

35 YEARS OF SELECTION FOR PERFORMANCE

55 PTIC BLACK ANGUS COWS

# KILBURNIE ANGUS



**KILBURNIE ANGUS**



**FEMALE REDUCTION SALE**

**Friday, 27 March, 2020**

**1:00PM START TIME**

**PTIC REGISTERED  
81 ANGUS COWS 81**

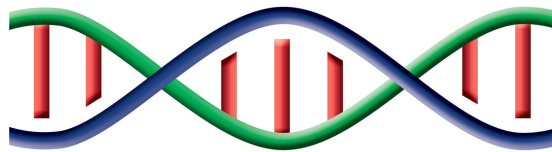
**On Property Auction Sale  
with AuctionsPlus Bidding**

**[www.kilburnieangus.com.au](http://www.kilburnieangus.com.au)**

19 RECIPIENT COWS WITH VERY HIGH PERFORMANCE EMBRYOS

6 RED ANGUS COWS

# KILBURNIE ANGUS



## EARLY HISTORY

Kilburnie Angus was established in the early 1980s and was one of the first herds to be performance recorded on the National Beef Recording Scheme.

From the earliest days the emphasis was on selection for performance. Once the Angus Society provided \$indices we used these as a basis for selection. We did not ignore those important attributes (such as temperament, feet, legs, udders and longevity) which are not included in the indices. This is still our policy – though advances in breeding technology have changed the way in which we make mating decisions.

## RECENT INTRODUCTIONS

In 2010 we introduced a small number of select cows into our programme. These included an outstanding maiden heifer, Te Mania Queanbeyan D113. She appears in many of our pedigrees. We also bought selected heifers from Prime Angus that have shown exceptional longevity and structural soundness. Other purchases included a small number of cows at the Tuwharetoa dispersal, including Tuwharetoa E105 by B/R Ambush 28. She has had 11 calves, the latest is an exceptional male calf by Rennylea H708 with a marbling EBV of 4.9. We would seriously be considering flushing her if we were not selling her.

Increasingly we have sourced semen from a small number of breeders. You will see prefixes on the sires from some of the largest herds placing a heavy emphasis on performance. Major contributors have been Gardiner Angus Ranch, Rennylea and Te Mania.

## BREEDING RULES

Most maiden heifers and ALL first calf heifers are naturally joined. No cow or heifer that is empty is given a second chance. Annual culling decisions are based on structure, temperament and lateness of calving. We make joining decisions to get maximum performance (based on index values) taking into account inbreeding and EBVs on important items not in the indices.

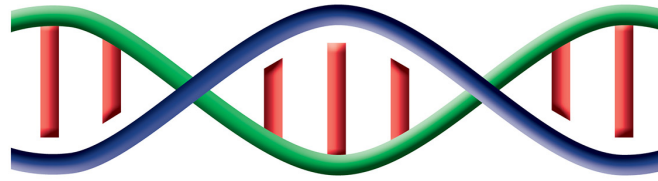
## MEASURING OUR SUCCESS

We monitor some EBVs to keep them within reasonable bounds – temperament, docility, structure and birth weight are examples. Subject to these constraints we compare the index values of our animals with those in other herds.

We are happy that we are producing some of the highest performance animals in the breed and furthermore that the Kilburnie herd has a very high proportion of high indexing animals.

In addition to monitoring our level of performance we try to monitor our rate of genetic progress. Our rate of genetic gain is generally higher than the average of all Australian seedstock producers despite our already high level of genetic performance.

# KILBURNIE ANGUS



## 81 Performance Recorded Pregnant Angus Cows, Maiden Heifers & Recipients

To be sold at Straban, Walcha, from 1.00pm  
Friday, 27th March, 2020

- *For sale by Auction with bidding available through AuctionsPlus*
- All animals vaccinated with 7 in 1 and pestivirus.
- All animals will be manually pregnancy tested in late March to confirm their PTIC status.
- Refreshments will be available at the sale.
- Animals are available for inspection at the sale and before by arrangement.
- A complete video of all sale animals will be available in late March.

### CONTACTS

**LANDMARK**

**David Murray**  
Mobile: 0427 775 902  
Mobile: 0458 271 062

The agents for this sale are  
**Landmark Boultons Walcha**  
Phone 02 6777 2044

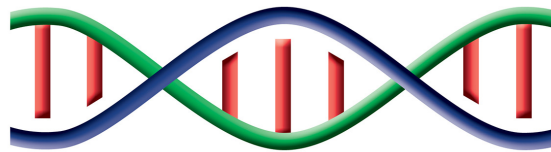
The contact for the sale is  
**Simon Newton**  
Mobile 0467 660 320

**Andy Burwell**  
Ph: 02 6777 8182  
Mobile: 0457 025 399

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# KILBURNIE ANGUS



## WHY YOU SHOULD BUY SOME COWS AT THIS REDUCTION SALE

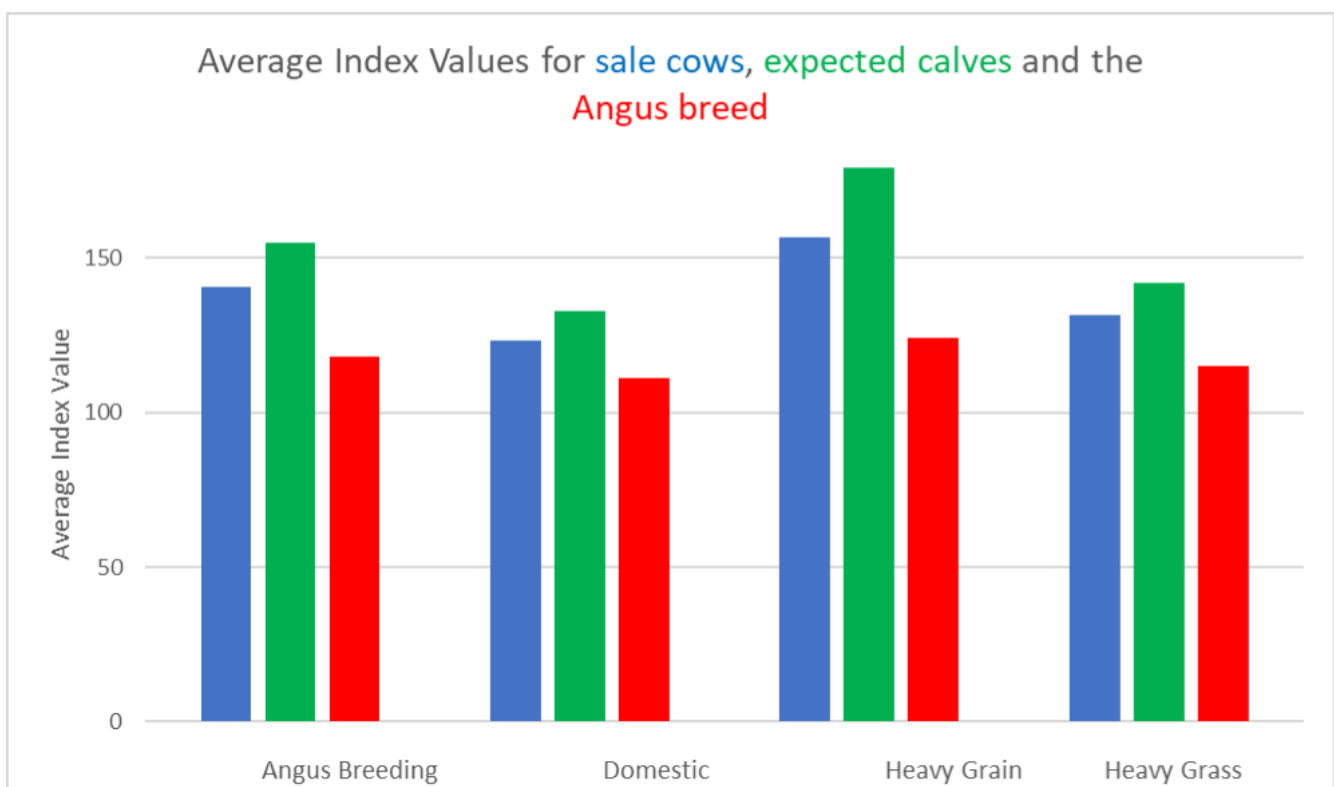
Complete herd dispersals are not common and they give you an unusual opportunity to access genetics that are not normally available. This sale is the first part of the dispersal of the Kilburnie herd. We are retaining only our weaner heifers as they need a lot of care before they are sold.

### HIGH LEVEL OF GENETIC PERFORMANCE

Kilburnie has been one of the higher performance herds in the Angus breed in Australia. We measure our performance using the \$index values published by the Angus Society.

The graph below shows how the average \$indices of the animals being offered for sale compare with the average for the Angus breed in Australia. We are selling 81 animals of which 19 of are recipients and the other 62 are carrying their own calves. The averages of the indices of the latter 62 animals are shown in **blue** below. The **green** bars show the average of the expected indices of the 81 calves that might be born from the cows and the recipients. The breed average is shown in **red**.

We do not believe that you will be able to access females with this quality of performance and in this volume elsewhere in the reasonable future.



## MAKING GENETIC PROGRESS

We have emphasised that we have had a consistent breeding programme for the last thirty five years. Over this period we have achieved a high rate of genetic gain.

Recently the Angus Society provided us with our personalised Genetic Benchmarking Report comparing our genetic progress with that of other seedstock producers. This data is part of the TransTasman Angus Cattle Evaluation report which enables us to compare our progress to that of other seedstock herds over the period 2013 to 2018. Some of this information for Kilburnie is presented in the table below.

Trait	Units	Herd		Breed	
		Change	Av. Change / Yr	Change	Av. Change / Yr
Calving Ease Direct	%	+0.4	+0.1	+1.7	+0.3
Calving Ease Daughters	%	+2.5	+0.5	+1.8	+0.4
Gestation Length	days	-1.1	-0.2	-1.0	-0.2
Birth Weight	kg	+0.0	+0.0	-0.1	+0.0
200 Day Growth	kg	+7.0	+1.4	+5.6	+1.1
400 Day Weight	kg	+12.8	+2.6	+10.3	+2.1
600 Day Weight	kg	+18.2	+3.6	+13.5	+2.7
Mature Cow Weight	kg	+18.7	+3.7	+10.9	+2.2
Milk	kg	+3.3	+0.7	+2.1	+0.4
Scrotal Size	cm	+0.6	+0.1	+0.3	+0.1
Days to Calving	days	-0.8	-0.2	-0.7	-0.1
Carcase Weight	kg	+13.7	+2.7	+7.8	+1.6
Carcase EMA	cm.sq	+0.8	+0.2	+1.0	+0.2
Carcase Rib Fat	mm	-0.4	-0.1	+0.2	+0.0
Carcase Rump Fat	mm	-0.3	-0.1	+0.1	+0.0
Retail Beef Yield	%	+0.1	+0.0	+0.0	+0.0
Carcase IMF	%	+0.4	+0.1	+0.3	+0.1
Docility	%	+4.2	+0.8	+2.8	+0.6
Front Feet Angle	score	+4.9	+1.0	+0.7	+0.1
Front Feet Claw Set	score	+7.9	+1.6	+1.7	+0.3
Rear Feet Angle	score	+0.4	+0.1	-0.6	-0.1
Rear Leg Hind View	score	+0.1	+0.0	+0.0	+0.0
Rear Leg Side View	score	+0.7	+0.1	-0.1	+0.0
ABI	\$	+20.5	+4.1	+18.8	+3.8
DOM	\$	+11.7	+2.3	+12.0	+2.4
GRN	\$	+28.6	+5.7	+24.6	+4.9
GRS	\$	+16.4	+3.3	+15.8	+3.2

We have made greater genetic progress on index values than other seedstock herds. The position on individual EBVs varies. Relative to other seedstock herds we have, for example, increased growth rapidly. In doing this we have not increased birth weight. We increased carcass IMF EBVs over the period but did not sacrifice retail beef yield relative to other seedstock producers. This is probably related to the reduction in the fat EBVs but, pleasingly for us, we have not reduced the measured fertility of our herd significantly. The Kilburnie herd still has an average days to calving EBV which ranks in the top 25% of the breed.

The Kilburnie herd is one of the highest performance herds in the Australian Angus breed. This is the result of a structured and successful breeding program which, over the years, has enabled us to make more progress than other Australian Angus seedstock producers.

## HIGH LEVEL OF PERFORMANCE AND HIGH LEVEL OF GENETIC GAIN

We would be pleased if we had high performance and average gain, also if we had average performance and high gain. We are proud to have both.

# KILBURNIE ANGUS



## HOW WE EVALUATE ANIMALS WITH THE AVAILABLE OBJECTIVE INFORMATION

Where possible we evaluate our animals using objective measurements and the breeding values derived from them. For some attributes we have to use other information.

We use the standard \$indices as our first guide in evaluating animals. The EBVs and the approximate index weightings are shown below. These reflect the relative emphasis that we put on different traits. The comments below are only intended to provide guidance on how we have made our decisions.

### **Calving Ease (weighting about 10%).**

Dead calves are not very useful and calving problems in the middle of the night in July are not pleasant. We select for calving ease but also want our animals to grow rapidly.

### **Rapid Growth to Sale (Slaughter) Age (weighting more than 20%).**

We want animals to be born easily and to grow very rapidly until we sell them. In particular we want easily born calves, with male calves that weigh heavily on sale day but with retained heifers that do not grow into enormous cows.

### **Mature weight (weighting about 5%).**

We call the combination of calving ease, rapid growth and reasonable mature size ‘the growth curve’. Getting this right is a first step. There is some discussion about Angus cows becoming too large. We think that in some environments this may be important but we know that there are penalties (reduced prices/kg) applied to smaller animals under some circumstances

### **Fertility – Days to Calving (weighting about another 20%. Yes, it is very important).**

Most of our clients join their cows naturally. Their major fertility problems are to get maiden heifers pregnant to a bull in 42 days and to get heifers on their first calf back into calf as fast as possible. For the last ten years we have joined all our first calf heifers and most of our weaner heifers naturally. We think this a better method of selection to breed productive fertile cows than by breeding them to be fat.

### **Intramuscular Fat (IMF%) (weighting around 10%, up to 20% for the Heavy Grain Fed Market).**

Meat quality is heavily influenced by Intramuscular Fat. Putting emphasis on IMF is expected to lead to fatter animals with lower meat yield.

### **Retail Beef Yield (RBY%) (weighting another 10% or so).**

It is now inevitable that value-based marketing will be implemented in Australia in the next five to ten years. Low yielding carcasses will be penalised.

# KILBURNIE ANGUS



## HOW WE PRESENT THE OBJECTIVE INFORMATION TO MAKE IT EASIER TO UNDERSTAND

To make it easier to grasp this information we find it useful to present the data in a diagrammatic form as below:

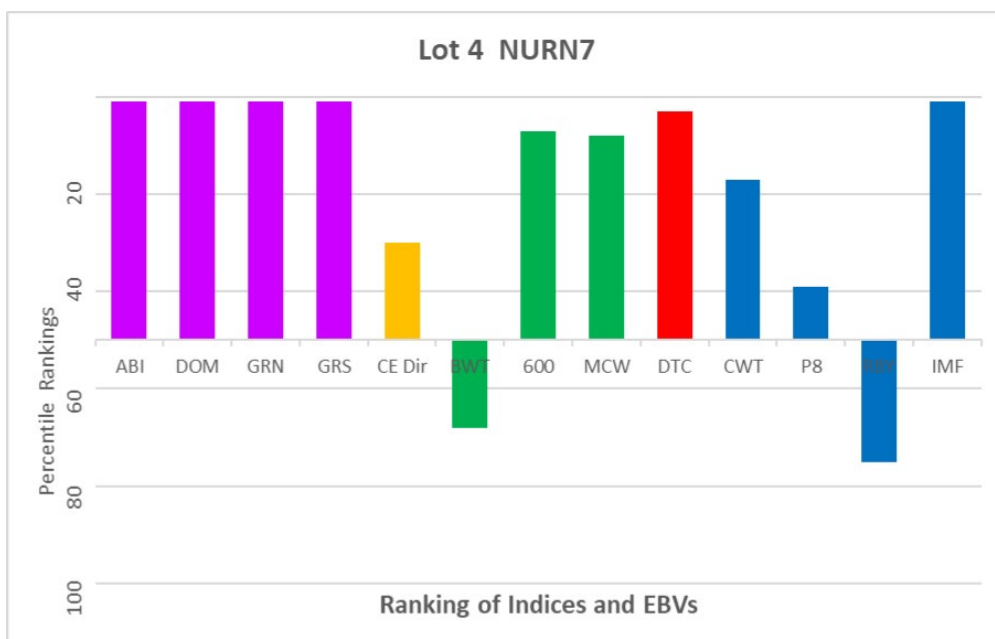
The important parts of the indices are calving ease (**yellow**), the growth curve (**green**), fertility (**red**) and carcase characteristics (**blue**). The four \$indices are also shown (**purple**). The percentile rankings for the EBVs are shown as the lengths of the bars above and below the 50% ranking.

For this animal all indices are in the top 1% of the breed. Calving ease is in the top (preferred) 30% of the breed. Birth weight EBV is high so undesirable and is below the 50% percentile. Fertility EBV is high as shown by the red bar. For this animal retail beef yield is below breed average and IMF% is in the top 1%.

We find these diagrams help us to assess each animal. We have published them in this catalogue to aid your selection.

We also take into account other attributes. Docility and structural EBVs are not included in the indices. We do not have EBVs for some very important traits such as longevity and coat score.

MURRAY LOTTO N7 PV													
Index/EBV	ABI	DOM	GRN	GRS	CE Dir	BWT	600	MCW	DTC	CWT	P8	RBY	IMF
Value	171	139	207	151	5.3	5.0	135	126	-8.3	73	-0.1	0.0	4.4
Percentile	1	1	1	1	30	68	7	8	3	17	39	75	1



# KILBURNIE ANGUS



## TWO IMPORTANT EBVS THAT WE HAVE TREATED WITH CAUTION

### FERTILITY

We are strongly of the opinion that fertility is one of the most important determinants of the profitability of a cattle operation. Therefore over the years we have consistently put pressure on our cow herd to help us to identify and cull the low fertility animals.

We have always run the cows on some of the harder country in our district, also on the harder paddocks on the property. We have never grown our heifers out to very heavy weights prior to joining. These two practices have allowed us to identify the relatively low fertility animals in our herd and to cull them. We think that if we are trying to breed high fertility seedstock it is necessary to do this.

In recent years there has been a fair amount of controversy about the measurement of fertility in the Breedplan system. The current ruling is that only natural matings are used to estimate fertility EBVS. The reality is that the majority of matings in seedstock herds are by artificial insemination. By contrast few commercial herds use AI intensively. The reason for excluding AI matings is that most of these programmes can induce non-cycling animals to cycle. So including them in the analysis would produce an EBV for Days to Calving **after** a Drug Induced Cycle. This is probably not a useful measure of fertility for commercial producers.

In most of our commercial clients' herds the major fertility challenge is to get their heifers with their first calf back into calf naturally in a short period.

**For these two reasons we have for the last ten years joined all our heifers with their first calves to a bull.**

Genetic fertility in the Kilburnie herd is high and is the result of the actions mentioned above. We think this result is pleasing because the fat levels (Rib and P8) in our herd are low despite the popular view that Fat and Fertility are positively related.

We have argued elsewhere that the number of days from Bull In to Conception would provide a more meaningful measure of fertility than the number of days from Bull In to Calving. The latter, which we all currently use, includes the gestation length.

### STRUCTURAL EBVs

Visual appraisal of animals is an important part of the process of breeding. This assessment can be strengthened by measuring important traits and calculating breeding values for them. We understand that the use of structural and related EBVs in dairy cattle has had a major impact on those animals. There seems to be no reason why the same should not be true for beef cattle.

Structural EBVs were first generally reported in 2016. We had been recording and accumulating data for some years before that. Recently we have been collecting information on all our bull calves prior to sale and on our heifers at 18 to 21 months of age. The P heifers in this catalogue were all structurally scored on February 6th, 2020. The raw scores have been submitted to Breedplan.

In practice there are issues with these measurements that concern us and other breeders. Despite this we have tried to use them in our breeding programme. This has been difficult as until recently there were few sources of bulls or semen with structural EBVs that we could access.

Along with feet and leg scores we have collected teat and udder scores for a number of years. If you want to see very functional udders you should visit a dairy where the animals have been scored for udder characteristics and selected on the resulting EBVs.

Only a small number of animals have been measured for all of these traits. Fortunately they are being measured in the Angus Sire Benchmarking Program.



# KILBURNIE ANGUS



## USING A DECISION SUPPORT SYSTEM TO INCLUDE ALL OF THIS INFORMATION ON ANIMALS IN A BREEDING PLAN

We have been joining about two hundred females a year. We have access both to our own bulls and hundreds of bulls by AI. We have 4 indices and 24 EBVs to consider in our selection process. We would like to ensure that each calf is not only a high indexing calf but also that it will not have an extremely high birth weight nor an extremely low EBV for claw set, for example.

I find it difficult to do this exercise manually so I have made use of a computerised decision support tool which provides suggestions about matings but does not impose a plan on me.

We were one of the very early users of Matesel to assist us in constructing a mating plan of this sort. Since those early days Matesel has been vastly improved and we have used it very intensively as a decision aid. Of major importance to us is that we can run this programme on the web at any time we like – e.g. at midnight on a Saturday night if that is when I want to work.

We have explicitly chosen to maximise the value of the Grass Fed Index. We can control inbreeding both in individual animals and in the herd. We can also put different types of constraints on any of the other EBVs.

During the process we get continuous feedback on what is happening to variables of interest. We can observe, for example, the distribution of the birthweight EBVs of the proposed progeny. If the results are unsatisfactory we can put constraints on that EBV. Such a constraint might be that the birthweight EBV of the calf should be below say 5, and furthermore, that it must not be greater than say 6. It is possible to do the same with other EBVs, e.g. docility or front feet claw set.

We can nominate which bulls can be used and whether by natural service or AI. We can specify which cows or heifers might be used as donors if we want to do embryo work. We can choose to specify which bulls can be joined to which cows (low birth weight bulls on maiden heifers, or physical bulls on first calf heifers).

These sorts of aids are being used to support decision making in other agricultural industries. They are also being adopted by a number of progressive cattle breeders elsewhere in the world.



# 2020 KILBURNIE FEMALE REDUCTION SALE BREEDPLAN EBV SUMMARY

## GREEN, BLUE, RED AND BLACK

We use Green, Red, Blue and Black in the following table to indicate where these cows are relative to the Angus breed.

**INDICES** are shaded with the **black** numbers in the top half (**50%**) of the breed. The **red** figures are in the top **20%** of the breed. The **blue** figures are in the top **5%** of the breed. The **green** figures are in the top 1% of the breed.

**EBVs** are shaded with the **red** numbers in the top half (**50%**) of the breed. The **blue** figures are in the top **25%** of the breed and the **green** figures are in the top **10%** of the breed. In both cases the unshaded (plain black) numbers are in the bottom half of the breed.

We show all four \$indices but only those EBVs that we believe to be economically the most important. In addition we show the birthweight EBV since some people see it as a more accurate predictor of calving ease than the calving ease EBV.

### **For cows and maiden heifers:**

1. The first line shows the society ident of the lot, the name of her sire, the society ID of her mother and then the colour coded indices and EBVs.
2. The second line shows the **expected\*** date of arrival of the calf, the name of its **expected** sire, the dam's ID and expected average progeny values of the outcome of the mating combination. The actual EBVs for the expected calf are likely to be different from these values.\*\*
3. The third line is a comment on the animal being offered for sale and its expected calf.

### **For the recipient cows (Lots 17 – 24 and 58 - 68):**

1. The first line in the table shows the society ident of the recipient cow, the ident of the donor cow, her sire and dam, her indices and EBVs.
2. The second line shows the sire and the dam of the embryo, the inbreeding for the mating and the expected average progeny values of the outcome of the mating combination. The actual EBVs for the expected calf are likely to be different from these values.\*\*
3. The third line is a comment on the donor and the expected calf.

The Indices and EBVs for the cows and heifers were extracted from information derived from an Angus Database Search between January 30 and February 10, 2020. The indices and EBVs for the expected calves were derived from the Angus Mating Predictor during the same period.

\* PLEASE NOTE THAT THESE ANIMALS WERE PREGNANCY TESTED USING ULTRASOUND ON JANUARY 29, 2020. The age of the foetus at that time was estimated. We calculated the likely date of birth of the calf assuming a gestation length of 280 days. We used our mating records to estimate the most likely sire. You should use this information only as an indication of who we THINK the most likely sire is. IF YOU HAVE DOUBTS ABOUT THE ACCURACY OF FOETAL AGING USING ULTRASOUND THEN YOU SHOULD IGNORE THE INFORMATION RELATING TO THE EXPECTED CALF.

\*\* Expected average progeny values are provided to assist breeders to estimate the outcome of particular mating combinations. The actual TransFasman Angus Cattle Evaluation EBVs for any progeny resulting from a particular mating are likely to vary from the expected average values.

LOT	Animal being sold		Sire of Animal/Donor		Dam of animal/ Donor Dam Id		\$Index			Growth			Fertili			Carcase																															
	Line 1: Animal	Line 2: Calf	Animal being sold	Expected calving date	Donor	Joining Sire/Embryo Sire	Dam of calf/ Donor Dam Id	ABI	DOM	GRN	GRS	Calv. Dir	Bth Wt	600	MCW	DTC	CWT	P8	RBY	IMF																											
1	Animal	Calf	NURG132	19/08/2020	Te Mania Deegan VTMD309	Murray Proceed N68 NURN68	NURA38	128	110	131	123	2.6	5.3	96	68	-9.4	46	5.8	-1.5	2.5																											
		Comment	This cow has had eleven calves in seven years and is pregnant again to a natural joining. The father of the calf is a very high marbling son of HPCA Proceed out of the J105 cow that has been such a valuable animal for us.																																												
2	Animal	Calf	NURM99	17/08/2020	Murray Grando J136 NURJ136	Rennylea H708 NORH708	NURG132	137	116	145	131	5.0	4.2	112	81	-6.8	59	3.1	-0.7	2.6																											
		Comment	NURJ136 is an exceptional son of Grando that performed very well in cohort 6 of the ASBP. M99's mother, G132, is offered for sale here. Another daughter of G132, N19 by Rennylea Kodak, is also on the sale. A productive family.																																												
3	Animal	Calf	NURN19	12/08/2020	Rennylea Kodak NORK522	Murray Kodak NURN70	NURG132	160	131	187	144	4.0	5.8	123	120	-10.1	66	2.0	-0.3	3.3																											
		Comment	Another daughter of G132 that has performed so steadily for us. The mating of Kodak to G132 produced the lift in performance that we wanted. We intentionally mated N19 to our very good Kodak son, N70. The resulting calf is expected to have all indices in the top 5% of the breed, with a valuable combination of marbling and meat yield and the outstanding fertility that we have bred into our animals.																																												
4	Animal	Calf	NURN7	11/08/2020	Esslemont Lotto WWEL3	Murray Kodak NURN70	NURG102	171	139	207	151	5.3	5.0	135	126	-8.3	73	-0.1	0.0	4.4																											
		Comment	A very high indexing daughter of the popular Esselmont Lotto. She has now passed all the compulsory hoops for a second calf heifer with a good first calf on the ground, an early natural second pregnancy and a positive structural assessment. With an IMF% EBV of 4.4 she has to be a very serious option for any performance breeder. Her mother, NURG102, had six calves for us, including NURK51 that was the donor of the embryos in three of the recipients being offered for sale today.																																												
5	Animal	Calf	NURJ105	24/07/2020	Murray El Grando NURG20	G A R Sure Fire USA17328461	NURJ105	160	128	191	142	3.1	4.8	126	110	-8.9	79	-1.3	1.0	3.4																											
		Comment	J105 has been an important animal in our program. Her father, Murray El Grando G20, and her maternal grandfather, Tuwharetoa Regent B145, were bulls with the combination of IMF% and retail beef yield that we have been trying to lock into our animals. We have flushed her over the last few years and she now has 17 progeny on the ground. Lot 6 is her daughter, which was intentionally mated to NUR Proceed N68.																																												
6	Animal	Calf	NURM131	12/09/2020	Murray Prophet NURK76	Murray Proceed N68 NURN68	NURJ105	151	128	176	138	-5.0	6.5	143	124	-6.3	80	-2.1	1.5	2.9																											
		Comment	A natural daughter of J105 by the best Prophet son that we have bred. Her strengths are the low mature weight and the carcass EBVs. She was intentionally mated to a J105 son (Proceed N68) to lock the qualities of J105 into another generation.																																												
7	Animal	Calf	NURN47	17/09/2020	Murray El Grando NURG20	Te Mania Norvel VTMT1589	NURG81	125	115	145	115	-4.9	3.6	107	88	-3.8	63	-2.5	1.8	3.3																											
		Comment	G81, the mother of N47, is a cow that bred very well for us over a number of years. We flushed her successfully and she has a number of daughters (including M17 and M189, lots 11 and 12, that are on sale today). This daughter has combined G81's moderate birth weight with the carcass excellence of G20. N47 has meat yield and IMF% both in the top 10% of the breed and this alone makes her well worth considering. She is naturally pregnant to Te Mania Norvel.																																												
<b>The EBVs in this table are from the TransTasman Angus Cattle Evaluation - Mid February 2020</b>								1%	5%	10%	25%	50%	159	136	187	147	148	130	170	138	8.7	2.2	132	122	-7.1	76	1.2	1.6	3.2	6.1	3.2	122	110	-6.0	70	0.4	1.1	2.5	2.6	4.3	112	97	-4.8	64	-0.4	0.6	1.8

LOT	Animal being sold		Sire of Animal/Donor		Dam of animal/ Donor Dam Id		Inbreeding			\$Index			Growth			Fertili			Carcase					
	Line 1: Animal	Line 2: Calf	Animal being sold	Expected calving date	Donor	Joining Sire/Embryo Sire	Dam of calf/ Donor Dam Id	AB	DOM	GRN	GRS	Calv. Dir	Bth Wt	600	MCW	DTC	CWT	P8	RBV	IMF				
8	Animal		NURP43		Murray El Grando NURG20	NURK23	145	124	162	136	-8.2	7.4	133	106	-6.4	78	0.2	1.5	2.5					
	Calf		1/08/2020		Te Mania Norvel VTMN1589	NURP43	0.05	149	125	169	139	-1.4	5.5	133	109	-6.5	80	-0.8	1.4	2.6				
	Comment		We used G20 to lift the performance of some of our smaller animals. P43 is a good example of this strategy. She has growth and carcass merit. The days to calving EBV suggest above breed average fertility and she became pregnant naturally on the first cycle. Joined to a high performance bull with low birth weight, such as Norvel, we get high performance without excessive birth weight. This is the foundation from which you can breed elite animals.																					
9	Animal		NURP171		Murray Grando M112 NURM112	NURM183	151	126	168	144	4.5	3.9	151	129	-4.3	82	-0.9	0.3	2.4					
	Calf		24/07/2020		Murray General NURP4	NURP171	0.07	165	138	188	153	4.8	4.1	143	113	-6.3	79	-1.3	1.1	2.8				
	Comment		P171 has a pedigree going all the way back to G20 through her father. She has the combination of growth and calving ease that we have always aimed for. Additionally by using a high performance bull, such as our General P4, we expect high index values and a very satisfactory set of EBVs.																					
10	Animal		NURN65		Murray Grando NURJ136	NURK17	151	133	167	142	7.8	3.9	127	102	-5.7	68	-1.1	1.6	2.3					
	Calf		25/09/2020		Te Mania Norvel VTMN1589	NURN65	0.04	152	129	172	142	6.7	3.8	129	107	-6.1	75	-1.4	1.4	2.5				
	Comment		Another daughter of J136, an attractive well muscled bull that performed very well in Cohort 6 of the ASBP. N65 locks in the sensible birth weight, growth and mature weight of the father together with the desirable combination of meat yield and IMF%. She combines fertility with leanness and the 100 year drought did not stop her getting naturally pregnant in a very ordinary paddock. We are reasonably sure that the cow is pregnant to Te Mania Norvel, there is a possibility that the sire is Murray Proceed N68.																					
11	Animal		NURM189		Ayrvale Bartel HIOE7	NURG81	158	135	178	147	1.6	4.4	142	110	-6.1	85	-2.2	1.4	2.6					
	Calf		10/09/2020		Te Mania Norvel VTMN1589	NURM189	0.07	156	130	177	144	3.6	4.0	137	111	-6.3	84	-2.0	1.3	2.7				
	Comment		This heifer is a full flush sister to NURM17 below. The mother was an outstanding daughter of SS Objective OT26 from a Lawsons cow by Bon View New Design 1407 that we bought at the Tuwharetoa dispersal in 2010. We knew that the flush to Bartel might produce animals with problems associated with temperament and rear leg structure but that it could also produce calves with an extraordinary combination of calving ease, growth and moderate mature size. Of the ten calves produced from this flush these are the two that have survived. We saw Te Mania Norvel as an appropriate bull to correct these features.																					
12	Animal		NURM17		Ayrvale Bartel HIOE7	NURG81	146	132	160	138	12.6	1.0	112	86	-6.6	76	-1.3	0.9	2.6					
	Calf		17/09/2020		Te Mania Norvel VTMN1589	NURM17	0.07	150	129	168	140	9.1	2.3	125	99	-6.6	79	-1.5	1.1	2.7				
	Comment		A proven daughter of Bartel E107, one of the highest usage bulls in Australia. She has all the demonstrated strengths of the father - calving ease, growth and moderate mature size, with marbling as a bonus. She has had 10 progeny in our herd having been flushed very successfully as a maiden heifer. We think that she could make a positive contribution to many herds and saw her as a foundation in our own herd.																					
13	Animal		NURP37		G A R Twinhearts 8418 USA16350631	NURM17	167	140	194	153	9.3	2.6	144	117	-6.6	82	-3.5	1.8	2.9					
	Calf		27/07/2020		Murray Longshot NURP92	NURP37	0.09	165	138	194	150	10.4	1.5	137	100	-6.7	80	-2.3	0.5	3.7				
	Comment		P37 is a heifer with the potential to make a positive contribution to any breeding programme. G A R Twinhearts was one of the first animals to come out of the important Gardiner Angus Ranch with the sort of growth and carcass attributes that we in Australia need to meet the requirements of our long fed markets. M17, the mother of this heifer, is a daughter of our G81. Twinhearts and G81 are half sibs, their father is SS Objective T510 OT26. This animal has the performance genetics from North America that we need in our industry. The mating to our P92 continues this emphasis as he has G A R Prophet and Twinhearts in his pedigree.																					
14	Animal		NURP7		G A R Twinhearts 8418 USA16350631	NURM17	169	147	196	155	11.1	2.7	144	126	-5.4	86	-3.1	1.8	3.1					
	Calf		12/08/2020		Murray Kodak NURN70	NURP7	0.03	164	140	190	149	8.0	3.3	134	125	-7.1	80	-2.1	1.9	2.9				
	Comment		A full flush sister to P37, lot 13 above. We flushed this heifer to G A R Scale House and she produced a large number of embryos - some of which are on sale here.																					
<b>The EBVs in this table are from the TransTasman Angus Cattle Evaluation - Mid February 2020</b>																								
							1% 159	136	187	147														
							5% 148	130	170	138														
							20% 134	121	149	127	10% 8.7	2.2	132	122	-7.1	76	1.2	1.6	3.2					
							50% 119	112	125	116	25% 6.1	3.2	122	110	-6.0	70	0.4	1.1	2.5					
											50% 2.6	4.3	112	97	-4.8	64	-0.4	0.6	1.8					

