF526	-4.2	+0.0	-4.7	+6.4	+63	+114	+154	+124	+21	+1.8	-4.5	+104	+2.8	+0.9	+0.1	-0.5	+0.6	+0.16	+0.06	-18	+118	+107	+113	+122
COOLANA H185 VCCH185	+0.4	+0.0	-4.6	+3.5	+51	+85	+102	+95	+22	+2.1	-3.3	+68	+6.4	-1.8	-2.0	+1.3	+2.1	-0.05	-0.25	--	+104	+110	+108	+103
COOLANA NEW DAY H36 VCCH36	+2.8	+1.2	-4.0	+4.9	+48	+91	+115	+117	+17	+0.0	-2.7	+72	+8.2	-1.6	-2.0	+1.4	+1.6	+0.02	+0.07	--	+117	+116	+124	+115
COONAMBLE HECTOR H249 WDCH249	+1.0	+0.8	-9.2	+3.9	+46	+85	+112	+102	+14	+2.2	-4.3	+71	+8.7	+1.7	+1.9	+0.9	+1.1	+0.19	+0.34	--	+121	+114	+118	+122
FOSSIL CREEK HERO H006 NZE18681012006	+1.2	+2.9	-4.4	+3.2	+48	+80	+94	+49	+13	+2.3	-7.6	+59	+5.6	+3.5	+4.4	-0.8	+0.6	+0.51	+0.51	--	+109	+111	+89	+116
GLANWORTH WAIGROUP 1213 NZE1215401213	+6.1	+2.3	-5.0	+0.8	+26	+61	+80	+47	+12	+2.6	-1.9	+27	+2.7	+0.7	-0.7	+0.6	+0.1	-0.12	+0.20	--	+75	+88	+57	+85
GLENDOCH MEGAFORCE QBGM16	-7.9	-8.6	-1.2	+5.7	+39	+71	+91	+88	+12	+1.0	-3.3	+56	+3.1	+0.9	+1.6	-0.5	+1.3	-0.06	+0.25	+10	+63	+70	+52	+68
IRELANDS GALAXY G43 VICG43	-3.0	-1.1	-2.7	+5.8	+44	+73	+106	+98	+12	+1.0	-1.4	+55	+6.3	-0.5	-0.8	+1.2	+0.1	+0.11	+0.16	--	+80	+84	+65	+90
MATAURI OUTLIER F031 NZE14647010F031	+0.8	+1.3	-3.5	+6.2	+57	+106	+136	+123	+15	+3.3	-4.6	+72	+1.9	+1.7	+1.9	-0.9	+1.2	+0.28	+0.19	+1	+121	+114	+120	+123
MILLAH MURRAH HERCULES H250 NMMH250	-3.8	+0.3	-2.4	+6.5	+46	+86	+116	+119	+17	+3.2	-5.1	+65	+3.3	-2.0	-1.2	+0.6	+2.5	-0.09	-0.04	-6	+114	+102	+131	+105
Average EBVs for 2014 born calves	-0.1	+0.0	-3.5	+4.3	+41	+75	+98	+87	+14	+1.6	-3.6	+54	+4.4	+0.0	-0.1	+0.2	+1.5	+0.09	+0.15	+4	+102	+101	+104	+102



## March 2016 Angus Australia BREEDPLAN - Angus Sire Benchmarking Program - Cohort 5

Estimated Breeding Values and Accuracies (%)

