



PROGENY PERFORMANCE REPORT

COHORT 11



Acknowledgments:

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

Co-Funding Partner

Meat and Livestock Australia

Industry Partners

Rangers Valley
Stockyard Beef - Kerwee Lot Feeders
John Dee Abattoir
University of New England (UNE)
Vetoquinol
Zoetis Animal Genetics
Neogen Australasia

Co-operator Cow Herds

Brad and Marg Gilmour, Boorcan, VIC.
Rob and Sally Bulle, Ardrossan, Holbrook, NSW.
Hugh Munro, Glenroy, Gravesend, NSW.
Roger and GERALYN Flower, Myola, Black Mountain, NSW.
John O'Brien & Trevor Nash, Stradbroke Pastoral, Yarralee, Coolah, NSW.
Rob Dugdale and Jeff Richie, Springmount, Black Mountain, NSW.
Richard and Ruth Puddicombe, Burindi, Barraba, NSW.
Shaun Uebergang, Pearsby Hall, Delungra, NSW.
Stephen and Amity Chase, Waitara, Trangie, NSW.
NSW DPI, Trangie Agricultural Research Centre, Trangie, NSW.
NSW DPI, Glen Innes Research Station, Glen Innes, NSW.
University of Sydney, Nowley, Spring Ridge, NSW.
David and Pia Butcher, Woorak, Bundarra, NSW.
James Stephens, Charles Sturt University, Wagga Wagga, NSW.
Douglas Lithgow, Swanpool, VIC.
Bruce and Anna Allworth, Taloooby, Holbrook, NSW.

Bull Owners and Nominators

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

Data Analysis Support

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



Angus Sire Benchmarking Program

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

The major objective of the ASBP is to:

“Grow the phenotype and genotype reference population with contemporary Australian Angus animals, particularly on hard - to - measure traits, for enhanced genetic evaluation, collaborative research and innovative development.”

To meet the project objectives Angus Australia aims to join an average of 25-35 sires a year to approximately 1,800 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, General Manager - Genetic Improvement, 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

READING THE ASBP SIRE LISTING - TACE EBVs and SELECTION INDEXES

Ident	Name	Statistics		Estimated Breeding Values																								
				Calv-Ease		Birth		Growth				Fert		Carcase				Feed Temp		Structural		Selection Index						
				Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Claw	Angle	Leg	\$A	\$A-L	
USA17960722	BALDRIDGE BEAST MODE B074																											
USA16295688	HBR	234	5069	1679	95%	82%	99%	99%	99%	99%	99%	97%	96%	98%	65%	94%	92%	92%	92%	88%	91%	77%	98%	98%	98%	97%	\$277	\$452
USA17149410					17	5	66	36	1	1	4	9	92	21	44	13	87	89	96	75	32	16	7	4	1	2	2	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	P8	Rump Fat
Dtrs	Calving Ease Daughters	RBY	Retail Beef Yield
GL	Gestation Length	IMF	Intramuscular Fat
BW	Birth Weight	NFI-F	Net Feed Intake (Feedlot)
200	200 Day Growth	DOC	Docility
400	400 Day Weight	Claw	Claw Set
600	600 Day Weight	Angle	Foot Angle
MCW	Mature Cow Weight	Leg	Leg Angle
Milk	Milk	\$A	Angus Breeding Index
SS	Scrotal Size	\$A-L	Angus Breeding Low Feed Cost Index
DC	Days to Calving		
CW	Carcase Weight		
EMA	Eye Muscle Area		
RIB	Rib Fat		

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.



Angus Australia - Sire Benchmarking Program - Cohort 11

January 2024 TransTasman Angus Cattle Evaluation

Sire Dam	Name	Statistics				Estimated Breeding Values																						
		Reg.	Num Herd	Prog	Prog 2Yr.	Calv-Ease		Birth		Growth				Fert		Carcase				Feed	Temp	Structural			Selection Index			
						Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Claw	Angle	Leg	\$A
NBNN239 USA16956101 NBNH215	BEN NEVIS NEWSFLASH N239 ^{PV} HBR	18	373	51	-2.6	+2.1	-4.5	+4.9	+58	+99	+133	+117	+19	+0.8	-2.9	+84	+5.1	-2.3	-0.3	+0.5	+1.4	+0.20	+11	+1.08	+1.06	+0.96	\$187	\$326
NGXP212 NORL508 NGXL13	BONGONGO P212 ^{SV} HBR	9	152	29	+5.8	+10.4	-6.7	+2.3	+46	+85	+101	+80	+23	+3.9	-8.6	+53	+3.9	+3.4	+5.5	-1.0	+4.7	+0.94	+13	+0.82	+0.90	+0.98	\$252	\$417
NGXP421 USA18229425 NGXM413	BONGONGO P421 ^{SV} APR	10	43	2	+8.9	+5.2	-6.0	+1.9	+58	+98	+127	+93	+24	+2.6	-6.4	+73	+10.9	+3.8	+2.6	-0.1	+3.0	+0.67	+13	+1.10	+1.04	+1.12	\$267	\$433
NGMP96 WWEL3 NGMM566	BOOROOMOOKA PARAGON P96 ^{PV} HBR	14	657	384	-3.4	+2.5	-7.5	+3.9	+61	+119	+161	+122	+29	+3.5	-7.9	+109	+13.7	-2.6	-1.5	+1.8	+1.8	+0.87	+34	+0.84	+1.00	+1.14	\$288	\$462
NGMP22 NGMK9 NGMK640	BOOROOMOOKA PRESIDENT P22 ^{PV} HBR	6	159	37	-1.6	+2.3	-6.1	+4.9	+58	+107	+142	+122	+22	+2.8	-7.6	+77	+5.7	+0.1	+0.5	+0.3	+2.5	+0.49	+19	+0.40	+0.62	+0.78	\$243	\$412
BONQ007 QMUM13 HIOL28	BRIDGEWATER QUANTUM Q007 ^{PV} HBR	6	50	11	-2.8	-3.1	-5.2	+5.6	+65	+101	+134	+106	+21	+0.5	-5.8	+89	+7.3	+0.0	-1.9	+0.2	+2.1	+0.12	+23	+1.04	+0.88	+1.08	\$228	\$364
NBHP392 USA17960722 NBHM516	CLUNIE RANGE PLANTATION P392 ^{SV} HBR	109	1459	968	+6.8	+3.8	-5.2	+4.2	+67	+118	+137	+103	+21	+5.4	-3.7	+69	-0.7	-0.3	-0.8	-1.4	+3.9	+0.16	+20	+0.76	+1.00	+0.94	\$225	\$393
USA16198796 USA14686137 USA15452880	EF COMPLEMENT 8088 ^{PV} HBR	236	5333	14	+4.8	+7.5	-4.7	+2.9	+52	+98	+130	+97	+21	+1.4	-7.3	+75	+7.9	+1.3	+0.6	+0.9	+1.5	+0.57	+20	+0.94	+1.28	+1.14	\$258	\$424
WWEQ15 VTMG67 WWEN17	ESSLEMONT GARTH Q15 ^{PV} HBR	5	28	3	-3.6	+2.5	-8.5	+5.7	+62	+111	+151	+140	+28	+2.4	-6.5	+68	+5.8	-3.9	-3.9	+0.5	+4.0	-0.46	+45	+0.94	+1.14	+1.04	\$232	\$403
WWEQ24 WWEN12 WWEN7	ESSLEMONT QUOKKA Q24 ^{PV} HBR	7	98	35	+4.5	+0.2	-3.9	+1.7	+42	+82	+97	+46	+22	+4.1	-6.3	+66	+16.9	+1.4	-0.2	+2.2	+2.1	+1.23	+28	+0.74	+0.88	+0.94	\$266	\$384
USA18690054 USA17965471 USA18054344	GB FIREBALL 672 ^{PV} HBR	133	2278	843	+3.1	+6.7	-4.7	+2.6	+61	+98	+129	+121	+15	+2.7	-7.6	+78	+14.9	-2.5	-3.7	+0.9	+5.7	+0.48	+10	+1.02	+0.92	+0.80	\$288	\$470
DKKP156 DKKM4 DKKM5	HARDHAT KOD PUNCH M5 P156 ^{PV} HBR	3	24	0	+4.0	+6.4	-9.1	+3.2	+58	+99	+126	+98	+17	+2.6	-6.3	+69	+13.4	-1.4	-1.2	+1.0	+2.6	-0.30	+2	+0.90	+1.02	+1.14	\$269	\$432
NHZM182 NHZJ140 NHZK807	HAZELDEAN MAVERICK M182 ^{SV} APR	7	194	0	+1.9	+6.6	-4.8	+2.5	+44	+85	+119	+97	+24	+3.2	-4.5	+69	+7.8	+0.5	+0.0	+0.4	+3.6	+0.71	+59	+0.40	+0.70	+1.04	\$201	\$345
NHZP434 NHZJ140 NHZL527	HAZELDEAN P434 ^{SV} APR	9	139	44	+9.0	+6.0	-7.1	+2.0	+46	+86	+112	+97	+21	+2.9	-7.8	+69	+2.0	+0.3	-3.9	+0.9	+1.7	+0.65	+44	+0.58	+0.96	+1.02	\$203	\$366
NDIP481 USA17354145 NDIL236	KENNY'S CREEK PINNACLE P481 ^{PV} HBR	21	329	198	+2.0	-1.3	-4.3	+3.3	+49	+86	+115	+68	+21	+0.0	-2.6	+76	+3.9	+1.5	+1.1	-1.4	+6.3	+1.20	+19	+0.86	+0.94	+0.88	\$205	\$314
Breed Average EBVs					+1.9	+2.8	-4.4	+3.9	+51	+92	+119	+101	+17	+2.2	-4.6	+67	+6.6	+0.0	-0.3	+0.5	+2.4	+0.23	+21	+0.85	+0.97	+1.03	+202	+347



