AngusSire™
Benchmarking Program

PROGENY PERFORMANCE REPORT

COHORT 11

Angus Sire Benchmarking Program

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

The major objectives of the ASBP include:
1. Generate progeny test data on modern Angus bulls, particularly for hard to measure traits such as feed efficiency, abattoir carcase measurement, meat quality attributes & female reproduction.
2. Generate data for the validation & refinement of Trans-Tasman Angus Cattle Evaluation.
3. Build a comprehensive phenotype and genotype database on Australian Angus for genomic technology validation, research and development.

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

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

ASBP Progeny Performance Report

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

1. **Trans-Tasman Angus Cattle Evaluation (TACE) Sire Listing** – The first section includes the Angus EBVs and Selection Indexes from the noted monthly analysis.
   For selection purposes it is strongly advised that the EBVs and selection indexes be used primarily. *They are the highest accuracy information to use in selection as they take into account all available industry data including the data generated from the ASBP. They also account for information from all known relatives and genetic correlations between traits as well as being able to be compared across cohorts and the Angus population.*

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

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

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

Further information on the ASBP is listed on the Angus Australia website www.angusaustralia.com.au

UNDERSTANDING THE ASBP SIRE LISTING - TACE EBVs and SELECTION INDEXES

Ident / Sire Dam / Reg.	Name	Num Herd	Prog	Prog 2Yr.	Calv-Ease Dir	Calv-Ease Dtrs	Birth GL	Birth BW	Growth 200	Growth 400	Growth 600	Growth MCW	Growth Milk	Fert SS	Fert DC	Carcase CW	Carcase EMA	Carcase Rib	Carcase P8	Carcase RBY	Carcase IMF	Feed NFI-F	Temp Doc	Structural Angle	Structural Claw	Selection Index $A	Selection Index $A-L
USA17960722	BALDRIDGE BEAST MODE B074	185	3903	2115	+7.0	+6.0	-3.6	+3.5	+74	+121	+150	+121	+13	+2.7	-5.8	+77	+5.2	-1.2	-2.3	+1.0	+2.6	+0.15	+21	+0.52	+0.56	$303	$494
USA16295688	HBR				91%	74%	99%	99%	98%	99%	98%	94%	91%	98%	59%	89%	90%	90%	87%	85%	88%	74%	98%	97%	97%		
USA17149410					15	19	65	34	1	1	3	14	79	19	28	12	60	82	91	28	25	47	9	1	6	1	1

Animal Details

Ident: Animal ident
Name: Animal name
Sire: Ident of animal's sire
Dam: Ident of animal's dam
Reg.: Registration status
Num Herd: Number of herds in which the animal has progeny recorded with Angus Australia
Prog: Number of progeny recorded with Angus Australia
Prog 2Yr: Number of progeny recorded with Angus Australia that are born in the past 2 years

EBVs & Selection Indexes

Dir — Calving Ease Direct
Dtrs — Calving Ease Daughters
GL — Gestation Length
BW — Birth Weight
200 — 200 Day Growth
400 — 400 Day Weight
600 — 600 Day Weight
MCW — Mature Cow Weight
Milk — Milk
SS — Scrotal Size
DC — Days to Calving
CW — Carcase Weight
EMA — Eye Muscle Area
RIB — Rib Fat
P8 — Rump Fat
RBY — Retail Beef Yield
IMF — Intramuscular Fat
NFI-F — Net Feed Intake (Feedlot)
DOC — Docility
Angle — Foot Angle
Claw — Claw Set
$A — Angus Breeding Index
$A-L — Angus Breeding Low Feed Cost Index

For each EBV, the EBV is published on the top row, followed by the accuracy of the EBV on the second row, followed by the percentile band in which the EBV ranks on the bottom row. For each selection index, the selection index is published on the top row, with the percentile band in which the selection index ranks on the bottom row. Accuracy values are not published for selection indexes.