Name ID	Birth				Growth					Fertility		Carcase					Other			Selection Indexes				
	CE Dir	CE Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	P8	RBY	IMF	NFI-p	NFI-f	Docil	ABI	DOM	GRN	GRS
MILLAH MURRAH JACKPOT J137 MMMJ137	-4.1	-1.2	-4.9	+6.5	+55	+101	+125	+114	+17	+2.8	-6.2	+79	+9.0	+0.5	+1.0	+0.4	+1.4	+0.34	+0.14	-11	+122	+114	+123	+119
MILWILLAH ELEVATOR H194 NJWH194	-2.5	-1.3	-1.8	+6.5	+44	+85	+122	+121	+15	+2.0	-2.5	+67	+4.0	-1.5	-1.6	+0.8	+0.4	+0.08	+0.13	--	+93	+90	+89	+97
MILWILLAH ELSOM H283 NJWH283	+2.0	-0.1	-2.2	+3.8	+37	+74	+97	+83	+22	+2.2	-3.1	+60	+7.3	-1.9	-1.8	+0.9	+2.2	+0.07	+0.09	--	+106	+104	+114	+103
MUNDOO HOT STUFF H162 NWMH162	-1.1	+0.2	-2.1	+4.4	+36	+65	+75	+77	+9	+0.1	-2.6	+46	+2.8	-2.0	-2.2	+1.8	-0.5	-0.26	-0.27	--	+59	+85	+37	+70
MURDEDUKE HUSSAR H211 CSWH211	-0.1	+3.0	-7.0	+6.7	+62	+119	+160	+160	+16	+2.8	-5.3	+89	+3.5	-1.6	-0.9	+0.9	+2.2	-0.13	-0.30	--	+160	+135	+184	+149
MURRAY INGENUITY J94 NURJ94	+1.5	-0.9	-6.4	+4.0	+48	+91	+116	+93	+29	+1.8	-3.2	+64	+12.8	-1.6	-2.9	+1.8	+3.0	+0.20	+0.21	-3	+134	+124	+153	+126
PARINGA ABSOLUTE J87 HKFJ87	+4.0	+1.8	-10.7	+2.2	+50	+87	+99	+80	+9	+3.0	-5.2	+63	+7.3	+0.2	-0.8	+1.7	+1.5	+0.09	+0.53	--	+121	+127	+122	+120
PINEBANK 64/10 NZE1199001064	+1.5	-0.5	-5.5	+3.2	+30	+61	+69	+42	+14	+1.5	-4.2	+21	+3.5	+2.8	+1.3	-0.3	+0.1	+0.09	+0.18	--	+66	+85	+42	+77
RENNYLEA H7 NORH7	+2.6	+4.5	-8.5	+2.7	+48	+92	+124	+92	+25	-0.2	-3.1	+60	+13.2	+0.2	-1.0	+1.4	+1.3	+0.08	+0.05	+17	+135	+124	+136	+136
RENNYLEA H708 NORH708	-2.9	-0.7	+1.5	+4.3	+48	+90	+113	+92	+22	+3.2	-4.7	+63	+15.6	-0.5	-0.9	+1.7	+4.2	+0.35	+0.60	+13	+150	+130	+180	+134
RENNYLEA J140 NORJ140	-12.6	-2.6	+1.3	+7.1	+59	+110	+141	+121	+22	+2.4	-4.3	+86	+11.3	-0.5	-0.9	+1.3	+3.1	+0.12	+0.12	-11	+129	+112	+150	+119
RICHMOND HILL FINALE G4 TRHG4	+1.2	+1.1	-8.2	+4.8	+49	+82	+112	+89	+11	+2.0	-3.5	+64	+4.8	+1.5	-0.3	+0.7	+1.3	+0.11	+0.47	--	+112	+108	+110	+114
RIDDELLVUE J297 VRBJ297	-3.4	+0.4	-2.3	+6.0	+52	+93	+123	+108	+21	+1.2	-4.1	+68	+8.5	-0.1	-0.2	+1.2	+1.5	+0.13	+0.19	--	+119	+110	+122	+117
RISSINGTON PROMINENT 100104 NZE145720100104	+2.0	+1.7	-1.4	+2.6	+52	+90	+116	+98	+21	+0.9	-5.4	+63	+6.6	+0.9	+0.9	-0.7	+2.7	+0.41	+0.41	+1	+127	+116	+136	+123
RISSINGTON RESOLUTE 120992 NZE145720120992	+1.8	+1.6	+0.0	+3.2	+50	+83	+97	+62	+15	+2.9	-5.7	+64	+9.5	+1.2	+0.6	-1.0	+3.2	+0.76	+1.07	+12	+121	+117	+128	+116
STORTH OAKS H41 NZE19507012H41	+3.5	+4.0	-7.3	+4.2	+50	+92	+119	+114	+12	+3.8	-7.8	+67	+2.9	+1.1	+0.7	+0.0	+2.4	+0.27	+0.50	+16	+141	+125	+157	+131
STRATHEWEN BERKLEY G34 VSNG34	+5.5	+5.1	-8.7	+3.5	+57	+104	+142	+148	+14	+3.0	-7.1	+88	+5.0	-0.9	-1.2	+0.5	+2.7	-0.06	+0.00	--	+159	+133	+185	+146
STRATHTAY EQUATOR J28 WJYJ28	+1.6	+1.7	-9.1	+5.7	+52	+92	+141	+148	+14	+1.6	-2.3	+73	+2.1	-1.6	-1.8	+1.0	+0.8	-0.23	-0.45	+30	+118	+103	+123	+119
TE MANIA 11 553 NZE16932011553	-2.0	-1.9	-2.1	+5.0	+39	+71	+98	+89	+17	+1.0	-3.2	+62	+9.3	+1.1	-0.6	+0.4	+2.8	+0.36	+0.66	--	+106	+97	+117	+101
TE MANIA ADA A149 VTMA149	-4.9	-2.7	-3.3	+6.4	+51	+92	+127	+166	+11	+1.9	-2.0	+77	+4.0	-3.7	-2.1	+0.9	+1.3	-0.39	-0.67	+10	+92	+89	+99	+92
TIBOOBURRA IMPACT J26 VTTJ26	-8.5	-1.3	+0.3	+6.6	+57	+94	+119	+130	+13	+1.8	-3.1	+67	+4.4	-2.8	-2.3	+1.4	+1.3	-0.29	-0.38	--	+88	+93	+89	+88
Average EBVs for 2014 born calves	-0.1	+0.0	-3.5	+4.3	+41	+75	+98	+87	+14	+1.6	-3.6	+54	+4.4	+0.0	-0.1	+0.2	+1.5	+0.09	+0.15	+4	+102	+101	+104	+102