Angus Australia - Sire Benchmarking Program - Cohort 11

January 2024 TransTasman Angus Cattle Evaluation

Sire Dam	Name	Statistics				Estimated Breeding Values																						
		Reg.	Num Herd	Prog	Prog 2Yr.	Calv-Ease		Birth		Growth				Fert		Carcase				Feed	Temp	Structural			Selection Index			
						Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Claw	Angle	Leg	\$A
KILP1 USA18578965 KILM9	KILLAIN RAINMAN P1 ^{PV} HBR	10	87	22	-2.2	-4.1	-7.0	+4.2	+61	+106	+133	+123	+14	+3.1	-3.3	+75	+14.2	-2.6	-1.6	+2.2	-1.6	+0.32	+5	+0.90	+0.98	+1.12	\$198	\$345
BLAP130 SRKK306 BLAK113	KNOWLA PACKER P130 ^{PV} HBR	10	37	19	+2.3	+0.7	-2.9	+4.5	+54	+100	+130	+111	+12	+1.0	-6.1	+76	+7.8	+0.3	-0.9	+0.8	+2.1	+0.10	+25	+0.84	+1.24	+0.98	\$233	\$393
BLAP91 HIOG18 BLAL06	KNOWLA PEPPER P91 ^{PV} HBR	13	96	29	+4.7	+2.3	-5.9	+3.7	+60	+115	+143	+160	+9	+1.6	-8.3	+68	+8.3	+1.4	-1.4	+1.1	+2.5	+0.35	+0	+0.98	+1.08	+0.98	\$260	\$475
EGRM39 HIOG18 EGRD9	MOSQUITO CREEK MAXIMUS M39 ^{SV} HBR	6	113	20	+3.4	+3.8	-6.1	+5.1	+60	+106	+137	+133	+18	+1.9	-8.1	+72	+6.5	+0.8	+0.2	+0.4	+2.4	+0.05	+15	+0.86	+0.86	+1.04	\$255	\$444
CSWQ011 VLYM518 CSWN026	MURDEDUKE QUARTERBACK Q011 ^{PV} HBR	144	3028	2140	+6.3	+1.1	-9.6	+2.8	+52	+99	+132	+114	+21	+4.1	-5.4	+75	+5.6	+2.2	+2.8	-1.0	+5.2	+0.71	+25	+0.76	+1.02	+1.04	\$226	\$398
WLG P5 USA18229425 WLG M24	NARANDA PIMP P5 ^{SV} APR	16	173	138	+11.2	+8.8	-11.3	+1.7	+51	+98	+127	+94	+21	+1.8	-2.8	+81	+6.9	+1.3	+2.5	-0.2	+3.3	+0.35	+4	+0.68	+0.74	+1.08	\$225	\$383
NZE21095018 HIOE7 NZE21095112H49	NGAPUTAH I P206 ^{SV} HBR	5	69	18	+9.2	+5.6	-1.3	+0.2	+42	+83	+95	+68	+28	+2.6	-7.3	+50	+6.3	-0.3	-2.8	+1.2	+4.2	+0.22	+18	+0.96	+1.06	+1.10	\$245	\$388
SMPP516 SMPM558 SMPJ282	PATHFINDER PHAT CAT P516 ^{SV} HBR	17	162	49	+5.9	+3.8	-7.7	+4.5	+53	+91	+117	+86	+26	+5.2	-9.5	+51	+11.8	-3.7	-2.9	+0.8	+6.0	+0.12	+40	+0.76	+1.14	+0.98	\$297	\$462
SMPP41 VTMG67 SMPM53	PATHFINDER PREMIUM P41 ^{SV} APR	7	86	0	+2.4	+7.8	-5.4	+4.5	+59	+108	+138	+126	+22	+4.3	-9.5	+48	+3.1	+0.0	+0.7	-0.5	+4.3	+0.21	+27	+0.88	+1.20	+1.20	\$265	\$461
NORP987 NORM763 NORM1184	RENNYLEA P987 ^{PV} APR	11	206	128	+10.2	+9.6	-8.1	+1.2	+50	+97	+123	+126	+14	+0.5	-2.4	+73	+5.8	+3.4	+2.2	-1.1	+7.6	+0.95	+8	+0.88	+0.92	+1.06	\$218	\$399
NORQ213 NORK907 NORL110	RENNYLEA Q213 ^{PV} APR	12	326	242	+9.4	+7.5	-7.2	+1.1	+67	+121	+153	+108	+25	+0.7	-10.3	+104	+8.7	+0.7	+0.0	+0.2	+3.2	+0.70	+25	+0.56	+0.72	+0.80	\$340	\$541
TRHP52 TRHL9 TRHH92	RICHMOND HILL PLAY P52 ^{SV} HBR	7	66	14	+5.7	+3.4	+0.0	+4.1	+53	+95	+118	+123	+11	+4.4	-5.8	+75	+11.1	-4.9	-3.0	+1.5	+3.1	-0.38	+30	+1.06	+0.98	+1.06	\$231	\$408
NZE21159018 NZE21159016295 NZE21159116096	SEVEN HILLS 410/18 ^{SV} HBR	5	42	0	+1.9	+1.1	-0.5	+2.8	+48	+97	+120	+92	+19	+1.7	-3.7	+70	+7.9	-0.5	-1.6	+0.4	+4.5	+0.67	+23	+0.68	+0.72	+1.12	\$219	\$357
APBK11 VTMB1 APBF2	SHACORRAHDALU KINETIC K11 ^{PV} HBR	8	77	11	+10.2	+10.6	-9.1	+0.4	+48	+87	+101	+93	+10	+4.5	-7.1	+63	+10.3	+3.6	+2.1	+0.8	+2.1	+0.85	+1	+0.96	+1.16	+1.08	\$244	\$419
SYAP147 USA17936442 SWAH233	STONE POINT PERRY P147 ^{PV} HBR	17	64	0	+4.7	+3.1	-4.7	+4.6	+56	+102	+132	+103	+21	+1.7	-7.6	+96	+10.0	-1.2	-0.8	+0.5	+3.7	-0.23	+7	+0.82	+0.80	+0.72	\$275	\$443
Breed Average EBVs					+1.9	+2.8	-4.4	+3.9	+51	+92	+119	+101	+17	+2.2	-4.6	+67	+6.6	+0.0	-0.3	+0.5	+2.4	+0.23	+21	+0.85	+0.97	+1.03	+202	+347



Angus Australia - Sire Benchmarking Program - Cohort 11

January 2024 TransTasman Angus Cattle Evaluation

Sire Dam	Name	Statistics			Estimated Breeding Values																							
					Calv-Ease		Birth		Growth				Fert		Carcase				Feed		Temp		Structural			Selection Index		
					Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Claw	Angle	Leg	\$A	\$A-L
NZE19507018	STORTH OAKS FULLY LOADED P23				+8.1	+7.3	-11.3	+1.1	+44	+86	+131	+129	+19	+3.4	-6.2	+63	+1.9	+1.0	+0.4	-0.6	+3.6	+0.90	+30	+0.52	+0.78	+1.00	\$179	\$364
NORL508	HBR	15	219	118	75%	64%	97%	97%	95%	95%	95%	88%	79%	93%	57%	89%	88%	87%	88%	80%	90%	82%	93%	81%	81%	78%		
NZE19507113J320					7	10	1	6	80	67	24	13	37	13	17	63	93	26	36	94	20	96	16	4	11	39	76	39
VTMP888	TE MANIA PESO P888 PV				+8.3	+6.1	-5.1	+1.9	+55	+112	+142	+118	+26	+2.0	-6.1	+90	+4.0	-0.1	+1.8	+0.4	+1.5	+0.00	+26	+0.84	+1.10	+0.98	\$245	\$432
VTMK226	HBR	19	461	108	83%	74%	98%	97%	97%	97%	97%	93%	86%	92%	61%	91%	91%	89%	91%	83%	91%	82%	94%	92%	92%	90%		
VTMH423					6	19	39	12	29	6	10	24	4	54	19	5	79	50	17	53	70	26	29	48	78	33	11	4
BSCP90	WAITARA PRINCETON P90 PV				+0.2	+4.3	-2.2	+3.7	+48	+94	+124	+77	+23	+2.3	-3.6	+80	+7.4	+0.1	+0.4	-0.2	+4.0	+0.67	+34	+0.64	+0.80	+0.96	\$215	\$341
GTNM6	HBR	12	129	27	73%	60%	96%	95%	94%	94%	94%	87%	80%	92%	54%	88%	87%	87%	88%	79%	89%	80%	92%	90%	90%	86%		
BSCJ2					69	37	83	43	65	44	39	85	9	43	74	18	39	46	36	85	14	89	9	12	13	27	38	59
Breed Average EBVs					+1.9	+2.8	-4.4	+3.9	+51	+92	+119	+101	+17	+2.2	-4.6	+67	+6.6	+0.0	-0.3	+0.5	+2.4	+0.23	+21	+0.85	+0.97	+1.03	+202	+347



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

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ABBOTT PERFORMER E32	ESTE32	17	467.8	1
ABERDEEN ESTATE EXCITE E21	AHWE21	7	444.1	19
ANVIL ENFORCER E183	HBUE183	14	452.8	7
ARDROSSAN EXACT E162	NAQE162	12	449.5	11
ARDROSSAN FAIRFAX F21	NAQF21	9	437.8	28
AYRVALE BARTEL E7	HIOE7	17	455.0	5
BALMORAL HIGHLINE EFC126	DFC126	3	439.1	13

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

Progeny Average = The average performance of this 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 cm² from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating larger eye muscle area.

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

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

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

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

Carcase Eye Muscle Area (EMA): Eye muscle area in cm² in a standard 400 kg carcass 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 carcass 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 carcass 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 carcass measured on steer progeny. Sires are ranked in descending order with higher values indicating more intramuscular fat.

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

Meat Standards Australia (MSA) Marbling Score: Marbling score recorded by the Meat Standards Australia (MSA) grader in the chiller on steer progeny based on a standard 400 kg carcass. Sires are ranked in descending order with higher values indicating more marbling in the carcass.