Estimated Breeding Values

Ident / Sire / Dam	Name / Reg.	Num Herd	Prog	Prog 2Yr.	Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Angle	Claw	$A	$A-L
					Calv-Ease		Birth		Growth					Fert		Carcase						Feed	Temp	Structural		Selection Index	
NBNN239	**BEN NEVIS NEWSFLASH N239** PV	16	316	214	+0.9	+6.6	-5.6	+4.4	+57	+100	+131	+119	+23	+0.8	-3.2	+76	+6.5	-0.5	-0.8	+0.5	+1.9	+0.15	+2	+1.10	+0.98	$207	$365
USA16956101	HBR				74%	60%	97%	97%	94%	93%	94%	89%	79%	87%	50%	79%	79%	81%	79%	76%	78%	64%	88%	84%	85%		
NBNH215					65	15	34	57	17	20	20	20	10	91	74	20	42	63	60	49	54	46	69	77	75	39	31
NGXP212	**BONGONGO P212** SV	8	83	69	+5.2	+10.1	-7.5	+2.8	+50	+94	+119	+103	+24	+3.9	-9.5	+70	+4.4	+3.2	+4.1	-2.1	+3.4	+0.74	-6	+0.90	+0.86	$229	$405
NORL508	HBR				70%	58%	93%	93%	89%	86%	85%	80%	70%	73%	48%	76%	74%	78%	76%	74%	74%	62%	81%	69%	69%		
NGXL13					29	1	12	21	45	35	44	45	9	4	2	37	76	2	1	99	10	96	87	30	52	19	10
NGXP421	**BONGONGO P421** SV	8	36	36	+10.1	+7.8	-6.9	+1.7	+54	+92	+118	+72	+24	+2.6	-7.8	+64	+11.5	+2.6	+2.0	-0.1	+2.7	+1.00	+6	+1.02	+1.08	$285	$435
USA18229425	APR				69%	56%	92%	90%	85%	81%	80%	77%	68%	72%	44%	73%	68%	72%	70%	69%	67%	58%	76%	70%	70%		
NGXM413					3	7	18	8	29	40	47	91	7	26	8	60	3	4	7	73	26	99	56	60	88	1	3
NGMP96	**BOOROOMOOKA PARAGON P96** PV	8	267	267	+0.1	+2.0	-7.5	+3.6	+57	+112	+154	+132	+30	+3.2	-7.0	+97	+9.6	-1.8	-1.7	+1.9	+2.9	+0.48	+18	+0.98	+1.00	$248	$429
WWEL3	HBR				78%	63%	97%	97%	93%	90%	86%	80%	72%	86%	51%	78%	70%	75%	72%	72%	70%	64%	94%	78%	78%		
NGMM566					70	60	12	37	16	5	3	9	1	12	14	1	9	91	81	8	20	83	19	50	79	8	4
NGMP22	**BOOROOMOOKA PRESIDENT P22** PV	6	119	119	+0.1	-0.2	-7.4	+4.6	+54	+101	+136	+118	+23	+2.1	-8.6	+75	+7.9	+0.7	+0.1	+0.5	+3.0	+0.37	+0	+0.66	+0.42	$234	$401
NGMK9	HBR				69%	56%	96%	94%	89%	82%	81%	78%	68%	71%	45%	74%	66%	72%	68%	69%	66%	58%	90%	69%	69%		
NGMK640					70	77	13	61	26	17	14	21	13	45	4	21	23	29	36	49	18	73	73	2	1	15	11
BONQ007	**BRIDGEWATER QUANTUM Q007** PV	5	42	42	-1.2	-0.7	-6.2	+5.3	+63	+100	+128	+101	+25	+0.7	-9.5	+81	+8.3	+0.9	-1.2	+0.5	+3.0	+0.22	+16	+0.86	+1.04	$275	$422
QMUM13	HBR				68%	58%	92%	90%	84%	79%	79%	76%	68%	69%	44%	72%	65%	70%	67%	66%	65%	60%	82%	70%	70%		
HIOL28					78	81	26	76	4	19	25	48	5	93	2	9	19	24	70	49	18	55	23	22	84	2	5
NBHP392	**CLUNIE RANGE PLANTATION P392** SV	39	321	321	+7.9	+5.1	-6.5	+3.2	+67	+116	+140	+100	+23	+4.3	-6.7	+73	+3.0	+0.0	+0.4	+0.0	+3.0	+0.13	+4	+0.88	+0.50	$299	$476
USA17960722	HBR				74%	58%	98%	97%	93%	84%	85%	79%	69%	79%	46%	75%	69%	72%	70%	69%	67%	59%	89%	71%	71%		