LOT	Line 1: Animal		Animal being sold		Sire of Animal/Donor		Dam of animal/ Donor Dam Id		Inbreeding		\$Index		Growth		Fertili		Carcase									
	Line 2: Calf	Line 3:	Expected calving date	Donor	Joining Sire/Embryo Sire	Donor Dam Id	Dam of calf/ Donor Dam Id	ABl	DOM	GRN	GRS	Calv. Ease Dir	Bth Wt	600	MCW	DTC	CWT	P8	RBY	IMF						
15	<b>Animal</b> NURP65		9/08/2020		G A R Twinhearts 8418 USA16350631	NURM17	NURM17	158	138	183	146	10.3	2.0	148	136	-5.6	91	-3.0	0.7	3.0						
	<b>Calf</b>				Murray Kodak NURN70	NURP65	NURP65	158	136	184	145	7.6	2.9	136	130	-7.2	83	-2.0	1.3	2.9						
	<b>Comment</b>				A full flush sister to P37 and P7, lots 13 and 14. These are three very high performance heifers.																					
16	<b>Animal</b> NURP71		24/07/2020		Murray Bartel M170 NURM170	NURM87	NURM87	152	136	163	144	10.2	4.1	126	111	-7.4	78	-0.4	1.7	1.8						
	<b>Calf</b>				Murray General NURP4	NURP71	NURP71	166	143	185	153	7.6	4.2	131	104	-7.9	77	-1.1	1.8	2.5						
	<b>Comment</b>				P71 is by a high indexing Bartel E7 son of our very successful flush of the G81 cow .M87, the mother, is by Pathfinder Genesis. As we would expect she has calving ease, growth and fertility. We believe P4 will improve the carcass EBVs while retaining the other strengths of this sound young cow.																					
17	<b>Animal</b> NURK81 - Recip		17/07/2020	NURP7	G A R Twinhearts 8418 USA16350631	NURM17	NURM17	169	147	196	155	11.1	2.7	144	126	-5.4	86	-3.1	1.8	3.1						
	<b>Calf</b>				G A R Scale House USA17354047	NURP7	NURP7	172	150	199	158	5.3	3.8	150	129	-5.5	86	-3.4	2.4	2.9						
	<b>Comment</b>				One flush of P7 to G A R Scale House produced the eight successful pregnancies offered here. The donor P7, lot 14, is by G A R Twinhearts out of lot 12, M17, that in turn is the most successful daughter of a mating of Bartel E7 and our G81 by SS Objective OT26. The father of the embryo, G A R Scale House, has a similarly stacked pedigree with MCC Daybreak and G A R New Design 5050 figuring prominently. The embryo calf has a pedigree full of important performance recorded animals.																					
18	<b>Animal</b> NURK15 - recip		17/07/2020	NURP7	G A R Twinhearts 8418 USA16350631	NURM17	NURM17	169	147	196	155	11.1	2.7	144	126	-5.4	86	-3.1	1.8	3.1						
	<b>Calf</b>				G A R Scale House USA17354047	NURP7	NURP7	172	150	199	158	5.3	3.8	150	129	-5.5	86	-3.4	2.4	2.9						
	<b>Comment</b>				Her calf is potentially one of the best animals we have bred. It took years of planning and careful execution. You will possibly get one more opportunity to buy a calf from this mating.																					
19	<b>Animal</b> NURJ91 - recip		17/07/2020	NURP7	G A R Twinhearts 8418 USA16350631	NURM17	NURM17	169	147	196	155	11.1	2.7	144	126	-5.4	86	-3.1	1.8	3.1						
	<b>Calf</b>				G A R Scale House USA17354047	NURP7	NURP7	172	150	199	158	5.3	3.8	150	129	-5.5	86	-3.4	2.4	2.9						
	<b>Comment</b>				Check the comments on lots 17 and 18. They are products of the same flush and could prove to be exceptional animals.																					
20	<b>Animal</b> NURF345 - recip		17/07/2020	NURP7	G A R Twinhearts 8418 USA16350631	NURM17	NURM17	169	147	196	155	11.1	2.7	144	126	-5.4	86	-3.1	1.8	3.1						
	<b>Calf</b>				G A R Scale House USA17354047	NURP7	NURP7	172	150	199	158	5.3	3.8	150	129	-5.5	86	-3.4	2.4	2.9						
	<b>Comment</b>				Check the comments on the three preceding lots, products of the same flush, and all potentially exceptional animals.																					
21	<b>Animal</b> NURF349 - recip		17/07/2020	NURP7	G A R Twinhearts 8418 USA16350631	NURM17	NURM17	169	147	196	155	11.1	2.7	144	126	-5.4	86	-3.1	1.8	3.1						
	<b>Calf</b>				G A R Scale House USA17354047	NURP7	NURP7	172	150	199	158	5.3	3.8	150	129	-5.5	86	-3.4	2.4	2.9						
	<b>Comment</b>				We have four more pregnancies from the flush of P7 and G A R Scale House.																					
22	<b>Animal</b> NURF273 - recip		17/07/2020	NURP7	G A R Twinhearts 8418 USA16350631	NURM17	NURM17	169	147	196	155	11.1	2.7	144	126	-5.4	86	-3.1	1.8	3.1						
	<b>Calf</b>				G A R Scale House USA17354047	NURP7	NURP7	172	150	199	158	5.3	3.8	150	129	-5.5	86	-3.4	2.4	2.9						
	<b>Comment</b>				Statistics 101: The expected values for all four indices of this embryo are in the higher end of the top 1% of the breed. Calving ease is in the top 30% of the breed. 600 day weight, days to calving , carcass weight and meat retail beef yield are ALL in the top 2% of the breed. If you buy one embryo you have a 50% chance that it will be better than the expected values shown and a 50% chance that it will be worse. If you buy more than one embryo you increase the chance of breeding a calf with better performance than the expected indices and EBVs.																					
								1%	159	136	187	147														
								5%	148	130	170	138														
								20%	134	121	149	127	10%	8.7	2.2	132	122	-7.1	76	1.2	1.6	3.2				
								50%	119	112	125	116	25%	6.1	3.2	122	110	-6.0	70	0.4	1.1	2.5				
												50%	2.6	4.3	112	97	-4.8	64	-0.4	0.6	1.8					

The EBVs in this table are from  
the TransTasman Angus Cattle Evaluation -  
Mid February 2020

LOT	Line 1: Animal sold	Animal being sold	Expected calving date	Donor	Sire of Animal/Donor	Dam of animal/ Donor Dam Id	Inbreeding	\$Index	Calv. Ease Dir	Bth Wt	Growth	Fertili	Carcase				
	Line 2: Calf	Animal being sold	Expected calving date	Donor	Sire of Animal/Donor	Dam of animal/ Donor Dam Id	Inbreeding	\$Index	Calv. Ease Dir	Bth Wt	600	MCW	DTC	CWT	P8	RBY	IMF
	Line 3:	Comment on dam/donor dam and calf															
23	Animal Calf Comment	NURF297 - recip 17/07/2020	NURP7	G A R Twinhearts 8418 USA16350631 G A R Scale House USA17354047	NURM17 NURP7	0.06	169 147 196 155 172 150 199 158	11.1 2.7 5.3 3.8	2.7 3.8	144 126 150 129	-5.4 86 -5.5 86	-3.1 1.8 -3.4 2.4	3.1 2.9	Another embryo pregnancy from the successful flush of P7. This is a cross of G A R Scale House and G A R Twinhearts. These are two bulls from the Gardiner's performance focused breeding programme that has been in existence for the last eighty years. Their EBVs suit Australian market requirements. We are proud to be able to offer you access to these animals.			
24	Animal Calf Comment	CXBE26 - recip 17/07/2020	NURP7	G A R Twinhearts 8418 USA16350631 G A R Scale House USA17354047	NURM17 NURP7	0.06	169 147 196 155 172 150 199 158	11.1 2.7 5.3 3.8	2.7 3.8	144 126 150 129	-5.4 86 -5.5 86	-3.1 1.8 -3.4 2.4	3.1 2.9	This is your last chance to buy into this mating.			
25	Animal Calf Comment	BNAE105 14/08/2020	BNAE52 BNAE105	B/R Ambush USA14188956 Murray Kodak NURN70			116 108 139 103 137 121 162 123	6.2 2.9 5.6 3.4	2.9 3.4	78 77 101 101	-6.2 44 -7.5 59	-1.0 -0.3 -1.0 0.8	4.0 3.4	We purchased this cow at the Tuwharetoa dispersal. She has now had nine natural calves and two embryo calves. Her most recent calf (by Rennylea H708) has a marbling EBV of 4.9. If we were retaining this cow we would repeat that mating. SHE IS THE ONLY COW ON THE SALE THAT IS NOT EU TRANSFERABLE.			
26	Animal Calf Comment	NURN63 23/08/2020	BNAE105	Murdeduke Hussar CSWH211 Murray Kodak NURN70			130 110 154 118 144 122 169 131	8.4 4.4 6.7 4.1	4.4 4.1	112 119 112 122	-6.1 68 -7.4 71	-0.6 0.3 -0.6 0.3	3.1 3.1	NURN63 is a daughter of BNAE105, a rising 11 year old, pregnant cow still in good working order and never having missed a calf. N63 should become a productive breeding cow capable of producing quality calves when joined to a high performing bull.			
27	Animal Calf Comment	NURK59 24/07/2020	NURH57 NURK59	PA Power Tool 9108 USA16381311 Rennylea H708 NORH708			126 111 130 124 142 123 168 130	-7.2 6.5 -7.6 5.7	6.5 5.7	130 78 130 93	-4.3 68 -3.8 71	-1.2 1.0 -1.2 1.0	2.3 3.7	K59 is a daughter of P A Power Tool that bred very well for us. She has had four calves, including two male calves that were sold at our annual bull sales. The calf that she is bearing should be a very useful animal.			
28	Animal Calf Comment	NURM77 24/07/2020	NURK49 NURM77	Murray Power Tool NURK22 G A R Phoenix USA18636106			121 116 122 119 158 141 173 148	13.4 -0.7 9.1 1.6	0.7 1.6	95 64 126 101	-6.5 55 -7.9 75	0.2 0.2 -0.3 0.9	2.1 2.6	M77 is a very special heifer for us. Her Indices did not initially qualify her for inclusion in our breeding program but once we had structural EBVs we promoted her. We have joined her to G A R Phoenix (that, like most American and Australian bulls, does not have structural EBVs) in the hope that the resulting calf would have better than average performance and structural soundness. Her father, Murray Power Tool K22, was the first bull that we selected primarily to improve structural EBVs. He does not have performance but we were trading performance for measured structure.			
29	Animal Calf Comment	NURM65 18/08/2020	NURK33 NURM65	Murray Power Tool NURK22 Rennylea H708 NORH708			105 104 103 108 132 119 155 122	3.6 2.3 -2.2 3.6	2.3 3.6	112 87 123 98	-2.1 62 -2.7 67	0.2 -0.5 -2.3 0.9	1.9 3.5	NURM65 does not meet our normal criteria for index values but was retained in the herd because she has an exceptional set of structural EBVs. Her father, NURK22, a son of P A Power Tool, was an outstanding example of the best features of these more traditional Angus. He is currently being progeny tested in cohort 8 of the ASBP. We are pleased to note that his calves have the lowest average birthweight in the cohort. The mating to Rennylea H708 is an attempt to improve growth rate and carcass quality in this line.			
30	Animal Calf Comment	NURN87 23/09/2020	NURK121 NURN87	Murray G24 K118 NURK118 Te Mania Norvel VTMN1589			139 124 150 132 146 125 163 137	-0.4 6.1 2.6 4.9	6.1 4.9	128 120 130 116	-7.8 77 -7.2 79	-0.7 1.8 -1.2 1.5	1.3 2.0	This young cow has values in the top 20% of the breed for all four indices. She has a good spread of traits and will produce good saleable progeny when joined to a bull like Norvel. K118 was one of the first bulls we chose to use when we sacrificed pure performance for improved structural EBVs. The secret now is to find the high performance bulls to continue this progress. We are reasonably sure that the cow is pregnant to Te Mania Norvel but there is a possibility that the sire is Murray Proceed N68.			
<p>The EBVs in this table are from the TransTasman Angus Cattle Evaluation - Mid February 2020</p>																	
<p>1% 159 136 187 147 5% 148 130 170 138 20% 134 121 149 127 50% 119 112 125 116</p>																	

LOT	Line 1: Animal		Animal being sold		Sire of Animal/Donor		Dam of animal/ Donor Dam Id		\$Index			Growth			Fertili			Carcase					
	Line 2: Calf	Animal being sold	Expected calving date	Donor	Joining Sire/Embryo Sire	Donor Dam Id	Dam of calf/ Donor Dam Id	Inbreeding	ABI	DOM	GRN	GRS	Calv. Dir	Bth Wt	600	MCW	DTC	CWT	P8	RBY	IMF		
31		NURN85	31/08/2020	Murray G24 K118 NURK118	Murray Kodak NURN70	NURK31	NURK31	0.07	146	122	168	133	5.2	3.4	112	109	-7.7	73	0.3	0.0	3.0		
	<b>Comment</b>	A daughter of the donor cow NURK31 with a proven fertility record and now naturally pregnant to our Kodak N70. This cow is set up to be the mother of high performance progeny for the rest of her productive life.																					
32		NURN73	15/09/2020	Murray Emperor NURL52	Te Mania Norvel VTMN1589	NURN73	NURL39	0.06	156	136	176	145	3.3	4.9	127	87	-7.6	79	-2.6	2.1	2.4		
	<b>Comment</b>	With a Kilburnie bred father and mother, and with Emperor and Waitara Pio in the pedigree, we fully expect that there will be sensible performance and fertility in this animal. Her calf last year was Q001, the first to arrive, and her calf this year will be an early one. Combined with a very good set of carcass EBVs we expect that this young cow could make a positive contribution in many herds in the future.																					
33		NURP63	16/08/2020	Murray Emperor NURL52	Murray Longshot NURP92	NURM107	NURP63	0.05	135	120	143	129	4.3	4.2	112	93	-6.8	59	0.0	0.1	1.9		
	<b>Comment</b>	Again we have a heifer with the potential to become a quiet achiever in your herd. Indices in the top 20% of the breed, with a satisfactory combination of calving ease, growth and low mature weight. Mated to a very high performance bull such as P92 she will produce calves with the all round superior performance that commercial producers need.																					
34		NURM127	30/09/2020	Murray Thunderbird NURK30	Murray Proceed N68 NURN68	NURM127	NURK45	0.05	136	124	147	128	-1.0	5.0	122	96	-7.7	74	-0.5	0.5	2.2		
	<b>Comment</b>	M127 is a young cow of demonstrated fertility with enough performance to be able to breed saleable registered cattle. She should have a secure place in a bull breeding operation.																					
35		NURP107	26/08/2020	Topbos Leading Edge DBLL292	Murray Kodak NURN70	NURK85	NURP107	0.05	148	125	163	139	-4.0	7.2	150	127	-9.0	80	0.4	0.2	1.9		
	<b>Comment</b>	P107 was potentially an important animal in our programme with an unusual pedigree. Her mother, K85, is by EXAR Expand. He still has one of the best EBVs for days to calving (with a remarkably high accuracy) and we used him primarily for that reason. Leading Edge is a high indexing, big lean son of Prophet also with a short days to calving EBV. P107 is a high growth rate, large Angus cow but with a days to calving EBV in the top 2% of the breed. If you want big fertile Angus cattle and you think EBVs have some meaning, then this cow will be an important stepping stone to assist you to achieve your goal.																					
36		NURP59	29/07/2020	Murray Genesis M202 NURM202	Murray Longshot NURP92	NURM79	NURP59	0.05	133	114	147	123	5.4	5.2	100	96	-8.6	55	1.5	0.4	2.4		
	<b>Comment</b>	A good example of theory and practice working together. This cow is in the top 10% of the breed for fertility and she has an early pregnancy. The mother is a daughter of EXAR Expand that is a breed leader for fertility. We do not know where else you can buy into these genetics. They can be the building blocks for well balanced performance. The mating to P92 shows the potential. The calf is expected to have calving ease and more than adequate growth with low mature weight.																					
37		NURG49	24/07/2020	Te Mania Red Label VTMZ1023	G A R Phoenix USA18636106	NURY6	NURG49	0.04	122	109	128	114	5.7	4.1	92	58	-11.6	48	0.2	-0.3	1.8		
	<b>Comment</b>	G49 is a black cow but carries a red gene. She is a very reliable older cow that has bred very well for us. We used a son of hers (Murray Emperor L52 by Te Mania Emperor) in our breeding program and two of his daughters are being offered for sale here.																					
<b>The EBVs in this table are from the TransTasman Angus Cattle Evaluation - Mid February 2020</b>																							
									1%	159	136	187	147										
									5%	148	130	170	138										
									20%	134	121	149	127	10%	8.7	2.2	132	122	-7.1	76	1.2	1.6	3.2
									50%	119	112	125	116	25%	6.1	3.2	122	110	-6.0	70	0.4	1.1	2.5
									50%	119	112	125	116	50%	2.6	4.3	112	97	-4.8	64	-0.4	0.6	1.8

LOT	Animal being sold		Sire of Animal/Donor		Dam of animal/ Donor Dam Id		Inbreeding			\$Index		Growth			Fertiliti			Carcase		
	Line 1: Animal	Line 2: Calf	Animal being sold	Expected calving date	Donor	Joining Sire/Embryo Sire	Dam of calf/ Donor Dam Id	AB1	DOM	GRN	GRS	Calv. Ease Dir	Bth Wt	600	MCW	DTC	CWT	P8	RBY	IMF
38	Animal	Calf	NURP179 22/07/2020	Murray Proceed M198	NURM198	NURK25	136	114	155	126	1.3	4.6	131	122	-6.4	74	-2.2	0.5	2.5	
				Murray Longshot	NURP92	NURP179	0.06	149	125	174	6.4	2.5	130	102	-6.6	76	-1.6	-0.2	3.5	
				K25 was sold last year to another registered herd as a PTIC breeder and is a daughter of G49 (lot 37 in this catalogue). M198 was one of our earliest sons of H P C A Proceed from the very sound cow J43. This is a very solid pedigree and we expect that she will breed well.																
39	Animal	Calf	NURH51 24/07/2020	Te Mania Daiquiri	VTMD19	VSNCR85	125	116	140	118	1.2	3.6	108	113	-3.9	47	-1.1	1.8	2.4	
				G A R Phoenix	USA18636106	NURH51	0.03	160	141	182	3.0	3.7	133	125	-6.6	71	-0.9	1.7	2.8	
				A Red Cow with Te Mania bloodlines. Soft and earlier maturing. Phoenix is a pure black bull so that the calf will be a black coated, red gene carrier with the potential to put Black Angus genetics into a red coated animal. These animals should mesh well with the superior red gene carriers we have bred from Te Mania Morrell M1425.																
40	Animal	Calf	NURL29 24/07/2020	Bieber Steakhouse	Y165 USA1436904	NURJ7	121	114	118	121	10.1	0.8	101	89	-7.2	56	2.1	-0.1	1.2	
				Murray General	NURP4	NURL29	0.02	150	132	163	7.6	2.5	112	93	-7.8	67	0.2	0.9	2.2	
				A Red Cow of pure North American breeding. She was purposely bred to a high performing black bull to provide a basis for breeding high performance, red coated cattle.																
41	Animal	Calf	NURN79 23/09/2020	Brown JYJ Redemption	Y1334 USA1441805	NURL153	128	124	134	127	7.0	1.9	128	114	-3.8	74	-3.2	1.3	1.3	
				Murray Marble Bar	P NURP10	NURN79	0.14	122	121	127	9.3	1.0	112	101	-5.2	62	-1.8	0.9	1.5	
				A red cow with almost pure American parentage. We have wanted to breed these animals to be more suited to our Australian long fed market. The mating to a son of Milwillah Marble Bar is a step in this direction.																
42	Animal	Calf	NURP3 24/07/2020	Milwillah Marble Bar	NJWJ53	NURL107	126	119	136	120	6.5	4.2	109	99	-6.4	65	-0.6	0.3	2.1	
				Te Mania Morell	VTMM1425	NURP3	0.04	146	130	166	9.2	3.5	123	112	-6.6	72	-1.2	0.3	2.9	
				A red cow with performance that more than matches most black Angus. Milwillah Marble Bar has both Te Mania Berkeley and Te Mania Africa in his pedigree. Te Mania Morell is one of a handful of the very high performance Angus animals that carry a red gene. If your clients need red coated, heat tolerant, Angus cattle then this cow could help to meet that need. The calf is potentially an important step in a red Angus programme.																
43	Animal	Calf	NURP51 3/09/2020	Milwillah Marble Bar	NJWJ53	NURM71	127	113	136	122	7.0	1.9	112	107	-6.5	59	0.1	-0.2	1.9	
				Te Mania Morell	VTMM1425	NURP51	0.05	146	127	166	9.5	2.4	127	115	-6.7	69	-0.8	0.1	2.8	
				A red cow, with the same breeding and mating as P3, lot 41. Another opportunity to put a red coat on black genetics. Heat tolerance is an important requirement in many areas of this country and the ASBP has a project running to test for heat tolerance in Angus. Two of our more observant fellow breeders suspect that black coated cattle are more susceptible to buffalo fly than red coated cattle. We have had buffalo fly on Straban in the last few years.																
44	Animal	Calf	NURP83 10/09/2020	Milwillah Marble Bar	NJWJ53	NURL29	131	115	143	125	13.8	1.2	112	115	-6.1	66	1.0	-1.0	2.4	
				Murray Kodak	NURN70	NURP83	0.04	145	124	164	9.4	2.5	122	120	-7.4	70	0.0	0.5	2.6	
				The third red pregnant heifer by Crow Bar. She was intentionally mated to N70. Her calf will be black with a red gene and the potential to breed some high performance Red Angus progeny.																
45	Animal	Calf	NURG34 24/07/2020	B/R Ambush	USA14188956	VTMD113	135	121	150	125	-3.0	6.8	112	98	-8.2	62	-0.7	1.5	2.2	
				Rennylea	H708 NORH708	NURG34	0.05	147	128	178	-5.5	5.8	112	103	-5.8	68	-2.7	1.9	3.6	
				G34 was an embryo calf by B/R Ambush 28 from Te Mania Queanbeyan D113 that bred so well for us. One of our long term goals has been to breed cattle that are fertile, marble and yield at the highest level. The calf by Rennylea H708 is predicted to have these characteristics.																
				1% 159 136 187 147 5% 148 130 170 138 20% 134 121 149 127 50% 119 112 125 116																

The EBVs in this table are from  
the TransTasman Angus Cattle Evaluation -  
Mid February 2020



LOT	Line 1: Animal		Animal being sold		Sire of Animal/Donor		Dam of animal/		Inbreeding		\$Index		Growth		Fertili		Carcase		
	Line 2: Calf	Expected calving date	Donor	Joining Sire/Embryo Sire	Dam of calf/ Donor Dam Id	AB	DOM	GRN	GRS	Calv. Dir	Bth Wt	600	MCW	DTC	CWT	P8	RBV	IMF	
Line 3:	Comment on dam/donor dam and calf																		
46	Animal Calf	NURM33 20/09/2020	Pathfinder Genesis SMPG357	NURG34	NURM33	161	139	174	151	2.1	5.6	134	118	-8.4	78	-0.1	2.7	1.4	
	Comment	NURM33 was an embryo calf from NURG34, lot 45 above. She has had two calves and is now pregnant with her third calf by our P68, an HPAC Proceed son out of J105. Her father, Pathfinder Genesis, is one of the most heavily used bulls in the breed with more than 2,000 calves. Like Genesis she is a high growth animal carrying a lot of condition even after three very hard seasons.																	
47	Animal Calf	NURP23 23/07/2020	G A R Twinhearts 8418 USA16350631	NURM1	NURP23	153	134	171	145	10.0	2.9	144	132	-4.7	85	-1.2	0.8	2.4	
	Comment	Te Mania Norvel VTMN1589 On the mother's side of the pedigree this heifer goes back to G34 (lot 45) that has been one of our most reliable breeders. M1 is a daughter of Pathfinder Genesis, a high growth bull with positive fat EBVs. P23 is a very large animal with a small birth weight. Her calf by Norvel should have growth, calving ease and sound carcass EBVs.																	
48	Animal Calf	NURJ93 15/09/2020	A A R Ten X SA USA15719841	NURG114	NURJ93	147	130	161	140	4.6	4.9	132	99	-5.4	76	-0.2	0.5	2.5	
	Comment	Te Mania Norvel VTMN1589 We used AAR Ten X, J93's father, mainly for his growth curve but he also threw progeny with carcass weight and yield. This daughter inherited the genes for these attributes. She has had five calves, including the important natural calf as a three year old. The mating with Te Mania Norvel should produce a fertile, structurally sound animal with well above average performance. The combination of fertility and leanness in this line of animals is a very valuable trait to breed into your animals.																	
49	Animal Calf	NURL119 24/07/2020	Ardrossan Exact NAQE162	NURJ93	NURL119	140	123	148	135	-0.8	5.5	136	100	-5.5	80	-0.9	1.8	1.6	
	Comment	Murray General NURP4 The first calf of NURJ93, a Ten X daughter, is offered for sale here. She has passed the fertility test with three calves in three years including the obligatory natural second calf.																	
50	Animal Calf	NURP163 22/07/2020	Murray El Grando NURG20	NURK31	NURP163	163	134	197	145	1.1	5.1	133	122	-7.8	85	-1.6	1.3	3.5	
	Comment	Murray Kodak NURN70 We think this is one of the more interesting animals being offered for sale. The mother, K31, is a Regent daughter out of one of our very early Twinhearts daughters. Grando, G20, had high marbling and IMF%. P163 has a little bit more birthweight than some would like but she has most other features you might want in a cow, including fertility in the top 20% of the breed. The expected calf by Kodak N70 has very similar EBVs. On the basis of the pregnancy test results she should calve very early.																	
51	Animal Calf	NURP181 5/09/2020	Murray El Grando NURG20	NURK31	NURP181	139	122	162	126	-7.3	5.5	112	80	-6.1	68	-1.8	2.0	3.3	
	Comment	Murray Kodak NURN70 The same mating as lot 50 that was designed to produce this valuable combination of marbling and meat yield. The mating to N70 will preserve this and constrain the birthweight.																	
52	Animal Calf	NURL33 24/07/2020	WK Replay USA16154968	NURG32	NURL33	139	119	161	125	10.4	3.6	108	80	-8.9	69	-1.7	0.1	3.2	
	Comment	Rennylea H708 NORH708 The mother of this cow was one of the highest performing Berkley daughters that we have bred. The father, WK Replay, is a 1407 son that has had more than 700 sons recorded in Australia. L33 is a moderate framed mature cow that has bred well for us. Her EBVs are good for an older proven cow.																	
53	Animal Calf	NURL43 24/07/2020	WK Replay USA16154968	NURG32	NURL43	150	119	184	131	5.4	6.7	124	130	-9.9	73	-3.2	0.7	3.3	
	Comment	Rennylea H708 NORH708 L43 is a full flush sister to L33. These two sisters have been through our system and should now go on to produce good saleable progeny. The mating to Rennylea H708 was to build on the marbling in these two animals. The progeny should have the valuable combination of a very high level of marbling with high meat yield and growth.																	
<p>The EBVs in this table are from the TransTasman Angus Cattle Evaluation - Mid February 2020</p>																			
<p>1% 159 136 187 147 5% 148 130 170 138 20% 134 121 149 127 50% 119 112 125 116</p>																			
<p>10% 8.7 2.2 132 122 -7.1 76 1.2 1.6 3.2 25% 6.1 3.2 122 110 -6.0 70 0.4 1.1 2.5 50% 2.6 4.3 112 97 -4.8 64 -0.4 0.6 1.8</p>																			

LOT	Animal being sold		Sire of Animal/Donor		Dam of animal/ Donor Dam Id		Inbreeding			\$Index			Growth			Fertili			Carcase		
	Line 1: Animal	Line 2: Calf	Animal being sold	Expected calving date	Donor	Joining Sire/Embryo Sire	Dam of calf/ Donor Dam Id	Dam of calf/ Donor Dam Id	AB1	DOM	GRN	GRS	Calv. Dir	Bth Wt	600	MCW	DTC	CWT	P8	RBY	IMF
54	Animal		NURN51			Mushrush Lock'n'Load USA1295148	NURK97	116	109	125	113	-1.7	6.1	112	104	-	66	-2.3	1.6	1.8	
	Calf		17/09/2020			Te Mania Norvel VTMN1589	NURN51	0.02	135	117	127	1.9	4.9	125	108	-	74	-2.0	1.4	2.3	
	Comment		N51 has had her first calf and is now pregnant with her second calf. She is a more traditional style of Angus. She carries a red gene but of course all her progeny by a black bull will be black coated.																		
55	Animal		NURN61			G A R Sure Fire USA17328461	NURL143	154	139	175	143	2.2	5.1	134	125	-6.1	75	-3.5	3.0	2.1	
	Calf		13/09/2020			Te Mania Norvel VTMN1589	NURN61	0.05	154	132	176	3.9	4.4	133	118	-6.3	78	-2.6	2.1	2.4	
	Comment		N61 is a daughter of the high performing American sire, G A R Sure Fire. He has the exceptional combination of yield and marbling that we have been trying to fix in our herd. Te Mania Norvel also has this combination so that the progeny from this mating should have yield and marbling locked into them.																		
56	Animal		NURP93			Te Mania Landlink VTML228	NURL85	134	124	146	129	7.3	3.6	129	107	-3.7	77	-4.1	1.5	2.1	
	Calf		7/09/2020			Murray Kodak NURN70	NURP93	0.05	146	129	165	6.1	3.7	126	116	-6.2	76	-2.6	1.7	2.4	
	Comment		Z49, the mother of L85, had 10 live calves. For the last couple of calves we joined her to Te Mania Emperor. L85 (like L45) was sold as a PTIC breeder. We used L45's first calf (by G A R Sure Fire) in our breeding programme. There is a lot of strength in the female side of this pedigree. In addition P93 has the necessary performance to allow you to breed high performing progeny when you join her to a high performance bull. The mating to N70 shows what can be done.																		
57	Animal		NURP81			Te Mania Landlink VTML228	NURL45	137	127	148	131	4.8	3.5	112	77	-4.9	68	-4.2	2.5	1.7	
	Calf		15/07/2020			Murray Longshot NURP92	NURP81	0.05	150	132	171	8.1	1.9	122	80	-5.9	73	-2.6	0.8	3.1	
	Comment		A very similar story to P93, lot 56 above. The grandmother of this calf, NURZ2, had 11 live calves before going empty as a 13 year old cow. L45, her mother, was sold PTIC as a breeder after two calves. Longevity and fertility are the basic strengths of Angus cattle and this cow has them in her pedigree. The mating to P92 was intended to improve the IMF% EBV. It also improves the growth curve - the relation between birth weight, growth and mature weight which we believe to be important.																		
58	Animal		NURF17 - recip			G A R Twinhearts 8418 USA16350631	NURM17	169	147	196	155	11.1	2.7	144	126	-5.4	86	-3.1	1.8	3.1	
	Calf		17/07/2020			Murray General P4 NURP4	NURP7	0.06	174	149	202	8.1	3.5	140	111	-6.9	82	-2.4	1.8	3.1	
	Comment		P7, the donor for the previous embryos, puts Twinhearts into this pedigree. To the best of our knowledge there is no longer semen available from this bull. We used Murray General P4, our own bull, for the sire of the calf as we know him and his breeding well. His EBVs compliment those coming from Twinhearts.																		
59	Animal		NURH27 - recip			Murray Proceed M204 NURM204	NURK31	148	120	186	130	-13.0	7.1	147	121	-5.9	95	-2.7	0.4	4.5	
	Calf		17/07/2020			Te Mania Nocton VTMN1396	NURP77	0.05	156	128	193	-1.9	6.1	139	129	-7.4	87	-1.3	-0.3	4.3	
	Comment		Murray Proceed M204 is the grand sire of the next four embryos from P77 and P5. We were one of the earliest Australian users of his father, HPCA Proceed. Proceed semen is no longer available. M204's mother, NURJ43, was one of the most attractive cows that we have bred and was sold to The Rock Angus stud. We created these embryos to provide high growth animals with high IMF% EBVs. K31 is by Grando, NUR G20, out of a Tuwharetoa Regent daughter. The joining sire, Te Mania Nocton N1396, is a very high marbling bull that was purchased primarily for his structural soundness and visual appeal.																		
60	Animal		NURJ21 - recip			Murray Proceed M204 NURM204	NURK31	148	120	186	130	-13.0	7.1	147	121	-5.9	95	-2.7	0.4	4.5	
	Calf		17/07/2020			Te Mania Nocton VTMN1396	NURP77	0.05	156	128	193	-1.9	6.1	139	129	-7.4	87	-1.3	-0.3	4.3	
	Comment		The same mating as the previous lot. You would prefer to buy an embryo that proves to have better EBVs than the predicted ones shown here. If you buy both lots there is a better chance of getting the high growth, high IMF animal that you want for your breeding programme.																		
<p>The EBVs in this table are from the TransTasman Angus Cattle Evaluation - Mid February 2020</p>																					
<p>1% 159 136 187 147 5% 148 130 170 138 20% 134 121 149 127 50% 119 112 125 116</p>																					