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

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

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



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Birth Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	32	35.4	14
BONGONGO P212	NGXP212	28	35.5	16
BONGONGO P421	NGXP421	22	34.4	6
BOOROOMOOKA PARAGON P96	NGMP96	44	35.4	14
BOOROOMOOKA PRESIDENT P22	NGMP22	35	36.0	23
BRIDGEWATER QUANTUM Q007	BONQ007	26	36.1	24
CLUNIE RANGE PLANTATION P392	NBHP392	19	35.8	19
EF COMPLEMENT 8088	USA16198796	21	33.8	2
ESSLEMONT GARTH Q15	WWEQ15	25	37.8	33
ESSLEMONT QUOKKA Q24	WWEQ24	28	35.2	12
GB FIREBALL 672	USA18690054	27	35.0	9
HARDHAT KOD PUNCH M5 P156	DKKP156	24	36.6	28
HAZELDEAN MAVERICK M182	NHZM182	22	34.7	7
HAZELDEAN P434	NHZP434	23	33.9	4
KENNY'S CREEK PINNACLE P481	NDIP481	28	35.9	20
KILLAIN RAINMAN P1	KILP1	16	37.1	31
KNOWLA PACKER P130	BLAP130	11	36.9	30
KNOWLA PEPPER P91	BLAP91	44	34.8	8
MOSQUITO CREEK MAXIMUS M39	EGRM39	15	36.5	27
MURDEDUKE QUARTERBACK Q011	CSWQ011	23	35.0	9
NARANDA PIMP P5	WLGP5	27	36.1	24
NGAPUTAHU P206	NZE21095018P206	26	33.8	2
PATHFINDER PHAT CAT P516	SMPP516	24	37.7	32
PATHFINDER PREMIUM P41	SMPP41	25	36.4	26
RENNYLEA P987	NORP987	28	35.7	17
RENNYLEA Q213	NORQ213	16	35.7	17
RICHMOND HILL PLAY P52	TRHP52	31	35.9	20
SEVEN HILLS 410/18	NZE21159018410	24	35.9	20
SHACORRAHDALU KINETIC K11	APBK11	23	33.9	4
STONEY POINT PERRY P147	SYAP147	29	36.7	29
STORTH OAKS FULLY LOADED P23	NZE19507018P23	23	35.0	9
TE MANIA PESO P888	VTMP888	26	33.7	1
WAITARA PRINCETON P90	BSCP90	17	35.2	12



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	280.7	22
BONGONGO P212	NGXP212	28	279.1	5
BONGONGO P421	NGXP421	19	280.1	13
BOOROOMOOKA PARAGON P96	NGMP96	39	280.1	13
BOOROOMOOKA PRESIDENT P22	NGMP22	34	280.0	11
BRIDGEWATER QUANTUM Q007	BONQ007	26	280.2	15
CLUNIE RANGE PLANTATION P392	NBHP392	19	280.5	17
EF COMPLEMENT 8088	USA16198796	20	281.8	29
ESLEMONT GARTH Q15	WWEQ15	24	278.3	2
ESLEMONT QUOKKA Q24	WWEQ24	27	280.5	17
GB FIREBALL 672	USA18690054	25	281.6	28
HARDHAT KOD PUNCH M5 P156	DKKP156	24	278.4	3
HAZELDEAN MAVERICK M182	NHZM182	21	281.1	23
HAZELDEAN P434	NHZP434	26	281.1	23
KENNY'S CREEK PINNACLE P481	NDIP481	26	280.6	20
KILLAIN RAINMAN P1	KILP1	16	280.3	16
KNOWLA PACKER P130	BLAP130	10	280.5	17
KNOWLA PEPPER P91	BLAP91	34	281.3	26
MOSQUITO CREEK MAXIMUS M39	EGRM39	15	280.0	11
MURDEDUKE QUARTERBACK Q011	CSWQ011	24	279.8	9
NARANDA PIMP P5	WLGP5	27	278.7	4
NGAPUTAHU P206	NZE21095018P206	26	282.3	30
PATHFINDER PHAT CAT P516	SMPP516	23	280.6	20
PATHFINDER PREMIUM P41	SMPP41	23	281.1	23
RENNYLEA P987	NORP987	26	279.8	9
RENNYLEA Q213	NORQ213	17	279.6	7
RICHMOND HILL PLAY P52	TRHP52	31	283.7	33
SEVEN HILLS 410/18	NZE21159018410	24	282.4	31
SHACORRAHDALU KINETIC K11	APBK11	22	279.2	6
STONEY POINT PERRY P147	SYAP147	29	281.3	26
STORTH OAKS FULLY LOADED P23	NZE19507018P23	21	277.6	1
TE MANIA PESO P888	VTMP888	23	279.6	7
WAITARA PRINCETON P90	BSCP90	16	283.1	32



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - 200 Day Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	33	255.9	4
BONGONGO P212	NGXP212	27	252.1	9
BONGONGO P421	NGXP421	20	251.5	13
BOOROOMOOKA PARAGON P96	NGMP96	43	245.7	22
BOOROOMOOKA PRESIDENT P22	NGMP22	33	245.8	21
BRIDGEWATER QUANTUM Q007	BONQ007	28	251.0	14
CLUNIE RANGE PLANTATION P392	NBHP392	19	260.9	1
EF COMPLEMENT 8088	USA16198796	20	247.6	19
ESSLEMONT GARTH Q15	WWEQ15	25	256.7	2
ESSLEMONT QUOKKA Q24	WWEQ24	29	239.9	33
GB FIREBALL 672	USA18690054	25	251.6	12
HARDHAT KOD PUNCH M5 P156	DKKP156	20	254.8	5
HAZELDEAN MAVERICK M182	NHZM182	21	249.8	16
HAZELDEAN P434	NHZP434	25	242.5	31
KENNY'S CREEK PINNACLE P481	NDIP481	28	252.1	9
KILLAIN RAINMAN P1	KILP1	16	252.3	8
KNOWLA PACKER P130	BLAP130	10	253.9	6
KNOWLA PEPPER P91	BLAP91	38	248.3	18
MOSQUITO CREEK MAXIMUS M39	EGRM39	12	244.9	26
MURDEDUKE QUARTERBACK Q011	CSWQ011	21	244.0	27
NARANDA PIMP P5	WLGP5	25	250.3	15
NGAPUTAHU P206	NZE21095018P206	24	242.9	29
PATHFINDER PHAT CAT P516	SMPP516	23	245.5	23
PATHFINDER PREMIUM P41	SMPP41	25	256.2	3
RENNYLEA P987	NORP987	25	243.6	28
RENNYLEA Q213	NORQ213	17	253.0	7
RICHMOND HILL PLAY P52	TRHP52	31	245.4	24
SEVEN HILLS 410/18	NZE21159018410	24	245.1	25
SHACORRAHDALU KINETIC K11	APBK11	20	249.3	17
STONEY POINT PERRY P147	SYAP147	28	251.9	11
STORTH OAKS FULLY LOADED P23	NZE19507018P23	22	242.7	30
TE MANIA PESO P888	VTMP888	23	247.1	20
WAITARA PRINCETON P90	BSCP90	15	241.9	32



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - 400 Day Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	27	362.7	7
BONGONGO P212	NGXP212	25	358.7	14
BONGONGO P421	NGXP421	20	354.7	19
BOOROOMOOKA PARAGON P96	NGMP96	28	352.1	25
BOOROOMOOKA PRESIDENT P22	NGMP22	27	361.4	8
BRIDGEWATER QUANTUM Q007	BONQ007	23	353.1	23
CLUNIE RANGE PLANTATION P392	NBHP392	18	370.4	3
EF COMPLEMENT 8088	USA16198796	16	352.7	24
ESLEMONT GARTH Q15	WWEQ15	23	372.9	1
ESLEMONT QUOKKA Q24	WWEQ24	27	351.3	26
GB FIREBALL 672	USA18690054	17	357.4	15
HARDHAT KOD PUNCH M5 P156	DKKP156	18	354.3	20
HAZELDEAN MAVERICK M182	NHZM182	14	351.0	27
HAZELDEAN P434	NHZP434	22	346.7	30
KENNY'S CREEK PINNACLE P481	NDIP481	26	360.4	9
KILLAIN RAINMAN P1	KILP1	13	359.1	12
KNOWLA PACKER P130	BLAP130	9	365.2	5
KNOWLA PEPPER P91	BLAP91	26	366.9	4
MOSQUITO CREEK MAXIMUS M39	EGRM39	11	355.8	16
MURDEDUKE QUARTERBACK Q011	CSWQ011	16	350.9	28
NARANDA PIMP P5	WLGP5	24	355.8	16
NGAPUTAHU P206	NZE21095018P206	20	354.2	21
PATHFINDER PHAT CAT P516	SMPP516	19	345.1	32
PATHFINDER PREMIUM P41	SMPP41	21	372.9	1
RENNYLEA P987	NORP987	21	349.1	29
RENNYLEA Q213	NORQ213	16	359.8	11
RICHMOND HILL PLAY P52	TRHP52	26	363.7	6
SEVEN HILLS 410/18	NZE21159018410	18	346.7	30
SHACORRAHDALU KINETIC K11	APBK11	17	342.9	33
STONEY POINT PERRY P147	SYAP147	24	360.2	10
STORTH OAKS FULLY LOADED P23	NZE19507018P23	19	353.3	22
TE MANIA PESO P888	VTMP888	18	358.9	13
WAITARA PRINCETON P90	BSCP90	14	355.5	18



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - 600 Day Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	24	596.7	14
BONGONGO P212	NGXP212	21	573.3	31
BONGONGO P421	NGXP421	17	614.5	2
BOOROOMOOKA PARAGON P96	NGMP96	27	604.6	8
BOOROOMOOKA PRESIDENT P22	NGMP22	26	606.7	4
BRIDGEWATER QUANTUM Q007	BONQ007	25	595.0	18
CLUNIE RANGE PLANTATION P392	NBHP392	15	613.1	3
EF COMPLEMENT 8088	USA16198796	15	589.0	24
ESLEMONT GARTH Q15	WWEQ15	20	624.5	1
ESLEMONT QUOKKA Q24	WWEQ24	20	562.3	33
GB FIREBALL 672	USA18690054	21	603.9	9
HARDHAT KOD PUNCH M5 P156	DKKP156	15	596.8	13
HAZELDEAN MAVERICK M182	NHZM182	16	590.6	22
HAZELDEAN P434	NHZP434	20	582.6	28
KENNY'S CREEK PINNACLE P481	NDIP481	25	594.7	19
KILLAIN RAINMAN P1	KILP1	13	604.7	7
KNOWLA PACKER P130	BLAP130	9	595.5	16
KNOWLA PEPPER P91	BLAP91	21	595.5	16
MOSQUITO CREEK MAXIMUS M39	EGRM39	12	589.6	23
MURDEDUKE QUARTERBACK Q011	CSWQ011	19	595.6	15
NARANDA PIMP P5	WLGP5	19	597.1	12
NGAPUTAH I P206	NZE21095018P206	23	571.9	32
PATHFINDER PHAT CAT P516	SMPP516	21	593.2	21
PATHFINDER PREMIUM P41	SMPP41	22	604.8	6
RENNYLEA P987	NORP987	25	581.0	29
RENNYLEA Q213	NORQ213	12	605.2	5
RICHMOND HILL PLAY P52	TRHP52	28	588.8	25
SEVEN HILLS 410/18	NZE21159018410	19	588.4	26
SHACORRAHDALU KINETIC K11	APBK11	18	584.0	27
STONEY POINT PERRY P147	SYAP147	23	602.8	10
STORTH OAKS FULLY LOADED P23	NZE19507018P23	17	594.6	20
TE MANIA PESO P888	VTMP888	22	602.2	11
WAITARA PRINCETON P90	BSCP90	14	578.1	30



