



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
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.
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Stephen and Amity Chase, Waitara, Trangie, NSW.
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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, 3673
Bruce and Anna Allworth, Taloooby, Holbrook, NSW, 2644

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 objectives of the ASBP include:

1. Generate progeny test data on modern Angus bulls, particularly for hard to measure traits such as feed efficiency, abattoir carcass measurement, meat quality attributes & female reproduction.
2. Generate data for the validation & refinement of 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 carcass and beef quality attributes.

ASBP Progeny Performance Report

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

1. **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

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				+6.6	+8.2	-3.6	+3.6	+77	+123	+149	+131	+9	+2.8	-4.4	+82	+3.2	-2.5	-4.5	-0.3	+2.6	-0.23	+34	+0.54	+0.54	+0.78	\$277	\$452
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%		
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 2023 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	16	352	202	+0.1	+5.9	-5.5	+4.4	+57	+99	+130	+119	+22	+0.8	-3.6	+82	+6.8	-1.9	-1.8	+0.8	+1.3	-0.01	+15	+1.02	+1.10	+0.96	\$196	\$347
NGXP212 NORL508 NGXL13	BONGONGO P212 ^{SV} HBR	8	130	100	+5.8	+10.1	-6.9	+2.8	+51	+93	+118	+101	+23	+3.8	-7.2	+60	+2.8	+3.0	+2.4	-0.9	+4.2	+0.70	+8	+0.92	+0.94	+1.06	\$232	\$404
NGXP421 USA18229425 NGXM413	BONGONGO P421 ^{SV} APR	9	41	35	+9.7	+6.5	-6.8	+1.8	+57	+97	+122	+80	+24	+3.0	-6.5	+67	+10.1	+1.8	+1.2	+0.3	+3.1	+0.86	+20	+1.10	+1.04	+1.10	\$276	\$434
NGMP96 WWEL3 NGMM566	BOOROOMOOKA PARAGON P96 ^{PV} HBR	9	412	397	-0.1	+2.9	-7.2	+3.4	+59	+117	+158	+130	+29	+3.1	-8.0	+106	+12.6	-1.4	-0.3	+1.2	+3.0	+0.53	+40	+0.92	+1.00	+1.12	\$287	\$473
NGMP22 NGMK9 NGMK640	BOOROOMOOKA PRESIDENT P22 ^{PV} HBR	6	152	149	+0.0	+0.0	-7.4	+4.8	+55	+96	+133	+114	+22	+2.1	-6.8	+73	+8.1	+1.3	+1.0	+0.3	+2.9	+0.34	+17	+0.48	+0.64	+0.72	\$233	\$388