## March 2016 Angus Australia BREEDPLAN - Angus Sire Benchmarking Program - Cohort 5

### Estimated Breeding Values and Accuracies (%)

Name ID	Birth				Growth					Fertility		Carcase						Other			Selection Indexes			
	CE Dir	CE Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	P8	RBY	IMF	NFI-p	NFI-f	Docil	ABI	DOM	GRN	GRS
TOTARANUI 238 NZE12922011238	-4.0	-3.1	-4.3	+3.4	+46	+83	+101	+83	+16	+1.7	-5.8	+62	+8.3	+0.5	+0.8	-0.7	+3.1	+0.53	+0.78	--	+110	+104	+120	+104
TRANGIE H468 NDAH468	+1.1	-1.5	+0.6	+2.6	+19	+36	+48	+46	+8	+1.0	-0.7	+22	-0.7	+1.1	+1.3	-0.4	+0.2	-0.22	-0.13	--	+31	+57	+3	+46
TRANGIE H508 NDAH508	-2.6	-1.4	-2.9	+5.0	+24	+43	+60	+52	+5	+0.4	+0.2	+29	+3.2	+0.5	+0.6	+0.8	-0.3	-0.05	+0.09	--	+38	+61	+9	+54
TURIHAUA CRUMP E5 (ET) NZE17691009E5	-1.9	-2.5	-5.4	+4.0	+30	+59	+88	+86	+11	+1.4	+1.0	+31	+3.5	+1.2	+0.3	+0.0	+0.2	-0.11	-0.14	--	+54	+65	+33	+67
TUWHARETOA D81 BNAD81	+2.4	-4.6	-7.0	+4.7	+42	+72	+95	+80	+14	-0.2	-0.8	+72	+11.4	-4.1	-6.4	+2.7	+2.2	+0.04	+0.30	--	+100	+104	+111	+97
WATTLETOP JASPER J3 NWPJ3	+2.3	+1.4	-7.2	+3.5	+48	+88	+103	+84	+17	+1.0	-5.6	+69	+8.3	-0.5	-0.2	+0.7	+2.3	+0.14	+0.13	--	+126	+124	+134	+121
WEERAN JIMMY J1 VHWJ1	+4.0	+4.9	-6.7	+3.1	+49	+83	+104	+93	+16	+0.8	-5.4	+75	+8.7	+0.3	-0.9	+0.1	+3.0	+0.15	+0.30	--	+129	+120	+143	+121
Average EBVs for 2014 born calves	-0.1	+0.0	-3.5	+4.3	+41	+75	+98	+87	+14	+1.6	-3.6	+54	+4.4	+0.0	-0.1	+0.2	+1.5	+0.09	+0.15	+4	+102	+101	+104	+102