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Scan EMA (sq cm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	29	66.6	17
BONGONGO P212	NGXP212	23	64.2	32
BONGONGO P421	NGXP421	16	65.5	29
BOOROOMOOKA PARAGON P96	NGMP96	27	68.2	7
BOOROOMOOKA PRESIDENT P22	NGMP22	28	65.7	27
BRIDGEWATER QUANTUM Q007	BONQ007	25	66.3	19
CLUNIE RANGE PLANTATION P392	NBHP392	14	64.9	30
EF COMPLEMENT 8088	USA16198796	15	66.2	21
ESSELMONT GARTH Q15	WWEQ15	22	68.6	4
ESSELMONT QUOKKA Q24	WWEQ24	23	66.3	19
GB FIREBALL 672	USA18690054	22	67.4	12
HARDHAT KOD PUNCH M5 P156	DKKP156	15	67.8	8
HAZELDEAN MAVERICK M182	NHZM182	19	68.5	6
HAZELDEAN P434	NHZP434	22	64.8	31
KENNY'S CREEK PINNACLE P481	NDIP481	25	66.0	23
KILLAIN RAINMAN P1	KILP1	13	67.8	8
KNOWLA PACKER P130	BLAP130	10	68.8	3
KNOWLA PEPPER P91	BLAP91	21	69.7	1
MOSQUITO CREEK MAXIMUS M39	EGRM39	12	67.8	8
MURDEDUKE QUARTERBACK Q011	CSWQ011	17	65.6	28
NARANDA PIMP P5	WLGP5	18	67.4	12
NGAPUTAHU P206	NZE21095018P206	23	66.1	22
PATHFINDER PHAT CAT P516	SMPP516	21	67.8	8
PATHFINDER PREMIUM P41	SMPP41	23	68.6	4
RENNYLEA P987	NORP987	23	66.9	16
RENNYLEA Q213	NORQ213	15	69.3	2
RICHMOND HILL PLAY P52	TRHP52	29	66.6	17
SEVEN HILLS 410/18	NZE21159018410	21	66.0	23
SHACORRAHDALU KINETIC K11	APBK11	17	67.1	14
STONEY POINT PERRY P147	SYAP147	24	67.0	15
STORTH OAKS FULLY LOADED P23	NZE19507018P23	17	64.1	33
TE MANIA PESO P888	VTMP888	21	66.0	23
WAITARA PRINCETON P90	BSCP90	14	65.9	26



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Scan Rib Fat (mm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	28	6.3	15
BONGONGO P212	NGXP212	21	6.8	2
BONGONGO P421	NGXP421	16	6.8	2
BOOROOMOOKA PARAGON P96	NGMP96	27	6.1	20
BOOROOMOOKA PRESIDENT P22	NGMP22	28	6.7	5
BRIDGEWATER QUANTUM Q007	BONQ007	25	6.2	17
CLUNIE RANGE PLANTATION P392	NBHP392	14	5.8	28
EF COMPLEMENT 8088	USA16198796	15	6.4	11
ESSELMONT GARTH Q15	WWEQ15	22	6.0	22
ESSELMONT QUOKKA Q24	WWEQ24	22	6.2	17
GB FIREBALL 672	USA18690054	22	5.5	30
HARDHAT KOD PUNCH M5 P156	DKKP156	15	6.4	11
HAZELDEAN MAVERICK M182	NHZM182	19	6.4	11
HAZELDEAN P434	NHZP434	22	6.0	22
KENNY'S CREEK PINNACLE P481	NDIP481	25	5.9	26
KILLAIN RAINMAN P1	KILP1	13	4.8	33
KNOWLA PACKER P130	BLAP130	10	6.6	7
KNOWLA PEPPER P91	BLAP91	21	6.4	11
MOSQUITO CREEK MAXIMUS M39	EGRM39	12	6.2	17
MURDEDUKE QUARTERBACK Q011	CSWQ011	17	6.0	22
NARANDA PIMP P5	WLGP5	17	6.6	7
NGAPUTAH I P206	NZE21095018P206	22	6.5	9
PATHFINDER PHAT CAT P516	SMPP516	21	5.3	31
PATHFINDER PREMIUM P41	SMPP41	22	6.5	9
RENNYLEA P987	NORP987	22	7.2	1
RENNYLEA Q213	NORQ213	14	6.8	2
RICHMOND HILL PLAY P52	TRHP52	29	5.3	31
SEVEN HILLS 410/18	NZE21159018410	21	6.1	20
SHACORRAHDALU KINETIC K11	APBK11	15	6.7	5
STONEY POINT PERRY P147	SYAP147	24	5.8	28
STORTH OAKS FULLY LOADED P23	NZE19507018P23	17	6.0	22
TE MANIA PESO P888	VTMP888	21	6.3	15
WAITARA PRINCETON P90	BSCP90	14	5.9	26



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Scan Rump Fat (mm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	29	8.4	17
BONGONGO P212	NGXP212	20	9.7	2
BONGONGO P421	NGXP421	14	10.0	1
BOOROOMOOKA PARAGON P96	NGMP96	27	8.7	13
BOOROOMOOKA PRESIDENT P22	NGMP22	28	9.2	8
BRIDGEWATER QUANTUM Q007	BONQ007	25	8.1	25
CLUNIE RANGE PLANTATION P392	NBHP392	12	8.7	13
EF COMPLEMENT 8088	USA16198796	15	8.3	20
ESSELMONT GARTH Q15	WWEQ15	22	8.3	20
ESSELMONT QUOKKA Q24	WWEQ24	23	8.7	13
GB FIREBALL 672	USA18690054	22	8.0	26
HARDHAT KOD PUNCH M5 P156	DKKP156	15	9.4	5
HAZELDEAN MAVERICK M182	NHZM182	19	8.0	26
HAZELDEAN P434	NHZP434	22	8.0	26
KENNY'S CREEK PINNACLE P481	NDIP481	24	8.7	13
KILLAIN RAINMAN P1	KILP1	13	7.7	32
KNOWLA PACKER P130	BLAP130	10	8.4	17
KNOWLA PEPPER P91	BLAP91	21	9.0	11
MOSQUITO CREEK MAXIMUS M39	EGRM39	11	9.4	5
MURDEDUKE QUARTERBACK Q011	CSWQ011	17	9.1	10
NARANDA PIMP P5	WLGP5	18	8.4	17
NGAPUTAHU P206	NZE21095018P206	23	8.9	12
PATHFINDER PHAT CAT P516	SMPP516	21	7.9	31
PATHFINDER PREMIUM P41	SMPP41	22	9.5	4
RENNYLEA P987	NORP987	22	9.4	5
RENNYLEA Q213	NORQ213	14	9.6	3
RICHMOND HILL PLAY P52	TRHP52	28	7.6	33
SEVEN HILLS 410/18	NZE21159018410	21	8.0	26
SHACORRAHDALU KINETIC K11	APBK11	16	9.2	8
STONEY POINT PERRY P147	SYAP147	24	8.3	20
STORTH OAKS FULLY LOADED P23	NZE19507018P23	17	8.0	26
TE MANIA PESO P888	VTMP888	21	8.2	24
WAITARA PRINCETON P90	BSCP90	14	8.3	20



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Scan IMF (%)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	29	6.4	21
BONGONGO P212	NGXP212	23	6.8	3
BONGONGO P421	NGXP421	16	6.6	13
BOOROOMOOKA PARAGON P96	NGMP96	27	6.9	1
BOOROOMOOKA PRESIDENT P22	NGMP22	28	6.5	15
BRIDGEWATER QUANTUM Q007	BONQ007	25	6.2	27
CLUNIE RANGE PLANTATION P392	NBHP392	14	6.8	3
EF COMPLEMENT 8088	USA16198796	15	6.2	27
ESSELMONT GARTH Q15	WWEQ15	22	6.5	15
ESSELMONT QUOKKA Q24	WWEQ24	23	6.6	13
GB FIREBALL 672	USA18690054	22	6.5	15
HARDHAT KOD PUNCH M5 P156	DKKP156	15	6.5	15
HAZELDEAN MAVERICK M182	NHZM182	19	6.8	3
HAZELDEAN P434	NHZP434	22	6.3	24
KENNY'S CREEK PINNACLE P481	NDIP481	25	6.9	1
KILLAIN RAINMAN P1	KILP1	13	5.6	33
KNOWLA PACKER P130	BLAP130	10	5.9	32
KNOWLA PEPPER P91	BLAP91	21	6.8	3
MOSQUITO CREEK MAXIMUS M39	EGRM39	12	6.7	9
MURDEDUKE QUARTERBACK Q011	CSWQ011	17	6.8	3
NARANDA PIMP P5	WLGP5	18	6.8	3
NGAPUTAHU P206	NZE21095018P206	23	6.5	15
PATHFINDER PHAT CAT P516	SMPP516	21	6.5	15
PATHFINDER PREMIUM P41	SMPP41	23	6.7	9
RENNYLEA P987	NORP987	24	6.7	9
RENNYLEA Q213	NORQ213	15	6.4	21
RICHMOND HILL PLAY P52	TRHP52	29	6.3	24
SEVEN HILLS 410/18	NZE21159018410	21	6.2	27
SHACORRAHDALU KINETIC K11	APBK11	17	6.2	27
STONEY POINT PERRY P147	SYAP147	24	6.4	21
STORTH OAKS FULLY LOADED P23	NZE19507018P23	17	6.3	24
TE MANIA PESO P888	VTMP888	21	6.1	31
WAITARA PRINCETON P90	BSCP90	14	6.7	9