BONQ007 QMUM13 HIOL28	BRIDGEWATER QUANTUM Q007 ^{PV} HBR	6	40	40	-2.5	-1.6	-6.3	+5.4	+63	+99	+129	+102	+20	+0.3	-7.1	+82	+5.5	-0.8	-2.2	+0.3	+2.8	-0.02	+31	+1.02	+0.86	+1.08	\$242	\$380
NBHP392 USA17960722 NBHM516	CLUNIE RANGE PLANTATION P392 ^{SV} HBR	77	745	732	+7.2	+4.8	-6.1	+3.9	+68	+119	+144	+111	+24	+5.6	-5.2	+71	+1.5	-1.1	-1.4	-0.9	+3.2	+0.02	+17	+0.54	+0.88	+0.92	\$243	\$422
USA16198796 USA14686137 USA15452880	EF COMPLEMENT 8088 ^{PV} HBR	232	5312	86	+5.6	+9.4	-5.2	+2.9	+53	+98	+130	+96	+21	+1.3	-7.4	+76	+7.6	+1.2	+1.9	+0.4	+1.8	+0.55	+22	+0.96	+1.30	+1.14	\$262	\$430
WWEQ15 VTMG67 WWEN17	ESSLEMONT GARTH Q15 ^{PV} HBR	5	27	27	-1.8	+3.6	-10.0	+5.9	+60	+105	+145	+132	+29	+2.5	-6.6	+67	+7.8	-3.7	-3.7	+0.8	+3.1	-0.38	+39	+0.94	+1.12	+1.02	\$230	\$396
WWEQ24 WWEN12 WWEN7	ESSLEMONT QUOKKA Q24 ^{PV} HBR	6	65	65	+5.9	+1.3	-3.2	+2.4	+44	+83	+106	+65	+23	+4.2	-6.3	+63	+20.7	+1.0	+0.4	+2.3	+2.8	+1.02	+34	+0.78	+0.92	+0.94	\$279	\$414
USA18690054 USA17965471 USA18054344	GB FIREBALL 672 ^{PV} HBR	104	1790	1526	+2.3	+5.4	-5.0	+2.6	+63	+101	+127	+124	+12	+2.8	-5.8	+68	+13.1	-2.7	-3.7	+0.9	+4.8	-0.21	+4	+0.98	+0.92	+0.84	\$262	\$436
DKKP156 DKKM4 DKKM5	HARDHAT KOD PUNCH M5 P156 ^{PV} HBR	3	23	23	+4.8	+5.7	-9.7	+4.1	+57	+96	+122	+97	+16	+2.4	-5.3	+64	+9.7	-1.6	-3.5	+1.0	+1.8	-0.19	+14	+0.96	+1.02	+1.16	\$233	\$386
NHQM182 NHZJ140 NHZK807	HAZELDEAN MAVERICK M182 ^{SV} APR	7	194	76	+3.2	+7.0	-5.5	+2.6	+48	+93	+132	+104	+21	+3.6	-3.8	+79	+8.9	+0.4	+0.3	+0.0	+4.7	+1.23	+69	+0.48	+0.76	+1.04	\$217	\$372
NHQP434 NHZJ140 NHZL527	HAZELDEAN P434 ^{SV} APR	9	137	125	+10.0	+6.9	-7.7	+1.6	+47	+87	+116	+103	+18	+2.7	-6.2	+75	+6.5	-1.1	-3.4	+1.1	+3.1	+0.72	+40	+0.60	+1.04	+0.92	\$221	\$386
NDIP481 USA17354145 NDIL236	KENNY'S CREEK PINNACLE P481 ^{PV} HBR	17	177	165	+3.5	+1.1	-4.6	+2.9	+52	+91	+114	+74	+18	+0.4	-3.8	+65	+5.2	+1.1	+1.2	-1.1	+5.2	+0.87	+46	+0.84	+0.96	+0.92	\$221	\$346
Breed Average EBVs					+2.2	+2.7	-4.8	+4.1	+50	+90	+117	+101	+17	+2.1	-4.7	+66	+6.4	-0.1	-0.3	+0.5	+2.2	+0.19	+21	+0.85	+0.98	+1.03	+197	+340