## UNDERSTANDING THE ASBP SIRE LISTING - PROGENY PERFORMANCE

This listing provides an indication on how the sires are performing within the ASBP. *The values listed can only be validly used to compare sires within each cohort of the ASBP.*

**For selection purposes it is strongly advised that the BREEDPLAN EBVs and selection indexes listed in section 1 of the report be used primarily.** They are the highest accuracy information to use in selection as they take into account all available industry data including the data generated from the ASBP. They also account for information from all known relatives and genetic correlations between traits as well as being able to be compared across cohorts and the Angus population.

### Interpreting the ASBP Progeny Performance Listing

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ABBOTT PERFORMER E32	ESTE32	17	467.8	1
ABERDEEN ESTATE EXCITE E21	AHWE21	7	444.1	19
ANVIL ENFORCER E183	HBUE183	14	452.8	7
ARDROSSAN EXACT E162	NAQE162	12	449.5	11
ARDROSSAN FAIRFAX F21	NAQF21	9	437.8	28
AYRVALE BARTEL E7	HIOE7	17	455.0	5
BALMORAH HIGH...	...	3	...	13

**Number of progeny** = Number of progeny the sire has recorded for the specified trait. This excludes any progeny in single animal contemporary groups.

**Progeny Average** = The average performance of this sires progeny for the specified trait in the ASBP. The average is calculated using adjusted data (i.e. the standard BREEDPLAN adjustments for the age of the progeny and age of the dams). It is calculated using a least squares means (LSM) model which takes into herd and contemporary group.

**Rank** = The ranking position of the sire within the specified cohort. The ranking order will depend on the trait. E.g. 200 Day weight ranked in descending order, while birth weight is ranked in ascending order.

The lists are sorted on sire name for the specified cohort.

The date the progeny performance values were produced is listed in the bottom left hand margin of the report. The reports will be regularly updated as further ASBP data is recorded and analysed.

### Progeny Performance Traits and Interpretation

Separate sections for the following traits are included in the ASBP Progeny Performance listing:

**Birth Weight:** Weight of birth in kilograms recorded on both steer and heifer progeny. Sires are ranked in ascending order with lower values indicating lighter birth weight.

**Gestation Length:** Length of gestation in days recorded on both steer and heifer progeny. Sires are ranked in ascending order with lower values indicating shorter gestation length.





**200 Day Weight:** Weight at 200 days (i.e. weaning weight) in kilograms recorded on both steer and heifer progeny. Sires are ranked in descending order with higher values indicating more weight.

**400 Day Weight:** Weight at 400 days (i.e. yearling weight) in kilograms recorded on both steer and heifer progeny. Sires are ranked in descending order with higher values indicating more weight.

**600 Day Weight:** Weight at 600 days (i.e. 18 month weight) in kilograms recorded on both steer and heifer progeny. Sires are ranked in descending order with higher values indicating more weight.

**Days to Calving:** Length of days from bull introduction (i.e. bull in date) to calving. This is recorded on the heifer progeny for their first joining as yearlings. Sires are ranked in ascending order with lower values indicating shorter days to calving and improved female reproduction.