NBHM516					11	28	22	29	2	3	10	49	10	2	17	28	91	48	29	69	18	44	63	26	3	1	1
USA16198796	**EF COMPLEMENT 8088** PV	229	5296	177	+5.9	+9.8	-5.4	+2.9	+52	+97	+129	+96	+23	+1.2	-4.7	+75	+8.3	+0.9	+1.6	-0.2	+1.9	+0.81	+8	+1.32	+0.96	$234	$394
USA14686137	HBR				98%	92%	99%	99%	99%	99%	99%	98%	99%	99%	88%	97%	97%	97%	97%	96%	96%	93%	99%	99%	99%		
USA15452880					24	2	37	23	36	27	23	58	12	82	48	21	19	24	10	76	54	97	49	98	72	15	14
WWEQ15	**ESSLEMONT GARTH Q15** PV	5	28	28	-0.6	+4.5	-10.1	+5.7	+61	+106	+144	+131	+27	+2.7	-7.4	+69	+9.1	-2.5	-3.0	+2.1	+3.5	-0.34	+24	+1.14	+0.94	$252	$428
VTMG67	HBR				69%	61%	91%	88%	84%	79%	79%	77%	70%	71%	53%	74%	68%	72%	69%	70%	68%	63%	81%	69%	69%		
WWEN17					75	34	2	83	8	10	7	9	2	23	10	42	12	97	95	5	9	5	9	83	69	6	4
WWEQ24	**ESSLEMONT QUOKKA Q24** PV	6	39	39	+6.7	+1.3	-5.4	+2.4	+48	+92	+115	+79	+22	+3.9	-8.1	+81	+15.1	+1.2	+0.1	+1.2	+3.6	+0.83	+19	+0.94	+0.80	$270	$420
WWEN12	HBR				66%	55%	92%	89%	84%	78%	78%	76%	66%	66%	44%	72%	64%	70%	66%	67%	64%	58%	83%	60%	60%		
WWEN7					18	66	37	15	60	42	53	84	15	4	6	9	1	18	36	22	7	98	16	40	39	2	6
USA18690054	**GB FIREBALL 672** PV	85	1410	1410	+5.8	+4.9	-5.5	+2.7	+63	+105	+128	+128	+12	+2.9	-5.8	+76	+12.7	-1.8	-1.3	+1.7	+4.4	-0.19	-10	+0.92	+1.00	$280	$470
USA17965471	HBR				85%	57%	99%	99%	98%	97%	95%	85%	76%	95%	47%	83%	85%	86%	82%	80%	83%	63%	97%	97%	98%		
USA18054344					25	30	36	20	5	11	25	11	88	18	29	18	1	91	72	11	2	12	94	35	79	1	1
DKKP156	**HARDHAT KOD PUNCH M5 P156** PV	3	23	23	+6.6	+7.0	-10.1	+3.8	+58	+97	+122	+96	+18	+2.7	-5.8	+69	+9.5	-0.2	-2.3	+2.3	+1.9	-0.03	+0	+1.04	+0.98	$259	$416
DKKM4	HBR				63%	52%	91%	86%	81%	75%	76%	73%	64%	69%	41%	69%	62%	67%	64%	64%	62%	55%	73%	71%	71%		
DKKM5					19	12	2	42	14	26	38	58	46	23	29	41	10	54	89	4	54	25	74	65	75	5	6
NHZM182	**HAZELDEAN MAVERICK M182** SV	7	191	186	+4.5	+7.4	-6.0	+2.8	+48	+93	+129	+111	+22	+3.3	-3.8	+81	+7.1	+0.1	-0.4	-0.3	+3.9	+1.43	+54	+0.74	+0.42	$207	$371
NHZJ140	APR				72%	55%	97%	96%	93%	93%	94%	83%	71%	92%	54%	78%	79%	81%	79%	77%	78%	65%	91%	88%	89%		
NHZK807					35	9	28	21	61	40	24	30	18	10	64	10	33	45	50	79	4	99	1	7	1	39	27
NHZP434	**HAZELDEAN P434** SV	8	91	91	+11.3	+8.2	-8.0	+1.5	+45	+81	+113	+100	+21	+2.5	-7.8	+76	+6.5	-0.6	-2.9	+1.1	+2.2	+0.79	+25	+1.06	+0.60	$201	$360
NHZJ140	APR				71%	58%	96%	94%	87%	84%	85%	79%	70%	79%	54%	76%	70%	75%	72%	72%	70%	63%	84%	73%	73%		
NHZL527					1	6	9	7	71	74	59	51	21	29	8	19	42	66	95	25	43	97	7	69	8	45	35
Breed Average EBVs					+2.2	+2.6	-4.7	+4.1	+49	+89	+116	+100	+17	+2.1	-4.6	+66	+6.2	+0.0	-0.4	+0.5	+2.1	+0.19	+7	+0.98	+0.85	+194	+335