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Carcase Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	14	498.5	11
BONGONGO P212	NGXP212	10	485.3	27
BONGONGO P421	NGXP421	11	497.3	13
BOOROOMOOKA PARAGON P96	NGMP96	15	513.5	3
BOOROOMOOKA PRESIDENT P22	NGMP22	16	500.6	9
BRIDGEWATER QUANTUM Q007	BONQ007	18	505.0	6
CLUNIE RANGE PLANTATION P392	NBHP392	9	496.4	14
EF COMPLEMENT 8088	USA16198796	6	495.5	15
ESLEMONT GARTH Q15	WWEQ15	11	489.0	23
ESLEMONT QUOKKA Q24	WWEQ24	14	486.6	26
GB FIREBALL 672	USA18690054	10	489.5	22
HARDHAT KOD PUNCH M5 P156	DKKP156	10	493.4	16
HAZELDEAN MAVERICK M182	NHZM182	10	497.4	12
HAZELDEAN P434	NHZP434	14	479.6	31
KENNY'S CREEK PINNACLE P481	NDIP481	11	506.2	4
KILLAIN RAINMAN P1	KILP1	7	506.1	5
KNOWLA PACKER P130	BLAP130	7	500.4	10
KNOWLA PEPPER P91	BLAP91	15	482.5	29
MOSQUITO CREEK MAXIMUS M39	EGRM39	4	492.7	18
MURDEDUKE QUARTERBACK Q011	CSWQ011	6	493.3	17
NARANDA PIMP P5	WLGP5	14	504.0	7
NGAPUTAHU P206	NZE21095018P206	11	474.9	33
PATHFINDER PHAT CAT P516	SMPP516	5	482.9	28
PATHFINDER PREMIUM P41	SMPP41	10	475.5	32
RENNYLEA P987	NORP987	8	487.0	25
RENNYLEA Q213	NORQ213	6	525.6	1
RICHMOND HILL PLAY P52	TRHP52	17	491.6	20
SEVEN HILLS 410/18	NZE21159018410	10	488.0	24
SHACORRAHDALU KINETIC K11	APBK11	5	492.3	19
STONEY POINT PERRY P147	SYAP147	13	515.6	2
STORTH OAKS FULLY LOADED P23	NZE19507018P23	12	481.4	30
TE MANIA PESO P888	VTMP888	9	491.5	21
WAITARA PRINCETON P90	BSCP90	9	502.7	8



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Carcase EMA (sq cm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	14	91.3	16
BONGONGO P212	NGXP212	10	90.9	18
BONGONGO P421	NGXP421	11	94.6	8
BOOROOMOOKA PARAGON P96	NGMP96	15	97.2	4
BOOROOMOOKA PRESIDENT P22	NGMP22	16	89.7	26
BRIDGEWATER QUANTUM Q007	BONQ007	18	90.6	22
CLUNIE RANGE PLANTATION P392	NBHP392	9	85.2	32
EF COMPLEMENT 8088	USA16198796	6	90.7	20
ESLEMONT GARTH Q15	WWEQ15	11	90.8	19
ESLEMONT QUOKKA Q24	WWEQ24	14	94.7	7
GB FIREBALL 672	USA18690054	10	94.6	8
HARDHAT KOD PUNCH M5 P156	DKKP156	10	98.4	2
HAZELDEAN MAVERICK M182	NHZM182	10	90.7	20
HAZELDEAN P434	NHZP434	14	87.7	29
KENNY'S CREEK PINNACLE P481	NDIP481	11	89.2	28
KILLAIN RAINMAN P1	KILP1	7	100.6	1
KNOWLA PACKER P130	BLAP130	7	86.0	31
KNOWLA PEPPER P91	BLAP91	15	92.6	14
MOSQUITO CREEK MAXIMUS M39	EGRM39	4	90.3	23
MURDEDUKE QUARTERBACK Q011	CSWQ011	6	86.5	30
NARANDA PIMP P5	WLGP5	14	91.8	15
NGAPUTAHU P206	NZE21095018P206	11	91.2	17
PATHFINDER PHAT CAT P516	SMPP516	5	97.6	3
PATHFINDER PREMIUM P41	SMPP41	10	90.1	24
RENNYLEA P987	NORP987	8	93.4	10
RENNYLEA Q213	NORQ213	6	93.2	11
RICHMOND HILL PLAY P52	TRHP52	17	92.7	13
SEVEN HILLS 410/18	NZE21159018410	10	89.7	26
SHACORRAHDALU KINETIC K11	APBK11	5	94.9	6
STONEY POINT PERRY P147	SYAP147	13	95.4	5
STORTH OAKS FULLY LOADED P23	NZE19507018P23	12	84.4	33
TE MANIA PESO P888	VTMP888	9	93.1	12
WAITARA PRINCETON P90	BSCP90	9	90.0	25



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Carcase Rump Fat (mm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	14	23.2	16
BONGONGO P212	NGXP212	10	28.6	1
BONGONGO P421	NGXP421	11	26.0	6
BOOROOMOOKA PARAGON P96	NGMP96	15	22.8	20
BOOROOMOOKA PRESIDENT P22	NGMP22	16	23.1	17
BRIDGEWATER QUANTUM Q007	BONQ007	18	23.0	18
CLUNIE RANGE PLANTATION P392	NBHP392	9	21.3	28
EF COMPLEMENT 8088	USA16198796	6	23.4	15
ESSLEMONT GARTH Q15	WWEQ15	11	21.9	24
ESSLEMONT QUOKKA Q24	WWEQ24	14	21.9	24
GB FIREBALL 672	USA18690054	10	20.3	30
HARDHAT KOD PUNCH M5 P156	DKKP156	10	27.1	3
HAZELDEAN MAVERICK M182	NHZM182	10	22.9	19
HAZELDEAN P434	NHZP434	14	21.1	29
KENNY'S CREEK PINNACLE P481	NDIP481	11	24.5	11
KILLAIN RAINMAN P1	KILP1	7	23.6	13
KNOWLA PACKER P130	BLAP130	7	22.6	21
KNOWLA PEPPER P91	BLAP91	15	19.9	32
MOSQUITO CREEK MAXIMUS M39	EGRM39	4	27.0	5
MURDEDUKE QUARTERBACK Q011	CSWQ011	6	22.6	21
NARANDA PIMP P5	WLGP5	14	25.0	8
NGAPUTAHU P206	NZE21095018P206	11	20.3	30
PATHFINDER PHAT CAT P516	SMPP516	5	18.0	33
PATHFINDER PREMIUM P41	SMPP41	10	27.2	2
RENNYLEA P987	NORP987	8	25.1	7
RENNYLEA Q213	NORQ213	6	24.4	12
RICHMOND HILL PLAY P52	TRHP52	17	23.6	13
SEVEN HILLS 410/18	NZE21159018410	10	21.9	24
SHACORRAHDALU KINETIC K11	APBK11	5	21.5	27
STONEY POINT PERRY P147	SYAP147	13	24.9	9
STORTH OAKS FULLY LOADED P23	NZE19507018P23	12	22.3	23
TE MANIA PESO P888	VTMP888	9	27.1	3
WAITARA PRINCETON P90	BSCP90	9	24.6	10



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Carcase Rib Fat (mm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	14	12.4	30
BONGONGO P212	NGXP212	10	16.4	4
BONGONGO P421	NGXP421	11	18.9	1
BOOROOMOOKA PARAGON P96	NGMP96	15	13.4	27
BOOROOMOOKA PRESIDENT P22	NGMP22	16	13.5	26
BRIDGEWATER QUANTUM Q007	BONQ007	18	15.4	15
CLUNIE RANGE PLANTATION P392	NBHP392	9	16.2	9
EF COMPLEMENT 8088	USA16198796	6	16.2	9
ESSELMONT GARTH Q15	WWEQ15	11	13.0	29
ESSELMONT QUOKKA Q24	WWEQ24	14	14.8	19
GB FIREBALL 672	USA18690054	10	13.4	27
HARDHAT KOD PUNCH M5 P156	DKKP156	10	14.9	18
HAZELDEAN MAVERICK M182	NHZM182	10	14.6	22
HAZELDEAN P434	NHZP434	14	16.6	3
KENNY'S CREEK PINNACLE P481	NDIP481	11	16.4	4
KILLAIN RAINMAN P1	KILP1	7	10.9	33
KNOWLA PACKER P130	BLAP130	7	16.3	7
KNOWLA PEPPER P91	BLAP91	15	16.3	7
MOSQUITO CREEK MAXIMUS M39	EGRM39	4	15.5	14
MURDEDUKE QUARTERBACK Q011	CSWQ011	6	14.7	20
NARANDA PIMP P5	WLGP5	14	14.3	24
NGAPUTAHU P206	NZE21095018P206	11	13.9	25
PATHFINDER PHAT CAT P516	SMPP516	5	11.8	32
PATHFINDER PREMIUM P41	SMPP41	10	15.7	13
RENNYLEA P987	NORP987	8	14.7	20
RENNYLEA Q213	NORQ213	6	15.8	12
RICHMOND HILL PLAY P52	TRHP52	17	12.0	31
SEVEN HILLS 410/18	NZE21159018410	10	15.0	17
SHACORRAHDALU KINETIC K11	APBK11	5	16.8	2
STONEY POINT PERRY P147	SYAP147	13	14.4	23
STORTH OAKS FULLY LOADED P23	NZE19507018P23	12	16.4	4
TE MANIA PESO P888	VTMP888	9	16.2	9
WAITARA PRINCETON P90	BSCP90	9	15.2	16



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Carcase IMF (%)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	14	8.4	26
BONGONGO P212	NGXP212	10	10.6	7
BONGONGO P421	NGXP421	11	9.9	13
BOOROOMOOKA PARAGON P96	NGMP96	15	7.9	30
BOOROOMOOKA PRESIDENT P22	NGMP22	16	9.0	21
BRIDGEWATER QUANTUM Q007	BONQ007	18	8.3	27
CLUNIE RANGE PLANTATION P392	NBHP392	9	10.7	6
EF COMPLEMENT 8088	USA16198796	6	8.3	27
ESSLEMONT GARTH Q15	WWEQ15	11	10.3	9
ESSLEMONT QUOKKA Q24	WWEQ24	14	9.0	21
GB FIREBALL 672	USA18690054	10	12.1	3
HARDHAT KOD PUNCH M5 P156	DKKP156	10	9.6	17
HAZELDEAN MAVERICK M182	NHZM182	10	8.7	24
HAZELDEAN P434	NHZP434	14	7.7	31
KENNY'S CREEK PINNACLE P481	NDIP481	11	10.9	5
KILLAIN RAINMAN P1	KILP1	7	6.5	32
KNOWLA PACKER P130	BLAP130	7	8.0	29
KNOWLA PEPPER P91	BLAP91	15	8.6	25
MOSQUITO CREEK MAXIMUS M39	EGRM39	4	9.4	18
MURDEDUKE QUARTERBACK Q011	CSWQ011	5	10.2	11
NARANDA PIMP P5	WLGP5	14	9.2	20
NGAPUTAHU P206	NZE21095018P206	11	11.3	4
PATHFINDER PHAT CAT P516	SMPP516	5	13.5	1
PATHFINDER PREMIUM P41	SMPP41	10	10.3	9
RENNYLEA P987	NORP987	8	12.2	2
RENNYLEA Q213	NORQ213	6	6.4	33
RICHMOND HILL PLAY P52	TRHP52	17	9.7	15
SEVEN HILLS 410/18	NZE21159018410	10	10.4	8
SHACORRAHDALU KINETIC K11	APBK11	5	9.7	15
STONEY POINT PERRY P147	SYAP147	13	9.8	14
STORTH OAKS FULLY LOADED P23	NZE19507018P23	11	9.4	18
TE MANIA PESO P888	VTMP888	9	8.9	23
WAITARA PRINCETON P90	BSCP90	9	10.1	12