**Scan Eye Muscle Area (EMA):** Eye muscle area in cm<sup>2</sup> from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating larger eye muscle area.

**Scan Rib Fat:** Rib fat in mm from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating more fat over the ribs.

**Scan Rump Fat:** Rump (i.e. P8) fat in mm from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating more fat over the rump.

**Scan Intramuscular Fat (IMF):** Percentage of Intramuscular fat from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating more intramuscular fat.

**Carcase Weight:** Weight of the hot standard carcass in kilograms at a standard 750 days of age recorded on steer progeny. Sires are ranked in descending order with higher values indicating more carcass weight.

**Carcass Eye Muscle Area (EMA):** Eye muscle area in cm<sup>2</sup> in a standard 400 kg carcass measured on steer progeny. Sires are ranked in descending order with higher values indicating larger eye muscle area.

**Carcass Intramuscular Fat (IMF):** Percentage of Intramuscular fat (ether extracted at the UNE meat science laboratory) in a standard 400 kg carcass measured on steer progeny. Sires are ranked in descending order with higher values indicating more intramuscular fat.

**Net Feed Intake (NFI):** Feed intake at a standard weight and rate of weight gain recorded on steer progeny at Tullimba Research Feedlot. NFI is expressed as kilograms of feed intake per day. Sires are ranked in ascending order with lower values indicating better feed efficiency through less feed intake for a standard weight and rate of gain.

**Meat Standards Australia (MSA) Marbling Score:** Marbling score recorded by the Meat Standards Australia (MSA) grader in the chiller on steer progeny. Sires are ranked in descending order with higher values indicating more marbling in the carcass.

**Meat Standards Australia (MSA) Ossification:** Ossification score recorded by the Meat Standards Australia (MSA) grader in the chiller on steer progeny. Sires are ranked in ascending order with lower values indicating younger physiological maturity.

**Meat Standards Australia (MSA) Index:** The MSA Index is an indication of the overall eating quality of beef from the carcass as influenced by a range of factors such as marbling score and ossification. It is generated for steer progeny from the ASBP based on MSA grading data in the chiller. Sires are ranked in ascending order with higher values indicating higher eating quality.

**Shear Force:** Shear Force is a measurement in the kilograms of the force required to pull a mechanical blade through a piece of cooked beef from the striploin sample of the ASBP steer progeny. It is measured through the UNE meat science laboratory. Sires are ranked in ascending order with lower values indicating less shear force and more tender beef.