LOT	Line 1: Animal sold		Animal being		Sire of Animal/Donor		Dam of animal/		Inbreeding		\$Index		Growth		Fertili		Carcase							
	Line 2: Calf	Expected calving date	Donor	Joining Sire/Embryo Sire	Donor Dam Id	Dam of calf/ Donor Dam Id	AB1	DOM	GRN	GRS	Calv. Ease Dir	Bth Wt	600	MCW	DTC	CWT	P8	RBV	IMF					
Line 3:	Comment on dam/donor dam and calf																							
61	Animal	NURH75 - recip	NURP77	Murray Proceed M204	NURM204	NURK31	148	120	186	130	-13.0	7.1	147	121	-5.9	95	-2.7	0.4	4.5					
	Calf	17/07/2020	Murray General P4	NURP4	NURP77	0.06	164	135	197	146	-4.0	5.7	141	109	-7.1	86	-2.2	1.1	3.8					
	Comment	The embryo from P77, by our Murray General P4, should provide a different type of animal from the Nocton matings. P4 will make a significant improvement to yield but reduce IMF%.																						
62	Animal	NURF355 - recip	NURP5	Murray Proceed M204	NURM204	NURL43	167	134	211	145	-2.6	7.6	154	164	-5.9	96	-5.2	2.0	4.0					
	Calf	17/07/2020	Murray Kodak	NURN70	NURP5	0.08	163	134	198	144	1.2	5.7	139	145	-7.3	85	-3.1	2.0	3.4					
	Comment	P5's mother, NURL43, is on offer here as lot 53. P5 has an extremely desirable combination of marbling, yield and growth. Kodak N70 has these traits while moderating birth weight and improving fertility (days to calving).																						
63	Animal	NURL5 - recip	NURJ53	Gardens Wave USA13818764	VTMD113	147	135	163	137	4.3	2.7	110	94	-7.4	72	-1.3	2.4	2.2						
	Calf	9/08/2020	Rennylea Kodak	NORK522	NURJ53	0.05	153	133	177	139	8.3	2.2	112	107	-8.2	69	0.2	0.9	3.1					
	Comment	This and the following two embryos have the same pedigree as the bull Murray Kodak N70 that we have used intensively. N70 is now being progeny tested in cohort 10 of the Angus Sire Benchmarking programme. Murray Wave J53, the dam in this mating, has been a very solid performer in our programme and was sold open to be flushed in another breeding programme. This mating provided us with the opportunity to retain marbling and yield while moderating some of the more extreme birth weight and calving ease problems arising in other parts of our programme.																						
64	Animal	NURL81 - recip	NURJ53	Gardens Wave USA13818764	VTMD113	147	135	163	137	4.3	2.7	110	94	-7.4	72	-1.3	2.4	2.2						
	Calf	9/08/2020	Rennylea Kodak	NORK522	NURJ53	0.05	153	133	177	139	8.3	2.2	112	107	-8.2	69	0.2	0.9	3.1					
	Comment	Murray Kodak N70 has the same breeding as these embryos and has now been used by us for joining as a yearling and a two year old bull. His first calves are attractive well structured animals.																						
65	Animal	NURL131 - recip	NURJ53	Gardens Wave USA13818764	VTMD113	147	135	163	137	4.3	2.7	110	94	-7.4	72	-1.3	2.4	2.2						
	Calf	9/08/2020	Rennylea Kodak	NORK522	NURJ53	0.05	153	133	177	139	8.3	2.2	112	107	-8.2	69	0.2	0.9	3.1					
	Comment	If you think that this mating could be useful in your breeding programme you can be more certain of improving on it if you buy more than one of these three recipients (lots 63 to 65).																						
66	Animal	CXBE40 - recip	NURK51	Murray El Grando	NURG20	NURG102	163	131	200	143	-0.2	5.9	131	121	-9.0	66	-1.6	1.0	4.0					
	Calf	17/07/2020	Clunes Crossing	Dusty QMUM13	NURK51	0.05	175	146	206	157	2.7	5.8	137	114	-8.9	77	-1.7	1.7	3.4					
	Comment	G102, the mother of the donor cow in this mating, K51, is also the mother of lot 4, Murray Lotto N7. G20, that has bred so well for us, is K51's father. Her combination of IMF%, retail beef yield and days to calving EBVs are very exceptional. The father of the embryo, Clunes Crossing Dusty M13, has had the major effect of improving calving ease, yield and carcass weight.																						
67	Animal	NURH119 - recip	NURK51	Murray El Grando	NURG20	NURG102	163	131	200	143	-0.2	5.9	131	121	-9.0	66	-1.6	1.0	4.0					
	Calf	9/08/2020	Clunes Crossing	Dusty QMUM13	NURK51	0.05	175	146	206	157	2.7	5.8	137	114	-8.9	77	-1.7	1.7	3.4					
	Comment	This recipient is pregnant to an embryo from the same flush as lot 66 above.																						
68	Animal	NURL107 - recip	NURK51	Murray El Grando	NURG20	NURG102	163	131	200	143	-0.2	5.9	131	121	-9.0	66	-1.6	1.0	4.0					
	Calf	9/08/2020	Rennylea Kodak	NORK522	NURK51	0.06	161	131	195	142	6.1	3.8	125	120	-9.0	66	0.1	0.2	4.0					
	Comment	The donor cow, NURK51, has the strengths as discussed at Lot 66. The mating to Kodak enhances IMF% and improves birth weight and calving ease.																						
							1%	159	136	187	147													
							5%	148	130	170	138	10%	8.7	2.2	132	122	-7.1	76	1.2	1.6	3.2			
							20%	134	121	149	127	25%	6.1	3.2	122	110	-6.0	70	0.4	1.1	2.5			
							50%	119	112	125	116	50%	2.6	4.3	112	97	-4.8	64	-0.4	0.6	1.8			

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Mid February 2020**

LOT	Animal being sold		Sire of Animal/Donor		Dam of animal/ Donor Dam Id		Inbreeding		\$Index		Growth		Fertiliti		Carcase						
	Line 1: Animal	Line 2: Calf	Animal being sold	Expected calving date	Donor	Joining Sire/Embryo Sire	Dam of calf/ Donor Dam Id	Dam of calf/ Donor Dam Id	ABI	DOM	GRN	GRS	Calv. Ease Dir	Bth Wt	600	MCW	DTC	CWT	P8	RBY	IMF
69	Animal	CXBE63	Bongongo Bulleiproof NGXZ3			CXBB43		110	107	117	103	8.2	3.5	65	23	-8.1	38	0.0	-0.5	3.0	
	Calf	5/09/2020	Murray Kodak NURN70			CXBE63		0.04	134	120	151	123	6.6	3.7	95	74	-8.4	56	-0.5	0.7	2.9
	Comment	We purchased E63 as a pregnant heifer in 2010 from Prime Angus. She has had a chequered career in our herd. Purely on the basis of EBVs we used her as a recipient in 2015. We started to receive structural EBVs on all our animals in 2016 and as a result we reinstated her into the main body of the herd. In 2018 we flushed her. She produced four embryo calves and one natural calf in 2019.																			
70	Animal	NURN57	Rennylea Kodak NORK522			NURL11		131	114	145	123	5.3	4.6	112	115	-5.3	57	1.7	-0.6	2.9	
	Calf	21/08/2020	Murray Kodak NURN70			NURN57		0.16	145	124	165	133	5.1	4.2	112	120	-7.0	66	0.4	0.7	2.8
	Comment	We flushed this heifer as a maiden and in addition she has had a natural calf. She is now pregnant naturally for a second time. Her indices are sufficiently robust that when joined to a high indexing bull the progeny will be well above average.																			
71	Animal	NURN25	V A R Discovery 2240 USA17262835			NURF4		148	125	175	133	9.6	1.9	127	125	-8.1	67	0.0	-0.5	3.2	
	Calf	5/09/2020	Murray Kodak NURN70			NURN25		0.05	153	129	180	138	7.3	2.9	125	125	-8.4	70	-0.5	0.7	3.0
	Comment	F4, a Berkley daughter, was one of the visually most attractive cows we have bred. We flushed her on one occasion and she finally left the herd as a rising nine year old cow. V A R Discovery was the son of AAR Ten X that bred most successfully for us. Calving ease, growth, fertility and carcass strengths are what N25 and her calf will provide for you.																			
72	Animal	NURP103	Te Mania Landlink VTML228			NURM183		133	117	141	129	3.6	4.5	125	99	-5.3	64	0.5	0.5	2.2	
	Calf	31/08/2020	Murray Kodak NURN70			NURP103		0.05	146	125	163	136	4.3	4.2	125	112	-7.0	69	-0.3	1.2	2.5
	Comment	This daughter of Landlink is out of a Pathfinder Genesis daughter. She is a high growth animal with moderate birthweight. She carries a lot of body fat and has come through the dry spell very comfortably.																			
73	Animal	NURN35	Rennylea Kodak NORK522			NURL105		150	130	167	138	12.1	1.5	107	77	-8.5	56	0.2	0.8	2.8	
	Calf	26/08/2020	Te Mania Norvel VTMN1589			NURN35		0.06	152	128	172	140	8.8	2.6	112	94	-7.5	69	-0.8	1.0	2.8
	Comment	A sound proven breeder. She has had one calf and is pregnant by a natural joining for an early second calf. Her father, Rennylea Kodak, has had more than 1,000 progeny and has bred well for us. She should be set for a productive future.																			
74	Animal	NURN37	Rennylea Kodak NORK522			NURL19		146	124	160	137	8.6	3.4	124	114	-7.2	73	1.9	-0.4	2.6	
	Calf	7/08/2020	Murray Longshot NURP92			NURN37		0.05	154	130	177	142	10.0	1.9	127	99	-7.0	75	0.5	-0.7	3.5
	Comment	Another well bred heifer by Rennylea Kodak out of a maiden heifer. She was naturally joined to a bull of our own breeding with high performance, structure and marbling.																			
75	Animal	NURP117	Te Mania Landlink VTML228			NURL5		133	130	138	133	4.7	3.6	126	84	-1.8	75	-3.7	3.0	1.4	
	Calf	5/09/2020	Murray Kodak NURN70			NURP117		0.04	146	132	161	138	4.8	3.7	125	105	-5.3	74	-2.4	2.5	2.1
	Comment	P117 has inherited the exceptional growth curve that came with Te Mania Landlink. Her 600 day growth EBV is in the top 20% of the breed and her mature weight EBV is in the bottom 25% of the breed. The mating to our Kodak N70 preserves this relationship.																			
76	Animal	NURH107	Circle A Incentive USA16005537			NURF11		148	122	174	132	5.1	4.3	109	129	-10.1	48	0.0	0.8	2.7	
	Calf	24/07/2020	Murray General NURP4			NURH107		0.11	164	136	191	147	5.1	4.3	123	113	-9.2	63	-0.9	1.3	2.9
	Comment	By a son of SS Objective out of one of the best Berkley daughters we have bred with calving ease, growth and exceptional days to calving coming from both sides of the pedigree.																			
<p>The EBVs in this table are from the TransTasman Angus Cattle Evaluation - Mid February 2020</p>																					
<p>1% 159 136 187 147 5% 148 130 170 138 20% 134 121 149 127 50% 119 112 125 116</p>																					
<p>10% 8.7 2.2 132 122 -7.1 76 1.2 1.6 3.2 25% 6.1 3.2 122 110 -6.0 70 0.4 1.1 2.5 50% 2.6 4.3 112 97 -4.8 64 -0.4 0.6 1.8</p>																					

LOT	Animal being sold		Sire of Animal/Donor		Dam of animal/		Inbreeding		\$Index		Growth		Fertiliti		Carcase							
	Line 1: Animal	Line 2: Calf	Animal being sold	Expected calving date	Donor	Joining Sire/Embryo Sire	Dam of calf/ Donor Dam Id	Dam of calf/ Donor Dam Id	ABI	DOM	GRN	GRS	Calv. Ease Dir	Bth Wt	600	MCW	DTC	CWT	P8	RBY	IMF	
77	Animal	Calf	NURK47	17/08/2020		Alcoa New Standard 427 USA16063087	NURH115	NURH115	129	117	138	124	6.8	3.8	112	97	-5.2	60	-1.7	0.6	2.2	
		Comment	Both sides of the pedigree go back to Bon View Bando 1407. She has had four early calves in four years, the first two to a natural joining. Joined to a higher performance bull such as P4 the calf should be in the top 20% of the breed on all indices.																			
78	Animal	Calf	NURN31	21/09/2020		Ayrvale General HIOG18	CXBE40	CXBE40	147	129	163	138	3.6	6.0	130	112	-7.3	81	-2.5	1.2	2.0	
		Comment	We bought the mother of this cow, CXBE40, in 2010 and she has to date produced 9 calves and is again pregnant. The father, Ayrvale General, had enough performance to produce this high performing well balanced heifer. She will produce very saleable progeny when suitably mated.																			
79	Animal	Calf	NURP11	24/07/2020		Esslemont General WWEL115	NURK127	NURK127	139	122	159	128	4.2	4.1	111	81	-6.7	58	-1.9	1.5	2.8	
		Comment	K127 had 3 calves in our system and then was sold as a pregnant, registered cow. Esslemont General had a number of attractions for us, an exceptional growth curve and high fertility despite the low fat EBVs. We have intentionally joined P11 to our bull, Murray General P4, that is also by Esslemont General. We wanted to lock in the combination of fertility and leanness with a reasonable level of IMF%.																			
80	Animal	Calf	NURP175	24/07/2020		Esslemont Lotto WWEL3	NURJ43	NURJ43	156	135	184	140	-3.4	4.7	112	94	-6.3	72	1.2	1.2	4.3	
		Comment	Esslemont Lotto is a bull that has been used extensively and has bred very well in a number of herds. J43 is one of the soundest cows we have bred. Ayrvale General appears in both the mother and father's pedigrees. This cow's calf is expected to be a high indexing animal.																			
81	Animal	Calf	NURP21	7/09/2020		Esslemont General WWEL115	NURK41	NURK41	141	123	154	134	12.9	0.8	112	72	-5.2	59	-0.9	0.7	2.6	
		Comment	K41 inherited the best attributes of P A Power Tool, extreme calving ease and very low mature weight. The mating to Longshot adds growth and IMF%. The end product is a high indexing animal that is not extreme in any way.																			
<p><b>The EBVs in this table are from the TransTasman Angus Cattle Evaluation - Mid February 2020</b></p>																						
			1%	159	136	187	147															
			5%	148	130	170	138															
			20%	134	121	149	127						10%	8.7	2.2	132	122	-7.1	76	1.2	1.6	3.2
			50%	119	112	125	116						25%	6.1	3.2	122	110	-6.0	70	0.4	1.1	2.5
													50%	2.6	4.3	112	97	-4.8	64	-0.4	0.6	1.8

# KILBURNIE ANGUS



## 81 Performance Recorded Pregnant Angus Cows, Maiden Heifers & Recipients

For the cows carrying their own calves we show details of the cow. These include the name, ident, two generation pedigree and indices and EBVs with accuracy and percentile value where appropriate. This information was all obtained in a data extract from the Angus Society in late February 2020.

The bar graphs are based on data from the February TACE run and were manipulated by us to create these graphs. The comments are our own.

Note that the information that is provided for recipients (lots 17 – 24 and lots 58 – 68) are estimates of the performance of the embryo calf.

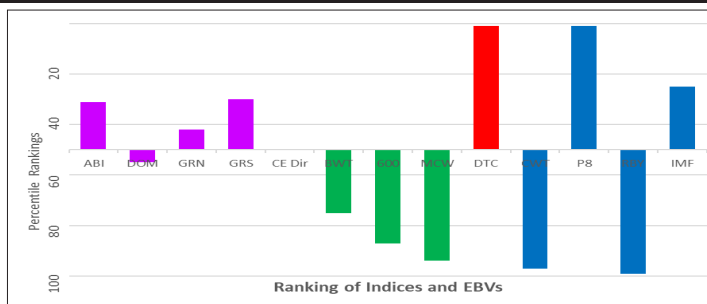
### LOT 1 MURRAY DEEGAN G132<sup>PV</sup> IDENT: NURG132 GRADE: HBR BORN: 30/09/2011

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

BONGONGO BULLETPROOF Z3  
SIRE: TE MANIA DEEGAN D309  
TE MANIA MITTAGONG B112  
ARDROSSAN DIRECTION X3  
DAM: MURRAY Y3 A38  
MURRAY OB45 X30

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$128	+\$109	+\$131	+\$123
Percentile	31	59	42	30

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+2.6	+7.6	-3.7	+5.2	+45	+71	+96	+69	+16
Acc	63%	55%	82%	82%	77%	77%	80%	80%	75%
Percentile	50	9	62	72	69	92	87	94	55
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-9.5	+1.5	+20	+0.19	+46	+4.1	+1.8	+5.8	-1.5	+2.5
54%	66%	69%	58%	70%	67%	72%	70%	67%	67%
1	68	11	52	97	79	5	1	99	25



Traits observed: CE,BWT,200WT(x2),400WT(x2),600WT(x2),MCW(x3),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

Notes: This cow has had eleven calves in seven years and is pregnant again to a natural joining. The father of the calf is a very high marbling son of HPCA Proceed out of the J105 cow that has been such a valuable animal for us.

Purchaser ..... \$ .....

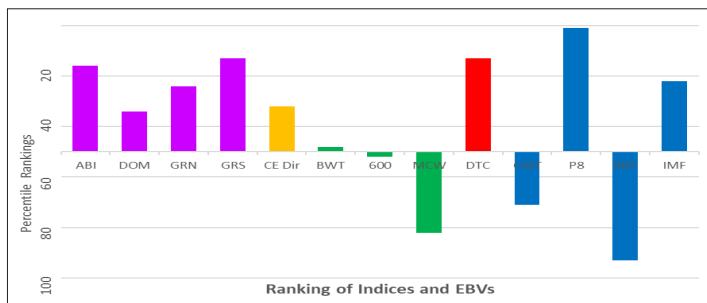
### LOT 2 MURRAY M GRANDO J136 M99<sup>PV</sup> IDENT: NURM99 GRADE: HBR BORN: 8/08/2016

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MURRAY EL GRANDO G20  
SIRE: MURRAY GRANDO J136  
MURRAY PREDESTINED F22  
TE MANIA DEEGAN D309  
DAM: MURRAY DEEGAN G132  
MURRAY Y3 A38

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$137	+\$116	+\$145	+\$131
Percentile	16	34	24	13

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+5.1	+6.6	-6.4	+4.2	+48	+80	+112	+81	+17
Acc	56%	47%	72%	77%	71%	71%	75%	76%	62%
Percentile	31	15	18	48	48	73	52	82	41
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.8	+1.7	+17	+0.14	+59	+6.2	+1.2	+3.1	-0.7	+2.6
45%	60%	60%	56%	66%	62%	67%	64%	64%	62%
13	58	15	45	70	41	12	1	93	22



Traits observed: BWT,200WT(x2),400WT(x2),600WT,MCW,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

Notes: NURJ136 is an exceptional son of Grando that performed very well in cohort 6 of the ASBP. M99's mother, G132, is offered for sale here. Another daughter of G132, N19 by Rennylea Kodak, is also on the sale. A productive family.

Purchaser ..... \$ .....

**LOT 3 MURRAY KODAK N19<sup>PV</sup> IDENT: NURN19 GRADE: HBR BORN: 28/07/2017**

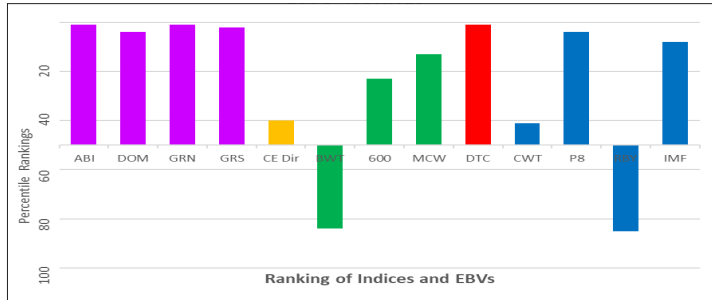
GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA EDMUND E11  
 SIRE: RENNYLEA KODAK K522  
 RENNYLEA EISA ERICA F810  
 TE MANIA DEEGAN D309  
 DAM: MURRAY DEEGAN G132  
 MURRAY Y3 A38

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$160	+\$131	+\$187	+\$144
Percentile	1	4	1	2

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.1	+7.5	-5.7	+5.9	+54	+93	+124	+120	+13
Acc	58%	51%	84%	77%	72%	72%	75%	69%	61%
Percentile	38	10	27	85	18	25	23	13	82

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-10.1	+3.1	+21	+0.48	+66	+5.5	+0.8	+1.9	-0.3	+3.3
45%	65%	60%	58%	67%	64%	68%	65%	66%	64%
1	8	9	86	42	54	19	4	85	8



Traits observed: GL,BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** Another daughter of G132 that has performed so steadily for us. The mating of Kodak to G132 produced the lift in performance that we wanted. We intentionally mated N19 to our very good Kodak son, N70. The resulting calf is expected to have all indices in the top 5% of the breed, with a valuable combination of marbling and meat yield and the outstanding fertility that we have bred into our animals.

Purchaser ..... \$ .....

**LOT 4 MURRAY LOTTO N7<sup>PV</sup> IDENT: NURN7 GRADE: HBR BORN: 26/07/2017**

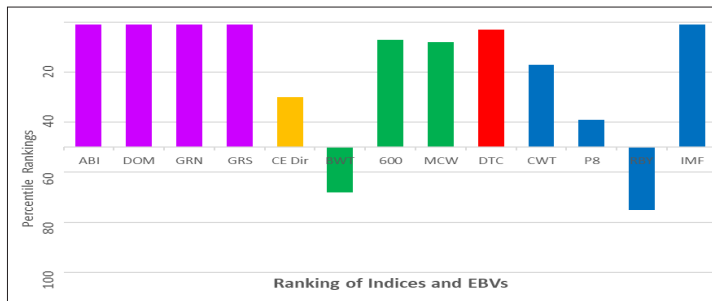
GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

AYRVALE GENERAL G18  
 SIRE: ESSLEMONT LOTTO L3  
 ESSLEMONT JENNY J8  
 S S OBJECTIVE T510 OT26  
 DAM: MURRAY OBJECTIVE G102  
 TE MANIA BARWON D233

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$171	+\$139	+\$208	+\$151
Percentile	1	1	1	1

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+5.3	+3.7	-7.4	+5.0	+61	+103	+136	+127	+20
Acc	61%	54%	84%	76%	72%	72%	75%	69%	61%
Percentile	30	41	10	68	2	7	7	8	21

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.3	+2.7	+15	+0.41	+73	+7.7	-0.6	-0.2	+0.0	+4.4
45%	65%	62%	57%	66%	64%	68%	65%	66%	64%
3	16	20	80	17	18	65	42	75	1



Traits observed: GL,BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** A very high indexing daughter of the popular Esslemont Lotto. She has now passed all the compulsory hoops for a second calf heifer with a good first calf on the ground, an early natural second pregnancy and a positive structural assessment. With an IMF% EBV of 4.4 she has to be a very serious option for any performance breeder. Her mother, NURG102, had six calves for us, including NURK51 that was the donor of the embryos in three of the recipients being offered for sale today.

Purchaser ..... \$ .....

**LOT 5 MURRAY GRANDO J105<sup>SV</sup> IDENT: NURJ105 GRADE: HBR BORN: 6/09/2013**

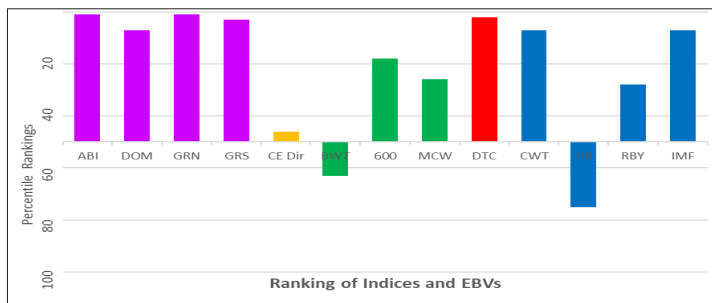
GENETIC STATUS: AMFU,CAFU,DDF,NHFU

HYLINE RIGHT TIME 338  
 SIRE: MURRAY EL GRANDO G20  
 TE MANIA QUEANBEYAN D113  
 TUWHARETOA REGENT D145  
 DAM: MURRAY REGENT G101  
 MURRAY 1407 Z75

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$160	+\$128	+\$190	+\$143
Percentile	1	7	1	2

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.0	+3.4	-5.3	+4.8	+51	+88	+126	+109	+22
Acc	65%	58%	72%	85%	78%	78%	80%	76%	70%
Percentile	47	44	34	63	28	41	18	27	9

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.9	+4.0	+0	+0.55	+78	+8.7	-0.1	-1.3	+1.0	+3.4
55%	73%	73%	59%	70%	67%	71%	69%	68%	66%
2	2	68	91	7	9	46	75	28	7



Traits observed: CE,BWT,200WT(x2),400WT(x2),600WT(x2),DTC,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** J105 has been an important animal in our program. Her father, Murray El Grando G20, and her maternal grandfather, Tuwharetoa Regent B145, were bulls with the combination of IMF% and retail beef yield that we have been trying to lock into our animals. We have flushed her over the last few years and she now has 17 progeny on the ground. Lot 6 is her daughter, which was intentionally mated to NUR Proceed N68.

Purchaser ..... \$ .....

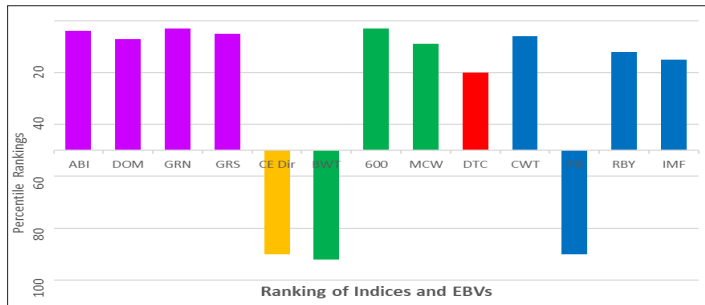
**LOT 6 MURRAY M PROPHET M131<sup>PV</sup> IDENT: NURM131 GRADE: HBR BORN: 12/09/2016**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

G A R PROPHET  
**SIRE: MURRAY PROPHET K76**  
 MURRAY UPSHOT H25  
 MURRAY EL GRANDO G20  
**DAM: MURRAY GRANDO J105**  
 MURRAY REGENT G101

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	<b>+\$151</b>	<b>+\$128</b>	<b>+\$175</b>	<b>+\$138</b>
Percentile	4	7	4	5

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-5.3	+1.4	-1.3	+6.5	+63	+107	+143	+125	+19
Acc	57%	49%	69%	77%	70%	70%	74%	75%	60%
Percentile	91	63	92	92	1	4	3	8	30
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.3	+3.6	+11	+0.26	+80	+7.6	-1.0	-2.1	+1.5	+2.9
42%	62%	57%	49%	62%	57%	64%	61%	59%	57%
20	3	30	62	5	19	77	90	12	15



Traits observed: BWT,200WT(x2),400WT(x2),600WT(x2),MCW,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** A natural daughter of J105 by the best Prophet son that we have bred. Her strengths are the low mature weight and the carcass EBVs. She was intentionally mated to a J105 son (Proceed N68) to lock the qualities of J105 into another generation.

Purchaser ..... \$ .....

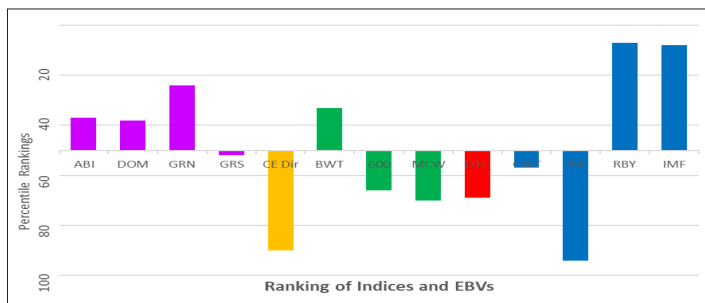
**LOT 7 MURRAY GRANDO N47<sup>PV</sup> IDENT: NURN47 GRADE: HBR BORN: 2/08/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

HYLINE RIGHT TIME 338  
**SIRE: MURRAY EL GRANDO G20**  
 TE MANIA QUEANBEYAN D113  
 S S OBJECTIVE T510 OT26  
**DAM: MURRAY OBJECTIVE G81**  
 LAWSONS GAR NEW DESIGN 1407 A1173

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	<b>+\$126</b>	<b>+\$116</b>	<b>+\$148</b>	<b>+\$116</b>
Percentile	35	34	21	49

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-4.7	-0.3	-3.5	+3.6	+49	+82	+107	+88	+11
Acc	63%	56%	73%	77%	72%	72%	73%	71%	67%
Percentile	89	76	66	33	41	65	66	70	91
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-3.8	+1.6	+6	-0.04	+62	+8.1	-2.8	-2.5	+1.8	+3.4
52%	68%	65%	58%	68%	65%	69%	67%	66%	65%
69	64	48	22	57	14	99	94	7	7



Traits observed: BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** G81, the mother of N47, is a cow that bred very well for us over a number of years. We flushed her successfully and she has a number of daughters (including M17 and M189, lots 11 and 12, that are on sale today). This daughter has combined G81's moderate birth weight with the carcass excellence of G20. N47 has meat yield and IMF% both in the top 10% of the breed and this alone makes her well worth considering. She is naturally pregnant to Te Mania Norvel.

Purchaser ..... \$ .....

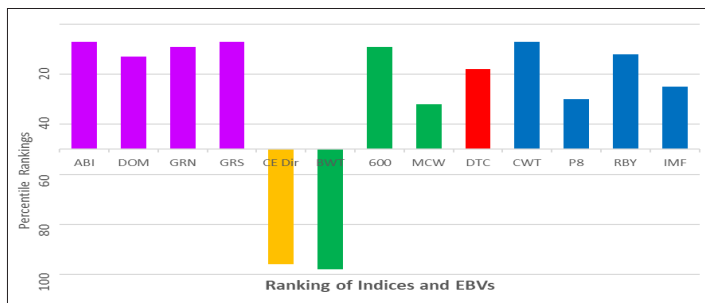
**LOT 8 MURRAY GRANDO P43<sup>PV</sup> IDENT: NURP43 GRADE: HBR BORN: 27/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

HYLINE RIGHT TIME 338  
**SIRE: MURRAY EL GRANDO G20**  
 TE MANIA QUEANBEYAN D113  
 STRATHEWEN RED DAIQUIRI H40 (RED)  
**DAM: MURRAY DAIQUIRI H40 K23**  
 MURRAY DEEGAN H95

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	<b>+\$144</b>	<b>+\$124</b>	<b>+\$161</b>	<b>+\$135</b>
Percentile	8	13	10	8

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-8.4	+1.5	-4.8	+7.4	+59	+101	+133	+107	+15
Acc	58%	52%	85%	74%	69%	69%	70%	69%	63%
Percentile	96	62	42	98	4	9	9	31	62
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.4	+3.5	+6	-0.03	+79	+9.7	-0.3	+0.1	+1.5	+2.5
48%	61%	57%	57%	66%	62%	67%	64%	64%	63%
18	4	46	23	7	5	54	33	12	25



Traits observed: GL,BWT,200WT(x2),400WT,DOC,Genomics

**Notes:** We used G20 to lift the performance of some of our smaller animals. P43 is a good example of this strategy. She has growth and carcass merit. The days to calving EBV suggest above breed average fertility and she became pregnant naturally on the first cycle. Joined to a high performance bull with low birth weight, such as Norvel, we get high performance without excessive birth weight. This is the foundation from which you can breed elite animals.

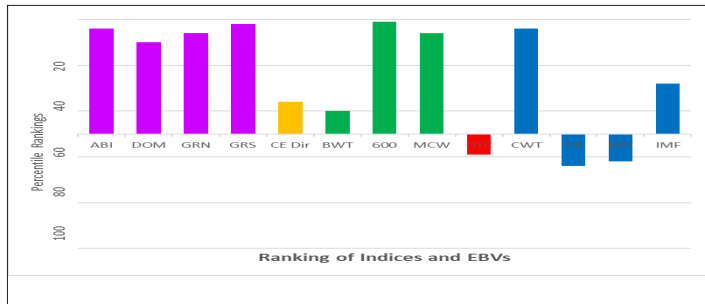
Purchaser ..... \$ .....



GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MURRAY GRANDO J136  
**SIRE: MURRAY M GRANDO J136 M112**  
 MURRAY OBJECTIVE G81  
 PATHFINDER GENESIS G357  
**DAM: MURRAY GENESIS M183**  
 MURRAY DEEGAN G116

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$151	+\$126	+\$168	+\$144
Percentile	4	10	6	2



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.4	+8.5	-7.4	+3.9	+58	+106	+151	+129	+28
Acc	52%	45%	61%	66%	63%	63%	63%	61%	54%
Percentile	36	6	10	40	5	4	1	6	1
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-4.3	+2.6	+11	+0.15	+82	+5.9	+0.0	-0.9	+0.3	+2.4
39%	58%	50%	48%	59%	55%	61%	57%	58%	56%
59	18	31	46	4	47	43	64	62	28

**Notes:** P171 has a pedigree going all the way back to G20 through her father. She has the combination of growth and calving ease that we have always aimed for. Additionally by using a high performance bull, such as our General P4, we expect high index values and a very satisfactory set of EBVs.

Purchaser ..... \$ .....

**Using rankings in this way *might* suggest that we always want the EBV concerned to be higher. I do not think that is true of Mature Cow Weight. There are disagreements about the importance of fat on our cattle.**

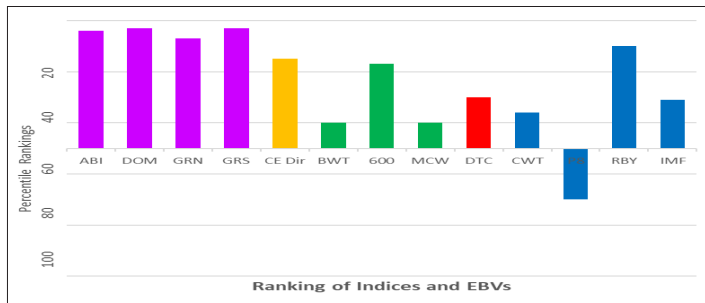
**Further we look for acceptable levels of some traits such as docility and structural EBVs.**

**These graphs allow you to make your own judgements on these issues.**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MURRAY EL GRANDO G20  
**SIRE: MURRAY GRANDO J136**  
 MURRAY PREDESTINED F22  
 S A V THUNDERBIRD 9061  
**DAM: MURRAY THUNDERBIRD K17**  
 MURRAY INCENTIVE H99

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$150	+\$133	+\$167	+\$142
Percentile	4	3	7	3



Traits observed: BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+7.9	+8.7	-9.4	+3.9	+53	+96	+127	+103	+20
Acc	56%	49%	70%	75%	69%	70%	73%	68%	59%
Percentile	14	5	2	40	18	18	17	37	17
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.7	+2.8	-7	+0.16	+68	+6.8	-1.5	-1.1	+1.5	+2.3
45%	62%	57%	55%	65%	62%	66%	64%	64%	61%
30	13	88	47	34	30	89	70	12	31

**Notes:** Another daughter of J136, an attractive well muscled bull that performed very well in Cohort 6 of the ASBP. N65 locks in the sensible birth weight, growth and mature weight of the father together with the desirable combination of meat yield and IMF%. She combines fertility with leanness and the 100 year drought did not stop her getting naturally pregnant in a very ordinary paddock. We are reasonably sure that the cow is pregnant to Te Mania Norvel, there is a possibility that the sire is Murray Proceed N68.