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Net Feed Intake (kg/day)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	14	-1.9	19
BONGONGO P212	NGXP212	11	-2.2	13
BONGONGO P421	NGXP421	11	-2.0	15
BOOROOMOOKA PARAGON P96	NGMP96	16	-1.5	29
BOOROOMOOKA PRESIDENT P22	NGMP22	16	-2.0	15
BRIDGEWATER QUANTUM Q007	BONQ007	18	-2.0	15
CLUNIE RANGE PLANTATION P392	NBHP392	9	-2.6	3
EF COMPLEMENT 8088	USA16198796	6	-1.6	27
ESSELMONT GARTH Q15	WWEQ15	12	-2.4	8
ESSELMONT QUOKKA Q24	WWEQ24	15	-1.5	29
GB FIREBALL 672	USA18690054	11	-1.4	31
HARDHAT KOD PUNCH M5 P156	DKKP156	10	-2.6	3
HAZELDEAN MAVERICK M182	NHBM182	10	-2.4	8
HAZELDEAN P434	NHBP434	13	-2.0	15
KENNY'S CREEK PINNACLE P481	NDIP481	12	-1.7	25
KILLAIN RAINMAN P1	KILP1	6	-1.6	27
KNOWLA PACKER P130	BLAP130	6	-2.7	2
KNOWLA PEPPER P91	BLAP91	13	-2.5	6
MOSQUITO CREEK MAXIMUS M39	EGRM39	4	-2.3	10
MURDEDUKE QUARTERBACK Q011	CSWQ011	6	-2.2	13
NARANDA PIMP P5	WLGP5	15	-2.5	6
NGAPUTAH P206	NZE21095018P206	11	-2.3	10
PATHFINDER PHAT CAT P516	SMPP516	7	-1.9	19
PATHFINDER PREMIUM P41	SMPP41	11	-2.3	10
RENNYLEA P987	NORP987	8	-1.9	19
RENNYLEA Q213	NORQ213	7	-1.9	19
RICHMOND HILL PLAY P52	TRHP52	17	-2.6	3
SEVEN HILLS 410/18	NZE21159018410	11	-1.9	19
SHACORRAHDALU KINETIC K11	APBK11	5	-1.7	25
STONEY POINT PERRY P147	SYAP147	13	-1.9	19
STORTH OAKS FULLY LOADED P23	NZE19507018P23	13	-1.4	31
TE MANIA PESO P888	VTMP888	12	-2.9	1
WAITARA PRINCETON P90	BSCP90	9	-1.4	31



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - MSA Marble Score (Score)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	14	464.8	22
BONGONGO P212	NGXP212	10	533.5	5
BONGONGO P421	NGXP421	11	467.9	21
BOOROOMOOKA PARAGON P96	NGMP96	15	482.4	17
BOOROOMOOKA PRESIDENT P22	NGMP22	16	464.5	23
BRIDGEWATER QUANTUM Q007	BONQ007	18	436.5	28
CLUNIE RANGE PLANTATION P392	NBHP392	9	509.2	12
EF COMPLEMENT 8088	USA16198796	6	479.0	19
ESSLEMONT GARTH Q15	WWEQ15	11	534.5	4
ESSLEMONT QUOKKA Q24	WWEQ24	14	451.7	26
GB FIREBALL 672	USA18690054	10	564.3	2
HARDHAT KOD PUNCH M5 P156	DKKP156	10	513.0	11
HAZELDEAN MAVERICK M182	NHZM182	10	445.9	27
HAZELDEAN P434	NHZP434	14	402.2	30
KENNY'S CREEK PINNACLE P481	NDIP481	10	491.2	15
KILLAIN RAINMAN P1	KILP1	7	395.8	31
KNOWLA PACKER P130	BLAP130	7	382.7	33
KNOWLA PEPPER P91	BLAP91	15	432.8	29
MOSQUITO CREEK MAXIMUS M39	EGRM39	4	486.3	16
MURDEDUKE QUARTERBACK Q011	CSWQ011	6	526.2	7
NARANDA PIMP P5	WLGP5	14	479.2	18
NGAPUTAH I P206	NZE21095018P206	11	517.5	9
PATHFINDER PHAT CAT P516	SMPP516	5	594.5	1
PATHFINDER PREMIUM P41	SMPP41	10	476.7	20
RENNYLEA P987	NORP987	8	540.1	3
RENNYLEA Q213	NORQ213	6	386.7	32
RICHMOND HILL PLAY P52	TRHP52	17	499.9	13
SEVEN HILLS 410/18	NZE21159018410	10	518.0	8
SHACORRAHDALU KINETIC K11	APBK11	5	495.1	14
STONEY POINT PERRY P147	SYAP147	13	515.2	10
STORTH OAKS FULLY LOADED P23	NZE19507018P23	12	461.2	25
TE MANIA PESO P888	VTMP888	9	463.6	24
WAITARA PRINCETON P90	BSCP90	9	531.7	6



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - MSA Ossification (Score)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	14	140.6	6
BONGONGO P212	NGXP212	10	152.7	26
BONGONGO P421	NGXP421	11	151.9	24
BOOROOMOOKA PARAGON P96	NGMP96	15	158.2	31
BOOROOMOOKA PRESIDENT P22	NGMP22	16	145.8	12
BRIDGEWATER QUANTUM Q007	BONQ007	18	154.1	30
CLUNIE RANGE PLANTATION P392	NBHP392	9	151.5	23
EF COMPLEMENT 8088	USA16198796	6	138.7	3
ESSELMONT GARTH Q15	WWEQ15	11	153.9	29
ESSELMONT QUOKKA Q24	WWEQ24	14	149.8	19
GB FIREBALL 672	USA18690054	10	141.7	7
HARDHAT KOD PUNCH M5 P156	DKKP156	10	149.1	18
HAZELDEAN MAVERICK M182	NHZM182	10	139.8	5
HAZELDEAN P434	NHZP434	14	143.3	9
KENNY'S CREEK PINNACLE P481	NDIP481	11	151.0	22
KILLAIN RAINMAN P1	KILP1	7	153.7	28
KNOWLA PACKER P130	BLAP130	7	146.3	13
KNOWLA PEPPER P91	BLAP91	15	134.9	1
MOSQUITO CREEK MAXIMUS M39	EGRM39	4	141.9	8
MURDEDUKE QUARTERBACK Q011	CSWQ011	6	152.9	27
NARANDA PIMP P5	WLGP5	14	150.9	20
NGAPUTAHU P206	NZE21095018P206	11	146.8	14
PATHFINDER PHAT CAT P516	SMPP516	5	139.3	4
PATHFINDER PREMIUM P41	SMPP41	10	147.5	16
RENNYLEA P987	NORP987	8	160.1	32
RENNYLEA Q213	NORQ213	6	146.8	15
RICHMOND HILL PLAY P52	TRHP52	17	145.3	11
SEVEN HILLS 410/18	NZE21159018410	10	144.6	10
SHACORRAHDALU KINETIC K11	APBK11	5	138.5	2
STONEY POINT PERRY P147	SYAP147	13	151.0	21
STORTH OAKS FULLY LOADED P23	NZE19507018P23	12	152.3	25
TE MANIA PESO P888	VTMP888	9	161.2	33
WAITARA PRINCETON P90	BSCP90	9	147.5	17



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - MSA Index (Index)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	14	65.8	20
BONGONGO P212	NGXP212	10	66.4	6
BONGONGO P421	NGXP421	11	65.7	21
BOOROOMOOKA PARAGON P96	NGMP96	15	65.9	18
BOOROOMOOKA PRESIDENT P22	NGMP22	16	65.7	21
BRIDGEWATER QUANTUM Q007	BONQ007	18	65.2	29
CLUNIE RANGE PLANTATION P392	NBHP392	9	66.0	15
EF COMPLEMENT 8088	USA16198796	6	66.4	6
ESSLEMONT GARTH Q15	WWEQ15	11	66.1	13
ESSLEMONT QUOKKA Q24	WWEQ24	14	65.2	29
GB FIREBALL 672	USA18690054	10	67.0	1
HARDHAT KOD PUNCH M5 P156	DKKP156	10	66.4	6
HAZELDEAN MAVERICK M182	NHZM182	10	65.6	23
HAZELDEAN P434	NHZP434	14	64.8	31
KENNY'S CREEK PINNACLE P481	NDIP481	11	66.4	6
KILLAIN RAINMAN P1	KILP1	7	64.3	33
KNOWLA PACKER P130	BLAP130	7	64.4	32
KNOWLA PEPPER P91	BLAP91	15	65.5	24
MOSQUITO CREEK MAXIMUS M39	EGRM39	4	66.2	12
MURDEDUKE QUARTERBACK Q011	CSWQ011	6	66.3	10
NARANDA PIMP P5	WLGP5	14	66.0	15
NGAPUTAHU P206	NZE21095018P206	11	65.9	18
PATHFINDER PHAT CAT P516	SMPP516	5	66.8	2
PATHFINDER PREMIUM P41	SMPP41	10	65.5	24
RENNYLEA P987	NORP987	8	66.1	13
RENNYLEA Q213	NORQ213	6	65.3	28
RICHMOND HILL PLAY P52	TRHP52	17	66.0	15
SEVEN HILLS 410/18	NZE21159018410	10	66.3	10
SHACORRAHDALU KINETIC K11	APBK11	5	66.7	5
STONEY POINT PERRY P147	SYAP147	13	66.8	2
STORTH OAKS FULLY LOADED P23	NZE19507018P23	12	65.4	26
TE MANIA PESO P888	VTMP888	9	65.4	26
WAITARA PRINCETON P90	BSCP90	9	66.8	2



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 MARRIES 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:

Dockility: Percentage of progeny displaying a crush dockility 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 structure of optimal score 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 structure of optimal score 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/>



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Docility (Score)