## Angus Sire Benchmarking Project - Progeny Performance

### Cohort: 5 - Birth Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ANTU EMULATION NEXT H33	TJTH33	33	35.5	3
ANVIL J018	HBUJ018	23	37.3	19
ANVIL J301	HBUJ301	29	36.0	6
ASCOT HALLMARK H147	QQFH147	25	39.1	40
BALD BLAIR RIGHT ANSWER J94	NBBJ94	28	38.5	34
BANQUET HUMPHRIE H467	VONH467	24	38.0	27
BONGONGO H171	NGXH171	29	34.8	1
BOOROOMOOKA HYPERNO H605	NGMH605	37	39.7	44
CAMPASPE ROCKS FOCUS J41	HTMJ41	18	38.9	38
CHERYLTON GRASSMASTER J19	WLHJ19	16	38.9	38
CHERYLTON RAVEN J20	WLHJ20	23	41.5	49
CLUNIE RANGE FIRST CLASS F526	NBHF526	21	39.8	45
COOLANA H185	VCCH185	24	35.2	2
COOLANA NEW DAY H36	VCCH36	27	37.2	18
COONAMBLE HECTOR H249	WDCH249	21	36.8	12
FOSSIL CREEK HERO H006	NZE18681012006	29	36.8	12
GLANWORTH WAIGROUP 1213	NZE1215401213	31	35.9	5
GLENOCH MEGAFORCE	QBGM16	27	39.9	47
IRELANDS GALAXY G43	VICG43	36	39.2	41
MATAURI OUTLIER F031	NZE14647010F031	33	38.1	28
MILLAH MURRAH HERCULES H250	NMMH250	36	38.3	33
MILLAH MURRAH JACKPOT J137	NMMJ137	28	39.8	45
MILWILLAH ELEVATOR H194	NJWH194	27	37.5	23
MILWILLAH ELSOM H283	NJWH283	26	37.4	21
MUNDOO HOT STUFF H162	NWMH162	27	37.6	24
MURDEDUKE HUSSAR H211	CSWH211	26	39.6	42
MURRAY INGENUITY J94	NURJ94	22	36.9	15
PARINGA ABSOLUTE J87	HKFJ87	27	36.4	9
PINEBANK 64/10	NZE1199001064	17	36.6	11
RENNYLEA H7	NORH7	32	37.3	19
RENNYLEA H708	NORH708	29	38.8	36
RENNYLEA J140	NORJ140	23	39.9	47
RICHMOND HILL FINALE G4	TRHG4	28	38.2	30
RIDDELLVUE J297	VRBJ297	29	38.2	30
RISSINGTON PROMINENT 100104	NZE145720100104	26	36.0	6
RISSINGTON RESOLUTE 120992	NZE145720120992	16	37.4	21
STORTH OAKS H41	NZE19507012H41	26	36.8	12
STRATHEWEN BERKLEY G34	VSNG34	29	37.1	16



## Angus Sire Benchmarking Project - Progeny Performance

### Cohort: 5 - Birth Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
STRATHTAY EQUATOR J28	WJYJ28	18	37.8	26
TE MANIA 11 553	NZE16932011553	33	38.1	28
TE MANIA ADA A149	VTMA149	23	39.6	42
TIBOOBURRA IMPACT J26	VTTJ26	27	38.7	35
TOTARANUI 238	NZE12922011238	29	36.4	9
TRANGIE H468	NDAH468	25	35.6	4
TRANGIE H508	NDAH508	38	38.8	36
TURIHAUA CRUMP E5 (ET)	NZE17691009E5	21	37.6	24
TUWHARETOA D81	BNAD81	26	38.2	30
WATTLETOP JASPER J3	NWPJ3	23	37.1	16
WEERAN JIMMY J1	VHWJ1	26	36.1	8



## Angus Sire Benchmarking Project - Progeny Performance

### Cohort: 5 - Gestation Length (days)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ANTU EMULATION NEXT H33	TJTH33	33	278.3	17
ANVIL J018	HBUJ018	25	275.7	1
ANVIL J301	HBUJ301	31	280.1	31
ASCOT HALLMARK H147	QQFH147	25	278.9	21
BALD BLAIR RIGHT ANSWER J94	NBBJ94	27	280.6	36
BANQUET HUMPHRIE H467	VONH467	24	278.7	19
BONGONGO H171	NGXH171	27	277.9	10
BOOROOMOOKA HYPERNO H605	NGMH605	37	279.7	27
CAMPASPE ROCKS FOCUS J41	HTMJ41	18	278.2	14
CHERYLTON GRASSMASTER J19	WLHJ19	16	279.3	24
CHERYLTON RAVEN J20	WLHJ20	25	281.0	39
CLUNIE RANGE FIRST CLASS F526	NBHF526	16	281.8	44
COOLANA H185	VCCH185	24	278.6	18
COOLANA NEW DAY H36	VCCH36	26	279.6	25
COONAMBLE HECTOR H249	WDCH249	21	276.9	3
FOSSIL CREEK HERO H006	NZE18681012006	30	280.1	31
GLANWORTH WAIGROUP 1213	NZE1215401213	29	278.9	21
GLENOCH MEGAFORCE	QBGM16	25	281.3	41
IRELANDS GALAXY G43	VICG43	36	280.8	38
MATAURI OUTLIER F031	NZE14647010F031	34	280.0	29
MILLAH MURRAH HERCULES H250	NMMH250	35	280.5	35
MILLAH MURRAH JACKPOT J137	NMMJ137	31	279.6	25
MILWILLAH ELEVATOR H194	NJWH194	26	280.4	34
MILWILLAH ELSOM H283	NJWH283	25	281.7	43
MUNDOO HOT STUFF H162	NWMH162	26	280.3	33
MURDEDUKE HUSSAR H211	CSWH211	26	278.0	11
MURRAY INGENUITY J94	NURJ94	22	277.4	6
PARINGA ABSOLUTE J87	HKFJ87	26	275.9	2
PINEBANK 64/10	NZE1199001064	18	278.2	14
RENNYLEA H7	NORH7	30	277.6	7
RENNYLEA H708	NORH708	27	282.4	48
RENNYLEA J140	NORJ140	25	282.8	49
RICHMOND HILL FINALE G4	TRHG4	27	277.0	5
RIDDELLVUE J297	VRBJ297	29	280.6	36
RISSINGTON PROMINENT 100104	NZE145720100104	27	281.3	41
RISSINGTON RESOLUTE 120992	NZE145720120992	20	282.0	45
STORTH OAKS H41	NZE19507012H41	25	278.0	11
STRATHEWEN BERKLEY G34	VSNG34	29	277.6	7