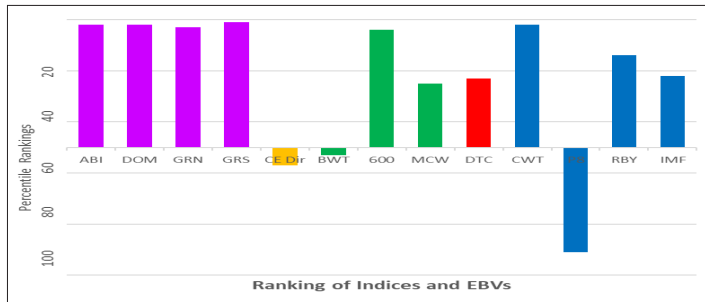
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**LOT 11 MURRAY BARTEL M189<sup>PV</sup> IDENT: NURM189 GRADE: HBR BORN: 17/07/2016**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA BARTEL B219  
 SIRE: AYRVALE BARTEL E7  
 EAGLEHAWK JEDDA B32  
 S S OBJECTIVE T510 OT26  
 DAM: MURRAY OBJECTIVE G81  
 LAWSONS GAR NEW DESIGN 1407 A1173

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$160	+\$137	+\$181	+\$149
Percentile	1	1	2	1



Traits observed: BWT,200WT(x2),400WT(x2),600WT,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+2.1	+5.8	-4.2	+4.4	+59	+106	+142	+110	+24
Acc	68%	63%	71%	78%	74%	74%	76%	73%	70%
Percentile	53	21	53	53	4	4	4	26	4
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.1	+2.3	+15	+0.19	+85	+8.1	-2.6	-2.2	+1.5	+2.6
57%	70%	67%	63%	71%	68%	72%	70%	70%	69%
23	29	20	52	2	14	99	91	12	22

**Notes:** This heifer is a full flush sister to NURM17 below. The mother was an outstanding daughter of SS Objective OT26 from a Lawsons cow by Bon View New Design 1407 that we bought at the Tuwharetoa dispersal in 2010. We knew that the flush to Bartel might produce animals with problems associated with temperament and rear leg structure but that it could also produce calves with an extraordinary combination of calving ease, growth and moderate mature size. Of the ten calves produced from this flush these are the two that have survived. We saw Te Mania Norvel as an appropriate bull to correct these features.

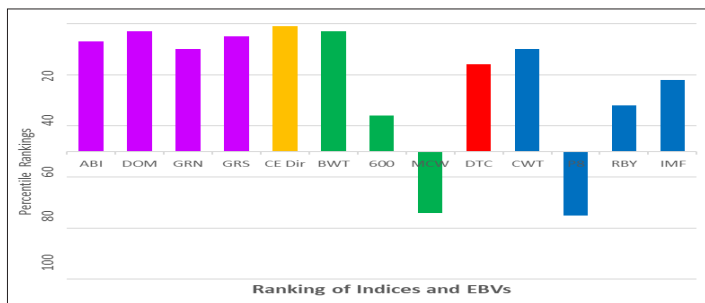
Purchaser ..... \$ .....

**LOT 12 MURRAY BARTEL M17<sup>PV</sup> IDENT: NURM17 GRADE: HBR BORN: 8/07/2016**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA BARTEL B219  
 SIRE: AYRVALE BARTEL E7  
 EAGLEHAWK JEDDA B32  
 S S OBJECTIVE T510 OT26  
 DAM: MURRAY OBJECTIVE G81  
 LAWSONS GAR NEW DESIGN 1407 A1173

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$146	+\$132	+\$159	+\$138
Percentile	7	3	11	5



Traits observed: BWT,200WT(x2),400WT(x2),600WT,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+12.6	+10.5	-5.4	+1.0	+54	+92	+118	+86	+21
Acc	69%	62%	71%	82%	78%	77%	77%	75%	71%
Percentile	1	2	32	3	17	28	36	73	14
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.5	+1.8	-1	+0.37	+76	+8.1	-1.3	-1.2	+0.9	+2.6
57%	72%	72%	62%	72%	69%	72%	70%	69%	68%
17	53	71	76	11	14	85	73	32	22

**Notes:** A proven daughter of Bartel E107, one of the highest usage bulls in Australia. She has all the demonstrated strengths of the father - calving ease, growth and moderate mature size, with marbling as a bonus. She has had 10 progeny in our herd having been flushed very successfully as a maiden heifer. We think that she could make a positive contribution to many herds and saw her as a foundation in our own herd.

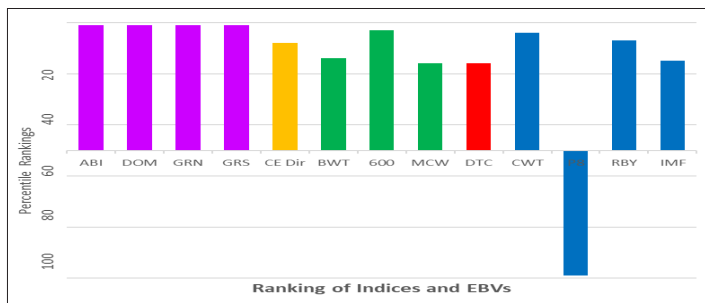
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**LOT 13 MURRAY TWINHEARTS P37<sup>PV</sup> IDENT: NURP37 GRADE: HBR BORN: 25/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

S S OBJECTIVE T510 OT26  
 SIRE: G A R TWINHEARTS 8418  
 G A R YIELD GRADE 2015  
 AYRVALE BARTEL E7  
 DAM: MURRAY BARTEL M17  
 MURRAY OBJECTIVE G81

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$167	+\$141	+\$195	+\$153
Percentile	1	1	1	1



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+9.2	+6.7	-7.3	+2.6	+60	+105	+143	+116	+27
Acc	63%	58%	69%	74%	71%	71%	71%	70%	67%
Percentile	8	15	10	14	3	4	3	18	1
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.6	+1.9	-8	+0.33	+82	+8.0	-2.9	-3.5	+1.8	+3.0
50%	67%	61%	55%	67%	64%	68%	66%	65%	64%
16	48	89	71	4	15	99	99	7	13

**Notes:** P37 is a heifer with the potential to make a positive contribution to any breeding programme. G A R Twinhearts was one of the first animals to come out of the important Gardiner Angus Ranch with the sort of growth and carcass attributes that we in Australia need to meet the requirements of our long fed markets. M17, the mother of this heifer, is a daughter of our G81. Twinhearts and G81 are half sibs, their father is SS Objective T510 OT26. This animal has the performance genetics from North America that we need in our industry. The mating to our P92 continues this emphasis as he has G A R Prophet and Twinhearts in his pedigree.

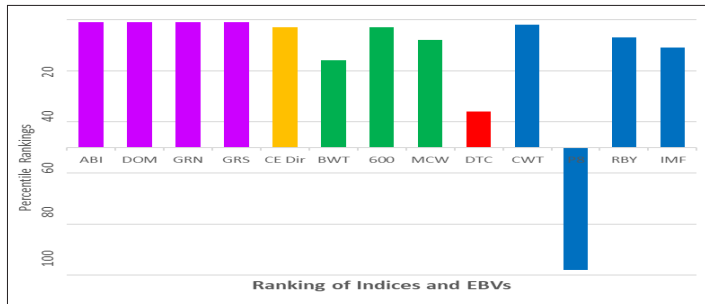
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**LOT 14 MURRAY TWINHEARTS P7<sup>PV</sup> IDENT: NURP7 GRADE: HBR BORN: 21/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

S S OBJECTIVE T510 OT26  
 SIRE: G A R TWINHEARTS 8418  
 G A R YIELD GRADE 2015  
 AYRVALE BARTEL E7  
 DAM: MURRAY BARTEL M17  
 MURRAY OBJECTIVE G81

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$168	+\$146	+\$196	+\$155
Percentile	1	1	1	1



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

Notes: A full flush sister to P37, lot 13 above. We flushed this heifer to G A R Scale House and she produced a large number of embryos - some of which are on sale here.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+11.2	+10.2	-8.4	+2.7	+61	+110	+143	+124	+25
Acc	62%	57%	68%	74%	70%	70%	70%	69%	66%
Percentile	3	2	5	16	2	2	3	9	3

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.3	+1.9	+1	+0.01	+86	+10.0	-3.5	-3.0	+1.8	+3.1
49%	66%	61%	55%	66%	64%	67%	65%	64%	64%
38	48	64	28	2	4	99	97	7	11

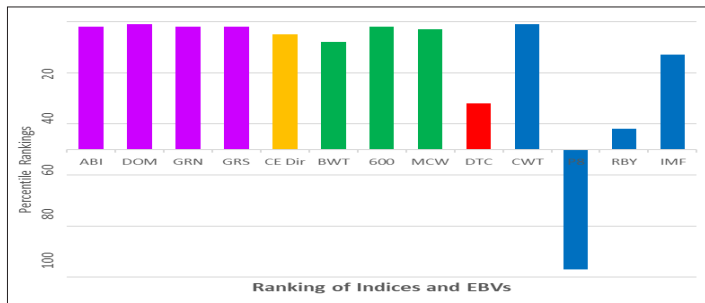
Purchaser ..... \$

**LOT 15 MURRAY TWIN HEARTS P65<sup>PV</sup> IDENT: NURP65 GRADE: HBR BORN: 31/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

S S OBJECTIVE T510 OT26  
 SIRE: G A R TWINHEARTS 8418  
 G A R YIELD GRADE 2015  
 AYRVALE BARTEL E7  
 DAM: MURRAY BARTEL M17  
 MURRAY OBJECTIVE G81

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$159	+\$139	+\$185	+\$147
Percentile	1	1	2	1



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

Notes: A full flush sister to P37 and P7, lots 13 and 14. These are three very high performance heifers.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+10.1	+10.8	-5.5	+2.0	+63	+113	+147	+136	+27
Acc	62%	57%	68%	74%	71%	70%	71%	69%	67%
Percentile	5	1	30	8	2	1	2	4	1

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.6	+1.5	+1	+0.09	+91	+5.3	-2.0	-3.0	+0.8	+3.1
49%	67%	61%	55%	66%	64%	67%	65%	65%	64%
32	68	64	38	1	58	95	97	37	11

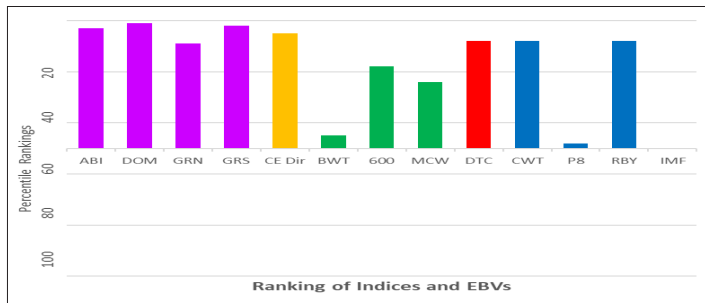
Purchaser ..... \$

**LOT 16 MURRAY M170 P71<sup>PV</sup> IDENT: NURP71 GRADE: HBR BORN: 1/08/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

AYRVALE BARTEL E7  
 SIRE: MURRAY BARTEL M170  
 MURRAY OBJECTIVE G81  
 PATHFINDER GENESIS G357  
 DAM: MURRAY GENESIS M87  
 MURRAY BERKLEY F11

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$152	+\$136	+\$164	+\$144
Percentile	3	2	8	2



Traits observed: CE,BWT,200WT(x2),400WT,DOC,Genomics

Notes: P71 is by a high indexing Bartel E7 son out of our very successful flush of the G81 cow. M87, the mother, is by Pathfinder Genesis. As we would expect she has calving ease, growth and fertility. We believe P4 will improve the carcass EBVs while retaining the other strengths of this sound young cow.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+10.2	+8.1	-8.2	+4.0	+56	+98	+126	+111	+23
Acc	57%	52%	66%	72%	67%	67%	67%	66%	60%
Percentile	5	7	5	43	11	14	19	24	5

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.3	+2.5	+8	+0.32	+77	+9.7	-0.2	-0.4	+1.8	+1.8
45%	61%	54%	53%	63%	59%	64%	61%	62%	60%
8	22	41	70	9	5	50	48	7	50

Purchaser ..... \$

## Lot 17 - 24 Recipients

For the recipient cows the first line of information relates to the recipient cow and provides her society name, ident and so on.

All the other information relates to the embryo calf. The second (highlighted) line identifies the father and mother of the embryo. We then show a two-generation pedigree for this mating and the expected average progeny values of the mating of the parents of the embryo. This information was extracted from the mating predictor in early February 2020.

The bar graph is based on the percentiles as shown by the mating predictor and presented in the table. The comments are our own.

Please note and be aware of the following caveat from the Angus Society concerning estimates of average progeny values.

*Expected average progeny values are provided to assist breeders estimate the outcome of particular mating combinations. The actual TransTasman Angus Cattle Evaluation EBVs for any progeny resulting from a particular mating are likely to vary from the expected average values.*

### LOT 17 MURRAY POWER TOOL K81<sup>PV</sup> IDENT: NURK81 GRADE: RECIP BORN: 26/07/2014

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

#### EMBRYO G A R SCALE HOUSE <sup>PV</sup> X MURRAY TWINHEARTS P7 <sup>PV</sup>

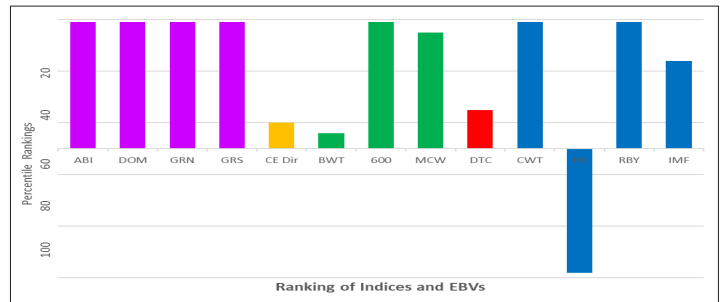
MCC DAYBREAK # G A R TWINHEARTS 8418 SV  
 SIRE: G A R SCALE HOUSE PV DAM: MURRAY TWINHEARTS P7 PV  
 G A R 5050 NEW DESIGN 1039# MURRAY BARTEL M17 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING USA17354047 X NURP7

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	171	150	199	158
Percentile	1	1	1	1

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	3.9	5.5	-5.6	4.1	66	118	151	130	21
Acc	64%	54%	79%	82%	75%	74%	73%	72%	70%
Percentile	40	24	29	44	1	1	1	5	15

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.5	2.1	-	0.01	87	10.7	-2.9	-3.4	2.4	2.9
45%	69%	-	53%	70%	67%	69%	65%	66%	66%
35	42	-	27	1	2	98	98	1	16



**Notes:** Recipient with pregnancy mating of G A R Scale House USA17354047 x NURP7. One flush of P7 to G A R Scale House produced the eight successful pregnancies offered here. The donor P7, lot 14, is by G A R Twinhearts out of lot 12, M17, that in turn is the most successful daughter of a mating of Bartel E7 and our G81 by SS Objective OT26. The father of the embryo, G A R Scale House, has a similarly stacked pedigree with MCC Daybreak and G A R New Design 5050 figuring prominently. The embryo calf has a pedigree full of important performance recorded animals.

Purchaser ..... \$ .....

### LOT 18 MURRAY THUNDERBIRD K15<sup>PV</sup> IDENT: NURK15 GRADE: HBR BORN: 17/07/2014

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

#### EMBRYO G A R SCALE HOUSE <sup>PV</sup> X MURRAY TWINHEARTS P7 <sup>PV</sup>

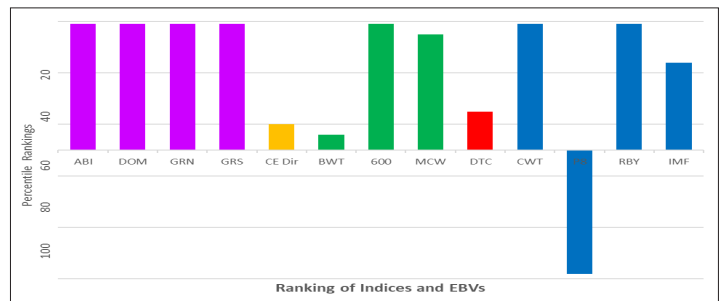
MCC DAYBREAK # G A R TWINHEARTS 8418 SV  
 SIRE: G A R SCALE HOUSE PV DAM: MURRAY TWINHEARTS P7 PV  
 G A R 5050 NEW DESIGN 1039# MURRAY BARTEL M17 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING USA17354047 X NURP7

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	171	150	199	158
Percentile	1	1	1	1

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	3.9	5.5	-5.6	4.1	66	118	151	130	21
Acc	64%	54%	79%	82%	75%	74%	73%	72%	70%
Percentile	40	24	29	44	1	1	1	5	15

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.5	2.1	-	0.01	87	10.7	-2.9	-3.4	2.4	2.9
45%	69%	-	53%	70%	67%	69%	65%	66%	66%
35	42	-	27	1	2	98	98	1	16



**Notes:** Recipient with pregnancy mating of G A R Scale House USA17354047 x NURP7. Her calf is potentially one of the best animals we have bred. It took years of planning and careful execution. You will possibly get one more opportunity to buy a calf from this mating.

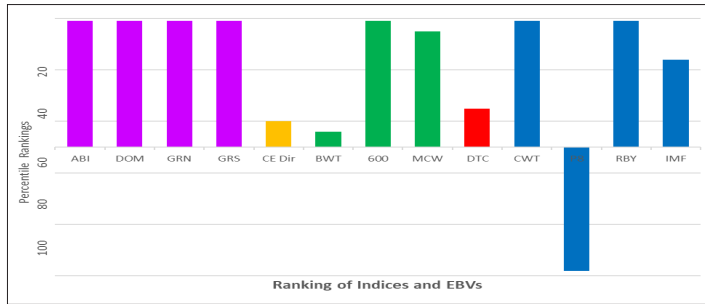
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**EMBRYO G A R SCALE HOUSE<sup>PV</sup> X MURRAY TWINHEARTS P7<sup>PV</sup>**

MCC DAYBREAK # G A R TWINHEARTS 8418 SV  
 SIRE: G A R SCALE HOUSE PV DAM: MURRAY TWINHEARTS P7 PV  
 G A R 5050 NEW DESIGN 1039# MURRAY BARTEL M17 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING USA17354047 X NURP7

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	171	150	199	158
Percentile	1	1	1	1



**Notes:** Recipient with pregnancy mating of G A R Scale House USA17354047 x NURP7. Check the comments on lots 17 and 18. They are products of the same flush and could prove to be exceptional animals.

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	3.9	5.5	-5.6	4.1	66	118	151	130	21
Acc	64%	54%	79%	82%	75%	74%	73%	72%	70%
Percentile	40	24	29	44	1	1	1	5	15

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.5	2.1	-	0.01	87	10.7	-2.9	-3.4	2.4	2.9
45%	69%	-	53%	70%	67%	69%	65%	66%	66%
35	42	-	27	1	2	98	98	1	16

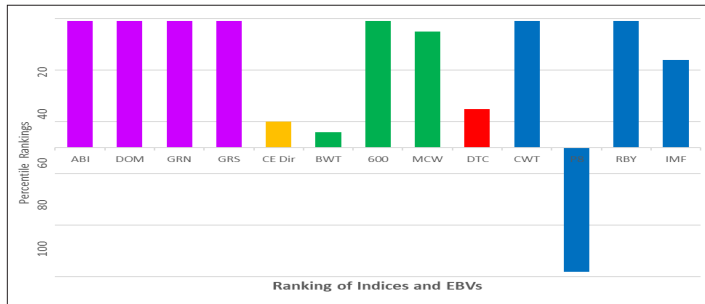
Purchaser ..... \$ .....

**EMBRYO G A R SCALE HOUSE<sup>PV</sup> X MURRAY TWINHEARTS P7<sup>PV</sup>**

MCC DAYBREAK # G A R TWINHEARTS 8418 SV  
 SIRE: G A R SCALE HOUSE PV DAM: MURRAY TWINHEARTS P7 PV  
 G A R 5050 NEW DESIGN 1039# MURRAY BARTEL M17 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING USA17354047 X NURP7

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	171	150	199	158
Percentile	1	1	1	1



**Notes:** Recipient with pregnancy mating of G A R Scale House USA17354047 x NURP7. Check the comments on the three preceding lots, products of the same flush, and all potentially exceptional animals.

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	3.9	5.5	-5.6	4.1	66	118	151	130	21
Acc	64%	54%	79%	82%	75%	74%	73%	72%	70%
Percentile	40	24	29	44	1	1	1	5	15

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.5	2.1	-	0.01	87	10.7	-2.9	-3.4	2.4	2.9
45%	69%	-	53%	70%	67%	69%	65%	66%	66%
35	42	-	27	1	2	98	98	1	16

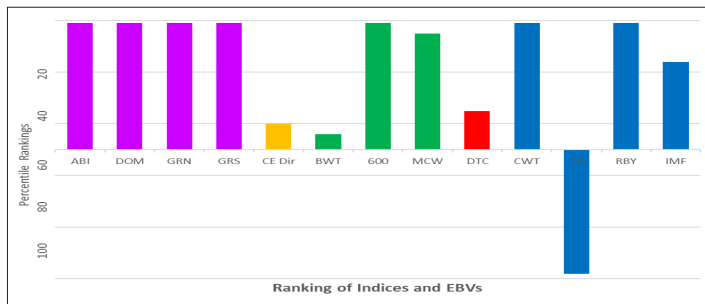
Purchaser ..... \$ .....

**EMBRYO G A R SCALE HOUSE<sup>PV</sup> X MURRAY TWINHEARTS P7<sup>PV</sup>**

MCC DAYBREAK # G A R TWINHEARTS 8418 SV  
 SIRE: G A R SCALE HOUSE PV DAM: MURRAY TWINHEARTS P7 PV  
 G A R 5050 NEW DESIGN 1039# MURRAY BARTEL M17 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING USA17354047 X NURP7

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	171	150	199	158
Percentile	1	1	1	1



**Notes:** Recipient with pregnancy mating of G A R Scale House USA17354047 x NURP7. We have four more pregnancies from the flush of P7 and G A R Scale House.

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	3.9	5.5	-5.6	4.1	66	118	151	130	21
Acc	64%	54%	79%	82%	75%	74%	73%	72%	70%
Percentile	40	24	29	44	1	1	1	5	15

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.5	2.1	-	0.01	87	10.7	-2.9	-3.4	2.4	2.9
45%	69%	-	53%	70%	67%	69%	65%	66%	66%
35	42	-	27	1	2	98	98	1	16

Purchaser ..... \$ .....

**LOT 22 MURRAY BERKLEY F273# IDENT: NURF273 GRADE: RECIP BORN: 24/07/2010**

GENETIC STATUS: AMFU,CAFU,DDF,NHF

**EMBRYO G A R SCALE HOUSE PV X MURRAY TWINHEARTS P7 PV**

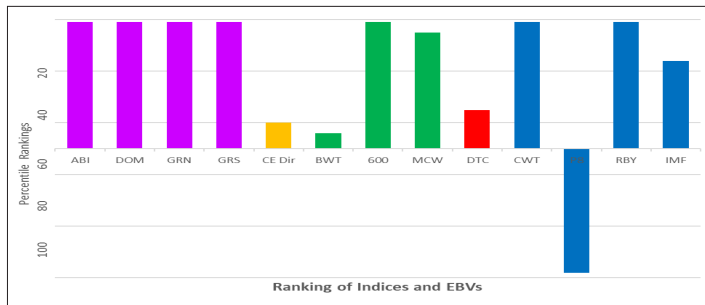
MCC DAYBREAK # G A R TWINHEARTS 8418 SV  
 SIRE: G A R SCALE HOUSE PV DAM: MURRAY TWINHEARTS P7 PV  
 G A R 5050 NEW DESIGN 1039# MURRAY BARTEL M17 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING USA17354047 X NURP7

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	171	150	199	158
Percentile	1	1	1	1

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	3.9	5.5	-5.6	4.1	66	118	151	130	21
Acc	64%	54%	79%	82%	75%	74%	73%	72%	70%
Percentile	40	24	29	44	1	1	1	5	15

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBV	IMF
-5.5	2.1	-	0.01	87	10.7	-2.9	-3.4	2.4	2.9
45%	69%	-	53%	70%	67%	69%	65%	66%	66%
35	42	-	27	1	2	98	98	1	16



**Notes:** Recipient with pregnancy mating of G A R Scale House USA17354047 x NURP7. Statistics 101: The expected values for all four indices of this embryo are in the higher end of the top 1% of the breed. Calving ease is in the top 30% of the breed. 600 day weight, days to calving, carcass weight and meat retail beef yield are ALL in the top 2% of the breed. If you buy one embryo you have a 50% chance that it will be better than the expected values shown and a 50% chance that it will be worse. If you buy more than one embryo you increase the chance of breeding a calf with better performance than the expected indices and EBVs.

Purchaser ..... \$ .....

**LOT 23 MURRAY B77 F297SV IDENT: NURF297 GRADE: RECIP BORN: 26/07/2010**

GENETIC STATUS: AMFU,CAFU,DDF,NHFU

**EMBRYO G A R SCALE HOUSE PV X MURRAY TWINHEARTS P7 PV**

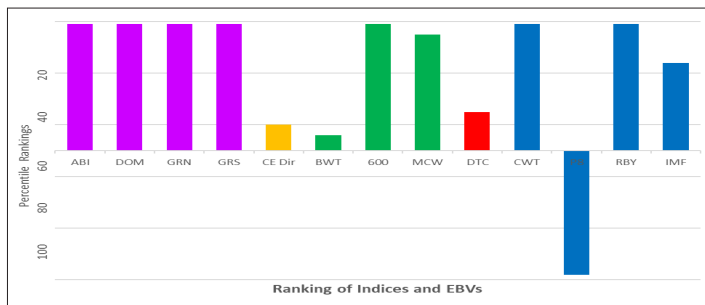
MCC DAYBREAK # G A R TWINHEARTS 8418 SV  
 SIRE: G A R SCALE HOUSE PV DAM: MURRAY TWINHEARTS P7 PV  
 G A R 5050 NEW DESIGN 1039# MURRAY BARTEL M17 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING USA17354047 X NURP7

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	171	150	199	158
Percentile	1	1	1	1

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	3.9	5.5	-5.6	4.1	66	118	151	130	21
Acc	64%	54%	79%	82%	75%	74%	73%	72%	70%
Percentile	40	24	29	44	1	1	1	5	15

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBV	IMF
-5.5	2.1	-	0.01	87	10.7	-2.9	-3.4	2.4	2.9
45%	69%	-	53%	70%	67%	69%	65%	66%	66%
35	42	-	27	1	2	98	98	1	16



**Notes:** Recipient with pregnancy mating of G A R Scale House USA17354047 x NURP7. Another embryo pregnancy from the successful flush of P7. This is a cross of G A R Scale House and G A R Twinhearts. These are two bulls from the Gardiner's performance focused breeding programme that has been in existence for the last eighty years. Their EBVs suit Australian market requirements. We are proud to be able to offer you access to these animals.

Purchaser ..... \$ .....

**LOT 24 PRIME XOTIC E26# IDENT: CXBE26 GRADE: RECIP BORN: 27/02/2009**

GENETIC STATUS: AMFU,CAFU,DDF,NHFU

**EMBRYO G A R SCALE HOUSE PV X MURRAY TWINHEARTS P7 PV**

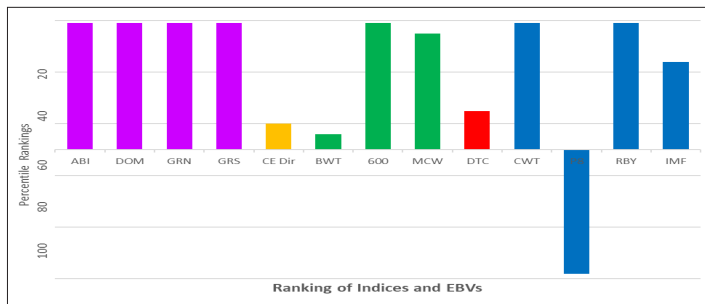
MCC DAYBREAK # G A R TWINHEARTS 8418 SV  
 SIRE: G A R SCALE HOUSE PV DAM: MURRAY TWINHEARTS P7 PV  
 G A R 5050 NEW DESIGN 1039# MURRAY BARTEL M17 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING USA17354047 X NURP7

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	171	150	199	158
Percentile	1	1	1	1

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	3.9	5.5	-5.6	4.1	66	118	151	130	21
Acc	64%	54%	79%	82%	75%	74%	73%	72%	70%
Percentile	40	24	29	44	1	1	1	5	15

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBV	IMF
-5.5	2.1	-	0.01	87	10.7	-2.9	-3.4	2.4	2.9
45%	69%	-	53%	70%	67%	69%	65%	66%	66%
35	42	-	27	1	2	98	98	1	16



**Notes:** Recipient with pregnancy mating of G A R Scale House USA17354047 x NURP7. This is your last chance to buy into this mating.

Purchaser ..... \$ .....

**LOT 25 TUWHARETOA E105<sup>SV</sup> IDENT: BNAE105 GRADE: HBR BORN: 18/08/2009**

GENETIC STATUS: AMFU,CAFU,DDF,NHFU

ROCKN D AMBUSH 1531

SIRE: B/R AMBUSH 28

B/R RUBY OF TIFFANY 8250

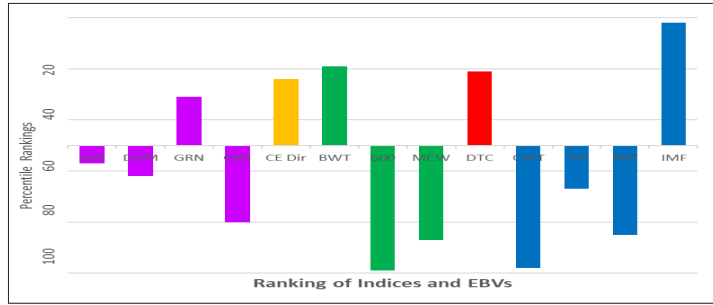
B/R NEW DESIGN 036

DAM: TUWHARETOA A52

TUWHARETOA X59

**SELECTION INDEXES**

Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$115	+\$108	+\$139	+\$102
Percentile	59	62	31	81



Traits observed: BWT,200WT,400WT,MCW(x3),DTC,Scan(EMA,Rib,Rump,IMF),Genomics

**Notes:** We purchased this cow at the Tuwharetoa dispersal. She has now had nine natural calves and two embryo calves. Her most recent calf (by Rennylea H708) has a marbling EBV of 4.9. If we were retaining this cow we would repeat that mating. SHE IS THE ONLY COW ON THE SALE THAT IS NOT EU TRANSFERABLE.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+5.7	+7.4	-8.1	+3.0	+36	+63	+78	+78	+8
Acc	67%	62%	81%	83%	78%	77%	78%	78%	76%
Percentile	27	11	6	21	96	99	99	86	98

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.3	+0.6	-12	+0.28	+44	+4.2	+0.2	-0.9	-0.4	+4.0
58%	73%	69%	60%	71%	68%	71%	69%	68%	67%
20	95	94	65	98	78	36	64	88	2

Purchaser ..... \$ .....

**LOT 26 MURRAY HUSSAR N63<sup>PV</sup> IDENT: NURN63 GRADE: HBR BORN: 12/08/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA EMPEROR E343

SIRE: MURDEDUKE HUSSAR H211

MURDEDUKE E175

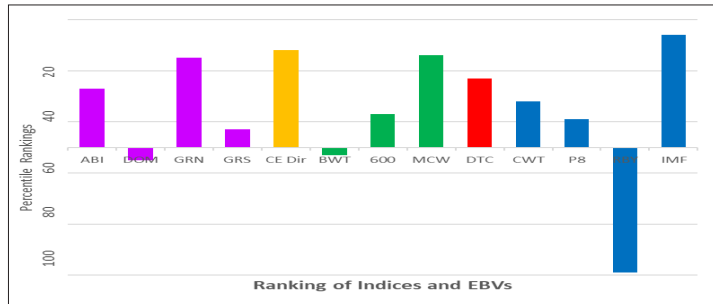
B/R AMBUSH 28

DAM: TUWHARETOA E105

TUWHARETOA A52

**SELECTION INDEXES**

Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$130	+\$111	+\$155	+\$118
Percentile	27	52	14	44



Traits observed: BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** NURN63 is a daughter of BNAE105, a rising 11 year old, pregnant cow still in good working order and never having missed a calf. N63 should become a productive breeding cow capable of producing quality calves when joined to a high performing bull.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+8.5	+6.3	-9.5	+4.4	+45	+86	+117	+118	+13
Acc	57%	52%	69%	76%	70%	71%	72%	68%	63%
Percentile	11	18	2	53	68	52	38	14	79

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.2	+3.2	+6	+0.23	+68	+1.4	+2.3	+0.0	-1.4	+3.5
47%	64%	59%	57%	66%	63%	68%	64%	65%	63%
21	6	46	58	33	99	3	36	99	6

Purchaser ..... \$ .....

**LOT 27 MURRAY POWER TOOL K59<sup>PV</sup> IDENT: NURK59 GRADE: HBR BORN: 22/07/2014**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

G A R PREDESTINED

SIRE: PA POWER TOOL 9108

SHAMROCKS BEEBEE QUEEN 3095

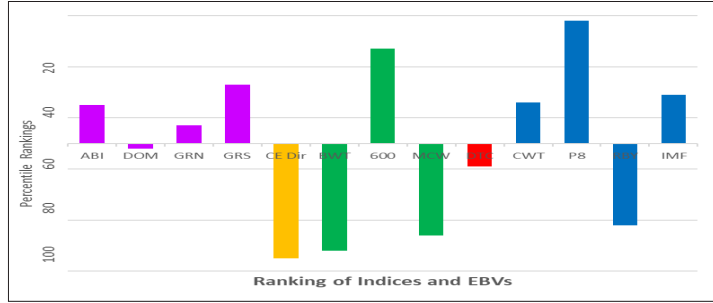
TE MANIA DEEGAN D309

DAM: MURRAY DEEGAN H57

PRIME IRIS E4

**SELECTION INDEXES**

Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$124	+\$110	+\$128	+\$123
Percentile	39	55	46	30



Traits observed: BWT,200WT(x2),400WT,600WT,MCW(x3),DTC(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** K59 is a daughter of P A Power Tool that bred very well for us. She has had four calves, including two male calves that were sold at our annual bull sales. The calf that she is bearing should be a very useful animal.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-7.5	-5.3	-3.1	+6.6	+56	+98	+130	+79	+21
Acc	64%	56%	75%	79%	74%	74%	77%	78%	69%
Percentile	95	96	72	93	11	13	12	85	14

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-4.3	+2.6	+7	+0.42	+68	+7.0	+0.8	+2.3	-0.2	+2.3
54%	69%	66%	56%	68%	65%	69%	67%	66%	65%
59	18	45	81	32	27	19	3	82	31

Purchaser ..... \$ .....