AngusSire Benchmarking Program

Estimated Breeding Values

Ident / Sire / Dam	Name / Reg.	Num Herd	Prog	Prog 2Yr.	Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Angle	Claw	$A	$A-L
NDIP481 KENNY'S CREEK PINNACLE P481 PV					+3.2	+1.5	-5.5	+3.0	+56	+97	+124	+75	+20	+0.5	-3.4	+71	+5.7	+1.1	+0.3	-1.8	+5.6	+1.10	+30	+0.94	+0.82	$275	$405
USA17354145	HBR	13	127	127	72%	60%	96%	94%	91%	90%	85%	80%	72%	77%	51%	78%	72%	77%	74%	73%	72%	63%	79%	69%	69%		
NDIL236					47	64	36	25	21	28	33	88	28	95	71	35	55	20	32	99	1	99	4	40	43	2	10
KILP1 KILLAIN RAINMAN P1 PV					-0.2	-3.9	-7.4	+4.6	+62	+110	+138	+122	+15	+2.6	-2.1	+81	+9.3	-1.5	-2.2	+3.3	-0.5	-0.39	-19	+1.06	+0.86	$201	$352
USA18578965	HBR	8	66	66	66%	52%	94%	90%	87%	82%	84%	79%	69%	68%	41%	75%	70%	76%	72%	72%	71%	56%	78%	67%	67%		
KILM9					72	94	13	61	6	5	12	16	67	26	87	10	11	87	88	1	99	4	99	69	52	46	41
BLAP130 KNOWLA PACKER P130 PV					+2.9	+0.8	-4.6	+5.0	+58	+105	+142	+118	+11	+1.0	-5.5	+82	+9.0	+0.5	-0.5	+0.6	+2.4	+0.39	+2	+1.18	+0.80	$240	$409
SRKK306	HBR	5	18	18	66%	57%	89%	86%	80%	77%	78%	76%	69%	73%	46%	72%	67%	72%	69%	70%	67%	61%	72%	68%	67%		
BLAK113					49	70	51	70	13	12	8	21	94	87	34	8	13	34	52	45	35	75	69	88	39	12	9
BLAP91 KNOWLA PEPPER P91 PV					+6.0	+5.2	-6.7	+4.0	+59	+111	+148	+151	+13	+1.5	-8.7	+79	+7.1	+0.6	+0.6	-0.4	+2.9	+0.44	-17	+1.06	+1.04	$234	$449
HIOG18	HBR	12	71	71	71%	62%	94%	92%	87%	81%	81%	79%	72%	73%	52%	75%	69%	73%	70%	71%	69%	63%	81%	68%	69%		
BLAL06					23	27	20	47	11	5	5	2	83	71	4	12	33	31	25	82	20	79	98	69	84	16	2
EGRM39 MOSQUITO CREEK MAXIMUS M39 SV					+6.8	+5.0	-7.5	+4.5	+59	+105	+137	+133	+20	+1.5	-9.2	+77	+6.0	+0.9	+0.3	+0.2	+2.9	+0.06	-6	+0.94	+0.86	$247	$445
HIOG18	HBR	6	93	52	72%	63%	91%	93%	87%	89%	86%	81%	76%	87%	52%	78%	77%	81%	78%	76%	77%	64%	79%	66%	66%		
EGRD9					17	29	12	59	12	11	13	8	25	71	2	15	50	24	32	62	20	35	87	40	52	9	2
CSWQ011 MURDEDUKE QUARTERBACK Q011 PV					+8.0	+1.7	-10.5	+2.8	+55	+106	+138	+122	+28	+3.7	-7.4	+82	+7.6	+1.4	+1.8	-1.3	+4.5	+0.73	+2	+0.86	+0.74	$244	$434
VLYM518	HBR	41	886	886	75%	61%	98%	98%	95%	86%	83%	79%	70%	78%	47%	76%	67%	71%	68%	68%	67%	61%	95%	76%	75%		
CSWN026					10	63	2	21	25	10	11	17	2	5	10	8	26	15	8	96	2	95	69	22	27	10	3
WLGP5 NARANDA PIMP P5 SV					+10.8	+9.6	-10.7	+2.3	+56	+103	+135	+95	+20	+2.0	-3.7	+76	+5.5	+1.3	+1.1	-0.7	+3.3	+0.84	-1	+0.74	+0.62	$263	$430
USA18229425	APR	8	64	64	67%	54%	95%	91%	84%	80%	79%	77%	68%	71%	41%	72%	64%	69%	66%	66%	64%	55%	81%	70%	70%		
WLGM24					2	2	1	14	18	15	15	59	26	49	66	20	59	16	16	89	12	98	77	7	10	4	4
NZE21095018 NGAPUTAHI P206 SV					+9.8	+6.6	-2.6	+0.1	+42	+84	+102	+66	+28	+2.8	-8.2	+68	+8.8	+1.3	+0.1	+0.0	+2.7	+0.67	+6	+1.06	+0.94	$236	$375
HIOE7	HBR	5	47	47	73%	65%	92%	93%	87%	82%	81%	79%	72%	73%	58%	77%	71%	75%	73%	73%	71%	66%	79%	69%	69%		
NZE21095112H49					3	15	81	2	84	68	80	94	2	20	6	43	15	16	36	69	26	93	56	69	69	14	24
SMPP516 PATHFINDER PHAT CAT P516 SV					+2.7	+0.7	-8.7	+5.8	+56	+96	+133	+107	+27	+5.0	-11.2	+64	+8.4	-1.5	+1.1	+0.9	+3.4	+0.23	+21	+1.08	+0.78	$267	$435
SMPM558	HBR	14	97	97	68%	56%	95%	93%	88%	81%	81%	77%	69%	72%	46%	75%	66%	71%	68%	69%	67%	61%	83%	65%	64%		
SMPJ282					51	71	5	84	20	28	18	37	3	1	1	58	18	87	16	33	10	57	13	73	35	3	3
SMPP41 PATHFINDER PREMIUM P41 SV					+2.1	+6.8	-4.4	+5.0	+59	+106	+144	+130	+26	+4.0	-10.1	+62	+6.4	+0.3	+0.3	+0.3	+3.6	+0.24	+11	+1.16	+0.90	$257	$450
VTMG67	APR	7	75	69	71%	62%	94%	93%	89%	86%	84%	79%	71%	72%	55%	76%	69%	74%	71%	71%	70%	63%	80%	69%	69%		
SMPM53					56	13	54	70	11	10	7	10	4	3	1	66	43	39	32	58	7	58	37	86	61	5	2
NORP987 RENNYLEA P987 PV					+10.3	+10.0	-9.2	+1.4	+49	+95	+123	+110	+16	+0.7	-4.8	+74	+3.6	+3.5	+1.2	-3.4	+6.2	+1.06	+4	+0.96	+0.94	$226	$406
NORM763	APR	7	78	78	71%	58%	94%	94%	91%	87%	85%	80%	70%	81%	48%	77%	74%	78%	75%	74%	74%	62%	90%	61%	61%		
NORM1184					2	1	4	6	52	31	35	33	61	93	46	24	86	1	14	99	1	99	63	45	69	21	10
NORQ213 RENNYLEA Q213 PV					+10.5	+7.2	-8.1	+1.0	+64	+118	+151	+108	+30	+0.0	-7.9	+93	+11.5	-0.1	-0.9	-0.4	+3.9	+0.77	+12	+0.76	+0.58	$316	$507
NORK907	APR	9	101	101	71%	59%	95%	94%	90%	86%	83%	79%	71%	82%	49%	76%	72%	76%	74%	72%	72%	62%	90%	69%	69%		
NORL110					2	11	8	4	4	2	3	35	1	99	7	2	3	51	63	82	4	96	36	8	7	1	1
TRHP52 RICHMOND HILL PLAY P52 SV					+4.7	+4.3	-0.5	+4.1	+48	+83	+106	+107	+15	+3.6	-3.9	+64	+7.3	-4.5	-4.4	+2.8	+2.2	-0.29	+12	+0.94	+1.14	$181	$327
TRHL9	HBR	5	52	52	64%	50%	92%	91%	87%	79%	79%	75%	66%	70%	39%	71%	60%	67%	63%	63%	60%	52%	85%	68%	68%		
TRHH92					34	36	96	49	57	71	74	37	74	6	63	59	30	99	99	2	43	7	36	40	93	66	60
NZE21159018 SEVEN HILLS 410/18 SV					+0.2	+0.9	-1.2	+3.1	+48	+91	+117	+84	+19	+1.1	-2.1	+64	+8.3	-0.2	+0.0	+0.1	+3.6	+0.95	+24	+0.72	+0.62	$222	$345
NZE21159016295	HBR	5	40	40	67%	52%	93%	90%	84%	79%	78%	75%	65%	63%	39%	71%	64%	71%	67%	67%	65%	54%	78%	63%	63%		
NZE21159116096					70	70	93	27	56	46	49	78	39	84	87	59	19	54	39	66	7	99	8	5	10	24	46
Breed Average EBVs					+2.2	+2.6	-4.7	+4.1	+49	+89	+116	+100	+17	+2.1	-4.6	+66	+6.2	+0.0	-0.4	+0.5	+2.1	+0.19	+7	+0.98	+0.85	+194	+335