## Angus Sire Benchmarking Project - Progeny Performance

### Cohort: 5 - Gestation Length (days)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
STRATHTAY EQUATOR J28	WJYJ28	19	276.9	3
TE MANIA 11 553	NZE16932011553	33	281.1	40
TE MANIA ADA A149	VTMA149	24	279.9	28
TIBOOBURRA IMPACT J26	VTTJ26	28	282.2	47
TOTARANUI 238	NZE12922011238	27	278.7	19
TRANGIE H468	NDAH468	16	282.1	46
TRANGIE H508	NDAH508	26	280.0	29
TURIHAUA CRUMP E5 (ET)	NZE17691009E5	22	279.1	23
TUWHARETOA D81	BNAD81	28	277.6	7
WATTLETOP JASPER J3	NWPJ3	22	278.0	11
WEERAN JIMMY J1	VHWJ1	26	278.2	14



## Angus Sire Benchmarking Program - Cohort 5

### Summary of Progeny Averages (rank)

Sire ID Name	BW	GL	WW	YW	FW	DTC	SCAN EMA	SCAN RIB	SCAN RUMP	SCAN IMF	CARC WT	CARC EMA	CARC IMF	NFI-f	MSA MBL	MSA OSS	MSA IND	SF
TJTH33 ANTU EMULATION NEXT H33	35.5 (3)	278.3 (17)																
HBUJ018 ANVIL J018	37.3 (19)	275.7 (1)																
HBUJ301 ANVIL J301	36.0 (6)	280.1 (31)																
QQFH147 ASCOT HALLMARK H147	39.1 (40)	278.9 (21)																
NBBJ94 BALD BLAIR RIGHT ANSWER J94	38.5 (34)	280.6 (36)																
VONH467 BANQUET HUMPHRIE H467	38.0 (27)	278.7 (19)																
NGXH171 BONGONGO H171	34.8 (1)	277.9 (10)																
NGMH605 BOOROOMOOKA HYPERNO H605	39.7 (44)	279.7 (27)																
HTMJ41 CAMPASPE ROCKS FOCUS J41	38.9 (38)	278.2 (14)																
WLHJ19 CHERYLTON GRASSMASTER J19	38.9 (38)	279.3 (24)																
WLHJ20 CHERYLTON RAVEN J20	41.5 (49)	281.0 (39)																
NBHF526 CLUNIE RANGE FIRST CLASS F526	39.8 (45)	281.8 (44)																
VCCH185 COOLANA H185	35.2 (2)	278.6 (18)																
VCCH36 COOLANA NEW DAY H36	37.2 (18)	279.6 (25)																
WDCH249 COONAMBLE HECTOR H249	36.8 (12)	276.9 (3)																
NZE18681012006 FOSSIL CREEK HERO H006	36.8 (12)	280.1 (31)																
NZE1215401213 GLANWORTH WAIGROUP 1213	35.9 (5)	278.9 (21)																
QBG16 GLENOCH MEGAFORCE	39.9 (47)	281.3 (41)																
VICG43 IRELANDS GALAXY G43	39.2 (41)	280.8 (38)																
NZE14647010F031 MATAURI OUTLIER F031	38.1 (28)	280.0 (29)																
NMMH250 MILLAH MURRAH HERCULES H250	38.3 (33)	280.5 (35)																
NMMJ137 MILLAH MURRAH JACKPOT J137	39.8 (45)	279.6 (25)																