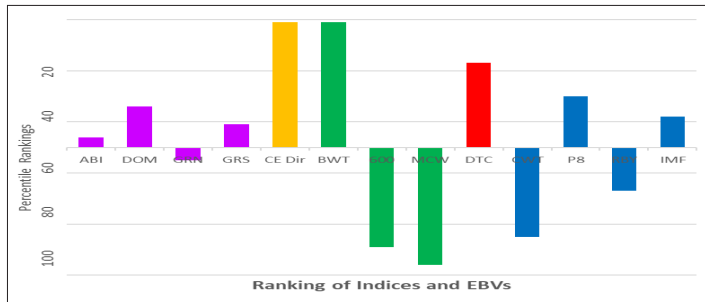
**LOT 28 MURRAY M POWER TOOL M77<sup>PV</sup>**

**IDENT: NURM77 GRADE: HBR BORN: 24/07/2016**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

PA POWER TOOL 9108  
 SIRE: MURRAY POWER TOOL K22  
 MURRAY OBJECTIVE G81  
 ALCOA NEW STANDARD 427  
 DAM: MURRAY NEW STANDARD K49  
 PRIME JAPARA E63

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	<b>+\$122</b>	<b>+\$116</b>	<b>+\$122</b>	<b>+\$119</b>
Percentile	44	34	55	41



Traits observed: CE,BWT,200WT(x2),400WT,600WT,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	<b>+13.3</b>	<b>+8.6</b>	<b>-4.3</b>	<b>-0.8</b>	<b>+44</b>	<b>+76</b>	<b>+95</b>	<b>+65</b>	<b>+20</b>
Acc	55%	46%	70%	76%	70%	69%	72%	67%	60%
Percentile	1	5	51	1	71	85	88	96	17
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
<b>-6.5</b>	<b>+0.7</b>	<b>+31</b>	<b>+0.37</b>	<b>+54</b>	<b>+8.4</b>	<b>+0.8</b>	<b>+0.3</b>	<b>+0.2</b>	<b>+2.1</b>
41%	58%	55%	46%	61%	56%	63%	60%	58%	56%
17	93	2	76	85	11	19	27	67	38

**Notes:** M77 is a very special heifer for us. Her Indices did not initially qualify her for inclusion in our breeding program but once we had structural EBVs we promoted her. We have joined her to G A R Phoenix (that, like most American and Australian bulls, does not have structural EBVs) in the hope that the resulting calf would have better than average performance and structural soundness. Her father, Murray Power Tool K22, was the first bull that we selected primarily to improve structural EBVs. He does not have performance but we were trading performance for measured structure.

Purchaser ..... \$ .....

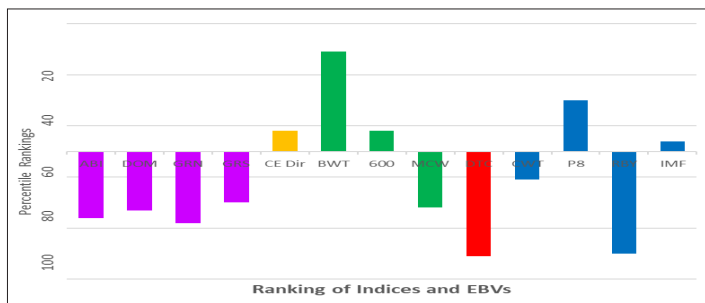
**LOT 29 MURRAY M POWER TOOL M65<sup>PV</sup>**

**IDENT: NURM65 GRADE: HBR BORN: 21/07/2016**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

PA POWER TOOL 9108  
 SIRE: MURRAY POWER TOOL K22  
 MURRAY OBJECTIVE G81  
 MURRAY UPSHOT H46  
 DAM: MURRAY H46 K33  
 MURRAY SANDY Z25

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	<b>+\$106</b>	<b>+\$104</b>	<b>+\$104</b>	<b>+\$109</b>
Percentile	75	73	77	68



Traits observed: CE,BWT,200WT(x2),400WT(x2),600WT,MCW,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	<b>+3.7</b>	<b>-0.4</b>	<b>-3.4</b>	<b>+2.2</b>	<b>+49</b>	<b>+87</b>	<b>+116</b>	<b>+87</b>	<b>+19</b>
Acc	57%	49%	74%	75%	70%	70%	74%	75%	61%
Percentile	41	77	67	10	45	46	42	71	24
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
<b>-2.1</b>	<b>+0.2</b>	<b>+28</b>	<b>+0.09</b>	<b>+61</b>	<b>+3.0</b>	<b>+0.0</b>	<b>+0.3</b>	<b>-0.5</b>	<b>+1.9</b>
43%	61%	56%	47%	62%	57%	64%	61%	59%	57%
91	98	3	38	62	92	43	27	90	46

**Notes:** NURM65 does not meet our normal criteria for index values but was retained in the herd because she has an exceptional set of structural EBVs. Her father, NURK22, a son of P A Power Tool, was an outstanding example of the best features of these more traditional Angus. He is currently being progeny tested in cohort 8 of the ASBP. We are pleased to note that his calves have the lowest average birthweight in the cohort. The mating to Rennyale H708 is an attempt to improve growth rate and carcass quality in this line.

Purchaser ..... \$ .....

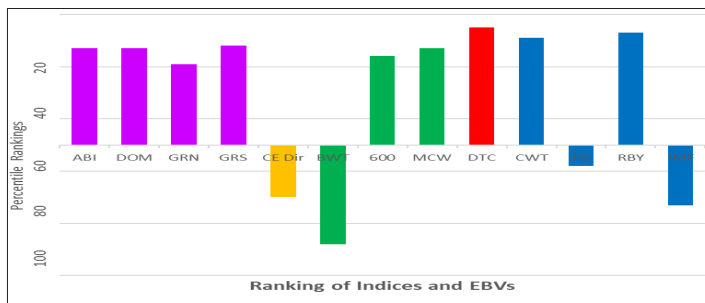
**LOT 30 MURRAY K118 N87<sup>PV</sup>**

**IDENT: NURN87 GRADE: HBR BORN: 24/08/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MURRAY AMBUSH 28 G24  
 SIRE: MURRAY G24 K118  
 MURRAY BERKLEY F7  
 MURRAY UPSHOT H20  
 DAM: MURRAY H20 K121  
 MURRAY DIPLOMAT H75

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	<b>+\$139</b>	<b>+\$124</b>	<b>+\$149</b>	<b>+\$132</b>
Percentile	13	13	20	12



Traits observed: BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	<b>-0.5</b>	<b>+1.9</b>	<b>-11.3</b>	<b>+6.1</b>	<b>+56</b>	<b>+96</b>	<b>+128</b>	<b>+120</b>	<b>+12</b>
Acc	54%	47%	67%	74%	67%	68%	72%	67%	56%
Percentile	70	59	1	88	10	17	16	13	85
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
<b>-7.7</b>	<b>+2.9</b>	<b>+4</b>	<b>-0.17</b>	<b>+77</b>	<b>+4.7</b>	<b>-1.5</b>	<b>-0.7</b>	<b>+1.8</b>	<b>+1.3</b>
41%	57%	50%	45%	59%	55%	63%	60%	57%	55%
6	11	56	11	9	69	89	58	7	73

**Notes:** This young cow has values in the top 20% of the breed for all four indices. She has a good spread of traits and will produce good saleable progeny when joined to a bull like Norvel. K118 was one of the first bulls we chose to use when we sacrificed pure performance for improved structural EBVs. The secret now is to find the high performance bulls to continue this progress. We are reasonably sure that the cow is pregnant to Te Mania Norvel but there is a possibility that the sire is Murray Proceed N68.

Purchaser ..... \$ .....

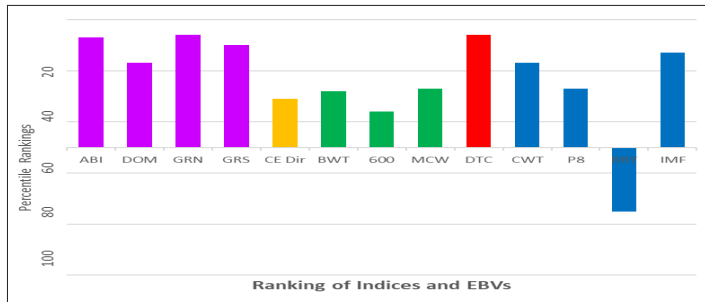


**LOT 31 MURRAY K118 N85<sup>PV</sup> IDENT: NURN85 GRADE: HBR BORN: 24/08/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MURRAY AMBUSH 28 G24  
 SIRE: MURRAY G24 K118  
 MURRAY BERKLEY F7  
 TUWHARETOA REGENT D145  
 DAM: MURRAY REGENT K31  
 MURRAY TWINHEARTS H87

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$145	+\$122	+\$168	+\$133
Percentile	7	17	6	10



Traits observed: BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** A daughter of the donor cow NURK31 with a proven fertility record and now naturally pregnant to our Kodak N70. This cow is set up to be the mother of high performance progeny for the rest of her productive life.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.8	+8.0	-6.8	+3.5	+46	+86	+118	+109	+18
Acc	55%	49%	67%	74%	67%	68%	71%	66%	56%
Percentile	34	8	14	31	61	50	36	27	37
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.7	+2.3	+5	+0.83	+73	+5.0	+0.9	+0.3	+0.0	+3.0
43%	58%	53%	47%	60%	56%	61%	60%	59%	57%
6	29	50	99	16	64	17	27	75	13

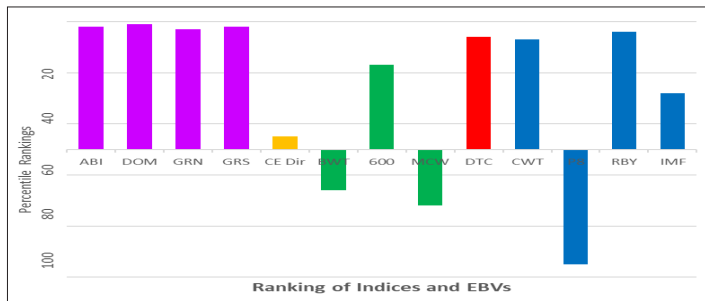
Purchaser ..... \$ .....

**LOT 32 MURRAY M EMPEROR N73<sup>PV</sup> IDENT: NURN73 GRADE: HBR BORN: 18/08/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA EMPEROR E343  
 SIRE: MURRAY EMPEROR L52  
 MURRAY BLACK LABEL G49  
 WAITARA PIO FEDERAL F73  
 DAM: MURRAY FEDERAL L39  
 MURRAY GRANDO J105

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$156	+\$137	+\$176	+\$145
Percentile	2	1	3	2



Traits observed: CE,BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.2	+4.1	-4.0	+4.9	+56	+96	+127	+87	+21
Acc	59%	50%	69%	75%	69%	70%	72%	67%	57%
Percentile	45	37	56	66	11	18	16	72	12
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.6	+4.2	+8	+0.69	+79	+8.8	-0.6	-2.6	+2.1	+2.4
42%	60%	54%	51%	62%	57%	64%	61%	59%	58%
6	1	39	97	6	9	65	95	4	28

**Notes:** With a Kilburnie bred father and mother, and with Emperor and Waitara Pio in the pedigree, we fully expect that there will be sensible performance and fertility in this animal. Her calf last year was Q001, the first to arrive, and her calf this year will be an early one. Combined with a very good set of carcase EBVs we expect that this young cow could make a positive contribution in many herds in the future.

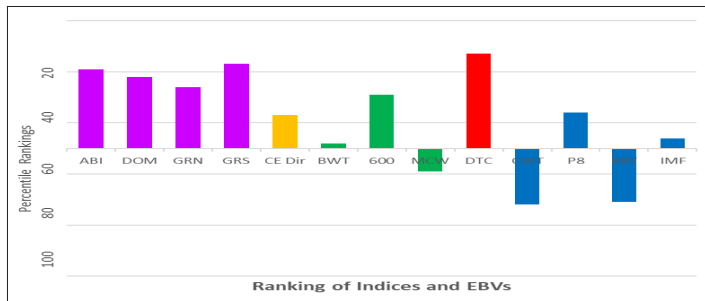
Purchaser ..... \$ .....

**LOT 33 MURRAY L52 P63<sup>PV</sup> IDENT: NURP63 GRADE: HBR BORN: 30/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA EMPEROR E343  
 SIRE: MURRAY EMPEROR L52  
 MURRAY BLACK LABEL G49  
 MURRAY THUNDERBIRD K30  
 DAM: MURRAY M THUNDERBIRD M107  
 MURRAY NEW STANDARD K53

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$134	+\$120	+\$142	+\$129
Percentile	20	22	27	16



Traits observed: GL,CE,BWT,200WT(x2),400WT,DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.3	+4.9	-2.8	+4.2	+51	+91	+121	+93	+16
Acc	56%	47%	84%	73%	66%	67%	67%	65%	55%
Percentile	37	29	76	48	33	31	29	60	58
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.8	+1.5	+19	+0.10	+59	+4.0	+0.6	+0.0	+0.1	+1.9
39%	58%	51%	46%	59%	55%	61%	57%	57%	55%
13	68	13	39	72	81	24	36	71	46

**Notes:** Again we have a heifer with the potential to become a quiet achiever in your herd. Indices in the top 20% of the breed, with a satisfactory combination of calving ease, growth and low mature weight. Mated to a very high performance bull such as P92 she will produce calves with the all round superior performance that commercial producers need.

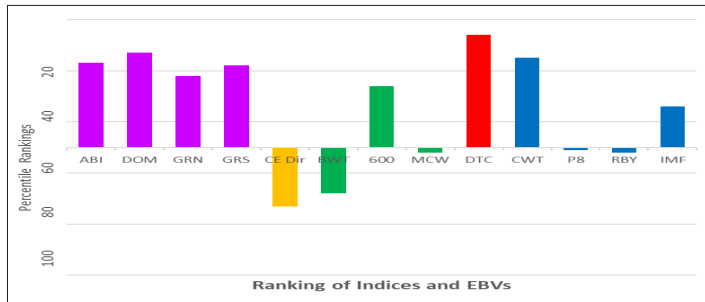
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**LOT 34 MURRAY M THUNDERBIRD M127<sup>PV</sup> IDENT: NURM127 GRADE: HBR BORN: 5/09/2016**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

S A V THUNDERBIRD 9061  
**SIRE: MURRAY THUNDERBIRD K30**  
 MURRAY INCENTIVE H117  
 EXAR EXPAND 1241  
**DAM: MURRAY EXPAND K45**  
 MURRAY UPSHOT H37

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$136	+\$124	+\$147	+\$129
Percentile	17	13	22	16



Traits observed: CE,BWT,200WT(x2),400WT(x2),600WT(x2),MCW,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** M127 is a young cow of demonstrated fertility with enough performance to be able to breed saleable registered cattle. She should have a secure place in a bull breeding operation.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-1.3	+1.6	-2.3	+5.0	+57	+98	+123	+96	+14
Acc	58%	49%	72%	73%	69%	70%	73%	74%	61%
Percentile	75	61	83	68	7	12	25	52	71
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.6	+2.5	-22	-0.05	+74	+5.2	+0.2	-0.5	+0.5	+2.2
43%	63%	58%	48%	62%	58%	64%	62%	59%	57%
6	22	99	21	14	60	36	51	52	34

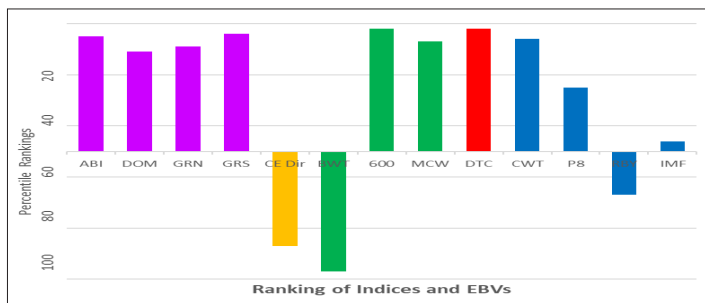
Purchaser ..... \$ .....

**LOT 35 MURRAY LEADING EDGE P107<sup>PV</sup> IDENT: NURP107 GRADE: HBR BORN: 23/08/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

G A R PROPHET  
**SIRE: TOPBOS LEADING EDGE L292**  
 STRATHEWEN BERKLY BLACKBIRD F04  
 EXAR EXPAND 1241  
**DAM: MURRAY EXPAND K85**  
 MURRAY DEEGAN H91

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$147	+\$124	+\$161	+\$138
Percentile	6	13	10	5



Traits observed: GL,BWT,200WT(x2),400WT,DOC,Genomics

**Notes:** P107 was potentially an important animal in our programme with an unusual pedigree. Her mother, K85, is by EXAR Expand. He still has one of the best EBVs for days to calving (with a remarkably high accuracy) and we used him primarily for that reason. Leading Edge is a high indexing, big lean son of Prophet also with a short days to calving EBV. P107 is a high growth rate, large Angus cow but with a days to calving EBV in the top 2% of the breed. If you want big fertile Angus cattle and you think EBVs have some meaning, then this cow will be an important stepping stone to assist you to achieve your goal.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-4.1	-1.9	-1.4	+7.1	+63	+114	+150	+127	+25
Acc	54%	48%	85%	74%	69%	70%	68%	66%	58%
Percentile	87	86	91	96	1	1	2	7	3
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-9.0	+3.3	+4	-0.24	+80	+4.0	+0.1	+0.4	+0.2	+1.8
43%	63%	57%	49%	61%	59%	63%	61%	60%	58%
2	5	54	7	6	81	39	25	67	50

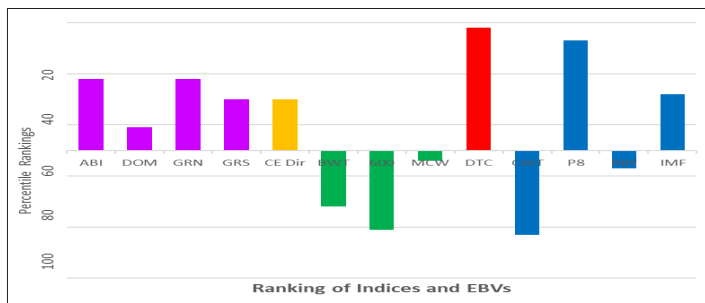
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**LOT 36 MURRAY M202 P59<sup>PV</sup> IDENT: NURP59 GRADE: HBR BORN: 30/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

PATHFINDER GENESIS G357  
**SIRE: MURRAY GENESIS M202**  
 MURRAY BERKLEY F11  
 EXAR EXPAND 1241  
**DAM: MURRAY EXPAND M79**  
 MURRAY DIPLOMAT G115

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$132	+\$115	+\$146	+\$123
Percentile	24	38	23	30



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

**Notes:** A good example of theory and practice working together. This cow is in the top 10% of the breed for fertility and she has an early pregnancy. The mother is a daughter of EXAR Expand that is a breed leader for fertility. We do not know where else you can buy into these genetics. They can be the building blocks for well balanced performance. The mating to P92 shows the potential. The calf is expected to have calving ease and more than adequate growth with low mature weight.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+5.3	+5.4	-1.6	+5.2	+42	+73	+99	+96	+16
Acc	54%	49%	65%	70%	65%	65%	65%	63%	59%
Percentile	30	25	89	72	82	89	81	54	55
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.6	+3.0	-13	+0.51	+55	+7.5	+1.3	+1.6	+0.4	+2.4
44%	59%	52%	50%	61%	57%	62%	59%	60%	57%
2	9	95	89	84	20	10	6	57	28

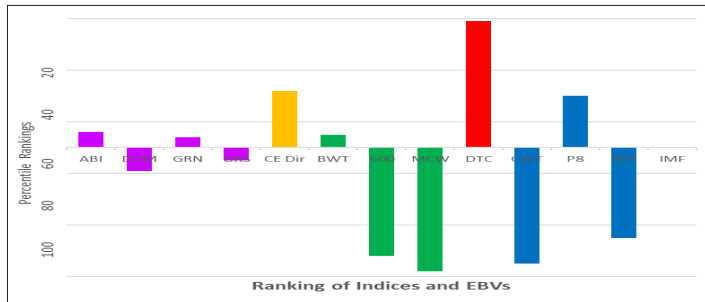
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**LOT 37 MURRAY BLACK LABEL G49<sup>SV</sup> IDENT: NURG49 GRADE: HBR BORN: 30/07/2011**

GENETIC STATUS: AMFU,CAFU,DDF,NHFU

TE MANIA VICEROY V342  
 SIRE: TE MANIA RED LABEL Z1023 (RED)  
 TE MANIA MITTAGONG V254  
 BON VIEW NEW DESIGN 1407  
 DAM: MURRAY 1407 Y6  
 MURRAY DIRECTION W42

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$122	+\$109	+\$128	+\$115
Percentile	44	59	46	52



Traits observed: GL,CE,BWT,200WT(x2),400WT(x2),600WT(x2),DTC(x2),Scan(EMA,Rib,Rump,IMF),DOC

**Notes:** G49 is a black cow but carries a red gene. She is a very reliable older cow that has bred very well for us. We used a son of hers (Murray Emperor L52 by Te Mania Emperor) in our breeding program and two of his daughters are being offered for sale here.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+5.6	+1.9	-0.4	+4.1	+39	+71	+92	+58	+22
Acc	70%	59%	88%	85%	81%	81%	82%	78%	76%
Percentile	28	59	96	45	90	93	92	98	11
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-11.6	+1.1	+38	+0.18	+48	+3.8	-0.1	+0.3	-0.3	+1.8
56%	77%	75%	55%	71%	68%	71%	70%	67%	66%
1	84	1	50	95	83	46	27	85	50

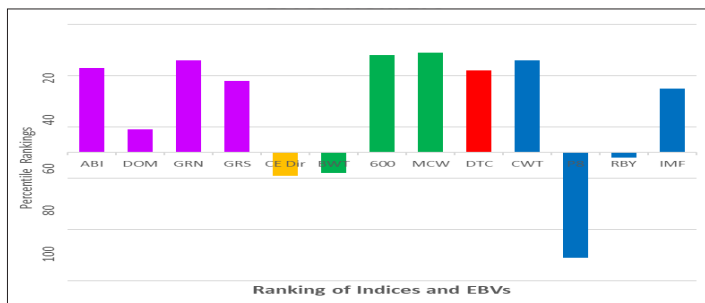
Purchaser ..... \$ .....

**LOT 38 MURRAY M198 P179<sup>PV</sup> IDENT: NURP179 GRADE: HBR BORN: 16/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

H P C A PROCEED  
 SIRE: MURRAY PROCEED M198  
 MURRAY WAVE J43  
 MURRAY INCENTIVE H130  
 DAM: MURRAY H130 K25  
 MURRAY BLACK LABEL G49

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$135	+\$114	+\$155	+\$125
Percentile	19	41	14	25



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

**Notes:** K25 was sold last year to another registered herd as a PTIC breeder and is a daughter of G49 (lot 37 in this catalogue). M198 was one of our earliest sons of H P C A Proceed from the very sound cow J43. This is a very solid pedigree and we expect that she will breed well.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+1.4	+6.3	-4.0	+4.6	+54	+91	+131	+122	+17
Acc	51%	45%	58%	65%	62%	62%	64%	62%	55%
Percentile	58	18	56	58	14	33	12	11	44
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.5	+2.0	+22	+0.21	+75	+1.9	-1.5	-2.1	+0.4	+2.5
37%	58%	48%	43%	56%	53%	58%	55%	55%	53%
17	43	8	55	12	97	89	90	57	25

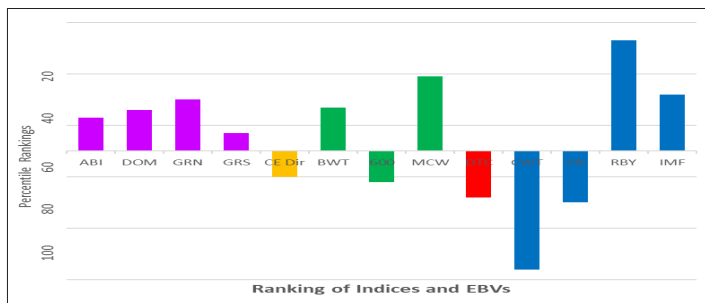
Purchaser ..... \$ .....

**LOT 39 MURRAY RED DAIQUIRI H51 (RED)<sup>SV</sup> IDENT: NURH51 GRADE: HBR BORN: 6/08/2012**

GENETIC STATUS: AMFU,CAFU,DDF,NHFU

TE MANIA AFRICA A217  
 SIRE: TE MANIA DAIQUIRI D19  
 TE MANIA LOWAN B431  
 TE MANIA YORKSHIRE Y437  
 DAM: STRATHEWEN YORKSHIRE DREAM C85  
 STRATHEWEN XPO DREAM A79

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$125	+\$115	+\$140	+\$117
Percentile	37	38	30	46



Traits observed: BWT,200WT(x2),400WT(x2),600WT(x2),MCW(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** A Red Cow with Te Mania bloodlines. Soft and earlier maturing. Phoenix is a pure black bull so that the calf will be a black coated, red gene carrier with the potential to put Black Angus genetics into a red coated animal. These animals should mesh well with the superior red gene carriers we have bred from Te Mania Morrell M1425.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+1.1	+2.1	-8.3	+3.7	+43	+82	+108	+114	+18
Acc	67%	62%	81%	81%	77%	77%	78%	79%	74%
Percentile	60	57	5	35	79	64	62	21	34
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-3.9	+4.3	+20	+0.12	+47	+10.2	-0.5	-1.1	+1.8	+2.4
55%	75%	72%	61%	72%	70%	72%	71%	70%	68%
68	1	11	42	96	3	61	70	7	28

Purchaser ..... \$ .....

**LOT 40 MURRAY RED STEAKHOUSE L29 (RED)<sup>PV</sup> IDENT: NURL29 GRADE: HBR BORN: 27/06/2015**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MESSMER PACKER S008 (RED)

SIRE: BIEBER STEAKHOUSE Y165 (RED)

BIEBER GALEE 9513 (RED)

LJC MISSION STATEMENT P27 (RED)

DAM: MURRAY RED STATEMENT J7 (RED)

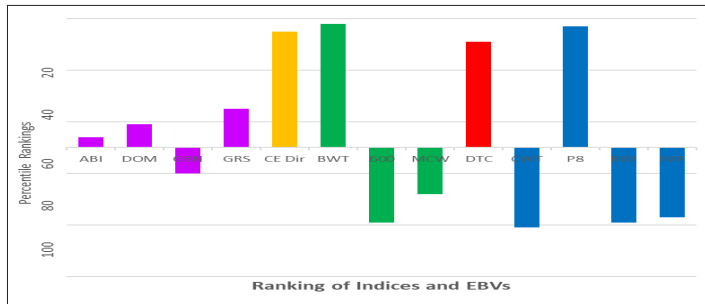
STRATHEWEN YORKSHIRE DREAM C85

**SELECTION INDEXES**

Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$121	+\$114	+\$118	+\$120
Percentile	46	41	61	38

**MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION**

Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+10.0	+7.9	-4.9	+0.8	+40	+79	+100	+89	+16
Acc	51%	42%	71%	75%	68%	69%	72%	66%	59%
Percentile	5	8	40	2	89	76	80	69	59
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.3	+1.3	-8	+0.57	+56	+7.4	+1.9	+2.1	-0.1	+1.2
27%	51%	52%	35%	57%	54%	62%	58%	54%	52%
8	77	88	92	81	22	5	3	79	77



Traits observed: BWT,200WT,400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

Notes: A Red Cow of pure North American breeding. She was purposely bred to a high performing black bull to provide a basis for breeding high performance, red coated cattle.

Purchaser ..... \$ .....

**LOT 41 MURRAY REDEMPTION N79 (RED)<sup>PV</sup> IDENT: NURN79 GRADE: HBR BORN: 21/08/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

BECKTON NEBULA P P707 (RED)

SIRE: BROWN JYJ REDEMPTION Y1334 (RED)

JYJ MS JOLENE W16 (RED)

BROWN ENDORSEMENT W7671 (RED)

DAM: MURRAY RED ENDORSEMENT L153 (RED)

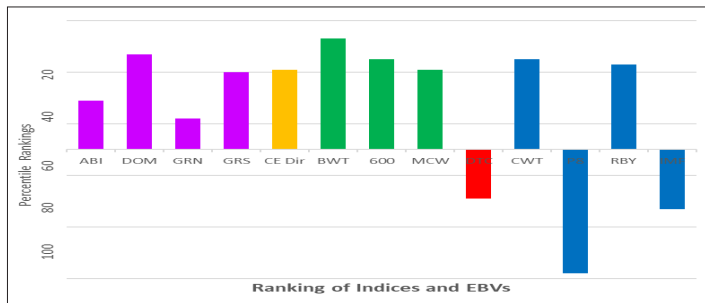
MURRAY STATEMENT J19

**SELECTION INDEXES**

Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$128	+\$124	+\$133	+\$126
Percentile	31	13	39	23

**MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION**

Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+7.1	+6.9	-7.2	+1.9	+54	+100	+128	+114	+14
Acc	51%	40%	84%	73%	66%	66%	70%	65%	52%
Percentile	18	13	11	7	17	10	15	20	75
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-3.7	+1.7	-8	+0.09	+74	+5.9	-1.3	-3.2	+1.3	+1.3
26%	48%	41%	31%	54%	51%	59%	55%	51%	48%
71	58	89	38	14	47	85	98	17	73



Traits observed: GL,CE,BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

Notes: A red cow with almost pure American parentage. We have wanted to breed these animals to be more suited to our Australian long fed market. The mating to Milwillah Marble Bar is a step in this direction.

Purchaser ..... \$ .....

**LOT 42 MURRAY MARBLE BAR P3 (RED)<sup>PV</sup> IDENT: NURP3 GRADE: HBR BORN: 19/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MILWILLAH FEVOLA F37

SIRE: MILWILLAH MARBLE BAR J53 (RED)

MILWILLAH LOWAN G291

BIEBER STEAKHOUSE Y165 (RED)

DAM: MURRAY RED STEAKHOUSE L107 (RED)

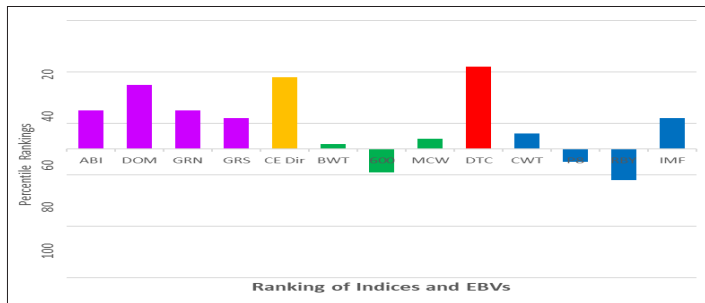
MURRAY STATEMENT J19

**SELECTION INDEXES**

Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$127	+\$120	+\$137	+\$121
Percentile	33	22	34	35

**MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION**

Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+6.4	+3.0	-9.1	+4.2	+47	+89	+110	+101	+12
Acc	51%	42%	84%	72%	66%	67%	64%	62%	52%
Percentile	23	48	3	48	55	39	57	44	86
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.4	+1.8	+27	+0.25	+66	+5.6	-0.3	-0.6	+0.4	+2.0
30%	55%	45%	39%	56%	51%	57%	54%	53%	51%
18	53	4	60	41	52	54	55	57	42



Traits observed: GL,BWT,200WT(x2),400WT,DOC,Genomics

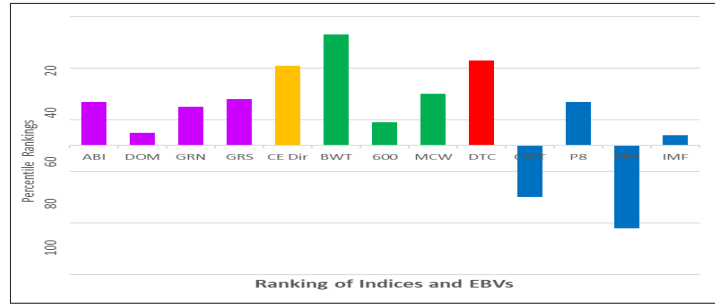
Notes: A red cow with performance that more than matches most black Angus. Milwillah Marble Bar has both Te Mania Berkley and Te Mania Africa in his pedigree. Te Mania Morell is one of a handful of the very high performance Angus animals that carry a red gene. If your clients need red coated, heat tolerant, Angus cattle then this cow could help to meet that need. The calf is potentially an important step in a red Angus programme.

Purchaser ..... \$ .....

**LOT 43 MURRAY MARBLE BAR P51 (RED)<sup>PV</sup> IDENT: NURP51 GRADE: HBR BORN: 28/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MILWILLAH FEVOLA F37  
 SIRE: MILWILLAH MARBLE BAR J53 (RED)  
 MILWILLAH LOWAN G291  
 BROWN ENDORSEMENT W7671 (RED)  
 DAM: MURRAY ENDORSEMENT M71  
 MURRAY ADA G127



Traits observed: GL,CE,BWT,200WT(x2),400WT,DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$127	+\$114	+\$135	+\$123
Percentile	33	41	36	30

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+7.0	+6.7	-3.5	+1.9	+46	+87	+117	+108	+16
Acc	51%	42%	84%	71%	65%	66%	64%	61%	52%
Percentile	19	15	66	7	64	48	38	29	59
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.5	+3.1	-9	+0.00	+60	+4.0	+0.2	+0.1	-0.1	+1.8
33%	56%	43%	42%	56%	52%	57%	53%	54%	51%
17	8	91	26	67	81	36	33	79	50

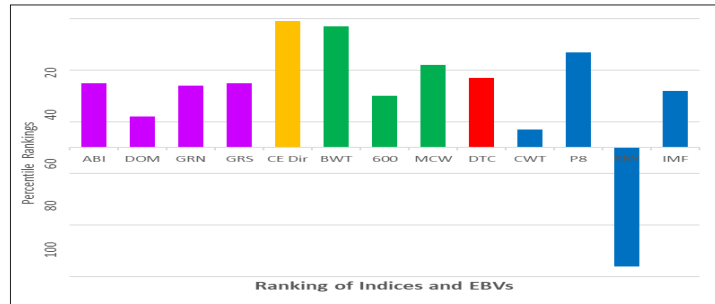
**Notes:** A red cow, with the same breeding and mating as P3, lot 41. Another opportunity to put a red coat on black genetics. Heat tolerance is an important requirement in many areas of this country and the ASBP has a project running to test for heat tolerance in Angus. Two of our more observant fellow breeders suspect that black coated cattle are more susceptible to buffalo fly than red coated cattle. We have had buffalo fly on Straban in the last few years.