Estimated Breeding Values

Ident / Sire / Dam	Name / Reg.	Num Herd	Prog	Prog 2Yr.	Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Angle	Claw	$A	$A-L
APBK11 SHACORRAHDALU KINETIC K11 PV					+11.6	+11.5	-9.6	+0.8	+49	+92	+107	+109	+10	+4.8	-9.7	+74	+7.4	+2.7	+1.3	+0.3	+2.5	+0.61	-9	+1.02	+0.98	$227	$416
VTMB1	HBR	8	78	68	72%	65%	91%	90%	85%	82%	81%	80%	75%	75%	58%	76%	69%	73%	71%	71%	69%	65%	79%	70%	72%		
APBF2					1	1	3	3	55	43	71	35	95	1	2	25	29	4	13	58	32	91	92	60	75	20	7
SYAP147 STONEY POINT PERRY P147 PV					+5.7	+4.6	-5.5	+4.2	+57	+103	+125	+99	+21	+1.1	-5.7	+83	+9.3	-1.4	-1.5	+0.7	+3.5	+0.02	+1	+0.82	+0.86	$262	$423
USA17936442	HBR	16	63	63	68%	53%	93%	92%	87%	83%	81%	77%	68%	79%	43%	74%	70%	73%	71%	70%	67%	58%	85%	77%	76%		
SWAH233					25	33	36	52	15	13	30	53	20	84	31	7	11	85	77	41	9	30	72	15	52	4	5
NZE19507018 STORTH OAKS FULLY LOADED P23					+7.6	+9.6	-12.1	+1.8	+46	+88	+128	+131	+19	+3.5	-5.8	+74	+2.6	-0.1	+1.5	-1.2	+3.6	+0.55	+19	+0.86	+0.60	$186	$376
NORL508	HBR	9	84	84	72%	59%	96%	94%	90%	82%	82%	79%	71%	71%	46%	75%	67%	71%	69%	68%	67%	61%	82%	69%	68%		
NZE19507113J320					12	2	1	9	69	56	26	9	37	7	29	23	93	51	11	95	7	87	17	22	8	61	24
VTMP888 TE MANIA PESO P888 PV					+9.9	+7.0	-6.2	+1.2	+55	+117	+144	+126	+24	+2.1	-7.4	+87	+4.9	+0.7	+0.6	-0.3	+2.6	+0.71	+27	+1.06	+0.88	$246	$449
VTMK226	HBR	17	343	343	80%	64%	98%	97%	95%	94%	91%	83%	74%	83%	52%	80%	80%	83%	81%	78%	80%	64%	93%	73%	73%		
VTMH423					3	12	26	5	23	2	7	13	8	45	10	4	69	29	25	79	29	95	6	69	57	9	2
BSCP90 WAITARA PRINCETON P90 PV					+2.8	+4.0	-2.5	+4.7	+52	+99	+132	+102	+25	+1.8	-2.2	+75	+6.3	-0.6	-0.2	+0.4	+2.5	+0.24	+32	+0.80	+0.58	$209	$355
GTNM6	HBR	11	98	98	71%	55%	96%	93%	91%	86%	83%	78%	69%	79%	45%	76%	71%	76%	73%	72%	71%	61%	89%	83%	83%		
BSCJ2					50	39	83	63	38	22	20	46	6	58	86	22	45	66	44	53	32	58	3	13	7	37	38
Breed Average EBVs					+2.2	+2.6	-4.7	+4.1	+49	+89	+116	+100	+17	+2.1	-4.6	+66	+6.2	+0.0	-0.4	+0.5	+2.1	+0.19	+7	+0.98	+0.85	+194	+335

UNDERSTANDING THE ASBP SIRE LISTING - PROGENY PERFORMANCE

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

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

Interpreting the ASBP Progeny Performance Listing

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

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

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

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

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

Progeny Performance Traits and Interpretation

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

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

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

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

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

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

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

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

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

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

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

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

Carcase Eye Muscle Area (EMA): Eye muscle area in cm^2 in a standard 400 kg carcase measured on steer progeny. Sires are ranked in descending order with higher values indicating larger eye muscle area.

Carcase Rump Fat: Subcutaneous fat measurement in mm at the P8 rump site in a standard 400 kg carcase measured on steer progeny. Sires are ranked in descending order with higher values indicating more rump fat.

Carcase Rib Fat: Subcutaneous fat measurement in mm at the 12th and 13th Rib site in a standard 400 kg carcase measured on steer progeny. Sires are ranked in descending order with higher values indicating more rib fat.

Carcase Intramuscular Fat (IMF): Percentage of Intramuscular fat (by near infrared spectrophotometry or NIR at the UNE meat science laboratory) in a standard 400 kg carcase measured on steer progeny. Sires are ranked in descending order with higher values indicating more intramuscular fat.

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

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

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

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

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

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	31	34.7	14
BONGONGO P212	NGXP212	28	34.9	16
BONGONGO P421	NGXP421	21	33.8	6
BOOROOMOOKA PARAGON P96	NGMP96	30	34.5	12
BOOROOMOOKA PRESIDENT P22	NGMP22	34	35.3	21
BRIDGEWATER QUANTUM Q007	BONQ007	26	35.5	24
CLUNIE RANGE PLANTATION P392	NBHP392	19	35.2	19
EF COMPLEMENT 8088	USA16198796	21	33.2	2
ESSLEMONT GARTH Q15	WWEQ15	25	37.2	33
ESSLEMONT QUOKKA Q24	WWEQ24	28	34.8	15
GB FIREBALL 672	USA18690054	25	34.6	13
HARDHAT KOD PUNCH M5 P156	DKKP156	23	35.9	27
HAZELDEAN MAVERICK M182	NHZM182	21	33.9	7
HAZELDEAN P434	NHZP434	23	33.2	2
KENNY'S CREEK PINNACLE P481	NDIP481	28	35.3	21
KILLAIN RAINMAN P1	KILP1	16	36.3	29
KNOWLA PACKER P130	BLAP130	11	36.3	29
KNOWLA PEPPER P91	BLAP91	30	34.4	9
MOSQUITO CREEK MAXIMUS M39	EGRM39	15	35.9	27
MURDEDUKE QUARTERBACK Q011	CSWQ011	23	34.3	8
NARANDA PIMP P5	WLGP5	27	35.5	24
NGAPUTAHI P206	NZE21095018P206	26	33.2	2
PATHFINDER PHAT CAT P516	SMPP516	24	37.1	32
PATHFINDER PREMIUM P41	SMPP41	25	35.8	26
RENNYLEA P987	NORP987	26	35.2	19
RENNYLEA Q213	NORQ213	16	35.0	17
RICHMOND HILL PLAY P52	TRHP52	31	35.3	21
SEVEN HILLS 410/18	NZE21159018410	22	35.1	18
SHACORRAHDALU KINETIC K11	APBK11	21	33.5	5
STONEY POINT PERRY P147	SYAP147	28	36.3	29
STORTH OAKS FULLY LOADED P23	NZE19507018P23	23	34.4	9
TE MANIA PESO P888	VTMP888	25	33.1	1
WAITARA PRINCETON P90	BSCP90	15	34.4	9