## Angus Sire Benchmarking Program - Cohort 5

### Summary of Progeny Averages (rank)

Sire ID Name	BW	GL	WW	YW	FW	DTC	SCAN EMA	SCAN RIB	SCAN RUMP	SCAN IMF	CARC WT	CARC EMA	CARC IMF	NFI-f	MSA MBL	MSA OSS	MSA IND	SF
NJWH194 MILWILLAH ELEVATOR H194	37.5 (23)	280.4 (34)																
NJWH283 MILWILLAH ELSOM H283	37.4 (21)	281.7 (43)																
NWMH162 MUNDOO HOT STUFF H162	37.6 (24)	280.3 (33)																
CSWH211 MURDEDUKE HUSSAR H211	39.6 (42)	278.0 (11)																
NURJ94 MURRAY INGENUITY J94	36.9 (15)	277.4 (6)																
HKFJ87 PARINGA ABSOLUTE J87	36.4 (9)	275.9 (2)																
NZE1199001064 PINEBANK 64/10	36.6 (11)	278.2 (14)																
NORH7 RENNYLEA H7	37.3 (19)	277.6 (7)																
NORH708 RENNYLEA H708	38.8 (36)	282.4 (48)																
NORJ140 RENNYLEA J140	39.9 (47)	282.8 (49)																
TRHG4 RICHMOND HILL FINALE G4	38.2 (30)	277.0 (5)																
VRBJ297 RIDDELLVUE J297	38.2 (30)	280.6 (36)																
NZE145720100104 RISSINGTON PROMINENT 100104	36.0 (6)	281.3 (41)																
NZE145720120992 RISSINGTON RESOLUTE 120992	37.4 (21)	282.0 (45)																
NZE19507012H41 STORTH OAKS H41	36.8 (12)	278.0 (11)																
VSNG34 STRATHEWEN BERKLEY G34	37.1 (16)	277.6 (7)																
WJYJ28 STRATHTAY EQUATOR J28	37.8 (26)	276.9 (3)																
NZE16932011553 TE MANIA 11 553	38.1 (28)	281.1 (40)																
VTMA149 TE MANIA ADA A149	39.6 (42)	279.9 (28)																
VTTJ26 TIBOOBURRA IMPACT J26	38.7 (35)	282.2 (47)																
NZE12922011238 TOTARANUI 238	36.4 (9)	278.7 (19)																
NDAH468 TRANGIE H468	35.6 (4)	282.1 (46)																



## Angus Sire Benchmarking Program - Cohort 5

### Summary of Progeny Averages (rank)

Sire ID Name	BW	GL	WW	YW	FW	DTC	SCAN EMA	SCAN RIB	SCAN RUMP	SCAN IMF	CARC WT	CARC EMA	CARC IMF	NFI-f	MSA MBL	MSA OSS	MSA IND	SF
NDAH508 TRANGIE H508	38.8 (36)	280.0 (29)																
NZE17691009E5 TURIHAUA CRUMP E5 (ET)	37.6 (24)	279.1 (23)																
BNAD81 TUWHARETOA D81	38.2 (30)	277.6 (7)																
NWPJ3 WATTLETOP JASPER J3	37.1 (16)	278.0 (11)																
VHWJ1 WEERAN JIMMY J1	36.1 (8)	278.2 (14)																