Purchaser ..... \$ .....

**LOT 44 MURRAY MARBLE BAR P83 (RED)<sup>PV</sup> IDENT: NURP83 GRADE: HBR BORN: 11/08/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MILWILLAH FEVOLA F37  
 SIRE: MILWILLAH MARBLE BAR J53 (RED)  
 MILWILLAH LOWAN G291  
 BIEBER STEAKHOUSE Y165 (RED)  
 DAM: MURRAY RED STEAKHOUSE L29 (RED)  
 MURRAY RED STATEMENT J7 (RED)



Traits observed: GL,BWT,200WT(x2),400WT,DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$131	+\$115	+\$143	+\$125
Percentile	25	38	26	25

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+13.6	+10.9	-12.7	+1.3	+47	+90	+121	+116	+14
Acc	51%	43%	83%	73%	66%	67%	64%	60%	53%
Percentile	1	1	1	4	58	36	28	17	73
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.1	+2.2	-3	+0.33	+66	+1.9	+0.7	+1.0	-1.0	+2.4
31%	56%	45%	40%	56%	52%	58%	55%	54%	52%
23	33	78	71	40	97	22	13	96	28

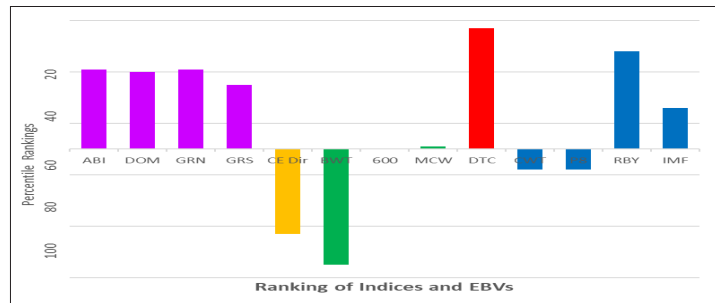
**Notes:** The third red pregnant heifer by Crow Bar. She was intentionally mated to N70. Her calf will be black with a red gene and the potential to breed some high performance Red Angus progeny.

Purchaser ..... \$ .....

**LOT 45 MURRAY AMBUSH 28 G34<sup>PV</sup> IDENT: NURG34 GRADE: HBR BORN: 26/07/2011**

GENETIC STATUS: AMF,CAFU,DDFU,NHFU

ROCKN D AMBUSH 1531  
 SIRE: B/R AMBUSH 28  
 B/R RUBY OF TIFFANY 8250  
 TE MANIA YORKSHIRE Y437  
 DAM: TE MANIA QUEANBEYAN D113  
 TE MANIA QUEANBEYAN Z387



Traits observed: BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$135	+\$121	+\$150	+\$125
Percentile	19	20	19	25

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-3.3	+6.1	-6.0	+6.8	+52	+87	+112	+97	+13
Acc	73%	64%	83%	88%	85%	85%	86%	82%	77%
Percentile	84	19	23	95	25	46	51	50	79
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.2	+3.1	+8	+0.19	+62	+7.1	-0.3	-0.7	+1.5	+2.2
62%	81%	82%	69%	79%	77%	79%	78%	77%	76%
3	8	41	52	58	26	54	58	12	34

**Notes:** G34 was an embryo calf by B/R Ambush 28 from Te Mania Queanbeyan D113 that bred so well for us. One of our long term goals has been to breed cattle that are fertile, marble and yield at the highest level. The calf by Rennylea H708 is predicted to have these characteristics.

Purchaser ..... \$ .....

**LOT 46 MURRAY GENESIS M33<sup>PV</sup> IDENT: NURM33 GRADE: HBR BORN: 10/07/2016**

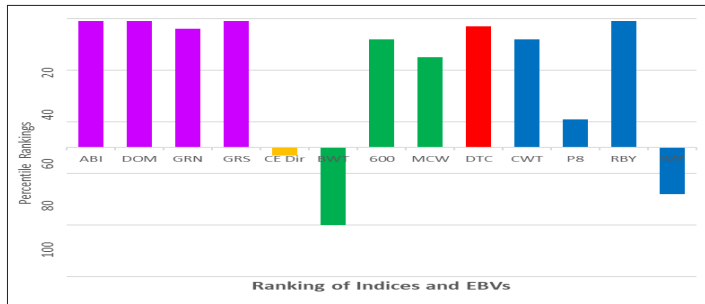
GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA BERKLEY B1  
 SIRE: PATHFINDER GENESIS G357  
 PATHFINDER DIRECTION D245  
 B/R AMBUSH 28  
 DAM: MURRAY AMBUSH 28 G34  
 TE MANIA QUEANBEYAN D113

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$161	+\$140	+\$175	+\$152
Percentile	1	1	4	1

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+2.1	+8.2	-7.2	+5.5	+58	+100	+134	+118	+23
Acc	65%	56%	74%	78%	74%	74%	74%	77%	69%
Percentile	53	7	11	78	6	9	9	15	5

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.4	+4.4	+18	+0.31	+77	+9.3	-0.1	-0.1	+2.8	+1.4
52%	72%	66%	61%	70%	68%	72%	69%	69%	68%
3	1	14	68	8	6	46	39	1	69



Traits observed: BWT,200WT(x2),400WT(x2),600WT,MCW,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** NURM33 was an embryo calf from NURG34, lot 45 above. She has had two calves and is now pregnant with her third calf by our P68, an HPAC Proceed son out of J105. Her father, Pathfinder Genesis, is one of the most heavily used bulls in the breed with more than 2,000 calves. Like Genesis she is a high growth animal carrying a lot of condition even after three very hard seasons.

Purchaser ..... \$ .....

**LOT 47 MURRAY TWINHEARTS P23<sup>PV</sup> IDENT: NURP23 GRADE: HBR BORN: 24/07/2018**

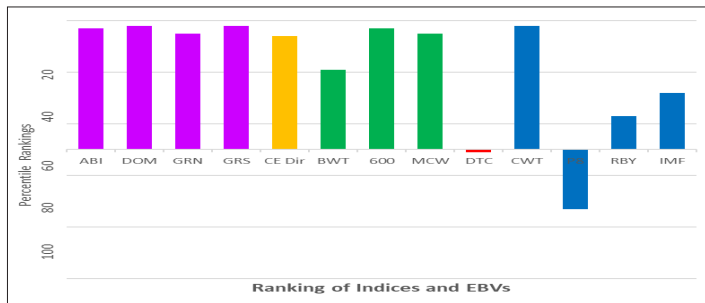
GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

S S OBJECTIVE T510 OT26  
 SIRE: G A R TWINHEARTS 8418  
 G A R YIELD GRADE 2015  
 PATHFINDER GENESIS G357  
 DAM: MURRAY GENESIS M1  
 MURRAY AMBUSH 28 G34

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$153	+\$135	+\$171	+\$146
Percentile	3	2	5	2

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+9.9	+10.5	-9.0	+2.9	+59	+109	+144	+132	+28
Acc	59%	53%	66%	73%	68%	69%	68%	66%	63%
Percentile	6	2	3	19	5	2	3	5	1

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-4.7	+2.2	+2	+0.23	+86	+7.5	-0.5	-1.2	+0.9	+2.4
46%	64%	60%	53%	64%	62%	65%	63%	62%	61%
51	33	62	58	2	20	61	73	32	28



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

**Notes:** On the mother's side of the pedigree this heifer goes back to G34 (lot 45) that has been one of our most reliable breeders. M1 is a daughter of Pathfinder Genesis, a high growth bull with positive fat EBVs. P23 is a very large animal with a small birth weight. Her calf by Norvel should have growth, calving ease and sound carcass EBVs.

Purchaser ..... \$ .....

**LOT 48 MURRAY TEN X J93<sup>SV</sup> IDENT: NURJ93 GRADE: HBR BORN: 24/08/2013**

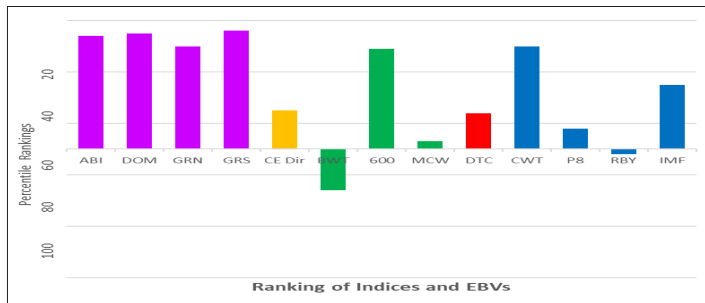
GENETIC STATUS: AMFU,CAF,DDF,NHFU

MYTTY IN FOCUS  
 SIRE: A A R TEN X 7008 S A  
 A A R LADY KELTON 5551  
 TUWHARETOA DIPLOMAT D106  
 DAM: MURRAY DIPLOMAT G114  
 MURRAY 1407 Y4

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$146	+\$129	+\$160	+\$139
Percentile	7	6	11	4

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.7	+5.6	-4.8	+4.9	+57	+99	+131	+99	+20
Acc	64%	57%	86%	80%	75%	75%	78%	79%	71%
Percentile	34	23	42	66	8	11	11	48	22

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.3	+1.9	+4	+0.59	+76	+6.1	+0.1	-0.2	+0.5	+2.5
53%	67%	65%	57%	68%	65%	70%	68%	66%	65%
38	48	54	93	11	43	39	42	52	25



Traits observed: GL,CE,BWT,200WT(x2),400WT(x2),600WT(x2),MCW(x3),DTC,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** We used AAR Ten X, J93's father, mainly for his growth curve but he also threw progeny with carcass weight and yield. This daughter inherited the genes for these attributes. She has had five calves, including the important natural calf as a three year old. The mating with Te Mania Norvel should produce a fertile, structurally sound animal with well above average performance. The combination of fertility and leanness in this line of animals is a very valuable trait to breed into your animals.

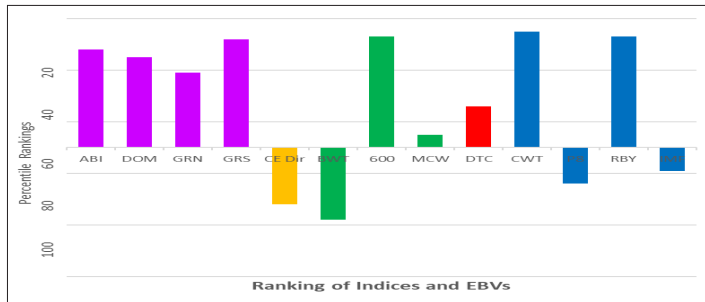
Purchaser ..... \$ .....

**LOT 49 MURRAY EXACT L119<sup>PV</sup> IDENT: NURL119 GRADE: HBR BORN: 15/08/2015**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

ARDROSSAN EQUATOR A241  
 SIRE: ARDROSSAN EXACT E162  
 ARDROSSAN WILCOOLA X17  
 A A R TEN X 7008 S A  
 DAM: MURRAY TEN X J93  
 MURRAY DIPLOMAT G114

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$139	+\$124	+\$147	+\$135
Percentile	13	13	22	8



Traits observed: GL,CE,BWT,200WT(x2),400WT,600WT(x2),MCW,DTC,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-0.7	-0.3	-5.0	+5.5	+57	+100	+136	+100	+25
Acc	59%	50%	85%	77%	71%	71%	75%	76%	61%
Percentile	71	76	39	78	8	10	7	45	3

Notes: The first calf of NURJ93, a Ten X daughter, is offered for sale here. She has passed the fertility test with three calves in three years including the obligatory natural second calf.

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.5	+3.8	+18	+0.25	+81	+6.3	-1.5	-0.9	+1.8	+1.5
49%	63%	59%	56%	66%	62%	67%	65%	63%	63%
34	2	15	60	5	39	89	64	7	64

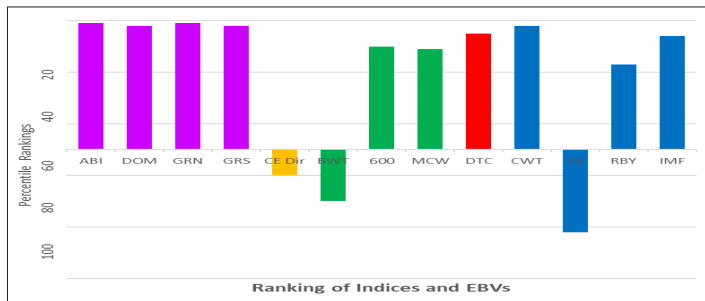
Purchaser ..... \$ .....

**LOT 50 MURRAY GRANDO P163<sup>PV</sup> IDENT: NURP163 GRADE: HBR BORN: 8/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

HYLINE RIGHT TIME 338  
 SIRE: MURRAY EL GRANDO G20  
 TE MANIA QUEANBEYAN D113  
 TUWHARETOA REGENT D145  
 DAM: MURRAY REGENT K31  
 MURRAY TWINHEARTS H87

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$163	+\$134	+\$196	+\$145
Percentile	1	2	1	2



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+0.8	+4.8	-10.4	+5.2	+57	+98	+134	+124	+16
Acc	59%	54%	70%	70%	68%	68%	69%	68%	63%
Percentile	62	30	1	72	8	12	9	9	53

Notes: We think this is one of the more interesting animals being offered for sale. The mother, K31, is a Regent daughter out of one of our very early Twinhearts daughters. Grando, G20, had high marbling and IMF%. P163 has a little bit more birthweight than some would like but she has most other features you might want in a cow, including fertility in the top 20% of the breed. The expected calf by Kodak N70 has very similar EBVs. On the basis of the pregnancy test results she should calve very early.

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.8	+1.9	+3	-0.02	+86	+6.5	-1.1	-1.7	+1.3	+3.5
52%	62%	60%	57%	65%	63%	67%	64%	64%	63%
5	48	59	24	2	35	80	84	17	6

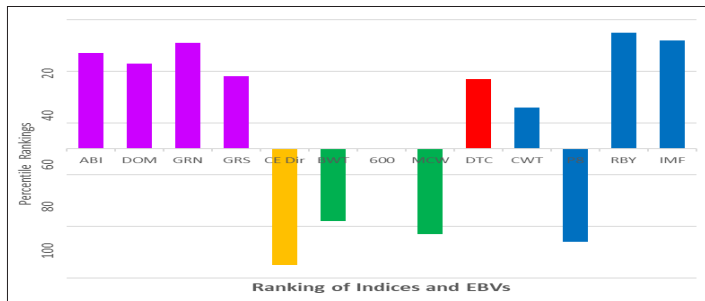
Purchaser ..... \$ .....

**LOT 51 MURRAY GRANDO P181<sup>PV</sup> IDENT: NURP181 GRADE: HBR BORN: 22/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

HYLINE RIGHT TIME 338  
 SIRE: MURRAY EL GRANDO G20  
 TE MANIA QUEANBEYAN D113  
 TUWHARETOA REGENT D145  
 DAM: MURRAY REGENT K31  
 MURRAY TWINHEARTS H87

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$138	+\$122	+\$161	+\$125
Percentile	15	17	10	25



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-7.7	+0.3	-2.1	+5.5	+51	+87	+112	+81	+15
Acc	59%	54%	70%	70%	68%	68%	69%	68%	63%
Percentile	95	72	85	78	32	48	51	82	61

Notes: The same mating as lot 50 that was designed to produce this valuable combination of marbling and meat yield. The mating to N70 will preserve this and constrain the birthweight.

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.1	+1.4	+3	+0.46	+68	+9.5	-1.3	-1.9	+2.1	+3.3
51%	62%	60%	57%	65%	62%	67%	64%	64%	63%
23	73	60	85	32	6	85	87	4	8

Purchaser ..... \$ .....

**LOT 52 MURRAY REPLAY L33<sup>PV</sup> IDENT: NURL33 GRADE: HBR BORN: 14/07/2015**

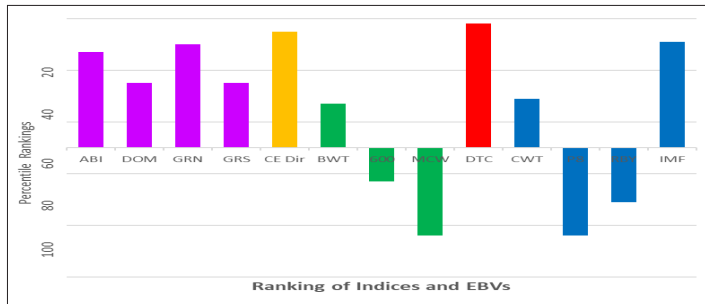
GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

WK VEGAS  
 SIRE: WK REPLAY  
 S A F PENELOPE P020  
 TE MANIA BERKLEY B1  
 DAM: MURRAY BERKLEY G32  
 TUWHARETOA E142

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$139	+\$119	+\$161	+\$125
Percentile	13	25	10	25

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+10.1	+5.3	-8.2	+3.7	+46	+80	+108	+81	+22
Acc	65%	57%	76%	78%	74%	75%	76%	78%	69%
Percentile	5	25	5	35	64	73	63	83	11

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.9	+2.1	+11	+0.35	+68	+4.6	-0.8	-1.6	+0.1	+3.2
55%	70%	66%	59%	69%	67%	70%	68%	68%	66%
2	38	30	73	33	71	71	82	71	9



Traits observed: BWT,200WT,400WT(x2),600WT(x2),MCW,DTC,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** The mother of this cow was one of the highest performing Berkley daughters that we have bred. The father, WK Replay, is a 1407 son that has had more than 700 sons recorded in Australia. L33 is a moderate framed mature cow that has bred well for us. Her EBVs are good for an older proven cow.

Purchaser ..... \$ .....

**LOT 53 MURRAY REPLAY L43<sup>PV</sup> IDENT: NURL43 GRADE: HBR BORN: 18/07/2015**

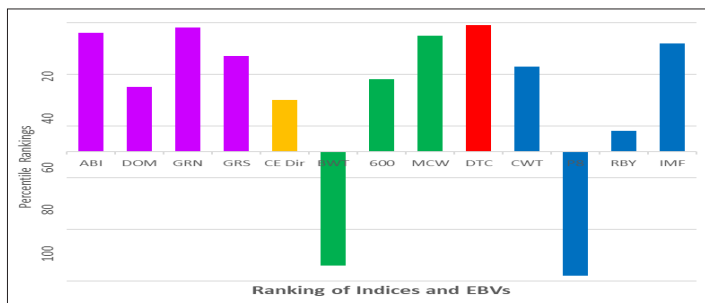
GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

WK VEGAS  
 SIRE: WK REPLAY  
 S A F PENELOPE P020  
 TE MANIA BERKLEY B1  
 DAM: MURRAY BERKLEY G32  
 TUWHARETOA E142

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$151	+\$120	+\$185	+\$131
Percentile	4	22	2	13

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+5.4	+1.3	-7.9	+6.7	+53	+86	+124	+130	+13
Acc	65%	58%	78%	79%	75%	75%	78%	78%	69%
Percentile	29	64	7	94	20	52	22	5	79

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-9.9	+2.0	-10	+0.06	+73	+4.9	-2.2	-3.1	+0.7	+3.3
55%	68%	65%	59%	69%	67%	70%	69%	68%	67%
1	43	92	34	18	66	97	98	42	8



Traits observed: BWT,200WT,400WT(x2),600WT(x2),MCW,DTC,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** L43 is a full flush sister to L33. These two sisters have been through our system and should now go on to produce good saleable progeny. The mating to Rennylea H708 was to build on the marbling in these two animals. The progeny should have the valuable combination of a very high level of marbling with high meat yield and growth.

Purchaser ..... \$ .....

**LOT 54 MURRAY LOCK 'N' LOAD N51<sup>PV</sup> IDENT: NURN51 GRADE: HBR BORN: 2/08/2017**

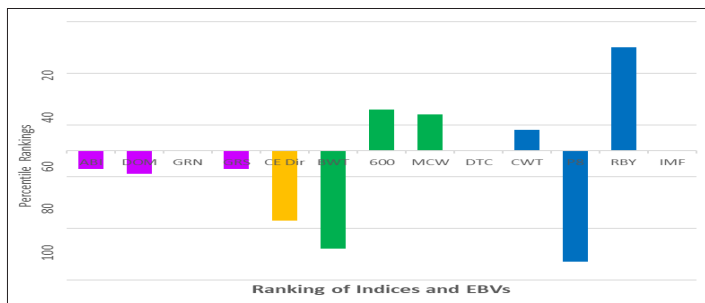
GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

BUF CRK LANCER R017 (RED)  
 SIRE: MUSHRUSH LOCK 'N' LOAD U213 (RED)  
 MUSHRUSH PRIMROSE MM R213 (RED)  
 BIEBER STEAKHOUSE Y165 (RED)  
 DAM: MURRAY STEAKHOUSE K97 (RED)  
 MURRAY DIRECTION X8

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$116	+\$109	+\$124	+\$113
Percentile	57	59	52	58

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-1.6	-2.1	-3.6	+6.1	+52	+88	+119	+104	+15
Acc	45%	37%	83%	72%	63%	63%	68%	62%	51%
Percentile	76	86	64	88	27	41	34	36	68

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-	+1.6	-7	+0.34	+66	+5.7	-2.3	-2.3	+1.6	+1.8
-	41%	33%	31%	52%	51%	57%	53%	49%	47%
-	64	86	72	41	51	97	92	10	50



Traits observed: GL,BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** N51 has had her first calf and is now pregnant with her second calf. She is a more traditional style of Angus. She carries a red gene but of course all her progeny by a black bull will be black coated.

Purchaser ..... \$ .....



**LOT 55 MURRAY SURE FIRE N61<sup>PV</sup> IDENT: NURN61 GRADE: HBR BORN: 7/08/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

CONNEALY IN SURE 8524

SIRE: G A R SURE FIRE

CHAIR ROCK 5050 G A R 8086

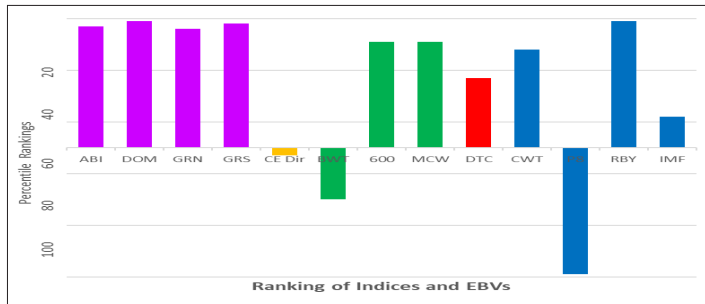
MURRAY JUDGE J14

DAM: MURRAY M TEN X L143

MURRAY DEEGAN H115

**SELECTION INDEXES**

Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$154	+\$138	+\$176	+\$142
Percentile	3	1	3	3



Traits observed: GL,CE,BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** N61 is a daughter of the high performing American sire, G A R Sure Fire. He has the exceptional combination of yield and marbling that we have been trying to fix in our herd. Te Mania Norvel also has this combination so that the progeny from this mating should have yield and marbling locked into them.

**MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION**

Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+1.9	+0.3	-0.4	+5.1	+58	+104	+134	+124	+18
Acc	62%	52%	84%	76%	71%	71%	74%	70%	63%
Percentile	54	72	96	70	5	5	9	9	34
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.1	+2.9	-13	-0.42	+75	+9.8	-3.2	-3.5	+3.0	+2.1
44%	65%	57%	59%	68%	65%	69%	65%	68%	65%
23	11	96	2	13	4	99	99	1	38

Purchaser ..... \$ .....

**LOT 56 MURRAY LANDLINK P93<sup>PV</sup> IDENT: NURP93 GRADE: HBR BORN: 19/08/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA JENKINS J89

SIRE: TE MANIA LANDLINK L228

TE MANIA MITTAGONG J808

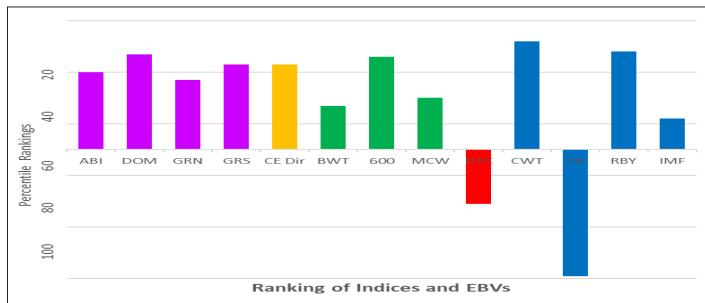
TE MANIA EMPEROR E343

DAM: MURRAY EMPEROR L85

MURRAY YW129 Z49

**SELECTION INDEXES**

Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$132	+\$123	+\$145	+\$128
Percentile	24	15	24	18



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

**Notes:** Z49, the mother of L85, had 10 live calves. For the last couple of calves we joined her to Te Mania Emperor. L85 (like L45) was sold as a PTIC breeder. We used L45's first calf (by G A R Sure Fire) in our breeding programme. There is a lot of strength in the female side of this pedigree. In addition P93 has the necessary performance to allow you to breed high performing progeny when you join her to a high performance bull. The mating to N70 shows what can be done.

**MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION**

Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+7.3	+5.7	-1.8	+3.6	+56	+96	+128	+107	+24
Acc	53%	48%	68%	72%	65%	65%	63%	62%	55%
Percentile	17	22	88	33	10	16	15	31	3
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-3.7	+1.0	-4	-0.02	+77	+8.7	-1.7	-4.1	+1.5	+2.1
40%	58%	52%	47%	58%	55%	59%	57%	57%	55%
71	87	81	24	9	9	92	99	12	38

Purchaser ..... \$ .....

**LOT 57 MURRAY LANDLINK P81<sup>PV</sup> IDENT: NURP81 GRADE: HBR BORN: 10/08/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA JENKINS J89

SIRE: TE MANIA LANDLINK L228

TE MANIA MITTAGONG J808

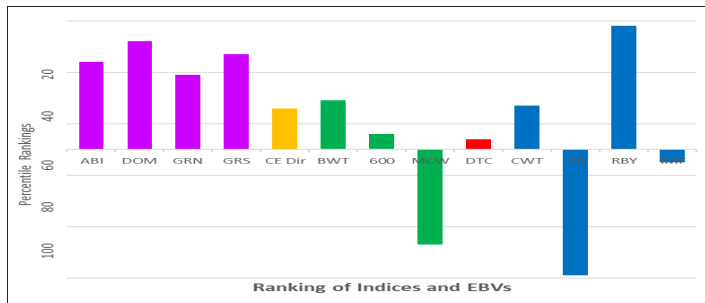
TE MANIA EMPEROR E343

DAM: MURRAY EMPEROR L45

MURRAY SANDY Z25

**SELECTION INDEXES**

Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$137	+\$127	+\$148	+\$131
Percentile	16	8	21	13



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

**Notes:** A very similar story to P93, lot 56 above. The grandmother of this calf, NURZ2, had 11 live calves before going empty as a 13 year old cow. L45, her mother, was sold PTIC as a breeder after two calves. Longevity and fertility are the basic strengths of Angus cattle and this cow has them in her pedigree. The mating to P92 was intended to improve the IMF% EBV. It also improves the growth curve - the relation between birth weight, growth and mature weight which we believe to be important.

**MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION**

Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.7	+7.5	-3.7	+3.5	+46	+87	+115	+77	+22
Acc	53%	48%	68%	71%	64%	65%	63%	62%	55%
Percentile	34	10	62	31	64	46	45	87	9
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-4.9	+1.6	-4	+0.34	+68	+9.9	-3.0	-4.2	+2.5	+1.7
41%	58%	52%	47%	58%	55%	60%	57%	57%	55%
46	64	80	72	33	4	99	99	2	55

Purchaser ..... \$ .....

## Lot 58 - 68 Recipients

For the recipient cows the first line of information relates to the recipient cow and provides her society name, ident and so on.

All the other information relates to the embryo calf. The second (highlighted) line identifies the father and mother of the embryo. We then show a two-generation pedigree for this mating and the expected average progeny values of the mating of the parents of the embryo. This information was extracted from the mating predictor in early February 2020.

The bar graph is based on the percentiles as shown by the mating predictor and presented in the table. The comments are our own.

Please note and be aware of the following caveat from the Angus Society concerning estimates of average progeny values.

*Expected average progeny values are provided to assist breeders estimate the outcome of particular mating combinations. The actual TransTasman Angus Cattle Evaluation EBVs for any progeny resulting from a particular mating are likely to vary from the expected average values.*

**LOT 58 MURRAY BERKLEY F17<sup>SV</sup> IDENT: NURF17 GRADE: RECIP BORN: 1/08/2010**

GENETIC STATUS: AMFU,CAFU,DDF,NHFU

**EMBRYO MURRAY GENERAL P4<sup>PV</sup> X MURRAY TWINHEARTS P7<sup>PV</sup>**

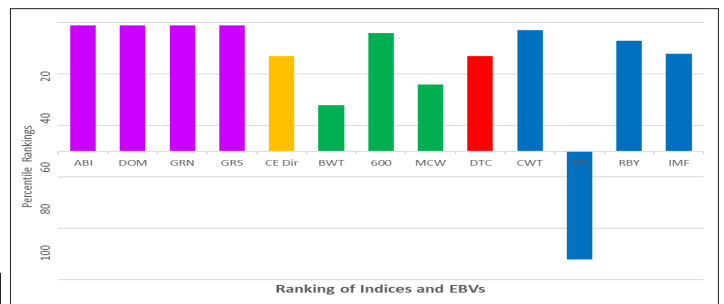
ESSLEMONT GENERAL L115 PV G A R TWINHEARTS 8418 SV  
SIRE: MURRAY GENERAL P4 PV DAM: MURRAY TWINHEARTS P7 PV  
MURRAY INCENTIVE H99 PV MURRAY BARTEL M17 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING NURP4 X NURP7

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	173	148	202	159
Percentile	1	1	1	1

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	8	7.7	-7.3	3.5	59	107	139	110	23
Acc	59%	53%	76%	74%	69%	69%	69%	67%	63%
Percentile	13	8	10	32	4	2	4	24	5

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF	
-6.8	2.8	-3	0.4	81	11.1	-2.7	-2.4	1.8	3.1	
46%	68%	59%	52%	64%	61%	65%	63%	62%	61%	
Percentile	13	15	77	79	3	1	98	92	7	12



**Notes:** Recipient with pregnancy mating of Murray General P4 NURP4 x NURP7.P7, the donor for the previous embryos, puts Twinhearts into this pedigree. To the best of our knowledge there is no longer semen available from this bull. We used Murray General P4, our own bull, for the sire of the calf as we know him and his breeding well. His EBVs compliment those coming from Twinhearts.

Purchaser .....\$.....

**LOT 59 MURRAY UPSHOT H27<sup>PV</sup> IDENT: NURH27 GRADE: RECIP BORN: 23/07/2012**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

**EMBRYO TE MANIA NOCTON N1396<sup>PV</sup> X MURRAY M204 P77<sup>PV</sup>**

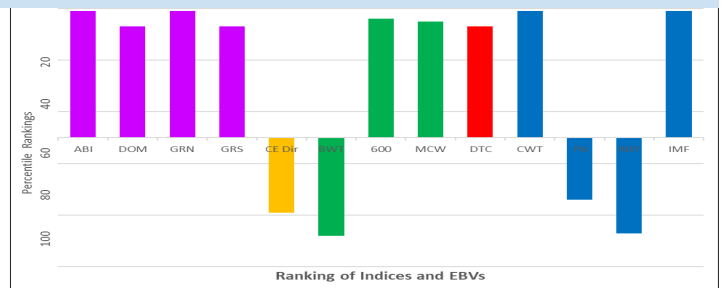
TE MANIA KATHMANDU K352 SV MURRAY PROCEED M204 PV  
SIRE: TE MANIA NOCTON N1396 PV DAM: MURRAY M204 P77 PV  
TE MANIA JAPARA E63 SV MURRAY REGENT K31 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING VTMN1396 X NURP77

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	156	128	193	136
Percentile	1	7	1	7

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-2.2	2.7	-5.6	6.1	58	108	139	129	16
Acc	58%	52%	71%	75%	70%	70%	70%	67%	61%
Percentile	79	51	29	88	5	2	4	5	53

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF	
-7.5	2	10	0.39	87	5.7	-0.3	-1.2	-0.3	4.3	
44%	68%	62%	51%	63%	62%	66%	63%	62%	61%	
Percentile	7	47	32	78	1	51	56	74	87	1



**Notes:** Recipient with pregnancy mating of Te Mania Nocton VTMN1396 x NURP77. Murray Proceed M204 is the grand sire of the next four embryos from P77 and P5. We were one of the earliest Australian users of his father, HPCA Proceed. Proceed semen is no longer available. M204's mother, NURJ43, was one of the most attractive cows that we have bred and was sold to The Rock Angus stud. We created these embryos to provide high growth animals with high IMF% EBVs. K31 is by Grando, NUR G20, out of a Tuwharetoa Regent daughter. The joining sire, Te Mania Nocton N1396, is a very high marbling bull that was purchased primarily for his structural soundness and visual appeal.

Purchaser .....\$.....

**LOT 60 MURRAY TEN X J21<sup>PV</sup> IDENT: NURJ21 GRADE: RECIP BORN: 29/07/2013**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

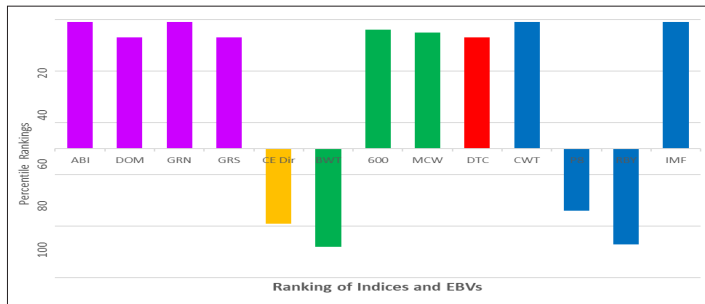
**EMBRYO TE MANIA NOCTON N1396<sup>PV</sup> X MURRAY M204 P77<sup>PV</sup>**

TE MANIA KATHMANDU K352 SV MURRAY PROCEED M204 PV  
 SIRE: TE MANIA NOCTON N1396 PV DAM: MURRAY M204 P77 PV  
 TE MANIA JAPARA E63 SV MURRAY REGENT K31 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING VTMN1396 X NURP77

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	156	128	193	136
Percentile	1	7	1	7

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-2.2	2.7	-5.6	6.1	58	108	139	129	16
Acc	58%	52%	71%	75%	70%	70%	70%	67%	61%
Percentile	79	51	29	88	5	2	4	5	53
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.5	2	10	0.39	87	5.7	-0.3	-1.2	-0.3	4.3
44%	68%	62%	51%	63%	62%	66%	63%	62%	61%
7	47	32	78	1	51	56	74	87	1



**Notes:** Recipient with pregnancy mating of Te Mania Nocton VTMN1396 x NURP77. The same mating as the previous lot. You would prefer to buy an embryo that proves to have better EBVs than the predicted ones shown here. If you buy both lots there is a better chance of getting the high growth, high IMF animal that you want for your breeding programme.