Sire Name	Sire ID	Number of Progeny	Progeny % Score 1-1.5	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	34	44.1	29
BONGONGO P212	NGXP212	28	53.6	25
BONGONGO P421	NGXP421	20	65.0	12
BOOROOMOOKA PARAGON P96	NGMP96	31	77.4	5
BOOROOMOOKA PRESIDENT P22	NGMP22	33	57.6	23
BRIDGEWATER QUANTUM Q007	BONQ007	28	64.3	14
CLUNIE RANGE PLANTATION P392	NBHP392	19	57.9	22
EF COMPLEMENT 8088	USA16198796	20	70.0	9
ESSELMONT GARTH Q15	WWEQ15	25	64.0	15
ESSELMONT QUOKKA Q24	WWEQ24	29	62.1	16
GB FIREBALL 672	USA18690054	26	34.6	31
HARDHAT KOD PUNCH M5 P156	DKKP156	20	45.0	27
HAZELDEAN MAVERICK M182	NHZM182	21	76.2	6
HAZELDEAN P434	NHZP434	25	60.0	18
KENNY'S CREEK PINNACLE P481	NDIP481	28	82.1	3
KILLAIN RAINMAN P1	KILP1	16	31.3	32
KNOWLA PACKER P130	BLAP130	10	40.0	30
KNOWLA PEPPER P91	BLAP91	27	29.6	33
MOSQUITO CREEK MAXIMUS M39	EGRM39	13	84.6	2
MURDEDUKE QUARTERBACK Q011	CSWQ011	22	81.8	4
NARANDA PIMP P5	WLGP5	26	53.8	24
NGAPUTAHU P206	NZE21095018P206	24	58.3	21
PATHFINDER PHAT CAT P516	SMPP516	23	65.2	11
PATHFINDER PREMIUM P41	SMPP41	25	60.0	18
RENNYLEA P987	NORP987	26	61.5	17
RENNYLEA Q213	NORQ213	17	58.8	20
RICHMOND HILL PLAY P52	TRHP52	31	64.5	13
SEVEN HILLS 410/18	NZE21159018410	24	70.8	8
SHACORRAHDALU KINETIC K11	APBK11	22	45.5	26
STONEY POINT PERRY P147	SYAP147	29	44.8	28
STORTH OAKS FULLY LOADED P23	NZE19507018P23	22	72.7	7
TE MANIA PESO P888	VTMP888	23	95.7	1
WAITARA PRINCETON P90	BSCP90	15	66.7	10



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Claw Set (Score)

Sire Name	Sire ID	Number of Progeny	Progeny % Score 5-6	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	16	50.0	24
BONGONGO P212	NGXP212	19	73.7	8
BONGONGO P421	NGXP421	10	50.0	24
BOOROOMOOKA PARAGON P96	NGMP96	20	60.0	17
BOOROOMOOKA PRESIDENT P22	NGMP22	19	89.5	3
BRIDGEWATER QUANTUM Q007	BONQ007	12	33.3	31
CLUNIE RANGE PLANTATION P392	NBHP392	11	81.8	5
EF COMPLEMENT 8088	USA16198796	13	61.5	16
ESSLEMONT GARTH Q15	WWEQ15	12	66.7	12
ESSLEMONT QUOKKA Q24	WWEQ24	9	55.6	22
GB FIREBALL 672	USA18690054	9	22.2	33
HARDHAT KOD PUNCH M5 P156	DKKP156	15	80.0	6
HAZELDEAN MAVERICK M182	NHZM182	15	66.7	12
HAZELDEAN P434	NHZP434	15	93.3	1
KENNY'S CREEK PINNACLE P481	NDIP481	18	27.8	32
KILLAIN RAINMAN P1	KILP1	8	50.0	24
KNOWLA PACKER P130	BLAP130	4	75.0	7
KNOWLA PEPPER P91	BLAP91	17	70.6	9
MOSQUITO CREEK MAXIMUS M39	EGRM39	10	60.0	17
MURDEDUKE QUARTERBACK Q011	CSWQ011	12	66.7	12
NARANDA PIMP P5	WLGP5	15	93.3	1
NGAPUTAH I P206	NZE21095018P206	13	69.2	11
PATHFINDER PHAT CAT P516	SMPP516	16	62.5	15
PATHFINDER PREMIUM P41	SMPP41	16	43.8	30
RENNYLEA P987	NORP987	19	52.6	23
RENNYLEA Q213	NORQ213	10	70.0	10
RICHMOND HILL PLAY P52	TRHP52	20	50.0	24
SEVEN HILLS 410/18	NZE21159018410	14	57.1	21
SHACORRAHDALU KINETIC K11	APBK11	13	46.2	29
STONEY POINT PERRY P147	SYAP147	15	60.0	17
STORTH OAKS FULLY LOADED P23	NZE19507018P23	7	85.7	4
TE MANIA PESO P888	VTMP888	17	58.8	20
WAITARA PRINCETON P90	BSCP90	8	50.0	24



Angus Sire Benchmarking Program - Progeny Performance Report

Cohort: 11 - Foot Angle (Score)

Sire Name	Sire ID	Number of Progeny	Progeny % Score 5-6	Rank
BEN NEVIS NEWSFLASH N239	NBNN239	16	87.5	12
BONGONGO P212	NGXP212	19	100.0	1
BONGONGO P421	NGXP421	10	80.0	22
BOOROOMOOKA PARAGON P96	NGMP96	20	80.0	22
BOOROOMOOKA PRESIDENT P22	NGMP22	19	84.2	18
BRIDGEWATER QUANTUM Q007	BONQ007	12	66.7	30
CLUNIE RANGE PLANTATION P392	NBHP392	11	100.0	1
EF COMPLEMENT 8088	USA16198796	13	84.6	16
ESSLEMONT GARTH Q15	WWEQ15	12	58.3	33
ESSLEMONT QUOKKA Q24	WWEQ24	9	100.0	1
GB FIREBALL 672	USA18690054	9	66.7	30
HARDHAT KOD PUNCH M5 P156	DKKP156	15	93.3	9
HAZELDEAN MAVERICK M182	NHZM182	15	86.7	14
HAZELDEAN P434	NHZP434	15	80.0	22
KENNY'S CREEK PINNACLE P481	NDIP481	18	94.4	6
KILLAIN RAINMAN P1	KILP1	8	62.5	32
KNOWLA PACKER P130	BLAP130	4	75.0	27
KNOWLA PEPPER P91	BLAP91	17	94.1	7
MOSQUITO CREEK MAXIMUS M39	EGRM39	10	80.0	22
MURDEDUKE QUARTERBACK Q011	CSWQ011	12	83.3	19
NARANDA PIMP P5	WLGP5	15	86.7	14
NGAPUTAH I P206	NZE21095018P206	13	92.3	11
PATHFINDER PHAT CAT P516	SMPP516	16	93.8	8
PATHFINDER PREMIUM P41	SMPP41	16	81.3	21
RENNYLEA P987	NORP987	19	73.7	28
RENNYLEA Q213	NORQ213	10	100.0	1
RICHMOND HILL PLAY P52	TRHP52	20	80.0	22
SEVEN HILLS 410/18	NZE21159018410	14	100.0	1
SHACORRAHDALU KINETIC K11	APBK11	13	84.6	16
STONEY POINT PERRY P147	SYAP147	15	93.3	9
STORTH OAKS FULLY LOADED P23	NZE19507018P23	7	71.4	29
TE MANIA PESO P888	VTMP888	17	82.4	20
WAITARA PRINCETON P90	BSCP90	8	87.5	12



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	Age
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)	8
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)	8
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)	8
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)	8
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)	8