Angus Sire Benchmarking Program - Progeny Performance Report
Cohort: 11 - Gestation Length (days)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	31	281.1	20
BONGONGO P212	NGXP212	28	279.6	5
BONGONGO P421	NGXP421	18	280.9	16
BOOROOMOOKA PARAGON P96	NGMP96	28	280.7	14
BOOROOMOOKA PRESIDENT P22	NGMP22	33	280.5	11
BRIDGEWATER QUANTUM Q007	BONQ007	26	280.6	13
CLUNIE RANGE PLANTATION P392	NBHP392	19	280.9	16
EF COMPLEMENT 8088	USA16198796	20	282.2	28
ESSLEMONT GARTH Q15	WWEQ15	24	278.7	2
ESSLEMONT QUOKKA Q24	WWEQ24	27	280.9	16
GB FIREBALL 672	USA18690054	24	282.2	28
HARDHAT KOD PUNCH M5 P156	DKKP156	23	278.8	3
HAZELDEAN MAVERICK M182	NHZM182	21	281.6	23
HAZELDEAN P434	NHZP434	26	281.6	23
KENNY'S CREEK PINNACLE P481	NDIP481	26	281.1	20
KILLAIN RAINMAN P1	KILP1	16	280.8	15
KNOWLA PACKER P130	BLAP130	10	281.0	19
KNOWLA PEPPER P91	BLAP91	23	281.6	23
MOSQUITO CREEK MAXIMUS M39	EGRM39	15	280.5	11
MURDEDUKE QUARTERBACK Q011	CSWQ011	24	280.3	9
NARANDA PIMP P5	WLGP5	27	279.2	4
NGAPUTAHI P206	NZE21095018P206	26	282.8	30
PATHFINDER PHAT CAT P516	SMPP516	23	281.1	20
PATHFINDER PREMIUM P41	SMPP41	23	281.6	23
RENNYLEA P987	NORP987	24	280.4	10
RENNYLEA Q213	NORQ213	17	280.0	7
RICHMOND HILL PLAY P52	TRHP52	31	284.1	32
SEVEN HILLS 410/18	NZE21159018410	23	282.9	31
SHACORRAHDALU KINETIC K11	APBK11	21	279.8	6
STONEY POINT PERRY P147	SYAP147	28	281.9	27
STORTH OAKS FULLY LOADED P23	NZE19507018P23	21	278.0	1
TE MANIA PESO P888	VTMP888	23	280.0	7
WAITARA PRINCETON P90	BSCP90	14	284.2	33

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	31	257.0	5
BONGONGO P212	NGXP212	27	254.5	10
BONGONGO P421	NGXP421	19	253.6	14
BOOROOMOOKA PARAGON P96	NGMP96	30	243.9	32
BOOROOMOOKA PRESIDENT P22	NGMP22	31	247.5	24
BRIDGEWATER QUANTUM Q007	BONQ007	28	253.1	16
CLUNIE RANGE PLANTATION P392	NBHP392	19	261.4	1
EF COMPLEMENT 8088	USA16198796	20	250.8	18
ESSLEMONT GARTH Q15	WWEQ15	25	259.3	2
ESSLEMONT QUOKKA Q24	WWEQ24	29	242.4	33
GB FIREBALL 672	USA18690054	22	257.1	4
HARDHAT KOD PUNCH M5 P156	DKKP156	18	257.6	3
HAZELDEAN MAVERICK M182	NHZM182	20	254.0	12
HAZELDEAN P434	NHZP434	25	245.0	30
KENNY'S CREEK PINNACLE P481	NDIP481	27	254.6	9
KILLAIN RAINMAN P1	KILP1	16	254.4	11
KNOWLA PACKER P130	BLAP130	10	255.8	7
KNOWLA PEPPER P91	BLAP91	25	255.2	8
MOSQUITO CREEK MAXIMUS M39	EGRM39	11	247.9	22
MURDEDUKE QUARTERBACK Q011	CSWQ011	21	245.9	27
NARANDA PIMP P5	WLGP5	25	253.5	15
NGAPUTAHI P206	NZE21095018P206	24	245.2	29
PATHFINDER PHAT CAT P516	SMPP516	23	247.7	23
PATHFINDER PREMIUM P41	SMPP41	24	257.0	5
RENNYLEA P987	NORP987	23	246.5	26
RENNYLEA Q213	NORQ213	16	251.4	17
RICHMOND HILL PLAY P52	TRHP52	31	248.0	21
SEVEN HILLS 410/18	NZE21159018410	22	247.4	25
SHACORRAHDALU KINETIC K11	APBK11	19	250.1	19
STONEY POINT PERRY P147	SYAP147	27	253.8	13
STORTH OAKS FULLY LOADED P23	NZE19507018P23	22	245.3	28
TE MANIA PESO P888	VTMP888	22	249.8	20
WAITARA PRINCETON P90	BSCP90	13	244.0	31

UNDERSTANDING THE ASBP SIRE LISTING - PROGENY PERFORMANCE II
CATEGORICAL TRAITS

This listing provides an indication on how the sires are performing for several categorical (i.e. scored) traits within the ASBP, through their progeny.

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

Interpreting the ASBP Progeny Performance Listing

Angus Sire Benchmarking Program - Progeny Performance Report
Cohort: 8 - Claw Set (Score)

Sire Name	Sire ID	Number of Progeny	Progeny % Score 5-6	Rank
AJC L172	NXOL172	33	36.4	30
ALLOURA LOCK STOCK & BARREL L94	DGJL94	10	40.0	28
BEN NEVIS JUDO J158	NBNJ158	5	60.0	12
BOOROOMOOKA LEROY L173	NGML173	25	44.0	25
BRIDGEWATER STIMULUS K65	BONK065	24	79.2	2
BROOKLANA INFINITY L39	AMQL39	25	52.0	18
CHILTERN PARK MARBLES M3	GTNM3	23	69.6	8

Number of progeny = Number of progeny the sire has recorded within the ASBP for the specified trait.