Purchaser ..... \$ .....

**LOT 61 MURRAY DIPLOMAT H75<sup>SV</sup> IDENT: NURH75 GRADE: RECIP BORN: 13/08/2012**

GENETIC STATUS: AMFU,CAFU,DDF,NHFU

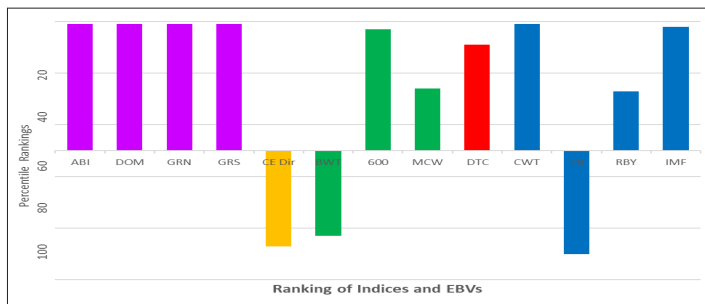
**EMBRYO MURRAY GENERAL P4<sup>PV</sup> X MURRAY M204 P77<sup>PV</sup>**

ESSLEMONT GENERAL L115 PV MURRAY PROCEED M204 PV  
 SIRE: MURRAY GENERAL P4 PV DAM: MURRAY M204 P77 PV  
 MURRAY INCENTIVE H99 PV MURRAY REGENT K31 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING NURP4 X NURP77.

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	163	136	197	146
Percentile	1	1	1	1

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-4.3	2.8	-4.3	5.7	59	108	141	109	21
Acc	56%	49%	77%	73%	67%	67%	67%	65%	59%
Percentile	87	50	52	83	3	2	3	26	11
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.2	2.8	6	0.67	87	9.7	-1.8	-2.2	1.1	3.9
42%	65%	58%	49%	61%	58%	63%	60%	60%	58%
9	15	47	96	1	4	92	90	27	2



**Notes:** Recipient with pregnancy mating of Murray General P4 NURP4 x NURP77. The embryo from P77, by our Murray General P4, should provide a different type of animal from the Nocton matings. P4 will make a significant improvement to yield but reduce IMF%.

Purchaser ..... \$ .....

**LOT 62 MURRAY B77 F355<sup>#</sup> IDENT: NURF355 GRADE: RECIP BORN: 22/08/2010**

GENETIC STATUS: AMFU,CAFU,DDF,NHFU

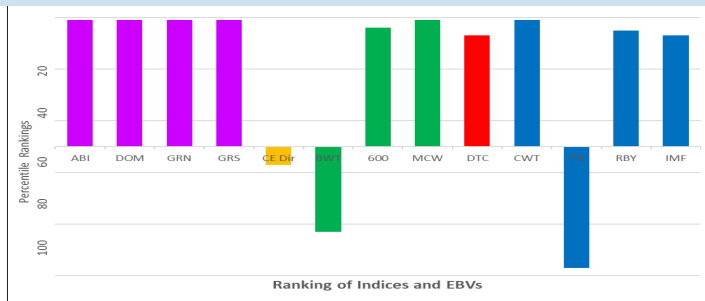
**EMBRYO MURRAY KODAK N70<sup>PV</sup> X MURRAY M204 P5<sup>PV</sup>**

RENNYLEA KODAK K522 SV MURRAY PROCEED M204 PV  
 SIRE: MURRAY KODAK N70 PV DAM: MURRAY M204 P5 PV  
 MURRAY WAVE J53 PV MURRAY REGENT K31 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING NURN70 X NURP5.

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	164	135	199	145
Percentile	1	1	1	1

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	1.5	3.2	-6.3	5.7	60	102	139	145	16
Acc	60%	51%	81%	79%	71%	71%	70%	67%	59%
Percentile	57	46	20	83	3	7	4	1	50
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.4	4.3	-6	0.39	86	8.3	-1.9	-3.1	2	3.4
43%	67%	59%	53%	64%	61%	65%	63%	63%	61%
7	1	85	77	1	12	94	97	5	7



**Notes:** Recipient with pregnancy mating of Murray Kodak NURN70 x NURP5. P5's mother, NURL43, is on offer here as lot 53. P5 has an extremely desirable combination of marbling, yield and growth. Kodak N70 has these traits while moderating birth weight and improving fertility (days to calving).

Purchaser ..... \$ .....

**EMBRYO RENNYLEA KODAK K522<sup>SV</sup> X MURRAY WAVE J53<sup>PV</sup>**

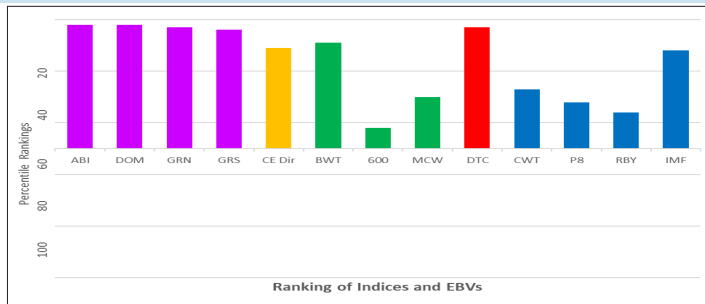
RENNYLEA EDMUND E11 PV GARDENS WAVE#  
 SIRE: RENNYLEA KODAK K522 SV DAM: MURRAY WAVE J53 PV  
 RENNYLEA EISA ERICA F810 # TE MANIA QUEANBEYAN D113 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING NORK522 X NURJ53

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	153	133	176	139
Percentile	2	2	3	4

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	8.4	8.5	-7.4	2.1	49	89	115	107	15
Acc	73%	63%	88%	92%	89%	88%	88%	81%	73%
Percentile	11	5	9	9	42	40	42	30	66

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.2	4.5	-8	0.52	69	6.5	0.8	0.2	0.9	3.1
58%	86%	82%	71%	81%	80%	82%	80%	79%	78%
3	1	88	89	27	36	21	32	36	12



**Notes:** Recipient with pregnancy mating of Rennylea Kodak NORK522 x NURJ53. This and the following two embryos have the same pedigree as the bull Murray Kodak N70 that we have used intensively. N70 is now being progeny tested in cohort 10 of the Angus Sire Benchmarking programme. Murray Wave J53, the dam in this mating, has been a very solid performer in our programme and was sold open to be flushed in another breeding programme. This mating provided us with the opportunity to retain marbling and yield while moderating some of the more extreme birth weight and calving ease problems arising in other parts of our programme.

Purchaser ..... \$ .....

**EMBRYO RENNYLEA KODAK K522<sup>SV</sup> X MURRAY WAVE J53<sup>PV</sup>**

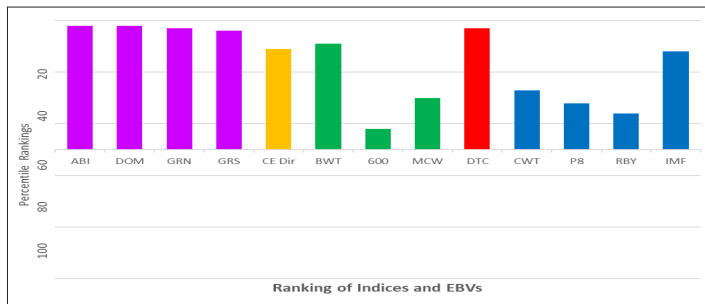
RENNYLEA EDMUND E11 PV GARDENS WAVE#  
 SIRE: RENNYLEA KODAK K522 SV DAM: MURRAY WAVE J53 PV  
 RENNYLEA EISA ERICA F810 # TE MANIA QUEANBEYAN D113 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING NORK522 X NURJ53

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	153	133	176	139
Percentile	2	2	3	4

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	8.4	8.5	-7.4	2.1	49	89	115	107	15
Acc	73%	63%	88%	92%	89%	88%	88%	81%	73%
Percentile	11	5	9	9	42	40	42	30	66

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.2	4.5	-8	0.52	69	6.5	0.8	0.2	0.9	3.1
58%	86%	82%	71%	81%	80%	82%	80%	79%	78%
3	1	88	89	27	36	21	32	36	12



**Notes:** Recipient with pregnancy mating of Rennylea Kodak NORK522 x NURJ53. Murray Kodak N70 has the same breeding as these embryos and has now been used by us for joining as a yearling and a two year old bull. His first calves are attractive well structured animals.

Purchaser ..... \$ .....

**EMBRYO RENNYLEA KODAK K522<sup>SV</sup> X MURRAY WAVE J53<sup>PV</sup>**

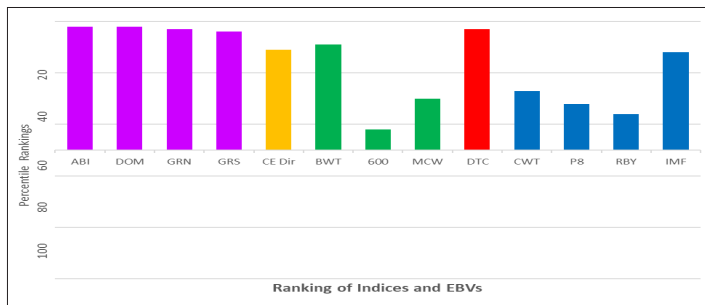
RENNYLEA EDMUND E11 PV GARDENS WAVE#  
 SIRE: RENNYLEA KODAK K522 SV DAM: MURRAY WAVE J53 PV  
 RENNYLEA EISA ERICA F810 # TE MANIA QUEANBEYAN D113 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING NORK522 X NURJ53

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	153	133	176	139
Percentile	2	2	3	4

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	8.4	8.5	-7.4	2.1	49	89	115	107	15
Acc	73%	63%	88%	92%	89%	88%	88%	81%	73%
Percentile	11	5	9	9	42	40	42	30	66

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.2	4.5	-8	0.52	69	6.5	0.8	0.2	0.9	3.1
58%	86%	82%	71%	81%	80%	82%	80%	79%	78%
3	1	88	89	27	36	21	32	36	12



**Notes:** Recipient with pregnancy mating of Rennylea Kodak NORK522 x NURJ53. If you think that this mating could be useful in your breeding programme you can be more certain of improving on it if you buy more than one of these three recipients (lots 63 to 65).

Purchaser ..... \$ .....

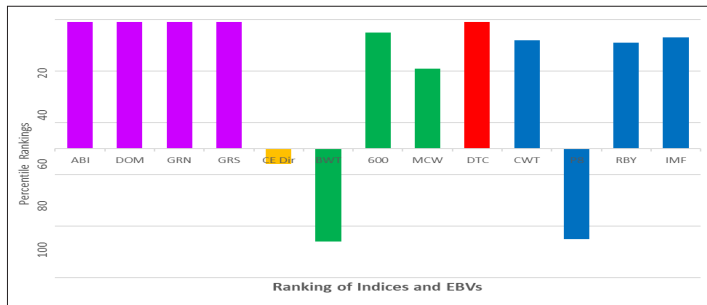
**EMBRYO CLUNES CROSSING DUSTY M13 PV X MURRAY G20 K51 SV**

G A R PROPHET SV MURRAY EL GRANDO G20 SV  
 SIRE: CLUNES CROSSING DUSTY M13 PV DAM: MURRAY G20 K51 SV  
 CLUNES CROSSING GLORIOUS G1 SV MURRAY OBJECTIVE G102 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING QMUM13 X NURK51

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	175	146	206	157
Percentile	1	1	1	1

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	1.6	4.8	-6.7	6	63	105	138	114	17
Acc	70%	59%	83%	88%	80%	79%	79%	77%	68%
Percentile	56	30	15	86	1	4	5	19	41
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBV	IMF
-8.9	2.4	4	0.39	77	9.6	-1.2	-1.7	1.7	3.4
53%	72%	67%	59%	71%	67%	70%	68%	67%	66%
1	28	54	78	8	5	81	85	9	7



**Notes:** Recipient with pregnancy mating of Clunes Crossing Dusty QMUM13 x NURK51. G102, the mother of the donor cow in this mating, K51, is also the mother of lot 4, Murray Lotto N7. G20, that has bred so well for us, is K51's father. Her combination of IMF%, retail beef yield and days to calving EBVs are very exceptional. The father of the embryo, Clunes Crossing Dusty M13, has had the major effect of improving calving ease, yield and carcass weight.

Purchaser ..... \$ .....

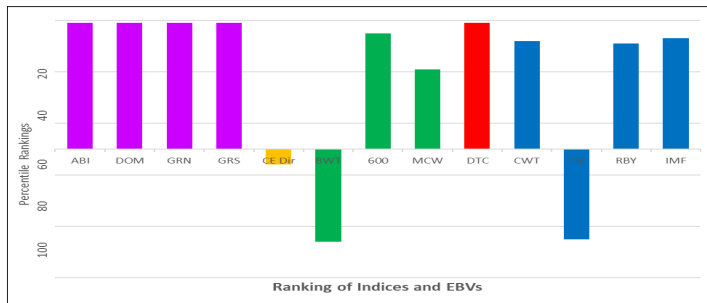
**EMBRYO CLUNES CROSSING DUSTY M13 PV X MURRAY G20 K51 SV**

G A R PROPHET SV MURRAY EL GRANDO G20 SV  
 SIRE: CLUNES CROSSING DUSTY M13 PV DAM: MURRAY G20 K51 SV  
 CLUNES CROSSING GLORIOUS G1 SV MURRAY OBJECTIVE G102 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING QMUM13 X NURK51

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	175	146	206	157
Percentile	1	1	1	1

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	1.6	4.8	-6.7	6	63	105	138	114	17
Acc	70%	59%	83%	88%	80%	79%	79%	77%	68%
Percentile	56	30	15	86	1	4	5	19	41
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBV	IMF
-8.9	2.4	4	0.39	77	9.6	-1.2	-1.7	1.7	3.4
53%	72%	67%	59%	71%	67%	70%	68%	67%	66%
1	28	54	78	8	5	81	85	9	7



**Notes:** Recipient with pregnancy mating of Clunes Crossing Dusty QMUM13 x NURK51. This recipient is pregnant to an embryo from the same flush as lot 66 above.

Purchaser ..... \$ .....

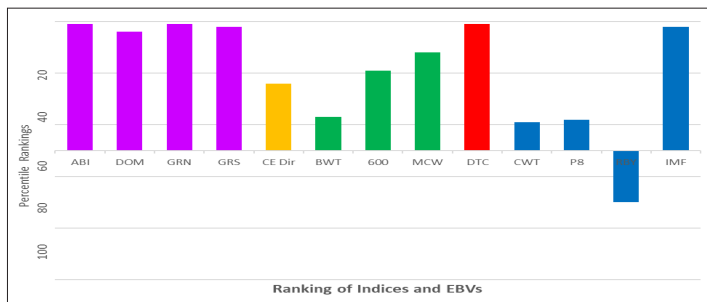
**EMBRYO CLUNES CROSSING DUSTY M13 PV X MURRAY G20 K51 SV**

RENNYLEA EDMUND E11 PV MURRAY EL GRANDO G20 SV  
 SIRE: RENNYLEA KODAK K522 SV DAM: MURRAY G20 K51 SV  
 RENNYLEA EISA ERICA F810 # MURRAY OBJECTIVE G102 PV

EXPECTED AVERAGE PROGENY VALUES OF MATING QMUM13 X NURK51

SELECTION INDEXES				
Selection Index	Angus	Domestic	Heavy	Heavy
	Breeding Index	Index	Grain Index	Grass Index
	161	131	195	142
Percentile	1	4	1	2

MATING PREDICTOR EBVS									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	6.1	7	-5.6	3.7	53	92	125	120	16
Acc	70%	61%	83%	88%	86%	86%	86%	81%	71%
Percentile	24	12	29	37	19	27	19	12	58
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBV	IMF
-9	4	8	0.64	67	4.9	0.3	-0.1	0.2	4
58%	80%	80%	70%	79%	77%	80%	77%	76%	76%
1	1	41	95	39	67	35	38	70	2



**Notes:** Recipient with pregnancy mating of Rennylea Kodak NORK522 x NURK51. The donor cow, NURK51, has the strengths as discussed at Lot 66. The mating to Kodak enhances IMF% and improves birth weight and calving ease.

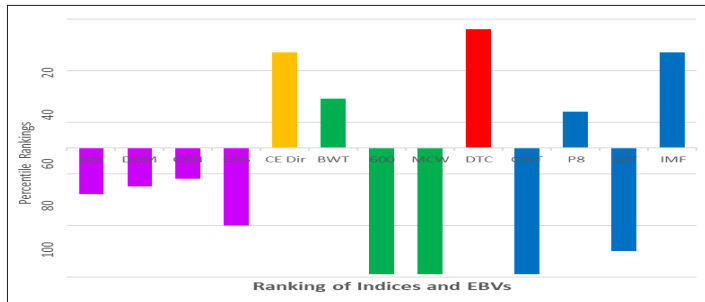
Purchaser ..... \$ .....

**LOT 69 PRIME JAPARA E63<sup>SV</sup> IDENT: CXBE63 GRADE: HBR BORN: 10/03/2009**

GENETIC STATUS: AMFU,CAF,DDFU,NHFU

BON VIEW NEW DESIGN 1407  
 SIRE: BONGONGO BULLETPROOF Z3  
 BONGONGO NGXX9  
 TE MANIA VICEROY V342  
 DAM: PRIME JAPARA B43  
 TE MANIA JAPARA X658

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$110	+\$107	+\$117	+\$103
Percentile	68	65	62	80



Traits observed: GL,BWT,200WT,400WT,MCW(x3),Scan(EMA,Rib,Rump,IMF),Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+8.0	+7.5	-0.1	+3.5	+32	+56	+65	+24	+16
Acc	66%	60%	88%	81%	77%	77%	78%	80%	78%
Percentile	13	10	97	31	99	99	99	99	52

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.2	+0.5	+19	+0.03	+38	+8.0	+0.8	+0.1	-0.5	+3.0
59%	68%	68%	58%	71%	68%	73%	71%	69%	68%
3	96	13	30	99	15	19	33	90	13

**Notes:** We purchased E63 as a pregnant heifer in 2010 from Prime Angus. She has had a chequered career in our herd. Purely on the basis of EBVs we used her as a recipient in 2015. We started to receive structural EBVs on all our animals in 2016 and as a result we reinstated her into the main body of the herd. In 2018 we flushed her. She produced four embryo calves and one natural calf in 2019.

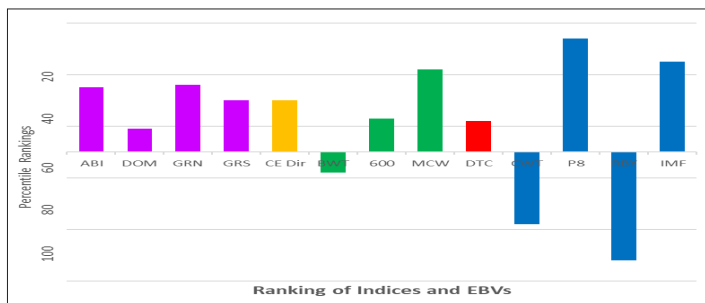
Purchaser ..... \$ .....

**LOT 70 MURRAY KODAK N57<sup>PV</sup> IDENT: NURN57 GRADE: HBR BORN: 5/08/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA EDMUND E11  
 SIRE: RENNYLEA KODAK K522  
 RENNYLEA EISA ERICA F810  
 RITO 12E7 OF 5F56 RITO 5M2  
 DAM: MURRAY RITO 12E7 L11  
 MURRAY NONE BETTER J89

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$130	+\$113	+\$144	+\$123
Percentile	27	45	25	30



Traits observed: GL,CE,BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+5.2	+4.5	-4.1	+4.6	+51	+86	+118	+115	+14
Acc	57%	49%	84%	75%	69%	69%	70%	65%	57%
Percentile	31	33	55	58	29	52	37	18	74

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.3	+3.5	-6	+0.58	+57	+3.5	+1.7	+1.7	-0.6	+2.9
43%	64%	55%	55%	64%	62%	66%	63%	64%	62%
38	4	84	93	78	87	6	6	92	15

**Notes:** We flushed this heifer as a maiden and in addition she has had a natural calf. She is now pregnant naturally for a second time. Her indices are sufficiently robust that when joined to a high indexing bull the progeny will be well above average.

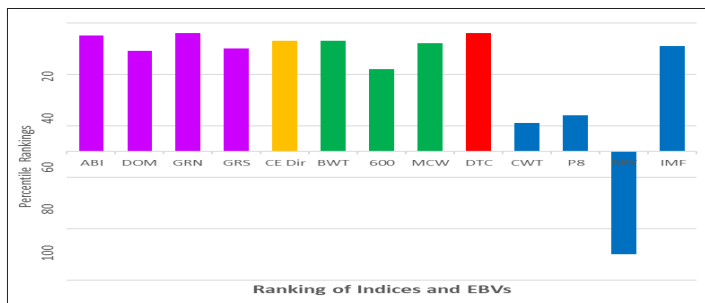
Purchaser ..... \$ .....

**LOT 71 MURRAY DISCOVERY N25<sup>PV</sup> IDENT: NURN25 GRADE: HBR BORN: 29/07/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

AAR TEN X 7008 SA  
 SIRE: V A R DISCOVERY 2240  
 DEER VALLEY RITA 0308  
 TE MANIA BERKLEY B1  
 DAM: MURRAY BERKLEY F4  
 MURRAY SANDY Y29

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$149	+\$126	+\$176	+\$134
Percentile	5	10	3	9



Traits observed: GL,BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+9.7	+5.0	-7.4	+2.0	+46	+98	+127	+125	+23
Acc	61%	53%	85%	77%	72%	72%	75%	70%	63%
Percentile	6	28	10	8	62	13	17	8	7

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.1	+3.6	+7	+0.69	+67	+2.5	+0.1	+0.0	-0.4	+3.2
46%	67%	63%	52%	65%	63%	67%	64%	63%	63%
4	3	44	97	38	95	39	36	88	9

**Notes:** F4, a Berkley daughter, was one of the visually most attractive cows we have bred. We flushed her on one occasion and she finally left the herd as a rising nine year old cow. V A R Discovery was the son of AAR Ten X that bred most successfully for us. Calving ease, growth, fertility and carcass strengths are what N25 and her calf will provide for you.

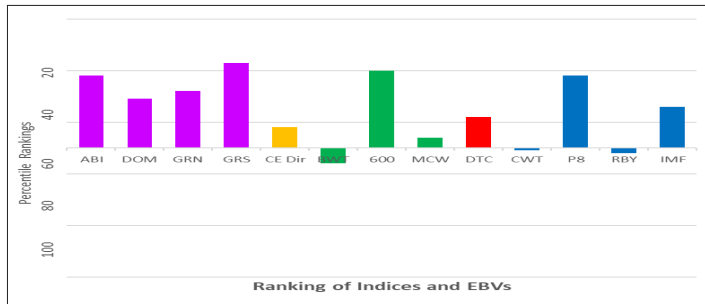
Purchaser ..... \$ .....

**LOT 72 MURRAY LANDLINK P103<sup>PV</sup> IDENT: NURP103 GRADE: HBR BORN: 21/08/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA JENKINS J89  
 SIRE: TE MANIA LANDLINK L228  
 TE MANIA MITTAGONG J808  
 PATHFINDER GENESIS G357  
 DAM: MURRAY GENESIS M183  
 MURRAY DEEGAN G116

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$133	+\$117	+\$141	+\$129
Percentile	22	31	28	16



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

**Notes:** This daughter of Landlink is out of a Pathfinder Genesis daughter. She is a high growth animal with moderate birthweight. She carries a lot of body fat and has come through the dry spell very comfortably.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.4	+1.0	-1.5	+4.5	+53	+92	+125	+99	+31
Acc	52%	46%	64%	72%	65%	66%	64%	61%	55%
Percentile	44	66	90	56	18	29	21	47	1
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.3	+1.7	+4	+0.24	+64	+8.5	+0.2	+0.5	+0.5	+2.2
38%	59%	52%	47%	59%	55%	60%	57%	57%	55%
38	58	54	59	52	11	36	22	52	34

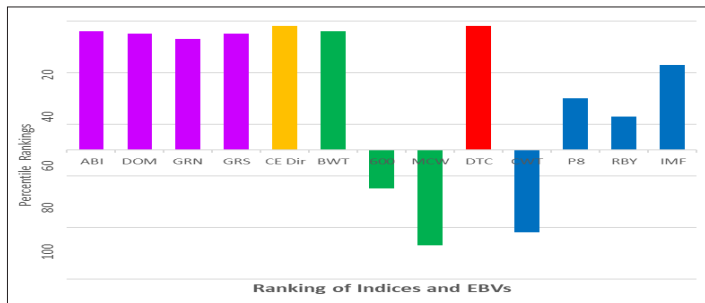
Purchaser ..... \$ .....

**LOT 73 MURRAY KODAK N35<sup>PV</sup> IDENT: NURN35 GRADE: HBR BORN: 30/07/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA EDMUND E11  
 SIRE: RENNYLEA KODAK K522  
 RENNYLEA EISA ERICA F810  
 MURRAY AFRICA J122  
 DAM: MURRAY M AFRICA L105  
 MURRAY UPSHOT H37

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$150	+\$130	+\$167	+\$139
Percentile	4	5	7	4



Traits observed: GL,CE,BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** A sound proven breeder. She has had one calf and is pregnant by a natural joining for an early second calf. Her father, Rennyalea Kodak, has had more than 1,000 progeny and has bred well for us. She should be set for a productive future.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+12.1	+8.9	-6.6	+1.5	+45	+82	+107	+76	+20
Acc	56%	50%	84%	76%	71%	71%	74%	68%	57%
Percentile	2	4	16	4	66	64	65	88	22
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.5	+3.3	-10	+0.62	+56	+8.8	+1.5	+0.2	+0.8	+2.8
44%	64%	57%	55%	65%	62%	66%	64%	64%	62%
2	5	92	95	82	9	8	30	37	17

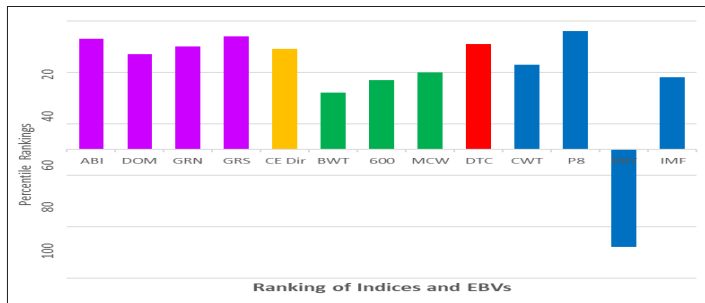
Purchaser ..... \$ .....

**LOT 74 MURRAY KODAK N37<sup>PV</sup> IDENT: NURN37 GRADE: HBR BORN: 31/07/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA EDMUND E11  
 SIRE: RENNYLEA KODAK K522  
 RENNYLEA EISA ERICA F810  
 RITO 12E7 OF 5F56 RITO 5M2  
 DAM: MURRAY RITO 12E7 L19  
 MURRAY NONE BETTER J89

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$145	+\$124	+\$160	+\$137
Percentile	7	13	11	6



Traits observed: GL,CE,BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** Another well bred heifer by Rennyalea Kodak out of a maiden heifer. She was naturally joined to a bull of our own breeding with high performance, structure and marbling.

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+8.5	+8.2	-5.3	+3.3	+53	+91	+124	+115	+12
Acc	56%	49%	84%	76%	70%	71%	74%	68%	57%
Percentile	11	7	34	26	19	30	22	18	86
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.2	+4.7	+19	+0.69	+73	+5.0	+3.1	+1.9	-0.4	+2.6
42%	64%	56%	55%	65%	62%	66%	64%	64%	62%
9	1	13	97	16	64	1	4	88	22

Purchaser ..... \$ .....

**LOT 75 MURRAY LANDLINK P117<sup>PV</sup> IDENT: NURP117 GRADE: HBR BORN: 27/08/2018**

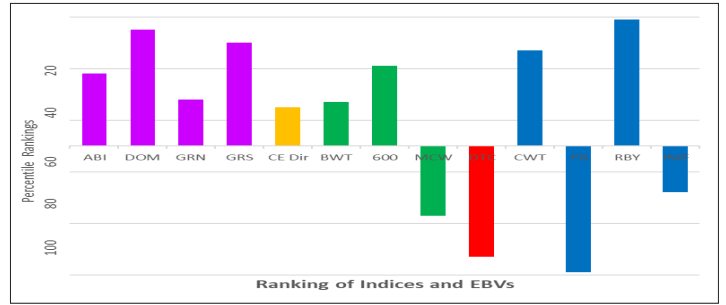
GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA JENKINS J89  
 SIRE: TE MANIA LANDLINK L228  
 TE MANIA MITTAGONG J808  
 RITO 12E7 OF 5F56 RITO 5M2  
 DAM: MURRAY RITO 12E7 L5  
 MURRAY NONE BETTER J89

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$133	+\$130	+\$138	+\$132
Percentile	22	5	32	12

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.6	+5.9	+0.9	+3.7	+54	+97	+126	+85	+27
Acc	52%	46%	64%	71%	64%	65%	63%	62%	55%
Percentile	35	21	99	35	16	15	18	75	1

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-1.8	+2.6	-4	+0.25	+75	+9.9	-3.1	-3.7	+3.0	+1.4
37%	57%	48%	43%	57%	53%	58%	55%	55%	53%
93	18	81	60	13	4	99	99	1	69



Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

**Notes:** P117 has inherited the exceptional growth curve that came with Te Mania Landlink. Her 600 day growth EBV is in the top 20% of the breed and her mature weight EBV is in the bottom 25% of the breed. The mating to our Kodak N70 preserves this relationship.

Purchaser ..... \$ .....

**LOT 76 MURRAY INCENTIVE H107<sup>PV</sup> IDENT: NURH107 GRADE: HBR BORN: 4/09/2012**

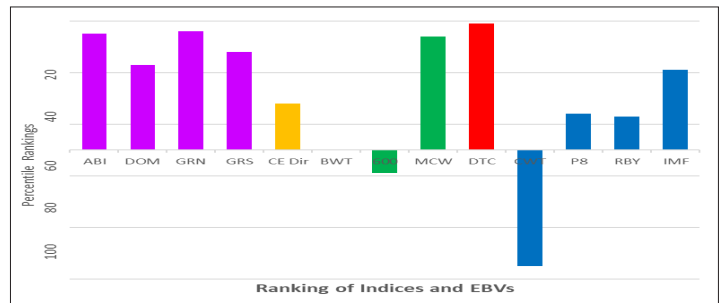
GENETIC STATUS: AMFU,CAFU,DDF,NHFU

S S OBJECTIVE T510 OT26  
 SIRE: CIRCLE A INCENTIVE  
 CIRCLE A BEAUTY 5566  
 TE MANIA BERKLEY B1  
 DAM: MURRAY BERKLEY F11  
 MURRAY 1407 Y6

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$148	+\$122	+\$174	+\$132
Percentile	5	17	4	12

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.9	+6.2	-4.4	+4.3	+43	+79	+109	+129	+11
Acc	64%	57%	78%	83%	77%	77%	79%	79%	72%
Percentile	33	18	49	50	79	75	59	6	93

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-10.2	+2.4	-12	+0.61	+48	+7.9	-0.6	+0.0	+0.8	+2.7
54%	76%	72%	54%	69%	67%	70%	69%	66%	65%
1	25	95	94	95	16	65	36	37	20



Traits observed: BWT,200WT(x2),400WT(x2),600WT(x2),MCW,DTC(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** By a son of SS Objective out of one of the best Berkley daughters we have bred with calving ease, growth and exceptional days to calving coming from both sides of the pedigree.

Purchaser ..... \$ .....

**LOT 77 MURRAY NEW STANDARD K47<sup>PV</sup> IDENT: NURK47 GRADE: HBR BORN: 22/07/2014**

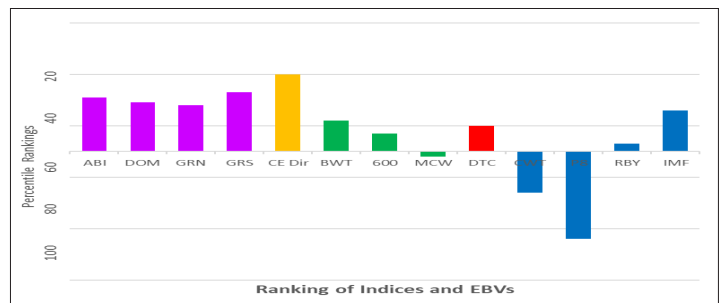
GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

LCC NEW STANDARD  
 SIRE: ALCOA NEW STANDARD 427  
 ALC 5427 OF 5346-OBJECTIVE  
 TE MANIA DEEGAN D309  
 DAM: MURRAY DEEGAN H115  
 MURRAY 1407 A6

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$130	+\$117	+\$139	+\$124
Percentile	27	31	31	27

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+6.6	+7.0	-2.5	+3.8	+51	+85	+115	+96	+19
Acc	58%	49%	85%	78%	72%	72%	75%	77%	65%
Percentile	21	13	80	38	32	53	44	53	30

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.3	-0.4	-13	-0.38	+61	+7.8	-1.8	-1.7	+0.7	+2.2
48%	62%	57%	49%	65%	59%	66%	62%	61%	60%
38	99	95	3	65	17	93	84	42	34



Traits observed: GL,CE,BWT,200WT(x2),400WT,600WT,MCW(x2),DTC(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

**Notes:** Both sides of the pedigree go back to Bon View Bando 1407. She has had four early calves in four years, the first two to a natural joining. Joined to a higher performance bull such as P4 the calf should be in the top 20% of the breed on all indices.

Purchaser ..... \$ .....