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	35.4 (14)	280.7 (22)	255.9 (4)	362.7 (7)	596.7 (14)		66.6 (17)	6.3 (15)	8.4 (17)	6.4 (21)	498.5 (11)	91.3 (16)	8.4 (26)	-1.9 (19)	464.8 (22)	140.6 (6)	65.8 (20)	44.1 (29)	50.0 (24)	87.5 (12)	
NGXP212 BONGONGO P212	35.5 (16)	279.1 (5)	252.1 (9)	358.7 (14)	573.3 (2)		64.2 (32)	6.8 (2)	9.7 (2)	6.8 (3)	485.3 (18)	90.9 (18)	10.6 (7)	-2.2 (13)	533.5 (5)	152.7 (26)	66.4 (6)	53.6 (25)	73.7 (8)	100.0 (1)	
NGXP421 BONGONGO P421	34.4 (6)	280.1 (13)	251.5 (13)	354.7 (19)	614.5 (2)		65.5 (29)	6.8 (2)	10.0 (1)	6.6 (13)	497.3 (13)	94.6 (8)	9.9 (13)	-2.0 (15)	467.9 (21)	151.9 (24)	65.7 (21)	65.0 (12)	50.0 (24)	80.0 (22)	
NGMP96 BOOROOMOOKA PARAGON P96	35.4 (14)	280.1 (13)	245.7 (22)	352.1 (25)	604.6 (8)		68.2 (7)	6.1 (20)	8.7 (13)	6.9 (1)	513.5 (3)	97.2 (4)	7.9 (30)	-1.5 (29)	482.4 (17)	158.2 (31)	65.9 (18)	77.4 (5)	60.0 (17)	80.0 (22)	
NGMP22 BOOROOMOOKA PRESIDENT P22	36.0 (23)	280.0 (11)	245.8 (21)	361.4 (8)	606.7 (4)		65.7 (27)	6.7 (5)	9.2 (8)	6.5 (15)	500.6 (9)	89.7 (26)	9.0 (21)	-2.0 (15)	464.5 (23)	145.8 (12)	65.7 (21)	57.6 (23)	89.5 (3)	84.2 (18)	
BONQ007 BRIDGEWATER QUANTUM Q007	36.1 (24)	280.2 (15)	251.0 (14)	353.1 (23)	595.0 (18)		66.3 (19)	6.2 (17)	8.1 (25)	6.2 (27)	505.0 (6)	90.6 (22)	8.3 (27)	-2.0 (15)	436.5 (28)	154.1 (30)	65.2 (29)	64.3 (14)	33.3 (31)	66.7 (30)	
NBHP392 CLUNIE RANGE PLANTATION P392	35.8 (19)	280.5 (17)	260.9 (1)	370.4 (3)	613.1 (3)		64.9 (30)	5.8 (28)	8.7 (13)	6.8 (3)	496.4 (14)	85.2 (32)	10.7 (6)	-2.6 (3)	509.2 (12)	151.5 (23)	66.0 (15)	57.9 (22)	81.8 (5)	100.0 (1)	
USA16198796 EF COMPLEMENT 8088	33.8 (2)	281.8 (29)	247.6 (19)	352.7 (24)	589.0 (24)		66.2 (21)	6.4 (11)	8.3 (20)	6.2 (27)	495.5 (15)	90.7 (20)	8.3 (27)	-1.6 (27)	479.0 (19)	138.7 (3)	66.4 (6)	70.0 (9)	61.5 (16)	84.6 (16)	
WWEQ15 ESSLEMONT GARTH Q15	37.8 (33)	278.3 (2)	256.7 (2)	372.9 (1)	624.5 (1)		68.6 (4)	6.0 (22)	8.3 (20)	6.5 (15)	489.0 (23)	90.8 (19)	10.3 (9)	-2.4 (8)	534.5 (4)	153.9 (29)	66.1 (13)	64.0 (15)	66.7 (12)	58.3 (33)	
WWEQ24 ESSLEMONT QUOKKA Q24	35.2 (12)	280.5 (17)	239.9 (33)	351.3 (26)	562.3 (33)		66.3 (19)	6.2 (17)	8.7 (13)	6.6 (13)	486.6 (26)	94.7 (7)	9.0 (21)	-1.5 (29)	451.7 (26)	149.8 (19)	65.2 (29)	62.1 (16)	55.6 (22)	100.0 (1)	
USA18690054 GB FIREBALL 672	35.0 (9)	281.6 (28)	251.6 (12)	357.4 (15)	603.9 (9)		67.4 (12)	5.5 (30)	8.0 (26)	6.5 (15)	489.5 (22)	94.6 (8)	12.1 (3)	-1.4 (31)	564.3 (2)	141.7 (7)	67.0 (1)	34.6 (31)	22.2 (33)	66.7 (30)	
DKKP156 HARDHAT KOD PUNCH M5 P156	36.6 (28)	278.4 (3)	254.8 (5)	354.3 (20)	596.8 (13)		67.8 (8)	6.4 (11)	9.4 (5)	6.5 (15)	493.4 (16)	98.4 (2)	9.6 (17)	-2.6 (3)	513.0 (11)	149.1 (18)	66.4 (6)	45.0 (27)	80.0 (6)	93.3 (9)	
NHZM182 HAZELDEAN MAVERICK M182	34.7 (7)	281.1 (23)	249.8 (16)	351.0 (27)	590.6 (22)		68.5 (6)	6.4 (11)	8.0 (26)	6.8 (3)	497.4 (12)	90.7 (20)	8.7 (24)	-2.4 (8)	445.9 (27)	139.8 (5)	65.6 (23)	76.2 (6)	66.7 (12)	86.7 (14)	
NHZP434 HAZELDEAN P434	33.9 (4)	281.1 (23)	242.5 (31)	346.7 (30)	582.6 (28)		64.8 (31)	6.0 (22)	8.0 (26)	6.3 (24)	479.6 (31)	87.7 (29)	7.7 (31)	-2.0 (15)	402.2 (30)	143.3 (9)	64.8 (31)	60.0 (18)	93.3 (1)	80.0 (22)	
NDIP481 KENNY'S CREEK PINNACLE P481	35.9 (20)	280.6 (20)	252.1 (9)	360.4 (9)	594.7 (19)		66.0 (23)	5.9 (26)	8.7 (13)	6.9 (1)	506.2 (4)	89.2 (28)	10.9 (5)	-1.7 (25)	491.2 (15)	151.0 (22)	66.4 (6)	82.1 (3)	27.8 (32)	94.4 (6)	
KILP1 KILLAIN RAINMAN P1	37.1 (31)	280.3 (16)	252.3 (8)	359.1 (12)	604.7 (7)		67.8 (8)	4.8 (33)	7.7 (32)	5.6 (33)	506.1 (5)	100.6 (1)	6.5 (32)	-1.6 (27)	395.8 (31)	153.7 (28)	64.3 (33)	31.3 (32)	50.0 (24)	62.5 (32)	
BLAP130 KNOWLA PACKER P130	36.9 (30)	280.5 (17)	253.9 (6)	365.2 (5)	595.5 (16)		68.8 (3)	6.6 (7)	8.4 (17)	5.9 (32)	500.4 (10)	86.0 (31)	8.0 (29)	-2.7 (2)	382.7 (33)	146.3 (13)	64.4 (32)	40.0 (30)	75.0 (7)	75.0 (27)	
BLAP91 KNOWLA PEPPER P91	34.8 (8)	281.3 (26)	248.3 (18)	366.9 (4)	595.5 (16)		69.7 (1)	6.4 (11)	9.0 (11)	6.8 (3)	482.5 (29)	92.6 (14)	8.6 (25)	-2.5 (6)	432.8 (29)	134.9 (1)	65.5 (24)	29.6 (33)	70.6 (9)	94.1 (7)	
EGRM39 MOSQUITO CREEK MAXIMUS M39	36.5 (27)	280.0 (11)	244.9 (26)	355.8 (16)	589.6 (23)		67.8 (8)	6.2 (17)	9.4 (5)	6.7 (9)	492.7 (18)	90.3 (23)	9.4 (18)	-2.3 (10)	486.3 (16)	141.9 (8)	66.2 (12)	84.6 (2)	60.0 (17)	80.0 (22)	
CSWQ011 MURDEDUKE QUARTERBACK Q011	35.0 (9)	279.8 (9)	244.0 (27)	350.9 (28)	595.6 (15)		65.6 (28)	6.0 (22)	9.1 (10)	6.8 (3)	493.3 (17)	86.5 (30)	10.2 (11)	-2.2 (13)	526.2 (7)	152.9 (27)	66.3 (10)	81.8 (4)	66.7 (12)	83.3 (19)	
WLG5 NARANDA PIMP P5	36.1 (24)	278.7 (4)	250.3 (15)	355.8 (16)	597.1 (12)		67.4 (12)	6.6 (7)	8.4 (17)	6.8 (3)	504.0 (7)	91.8 (15)	9.2 (20)	-2.5 (6)	479.2 (18)	150.9 (20)	66.0 (15)	53.8 (24)	93.3 (1)	86.7 (14)	
NZE21095018P206 NGAPUTAH P206	33.8 (2)	282.3 (30)	242.9 (29)	354.2 (21)	571.9 (32)		66.1 (22)	6.5 (9)	8.9 (12)	6.5 (15)	474.9 (33)	91.2 (17)	11.3 (4)	-2.3 (10)	517.5 (9)	146.8 (14)	65.9 (18)	58.3 (21)	69.2 (11)	92.3 (11)	



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
SMPP516 PATHFINDER PHAT CAT P516	37.7 (32)	280.6 (20)	245.5 (23)	345.1 (32)	593.2 (21)		67.8 (8)	5.3 (31)	7.9 (31)	6.5 (15)	482.9 (28)	97.6 (3)	13.5 (1)	-1.9 (19)	594.5 (1)	139.3 (4)	66.8 (2)	65.2 (11)	62.5 (15)	93.8 (8)	
SMPP41 PATHFINDER PREMIUM P41	36.4 (26)	281.1 (23)	256.2 (3)	372.9 (1)	604.8 (6)		68.6 (4)	6.5 (9)	9.5 (4)	6.7 (9)	475.5 (24)	90.1 (24)	10.3 (9)	-2.3 (10)	476.7 (20)	147.5 (16)	65.5 (24)	60.0 (18)	43.8 (30)	81.3 (21)	
NORP987 RENNYLEA P987	35.7 (17)	279.8 (9)	243.6 (28)	349.1 (29)	581.0 (29)		66.9 (16)	7.2 (1)	9.4 (5)	6.7 (9)	487.0 (25)	93.4 (10)	12.2 (2)	-1.9 (19)	540.1 (3)	160.1 (32)	66.1 (13)	61.5 (17)	52.6 (23)	73.7 (28)	
NORQ213 RENNYLEA Q213	35.7 (17)	279.6 (7)	253.0 (7)	359.8 (11)	605.2 (5)		69.3 (2)	6.8 (2)	9.6 (3)	6.4 (21)	525.6 (1)	93.2 (11)	6.4 (33)	-1.9 (19)	386.7 (32)	146.8 (15)	65.3 (28)	58.8 (20)	70.0 (10)	100.0 (1)	
TRHP52 RICHMOND HILL PLAY P52	35.9 (20)	283.7 (33)	245.4 (24)	363.7 (6)	588.8 (25)		66.6 (17)	5.3 (31)	7.6 (33)	6.3 (24)	491.6 (20)	92.7 (13)	9.7 (15)	-2.6 (3)	499.9 (13)	145.3 (11)	66.0 (15)	64.5 (13)	50.0 (24)	80.0 (22)	
NZE21159018410 SEVEN HILLS 410/18	35.9 (20)	282.4 (31)	245.1 (25)	346.7 (30)	588.4 (26)		66.0 (23)	6.1 (20)	8.0 (26)	6.2 (27)	488.0 (24)	89.7 (26)	10.4 (8)	-1.9 (19)	518.0 (8)	144.6 (10)	66.3 (10)	70.8 (8)	57.1 (21)	100.0 (1)	
APBK11 SHACORRAHDALU KINETIC K11	33.9 (4)	279.2 (6)	249.3 (17)	342.9 (33)	584.0 (27)		67.1 (14)	6.7 (5)	9.2 (8)	6.2 (27)	492.3 (19)	94.9 (6)	9.7 (15)	-1.7 (25)	495.1 (14)	138.5 (2)	66.7 (5)	45.5 (26)	46.2 (29)	84.6 (16)	
SYAP147 STONE POINT PERRY P147	36.7 (29)	281.3 (26)	251.9 (11)	360.2 (10)	602.8 (10)		67.0 (15)	5.8 (28)	8.3 (20)	6.4 (21)	515.6 (2)	95.4 (5)	9.8 (14)	-1.9 (19)	515.2 (10)	151.0 (21)	66.8 (2)	44.8 (28)	60.0 (17)	93.3 (9)	
NZE19507018P23 STORTH OAKS FULLY LOADED P23	35.0 (9)	277.6 (1)	242.7 (30)	353.3 (22)	594.6 (20)		64.1 (33)	6.0 (22)	8.0 (26)	6.3 (24)	481.4 (30)	84.4 (33)	9.4 (18)	-1.4 (31)	461.2 (25)	152.3 (25)	65.4 (26)	72.7 (7)	85.7 (4)	71.4 (29)	
VTMP888 TE MANIA PESO P888	33.7 (1)	279.6 (7)	247.1 (20)	358.9 (13)	602.2 (11)		66.0 (23)	6.3 (15)	8.2 (24)	6.1 (31)	491.5 (21)	93.1 (12)	8.9 (23)	-2.9 (1)	463.6 (24)	161.2 (33)	65.4 (26)	95.7 (1)	58.8 (20)	82.4 (20)	
BSCP90 WAITARA PRINCETON P90	35.2 (12)	283.1 (32)	241.9 (32)	355.5 (18)	578.1 (30)		65.9 (26)	5.9 (26)	8.3 (20)	6.7 (9)	502.7 (8)	90.0 (25)	10.1 (12)	-1.4 (31)	531.7 (6)	147.5 (17)	66.8 (2)	66.7 (10)	50.0 (24)	87.5 (12)	