Progeny % = The percentage of ASBP progeny displaying the desirable score for the specified trait. The scores deemed ideal are listed in traits section below.

Rank = The ranking position (descending order) of the sire within the specified cohort.

The lists are sorted on sire name for the specified cohort. The date the progeny performance values were produced is listed in the bottom left hand margin of the report. The reports will be regularly updated as further ASBP data is recorded and analysed.

Progeny Performance Categorical Traits and Interpretation
Separate sections for the following traits are included in the ASBP Progeny Performance listing:

Docility: Percentage of progeny displaying a crush docility score, taken at weaning, of 1 or 1.5 (out of 5). Higher Progeny % values indicate a higher percentage of progeny with desirable temperament.

Claw Set: Percentage of progeny displaying a front feet claw set score, taken around 12 to 18 months of age, of 5 or 6 (out of the 1 to 9 scoring range). Higher Progeny % values indicate a higher percentage of progeny with desirable structure for front foot claw set.

Foot Angle: Percentage of progeny displaying a front feet angle score, taken around 12 to 18 months or age, of 5 or 6 (out of the 1 to 9 scoring range). Higher Progeny % values indicate a higher percentage of progeny with desirable structure for front feet angle.

Coat Type: Percentage of progeny displaying a coat type score, taken around 12 to 18 months or age, of 1, 1.5 or 2 (out of 7). Higher Progeny % values indicate a higher percentage of slick coated progeny.

Further information on the scoring systems are available from the Angus Education Centre - https://www.angusaustralia.com.au/education/

Sire Name	Sire ID	Number of Progeny	Progeny % Score 1-1.5	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	32	43.8	29
BONGONGO P212	NGXP212	28	53.6	24
BONGONGO P421	NGXP421	19	63.2	16
BOOROOMOOKA PARAGON P96	NGMP96	30	76.7	5
BOOROOMOOKA PRESIDENT P22	NGMP22	31	54.8	23
BRIDGEWATER QUANTUM Q007	BONQ007	28	64.3	14
CLUNIE RANGE PLANTATION P392	NBHP392	19	57.9	21
EF COMPLEMENT 8088	USA16198796	20	70.0	9
ESSLEMONT GARTH Q15	WWEQ15	25	64.0	15
ESSLEMONT QUOKKA Q24	WWEQ24	29	62.1	17
GB FIREBALL 672	USA18690054	24	37.5	31
HARDHAT KOD PUNCH M5 P156	DKKP156	19	47.4	28
HAZELDEAN MAVERICK M182	NHZM182	21	76.2	6
HAZELDEAN P434	NHZP434	25	60.0	18
KENNY'S CREEK PINNACLE P481	NDIP481	27	81.5	4
KILLAIN RAINMAN P1	KILP1	16	31.3	32
KNOWLA PACKER P130	BLAP130	10	40.0	30
KNOWLA PEPPER P91	BLAP91	25	28.0	33
MOSQUITO CREEK MAXIMUS M39	EGRM39	13	84.6	2
MURDEDUKE QUARTERBACK Q011	CSWQ011	22	81.8	3
NARANDA PIMP P5	WLGP5	25	52.0	25
NGAPUTAHI P206	NZE21095018P206	24	58.3	20
PATHFINDER PHAT CAT P516	SMPP516	23	65.2	12
PATHFINDER PREMIUM P41	SMPP41	25	60.0	18
RENNYLEA P987	NORP987	24	66.7	11
RENNYLEA Q213	NORQ213	16	56.3	22
RICHMOND HILL PLAY P52	TRHP52	31	64.5	13
SEVEN HILLS 410/18	NZE21159018410	22	72.7	7
SHACORRAHDALU KINETIC K11	APBK11	20	50.0	26
STONEY POINT PERRY P147	SYAP147	27	48.1	27
STORTH OAKS FULLY LOADED P23	NZE19507018P23	22	72.7	7
TE MANIA PESO P888	VTMP888	22	95.5	1
WAITARA PRINCETON P90	BSCP90	13	69.2	10

UNDERSTANDING THE ASBP SIRE LISTING - PROGENY PERFORMANCE SUMMARY TABLE

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

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

Interpreting the ASBP Progeny Performance Summary Table

Angus Sire Benchmarking Program - Cohort 3
Summary of Progeny Averages (rank)

Sire ID / Name	BW	GL	WW	YW	FW	DTC	SCAN EMA	SCAN RIB	SCAN RUMP	SCAN IMF	CARC WT	
DGJF27 ALLOURA FOURTH DIMENSION F27	34.1 (1)	282.8 (23)	192.1 (35)	359.3 (40)	512.9 (36)	300.7 (16)	66.0 (15)	8.5 (1)	10.8 (1)	6.4 (1)	426.6 (36)	8
DGJG19 ALLOURA GET UP-AND-GO G19	37.0 (15)	283.0 (24)	202.7 (17)	396.7 (13)	537.3 (21)	290.1 (1)	64.9 (26)	7.8 (8)	10.0 (14)	5.4 (24)	432.3 (31)	
CGKE9 ALPINE EXTRA SPECIAL E9	37.1 (18)	279.1 (4)	190.7 (39)	370.2 (37)	515.0 (34)	316.6 (40)	62.4 (39)	5.8 (40)	7.7 (39)	4.9 (40)	434.6 (30)	8
WJMF96 ARDCAIRNIE F96	36.2 (7)	281.7 (17)	198.9 (21)	390.3 (18)	551.2 (10)	310.5 (37)	69.0 (2)	7.7 (10)	10.1 (11)	5.6 (12)	465.0 (11)	
NBBG117 BALD BLAIR NEW DESIGN G117	36.3 (9)	282.1 (20)	197.0 (29)	397.5 (11)	544.0 (12)	302.1 (22)	67.0 (11)	7.4 (18)	9.3 (28)	5.0 (39)	453.4 (19)	
WMYF3 BLACKROCK F3	36.5 (10)	279.0 (3)	204.3 (11)	388.2 (22)	555.2 (8)	301.5 (19)	67.2 (9)	7.6 (14)	10.3 (8)	5.7 (10)	479.1 (2)	
NGMF510 BOOROOMOOKA FRANKEL F510	40.3 (39)	281.3 (14)	200.3 (20)	405.9 (3)	555.5 (7)	304.1 (26)	65.8 (16)	7.3 (20)	10.1 (11)	5.4 (24)	444.3 (26)	

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

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

For easy interpretation colour coding has been applied to the ranking being:
- Rank 1 to 5 (dark green with white text). E.g.   34.1 (1)

- Rank 6 to 10 (light green with black text). E.g.   36.5 (10)

The definition of the traits are detailed in the previous section of this report titled "*Understanding the ASBP Progeny Performance Listing*"

The table is sorted on sire name for the specified cohort.