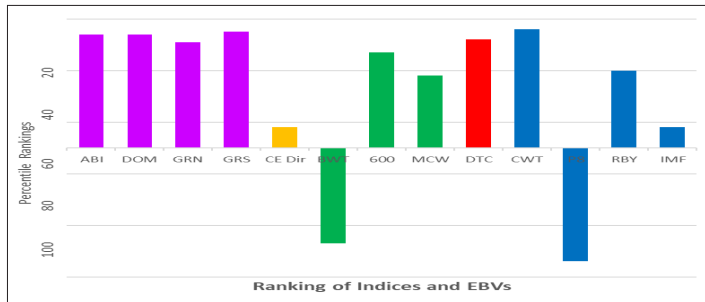
**LOT 78 MURRAY GENERAL N31<sup>PV</sup> IDENT: NURN31 GRADE: HBR BORN: 30/07/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA BERKLEY B1  
 SIRE: AYRVALE GENERAL G18  
 AYRVALE EASE E3  
 PRIME NEW DESIGN A30  
 DAM: PRIME ZANDY E40  
 PRIME ZANDY Z12

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$147	+\$130	+\$163	+\$138
Percentile	6	5	9	5

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.3	+0.3	-3.0	+6.0	+58	+100	+130	+112	+10
Acc	62%	54%	84%	77%	71%	72%	75%	71%	67%
Percentile	44	72	74	87	6	10	13	22	95
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.3	+1.9	-8	+0.21	+82	+9.8	-1.3	-2.5	+1.2	+2.0
47%	65%	58%	53%	66%	62%	67%	65%	64%	63%
8	48	89	55	4	4	85	94	20	42



Traits observed: GL,BWT,200WT(x2),400WT(x2),600WT(x2),Scan(EMA,Rib,Pump,IMF),DOC,Genomics

**Notes:** We bought the mother of this cow, CXBE40, in 2010 and she has to date produced 9 calves and is again pregnant. The father, Ayrvale General, had enough performance to produce this high performing well balanced heifer. She will produce very saleable progeny when suitably mated.

Purchaser ..... \$ .....

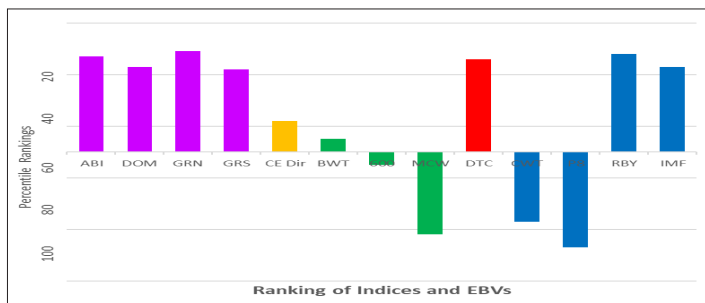
**LOT 79 MURRAY GENERAL P11<sup>PV</sup> IDENT: NURP11 GRADE: HBR BORN: 22/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

AYRVALE GENERAL G18  
 SIRE: ESSLEMONT GENERAL L115  
 ESSLEMONT HAYLEY H4  
 MURRAY UPSHOT H20  
 DAM: MURRAY H20 K127  
 MURRAY DIPLOMAT G115

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$139	+\$123	+\$159	+\$128
Percentile	13	15	11	18

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.2	-1.8	-5.7	+4.1	+46	+83	+111	+82	+18
Acc	53%	47%	84%	73%	66%	67%	65%	64%	56%
Percentile	38	85	27	45	60	64	55	81	34
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.7	+3.0	-5	+0.34	+58	+6.3	-2.1	-1.9	+1.5	+2.8
40%	59%	51%	47%	59%	55%	60%	57%	58%	55%
14	9	82	72	75	39	96	87	12	17



Traits observed: GL,BWT,200WT(x2),400WT,DOC,Genomics

**Notes:** K127 had 3 calves in our system and then was sold as a pregnant, registered cow. Esslemont General had a number of attractions for us, an exceptional growth curve and high fertility despite the low fat EBVs. We have intentionally joined P11 to our bull, Murray General P4, that is also by Esslemont General. We wanted to lock in the combination of fertility and leanness with a reasonable level of IMF%.

Purchaser ..... \$ .....

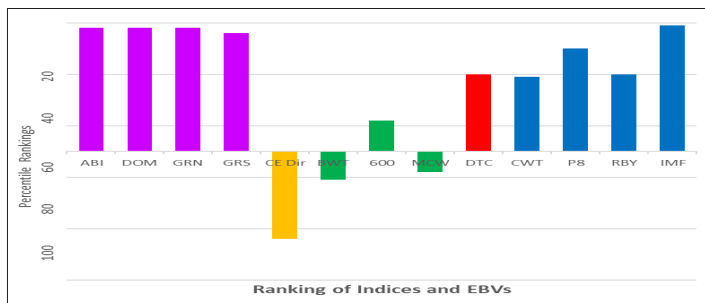
**LOT 80 MURRAY LOTTO P175<sup>PV</sup> IDENT: NURP175 GRADE: HBR BORN: 13/07/2018**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

AYRVALE GENERAL G18  
 SIRE: ESSLEMONT LOTTO L3  
 ESSLEMONT JENNY J8  
 GARDENS WAVE  
 DAM: MURRAY WAVE J43  
 TE MANIA QUEANBEYAN D113

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$156	+\$135	+\$183	+\$140
Percentile	2	2	2	4

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-3.4	-1.4	-5.5	+4.7	+56	+95	+117	+93	+22
Acc	61%	54%	69%	73%	72%	71%	72%	68%	62%
Percentile	84	83	30	61	9	19	38	60	9
DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.3	+3.8	+12	+0.82	+72	+12.6	+0.6	+1.2	+1.2	+4.3
43%	68%	64%	58%	67%	66%	69%	66%	67%	65%
20	2	28	99	21	1	24	10	20	1



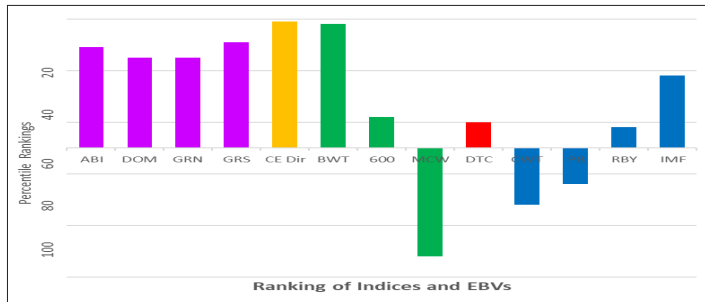
Traits observed: BWT,200WT(x2),400WT,DOC,Genomics

**Notes:** Esslemont Lotto is a bull that has been used extensively and has bred very well in a number of herds. J43 is one of the soundest cows we have bred. Ayrvale General appears in both the mother and father's pedigrees. This cow's calf is expected to be a high indexing animal.

Purchaser ..... \$ .....

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

AYRVALE GENERAL G18  
 SIRE: ESSELMONT GENERAL L115  
 ESSELMONT HAYLEY H4  
 PA POWER TOOL 9108  
 DAM: MURRAY POWER TOOL K41  
 MURRAY DEEGAN H57



Traits observed: GL,BWT,200WT(x2),400WT,DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+\$142	+\$123	+\$155	+\$135
Percentile	10	15	14	8

MID FEBRUARY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
Angus	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+12.6	+7.7	-5.7	+0.8	+44	+84	+117	+72	+25
Acc	55%	49%	84%	73%	66%	67%	67%	65%	58%
Percentile	1	9	27	2	73	59	39	92	3

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.3	+2.1	+3	+0.71	+59	+7.4	-0.7	-0.8	+0.7	+2.6
43%	60%	53%	49%	61%	57%	62%	59%	60%	57%
38	38	59	97	72	22	68	61	42	22

**Notes:** K41 inherited the best attributes of P A Power Tool, extreme calving ease and very low mature weight. The mating to Longshot adds growth and IMF%. The end product is a high indexing animal that is not extreme in any way.

Purchaser ..... \$ .....



# JOINING SIRE BREEDPLAN EBV SUMMARY

## GREEN, BLUE, RED AND BLACK

We use Green, Red, Blue and Black in the following table to indicate where these cows are relative to the Angus breed.

**INDICES** are shaded with the **black** numbers in the top half (**50%**) of the breed. The **red** figures are in the top **20%** of the breed. The **blue** figures are in the top **5%** of the breed. The **green** figures are in the top 1% of the breed.

**EBVs** are shaded with the **red** numbers in the top half (**50%**) of the breed. The **blue** figures are in the top **25%** of the breed and the **green** figures are in the top **10%** of the breed. In both cases the unshaded (plain black) numbers are in the bottom half of the breed.

We show all four \$indices but only those EBVs that we believe to be economically the most important. In addition we show the birthweight EBV since some people see it as a more accurate predictor of calving ease than the calving ease EBV.

The Indices and EBVs for the bulls were extracted from information derived from an Angus Database Search between January 30 and February 10, 2020.

ID	Name	Register	Sire Ident	Dam Ident	ABI	DOM	\$Index GRN	GRS	Calv. Ease Dir	Birth Weight	600	Growth MCW	Fertility DTC	CWT	P8	RBY	IMF
<b>NORH708</b>	RENNYLEA H708 PV Rennylea H708 was progeny tested in cohort 5 of the ASBP. His progeny scored very highly on carcass attributes. His IMF% EBV is in the top 1% of the breed and he has a very high retail yield. This combination of extreme IMF% and high retail yield is a valuable contrast to our El Grando that is profiled below.	APR	NORC511	NORE176	158	134	206	135	-8.0	4.8	130	108	-3.3	73	-4.7	2.2	5.0
<b>NORK522</b>	RENNYLEA KODAK K522 SV Kodak has a combination of IMF% and calving ease with adequate growth. His days to calving EBV is very impressive and influenced our decision to use him. He has been very useful over some of our cows with bigger birthweights. We examined him as a young bull and were happy to use him in our breeding programme. We have been very happy with his progeny and in particular we think his daughters could be an asset to any breeding programme. He was progeny tested in cohort 7 of the ASBP.	HBR	NORE11	NORF810	159	130	190	141	12.3	1.6	120	120	-9.0	66	1.7	-0.7	3.9
<b>NURN68</b>	MURRAY PROCEED N68 PV For a long time HPCA Proceed was the highest marbling bull in the United States and we saw him as a way to access some outcross marbling genetics. We joined him to J105 (lot 5 in the catalogue) in 2016. One of the resulting calves, Murray Proceed N68, has provided the lift in IMF% and in growth that we wanted and has moderated birthweight to a point where we have used him over maiden heifers. We used him as a yearling bull and again lightly last year.	HBR	USA16956101	NURJ105	163	130	200	143	0.3	5.4	133	117	-7.7	76	-0.1	0.1	4.4
<b>NURN70</b>	MURRAY KODAK N70 PV We have been very pleased with the performance of this son of Kodak. He is being tested in cohort 10 of the ASBP and he will have performance tested carcass progeny in the next few years. His EBVs suggest that he will breed steers with a high retail beef yield and it will be interesting to see if this is borne out in practice. He is a very sound bull with moderate frame.	HBR	NORK522	NURJ53	158	133	184	143	4.9	3.8	124	125	-8.7	74	-1.0	1.9	2.7
The EBVs in this table are from the TransTasman Angus Cattle Evaluation - Mid February 2020																	
	Top 1%				159	136	187	147									
	Top 5%				148	130	170	138									
	Top 10%				134	121	149	127	8.7	2.2	132	122	-7.1	76	1.2	1.6	3.2
	Top 20%								6.1	3.2	122	110	-6.0	70	0.4	1.1	2.5
	Top 25%								2.6	4.3	112	97	-4.8	64	-0.4	0.6	1.8
	Top 50%				119	112	125	116									

ID	Name	Register	Sire Ident	Dam Ident	ABI	DOM	\$Index	GRN	GRS	Calv. Ease Dir	Birth Weight	Growth 600	MCW	DTC	CWT	P8	RBY	IMF	
<b>NURP4</b>	MURRAY GENERAL P4 PV	HBR	WWEL115	NURH99	179	150	207	162	5.0	4.2	136	97	-8.3	77	-1.7	1.8	3.1		
	General P4 was the (equal) highest priced bull sold at our 2019 bull sale. We retained semen and used it selectively in our 2019 joining. He is a well structured bull that meets all the criteria that we have set for our breeding programme. All indices are in the top 1% of the breed. He has a good combination of calving ease, 600 day growth and low mature weight. Days to calving is in the top 10% of the breed. The combination of yield and marbling is where we want it.																		
<b>NURP10</b>	MURRAY MARBLE BAR P10 (REI)	HBR	NJWJ53	NURL153	116	117	119	113	11.5	0.1	98	88	-6.6	51	-0.4	0.5	1.6		
	This red bull, Murray Marble Bar P10, was used as a back up to the AI programme for the red animals. One of the cows offered, lot 41, NURN79, is believed to be pregnant to this young bull.																		
<b>NURP92</b>	MURRAY LONGSHOT P92 PV	HBR	VTML107	NURM81	162	136	193	147	11.4	0.3	130	83	-6.8	77	-1.0	-0.9	4.4		
	P92 is a Prophet grandson from a well bred Kilburnie maiden heifer. He was our pick of the yearling bulls to use over our heifers. The growth curve with exceptional calving ease and low mature weight were big factors in our decision. We are pushing more marbling into our herd and it was advantageous to have a bull with his level of IMF%.																		
<b>QMUM13</b>	CLUNES CROSSING DUSTY M13	HBR	USA16295688	QMUG1	186	161	212	171	5.6	5.7	143	107	-8.8	87	-1.7	2.4	2.7		
	Dusty is a Prophet son from a Berkeley daughter. He has a very powerful set of index numbers and we were attracted by his growth and low mature weight. His days to calving fits with our requirements and the combination of IMF% and retail beef yield is very satisfactory. He is being tested in cohort 10 of the ASBP so his progeny will in due course have greater accuracy. You will then be able to make better selection decisions.																		
<b>USA17354047</b>	G A R SCALE HOUSE PV	HBR	USA14777016	USA16496696	174	153	201	161	-0.6	4.9	156	132	-5.5	86	-3.6	2.9	2.6		
	Gardiner Angus Ranch is one of the largest producers of high performance Angus cattle in the United States. We, in Australia, are fortunate to be able to purchase semen from some of their leading animals. Scale House and Phoenix are two bulls which we think have the growth to suit the Australian market for longer fed cattle. Additionally they have good combinations of IMF% and yield. We have calves on the ground by Scale House and at this stage we are pleased with their appearance and performance.																		
<b>USA18636106</b>	G A R PHOENIX PV	HBR	USA17328461	USA18127279	194	165	224	176	4.7	3.8	157	138	-9.2	95	-0.7	1.6	3.1		
	Phoenix has a remarkable set of EBVs. He is a son of Sure Fire (see below) and a Prophet daughter. Our only concern with him is that, like the majority of bulls that we can access through semen, he does not have structural EBVs. These will emerge in time and you will then be able to make the appropriate matings to correct for any weaknesses.																		
<b>USA17328461</b>	G A R SURE FIRE SV	HBR	USA16205036	USA16431932	163	144	186	147	7.5	2.2	110	98	-10.2	66	0.5	1.6	2.9		
	We have been pleased with the Sure Fire calves that we have bred and used one (NURN44) in our 2018 joining. We used him lightly in our 2019 joining as we believe that for our purposes he has been superseded by Phoenix and Scale House.																		
<b>VTMM1425</b>	TE MANIA MORELL M1425 PV	HBR	HIOE7	VTMJ124	165	141	195	149	11.9	2.8	138	124	-6.8	78	-1.7	0.3	3.7		
	Morell is a very high indexing son of Ayrvale Bartel. As such he is a calving ease bull with more than adequate growth, good carcass weight, fertility and marbling. He carries a red gene and for that reason we used him over some of our red cows. We have red weaner heifer daughters of his that will be offered for sale within the next twelve months.																		
<b>VTMN1396</b>	TE MANIA NOCTON N1396 PV	HBR	VTMK352	VTME63	163	135	199	143	9.2	5.0	132	137	-8.9	79	0.2	-0.9	4.0		
	Nocton has a combination of IMF% and calving ease. He was selected in part for his visual appeal. As with Te Mania Norvel it was important for us to have structural EBVs to provide a firm basis for our mating decisions.																		
<b>VTMN1589</b>	TE MANIA NORVEL N1589 PV	HBR	VTMJ678	VTMG694	153	125	176	141	5.5	3.6	132	112	-6.5	82	-1.7	1.2	2.7		
	Norvel was selected in part as an outcross bull in our herd. He has the attributes that we are looking for in our animals and should provide you with calves that fit the Kilburnie mould of moderate mature size, calving ease and growth combined with fertility, carcass weight, yield and quality.																		
<b>NURG20</b>	MURRAY EL GRANDO G20 SV	HBR	USA13058662	VTMD113	164	136	199	147	-10.7	7.5	154	146	-4.6	94	-5.0	4.2	2.9		
	Murray El Grando, NURG20, does not have any progeny in this catalogue. However he appears in a number of the pedigrees of the animals being offered for sale. The reason for our continued use of him has been his unusual combination of marbling and retail beef yield. He was progeny tested in cohort 3 of the ASBP and his EBVs for these traits are highly accurate. His sons, particularly J136, and his daughters, particularly J105, have allowed us to lock these traits into the animals being offered for sale here. There is only a handful of bulls with the same combination of accuracy and high EBVs for both IMF% and retail beef yield. Rennylea H708 is another one of these exceptional animals. Other bulls that we have used and that fall into this category include Esslemont Lotto, G A R Twinhearts and G A R Sure Fire. G A R Scale House and G A R Phoenix have the combination of EBVs but do not as yet have the same degree of accuracy.																		
The EBVs in this table are from																			
the TransTasman Angus Cattle Evaluation -																			
Mid February 2020																			
	Top 1%		159	136	187	147													
	Top 5%		148	130	170	138													
	Top 10%		134	121	149	127			8.7	2.2	132	122	-7.1	76	1.2	1.6	3.2		
	Top 20%		119	112	125	116			6.1	3.2	122	110	-6.0	70	0.4	1.1	2.5		
	Top 50%		119	112	125	116			2.6	4.3	112	97	-4.8	64	-0.4	0.6	1.8		

# UNDERSTANDING THE TRANSTASMAN ANGUS CATTLE EVALUATION (TACE)

## What is the TransTasman Angus Cattle Evaluation?

The TransTasman Angus Cattle Evaluation (TACE) is the genetic evaluation program adopted by Angus Australia for Angus and Angus infused beef cattle. TACE uses Best Linear Unbiased Prediction (BLUP) technology to produce Estimated Breeding Values (EBVs) of recorded cattle for a range of important production traits (e.g. weight, carcase, fertility).

TACE includes pedigree, performance and genomic information from the Angus Australia and New Zealand Angus Association databases to evaluate the genetics of animals across Australia and New Zealand.

TACE analyses are conducted by the Agricultural Business Research Institute (ABRI), using beef genetic evaluation software developed by the Animal Genetics and Breeding Unit (AGBU), a joint institute of NSW Agriculture and the University of New England, and Meat and Livestock Australia Limited (MLA).

## What is an EBV?

An animal's breeding value can be defined as its genetic merit for each trait. While it is not possible to determine an animal's true breeding value, it is possible to estimate it. These estimates of an animal's true breeding value are called EBVs (Estimated Breeding Values).

EBVs are expressed as the difference between an individual animal's genetics and a historical genetic level (i.e. group of animals) within the TACE genetic evaluation, and are reported in the units in which the measurements are taken.

## Using EBVs to Compare the Genetics of Two Animals

TACE EBVs can be used to estimate the expected difference in the genetics of two animals, with the expected difference equating to half the difference in the EBVs of the animals, all other things being equal (e.g. they are joined to the same animal/s).

For example, a bull with a 200 Day Growth EBV of +60 would be expected to produce progeny that are, on average, 10 kg heavier at 200 days of age than a bull with a 200 Day Growth EBV of +40 kg (i.e. 20 kg difference between the sire's EBVs, then halved as the sire only contributes half the genetics).

Or similarly, a bull with an IMF EBV of +3.0 would be expected to produce progeny with on average, 1% more intramuscular fat in a 400 kg carcase than a bull with a IMF EBV of +1.0 (i.e. 2% difference between the sire's EBVs, then halved as the sire only contributes half the genetics).

## Using EBVs to Benchmark an Animal's Genetics with the Breed

EBVs can also be used to benchmark an animal's genetics relative to the genetics of other Angus or Angus infused animals in Australia and New Zealand.

To benchmark an animal's genetics relative to other Angus animals, an animal's EBV can be compared to the EBV reference tables, which provide:

- the breed average EBV
- the percentile bands table

The current breed average EBV is listed on the bottom of each page in this publication, while the current EBV reference tables are included at the end of these introductory notes.

For easy reference, the percentile band in which an animal's EBV ranks is also published in association with the EBV.

## Considering Accuracy

An accuracy value is published with each EBV, and is usually displayed as a percentage value immediately below the EBV.

The accuracy value provides an indication of the reliability of the EBV in estimating the animal's genetics (or true breeding value), and is an indication of the amount of information that has been used in the calculation of the EBV.

EBVs with accuracy values below 50% should be considered as preliminary or of low accuracy, 50-74% as of medium accuracy, 75-90% of medium to high accuracy, and 90% or greater as high accuracy.

## Description of TACE EBVs

EBVs are calculated for a range of traits within TACE, covering calving ease, growth, fertility, maternal performance, carcase merit, feed efficiency and structural soundness. A description of each EBV included in this publication is provided on the following pages.

# UNDERSTANDING ESTIMATED BREEDING VALUES (EBVS)

BIRTH			
<b>Calving Ease Direct</b>	%	Genetic differences in the ability of a sire's calves to be born unassisted from 2 year old heifers.	Higher EBVs indicate fewer calving difficulties in 2 year old heifers.
<b>Calving Ease Daughters</b>	%	Genetic differences in the ability of a sire's daughters to calve unassisted at 2 years of age.	Higher EBVs indicate fewer calving difficulties in 2 year old heifers.
<b>Gestation Length</b>	days	Genetic differences between animals in the length of time from the date of conception to the birth of the calf.	Lower EBVs indicate shorter gestation length.
<b>Birth Weight</b>	kg	Genetic differences between animals in calf weight at birth.	Lower EBVs indicate lighter birth weight.
GROWTH			
<b>200 Day Growth</b>	kg	Genetic differences between animals in live weight at 200 days of age due to genetics for growth.	Higher EBVs indicate heavier live weight.
<b>400 Day Weight</b>	kg	Genetic differences between animals in live weight at 400 days of age.	Higher EBVs indicate heavier live weight.
<b>600 Day Weight</b>	kg	Genetic differences between animals in live weight at 600 days of age.	Higher EBVs indicate heavier live weight.
<b>Mature Cow Weight</b>	kg	Genetic differences between animals in live weight of cows at 5 years of age.	Higher EBVs indicate heavier mature weight.
<b>Milk</b>	kg	Genetic differences between animals in live weight at 200 days of age due to the maternal contribution of its dam.	Higher EBVs indicate heavier live weight.
FERTILITY			
<b>Days to Calving</b>	days	Genetic differences between animals in the time from the start of the joining period (i.e. when the female is introduced to a bull) until subsequent calving.	Lower EBVs indicate shorter time to calving.
<b>Scrotal Size</b>	cm	Genetic differences between animals in scrotal circumference at 400 days of age.	Higher EBVs indicate larger scrotal circumference.
CARCASE			
<b>Carcase Weight</b>	kg	Genetic differences between animals in hot standard carcase weight at 750 days of age.	Higher EBVs indicate heavier carcase weight.
<b>Eye Muscle Area</b>	cm <sup>2</sup>	Genetic differences between animals in eye muscle area at the 12/13th rib site in a 400 kg carcase.	Higher EBVs indicate larger eye muscle area.
<b>Rib Fat</b>	mm	Genetic differences between animals in fat depth at the 12/13th rib site in a 400 kg carcase.	Higher EBVs indicate more fat.
<b>Rump Fat</b>	mm	Genetic differences between animals in fat depth at the P8 rump site in a 400 kg carcase.	Higher EBVs indicate more fat.
<b>Retail Beef Yield</b>	%	Genetic differences between animals in boned out saleable meat from a 400 kg carcase.	Higher EBVs indicate higher yield.
<b>Intramuscular Fat</b>	%	Genetic differences between animals in intramuscular fat (marbling) at the 12/13th rib site in a 400 kg carcase.	Higher EBVs indicate more intramuscular fat.

FEED EFFICIENCY			
<b>Net Feed Intake (Feedlot)</b>	kg/day	Genetic differences between animals in feed intake at a standard weight and rate of weight gain when animals are in a feedlot finishing phase.	Lower EBVs indicate more feed efficiency.
TEMPERAMENT			
<b>Docility</b>	%	Genetic differences between animals in temperament.	Higher EBVs indicate better temperament.
STRUCTURE			
<b>Front Feet Angle</b>	%	Genetic differences between animals in desirable front feet angle (strength of pastern, depth of heel).	Higher EBVs indicate more desirable structure.
<b>Front Feet Claw Set</b>	%	Genetic differences between animals in desirable front feet claw set structure (shape and evenness of claw).	Higher EBVs indicate more desirable structure.
<b>Rear Feet Angle</b>	%	Genetic differences between animals in desirable rear feet angle (strength of pastern, depth of heel).	Higher EBVs indicate more desirable structure.
<b>Rear Leg Hind View</b>	%	Genetic differences between animals in desirable rear leg structure when viewed from behind.	Higher EBVs indicate more desirable structure.
<b>Rear Leg Side View</b>	%	Genetic differences between animals in desirable rear leg structure when viewed from the side.	Higher EBVs indicate more desirable structure.
SELECTION INDEXES			
<b>Angus Breeding Index</b>	\$	Genetic differences between animals in net profitability per cow joined in a typical commercial self replacing herd using Angus bulls. This selection index is not specific to a particular production system or market end-point, but identifies animals that will improve overall profitability in the majority of commercial grass and grain finishing beef production systems.	Higher selection index values indicate greater profitability.
<b>Domestic Index</b>	\$	Genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting the domestic supermarket trade.	Higher selection index values indicate greater profitability.
<b>Heavy Grain Index</b>	\$	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.	Higher selection index values indicate greater profitability.
<b>Heavy Grass Index</b>	\$	Genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting pasture finished steers.	Higher selection index values indicate greater profitability.





# KILBURNIE ANGUS



## HEALTH STATUS

### **Straban has J-Bas 7 rating.**

We will provide all purchasers of animals with a National Cattle Health Declaration. Some of the animals being offered for sale spent part of their early lives on properties other than Straban. We have National Health Declarations for all these animals for the period prior to being on Straban.

## DATA SOURCES

The information on animals in the two summary tables on pages 8 to 19 and pages 49 to 50 is based on information extracted by us from the Angus Database on February 6, 2020. That information has been manipulated by us in order to present it in a way which we think is most helpful to you. EBVs were taken directly from that source and we chose only to show what we believe to be the most economically important EBVs. The colour coding in these tables was made by us.

Note that we show estimates from the Angus Mating Predictor of the index values and EBVs of the progeny of the matings that we believe took place. We do not know with absolute certainty which bull has fathered the pregnancy of any cow. As noted on the table on page 8 we have made a best guess of which bull is most likely to be the putative father of any calf based on our mating records and the estimated age of the foetuses at pregnancy testing on January 29, 2020.

The information on lots 1 to 16, 25 to 57 and 67 to 81 was derived from a Data Extract from the Angus Society on February 17, 2020. The information associated with the recipient cows, lots 17 to 24 and 58 to 67, is based on the Mating Predictor as applied to the embryo that was implanted in the cow.

Please note that we parent verify all our animals. We recommend that you do the same.

## PARENT VERIFICATION

For a number of years we have had all animals born into the herd 50k tested and parent verified. Six of the animals being sold as recipients have not been verified to either parent. Ten animals have been sire (but not dam) verified, four of these are recipients. All other animals have been parent (sire and dam) verified.

## DISCLAIMER

Animal details included in this catalogue, including but not limited to pedigree, DNA information, Estimated Breeding Values (EBVs) and Index values, are based on information provided by the breeder or owner of the animal.

While all reasonable care has been taken to ensure that the information provided in this catalogue was correct at the time of publication, neither the vendor, Angus Australia nor the selling agents assume any responsibility for the accuracy or the completeness of the information, nor the outcome (including consequential loss) of any action based on this information.

# KILBURNIE ANGUS



## SOME FINAL THOUGHTS ....

For the last ten years Andy and Jo Burwell have managed Straban. Without their help and assistance this operation could not have survived and we are very grateful to them for their efforts which went well beyond the call of duty. In particular, the last five years have been very trying for all livestock producers on the Northern Tablelands. Andy has dealt with these issues on a day to day basis and his dedication is greatly appreciated.

We worked particularly closely with two local producers, Jo Bacon and Joanne Gowen. This allowed us to get valuable feedback on the performance of our animals as they used our bulls and recorded progeny through Breedplan. We are grateful to them for their co-operation.

The Angus Society provides a solid foundation for performance recording of our animals. We have had a long relationship with many of the office staff and we appreciate their help and assistance. In recent years most direct contact has been with Andrew Byrne and Christian Duff. Working with Christian on the ASBP Advisory Committee has been a particular pleasure.

We have appreciated the specialist services provided by many people. Mick Duncan first assisted us at Kelly's Plains and continues to provide us with advice on matters agronomic. He introduced us to Bruce Coxhead. Bruce, and now his son Ben, have always helped us find feed when it was scarce. Kristy Champion has been producing catalogues for us for at least the last twenty years. Jo Bacon has provided us with veterinary services and guidance on animal health matters for even more years impressing us with her unfailingly cheerful approach to life. Roger Evans (structural assessment and scanning) and Doug Fowler (ultrasound pregnancy testing and foetal ageing) have provided technical assistance over many years. Recently Udo Mahne has helped us directly with our embryo programmes and with many other areas of bovine reproduction. Lachlan Ayoub at Zoetis helped guide us through the genomic revolution and the ins and outs of 50k chips. Dave Healey has helped with a number of photographic and information technology matters over latter years. Landmark Boultons have run all our on-property sales at Straban and we have worked closely with Bruce Rutherford and Simon Newton over the years.

Breeding 'better' animals and plants has always been a fascination. Changes in our understanding of Heritability, Genomics and Information Processing provide challenges for all animal and plant breeders. The most important task in any seedstock operation is to take decisions about the mating of animals. We can use new ideas and technologies to make better decisions. Brian Kinghorn created the earliest form of Matesel and has controlled its evolution into a very sophisticated decision support system. We are very grateful to Brian for sharing his deep understanding of the details of mate selection with us. It has been especially interesting and valuable to be able to access the most recent advanced form of Matesel. Thank you, Brian.

Last, but not least, we recall the many people whom we have bought from or sold animals to and with whom we have had many conversations about animals. Without you our farming endeavours would not have succeeded but, more importantly, we have enjoyed your friendship, often over many long years. Thank you.

# KILBURNIE ANGUS



## INSURANCE

There will be facilities at the sale to insure your bulls.

## TRANSPORT

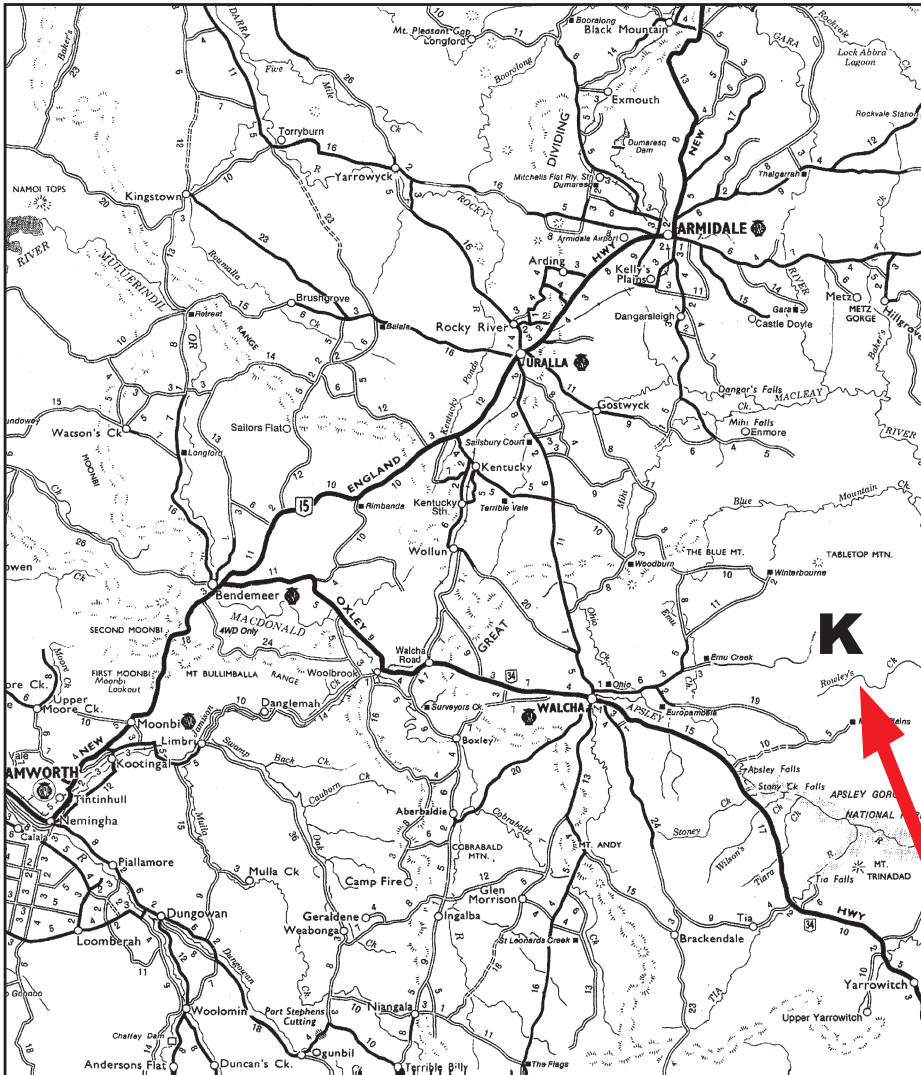
Carriers may be present at the sale. Andy Burwell will be co-ordinating deliveries from Straban.

## REFRESHMENTS

Light refreshments and a barbecue will be available at the sale.

## DIRECTIONS TO STRABAN

The Kilburnie Sale at Straban is located at the K on the map below. Travel north out of Walcha on the Uralla/Armidale road (or south from Uralla on the same road) and turn right (left) at the signpost just north of the Showground. This is Jamison Street which becomes the Winterbourne Road. Go out on this road, past the old Timber mill, for about seven and a half kilometres to the Moona Plains Road junction. At that Y junction keep left (stay on the Winterbourne Road). One and a half kilometres from there turn right into the Old Brookmount Road (which has a gravel surface). Go past Brookmount and Emu Creek sheds and houses and keep travelling for about twelve kilometres to Straban. After passing the new set of cattle yards on Straban, on your right, follow the road to the right and proceed to the shearing shed on the hill beyond the blue painted house.



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The map on our website [www.kilburnieangus.com.au](http://www.kilburnieangus.com.au) is an interactive Google map. It may help you to locate us.

**Straban**

# KILBURNIE ANGUS



**KILBURNIE ANGUS**



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