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

Angus Sire Benchmarking Program - Cohort 11

Summary of Progeny Averages (rank)

Sire ID / Name	BW	GL	WW	YW	FW	DTC	SCAN EMA	SCAN RIB	SCAN RUMP	SCAN IMF	CARC WT	CARC EMA	CARC IMF	NFI-f	MSA MBL	MSA OSS	MSA IND	DOC	CLAW	ANGLE	CT
NBNN239 BEN NEVIS NEWSFLASH N239	34.7 (14)	281.1 (20)	257.0 (5)															43.8 (29)			
NGXP212 BONGONGO P212	34.9 (16)	279.6 (5)	254.5 (10)															53.6 (24)			
NGXP421 BONGONGO P421	33.8 (6)	280.9 (16)	253.6 (14)															63.2 (16)			
NGMP96 BOOROOMOOKA PARAGON P96	34.5 (12)	280.7 (14)	243.9 (32)															76.7 (5)			
NGMP22 BOOROOMOOKA PRESIDENT P22	35.3 (21)	280.5 (11)	247.5 (24)															54.8 (23)			
BONQ007 BRIDGEWATER QUANTUM Q007	35.5 (24)	280.6 (13)	253.1 (16)															64.3 (14)			
NBHP392 CLUNIE RANGE PLANTATION P392	35.2 (19)	280.9 (16)	261.4 (1)															57.9 (21)			
USA16198796 EF COMPLEMENT 8088	33.2 (2)	282.2 (28)	250.8 (18)															70.0 (9)			
WWEQ15 ESSLEMONT GARTH Q15	37.2 (33)	278.7 (2)	259.3 (2)															64.0 (15)			
WWEQ24 ESSLEMONT QUOKKA Q24	34.8 (15)	280.9 (16)	242.4 (33)															62.1 (17)			
USA18690054 GB FIREBALL 672	34.6 (13)	282.2 (28)	257.1 (4)															37.5 (31)			
DKKP156 HARDHAT KOD PUNCH M5 P156	35.9 (27)	278.8 (3)	257.6 (3)															47.4 (28)			
NHZM182 HAZELDEAN MAVERICK M182	33.9 (7)	281.6 (23)	254.0 (12)															76.2 (6)			
NHZP434 HAZELDEAN P434	33.2 (2)	281.6 (23)	245.0 (30)															60.0 (18)			
NDIP481 KENNY'S CREEK PINNACLE P481	35.3 (21)	281.1 (20)	254.6 (9)															81.5 (4)			
KILP1 KILLAIN RAINMAN P1	36.3 (29)	280.8 (15)	254.4 (11)															31.3 (32)			
BLAP130 KNOWLA PACKER P130	36.3 (29)	281.0 (19)	255.8 (7)															40.0 (30)			
BLAP91 KNOWLA PEPPER P91	34.4 (9)	281.6 (23)	255.2 (8)															28.0 (33)			
EGRM39 MOSQUITO CREEK MAXIMUS M39	35.9 (27)	280.5 (11)	247.9 (22)															84.6 (2)			
CSWQ011 MURDEDUKE QUARTERBACK Q011	34.3 (8)	280.3 (9)	245.9 (27)															81.8 (3)			
WLGP5 NARANDA PIMP P5	35.5 (24)	279.2 (4)	253.5 (15)															52.0 (25)			
NZE21095018P206 NGAPUTAHI P206	33.2 (2)	282.8 (30)	245.2 (29)															58.3 (20)			

Sire ID / Name	BW	GL	WW	YW	FW	DTC	SCAN EMA	SCAN RIB	SCAN RUMP	SCAN IMF	CARC WT	CARC EMA	CARC IMF	NFI-f	MSA MBL	MSA OSS	MSA IND	DOC	CLAW	ANGLE	CT
SMPP516 PATHFINDER PHAT CAT P516	37.1 (32)	281.1 (20)	247.7 (23)															65.2 (12)			
SMPP41 PATHFINDER PREMIUM P41	35.8 (26)	281.6 (23)	257.0 (5)															60.0 (18)			
NORP987 RENNYLEA P987	35.2 (19)	280.4 (10)	246.5 (26)															66.7 (11)			
NORQ213 RENNYLEA Q213	35.0 (17)	280.0 (7)	251.4 (17)															56.3 (22)			
TRHP52 RICHMOND HILL PLAY P52	35.3 (21)	284.1 (32)	248.0 (21)															64.5 (13)			
NZE21159018410 SEVEN HILLS 410/18	35.1 (18)	282.9 (31)	247.4 (25)															72.7 (7)			
APBK11 SHACORRAHDALU KINETIC K11	33.5 (5)	279.8 (6)	250.1 (19)															50.0 (26)			
SYAP147 STONEY POINT PERRY P147	36.3 (29)	281.9 (27)	253.8 (13)															48.1 (27)			
NZE19507018P23 STORTH OAKS FULLY LOADED P23	34.4 (9)	278.0 (1)	245.3 (28)															72.7 (7)			
VTMP888 TE MANIA PESO P888	33.1 (1)	280.0 (7)	249.8 (20)															95.5 (1)			
BSCP90 WAITARA PRINCETON P90	34.4 (9)	284.2 (33)	244.0 (31)															69.2 (10)			