Angus Australia - Sire Benchmarking Program - Cohort 11

January 2023 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	8	65	50	+0.0	-4.0	-7.1	+4.5	+63	+111	+136	+126	+15	+2.9	-3.7	+75	+9.0	-1.9	-2.4	+1.6	-1.1	-0.22	-2	+0.90	+1.04	+1.06	\$196	\$350
BLAP130 SRKK306 BLAK113	KNOWLA PACKER P130 ^{PV} HBR	7	23	23	+2.6	+0.6	-4.5	+5.0	+58	+105	+143	+119	+10	+1.0	-5.4	+88	+9.3	+0.5	+0.3	+0.7	+2.9	+0.33	+17	+0.82	+1.24	+1.06	\$253	\$419
BLAP91 HIOG18 BLAL06	KNOWLA PEPPER P91 ^{PV} HBR	13	81	81	+5.9	+4.2	-6.1	+3.9	+59	+114	+147	+154	+12	+1.6	-8.5	+78	+7.7	+1.8	+1.4	+0.7	+2.5	+0.40	-2	+1.02	+1.08	+0.80	\$270	\$486
EGRM39 HIOG18 EGRD9	MOSQUITO CREEK MAXIMUS M39 ^{SV} HBR	6	93	34	+5.9	+6.0	-7.4	+4.9	+60	+110	+140	+133	+18	+2.0	-8.1	+79	+6.8	+0.9	+0.3	+0.4	+2.2	+0.06	+9	+0.88	+0.96	+0.90	\$263	\$461
CSWQ011 VLYM518 CSWN026	MURDEDUKE QUARTERBACK Q011 ^{PV} HBR	88	1798	1798	+6.4	+2.2	-10.0	+2.6	+55	+103	+138	+121	+24	+4.5	-6.0	+76	+6.2	+0.6	+0.5	-0.6	+5.0	+0.68	+20	+0.78	+0.88	+0.96	\$235	\$414
WLG P5 USA18229425 WLG M24	NARANDA PIMP P5 ^{SV} APR	11	80	80	+10.8	+9.1	-11.0	+2.1	+51	+97	+128	+94	+23	+1.8	-3.6	+67	+5.3	+1.5	+1.4	-0.3	+3.1	+0.73	+4	+0.64	+0.76	+1.08	\$221	\$379
NZE21095018 HIOE7 NZE21095112H49	NGAPUTAH I P206 ^{SV} HBR	5	47	47	+10.7	+7.6	-2.0	-0.2	+42	+85	+99	+68	+27	+2.7	-6.4	+63	+7.1	+0.8	+0.2	+0.9	+3.5	+0.61	+20	+0.96	+1.06	+1.12	\$243	\$389
SMPP516 SMPM558 SMPJ282	PATHFINDER PHAT CAT P516 ^{SV} HBR	17	117	117	+2.9	+1.7	-8.6	+5.6	+55	+97	+134	+106	+29	+5.2	-8.6	+67	+8.7	-1.9	-0.6	+0.2	+4.4	+0.23	+44	+0.82	+1.12	+1.06	\$262	\$429
SMPP41 VTMG67 SMPM53	PATHFINDER PREMIUM P41 ^{SV} APR	7	85	79	+1.4	+6.8	-4.7	+4.9	+59	+105	+142	+129	+24	+4.1	-7.9	+56	+4.4	-0.3	+0.0	-0.1	+3.7	+0.13	+25	+0.88	+1.18	+1.22	\$246	\$429
NORP987 NORM763 NORM1184	RENNYLEA P987 ^{PV} APR	8	122	116	+9.2	+9.1	-8.6	+1.9	+51	+99	+132	+117	+16	+1.2	-4.4	+80	+5.2	+4.2	+3.0	-1.9	+8.3	+0.97	+17	+0.98	+0.94	+1.06	\$238	\$421
NORQ213 NORK907 NORL110	RENNYLEA Q213 ^{PV} APR	11	177	177	+10.7	+8.2	-7.6	+1.1	+64	+123	+159	+114	+29	+0.3	-8.0	+103	+10.5	-0.5	-0.9	+0.3	+3.8	+0.60	+28	+0.60	+0.78	+0.88	\$322	\$520
TRHP52 TRHL9 TRHH92	RICHMOND HILL PLAY P52 ^{SV} HBR	6	64	64	+3.2	+3.0	+0.1	+4.2	+47	+81	+107	+108	+14	+4.0	-4.3	+63	+9.5	-4.8	-5.4	+1.8	+2.4	-0.16	+29	+1.08	+0.94	+1.12	\$182	\$327
NZE21159018 NZE21159016295 NZE21159116096	SEVEN HILLS 410/18 ^{SV} HBR	5	40	36	-0.3	-1.8	-0.8	+3.3	+49	+95	+122	+95	+19	+1.4	-3.2	+72	+8.1	-0.4	+0.0	+0.2	+4.3	+0.63	+26	+0.60	+0.74	+1.10	\$207	\$336
APBK11 VTMB1 APBF2	SHACORRAHDALU KINETIC K11 ^{PV} HBR	8	71	52	+11.1	+11.2	-9.5	+0.8	+49	+91	+107	+98	+10	+5.0	-7.7	+60	+9.4	+2.3	+0.8	+0.9	+1.5	+0.69	+7	+1.00	+1.06	+0.98	\$241	\$423
SYAP147 USA17936442 SWAH233	STONE POINT PERRY P147 ^{PV} HBR	19	65	49	+5.5	+4.1	-5.3	+4.1	+57	+104	+129	+104	+23	+1.4	-5.5	+86	+11.5	-2.4	-3.3	+0.9	+3.6	-0.28	+17	+0.88	+0.80	+0.84	\$260	\$423
Breed Average EBVs					+2.2	+2.7	-4.8	+4.1	+50	+90	+117	+101	+17	+2.1	-4.7	+66	+6.4	-0.1	-0.3	+0.5	+2.2	+0.19	+21	+0.85	+0.98	+1.03	+197	+340



Angus Australia - Sire Benchmarking Program - Cohort 11

January 2023 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				+7.1	+8.5	-12.1	+1.6	+44	+85	+126	+121	+18	+2.7	-5.1	+64	+3.5	+1.5	+1.3	-0.8	+4.5	+0.45	+37	+0.66	+0.88	+1.00	\$187	\$363
NORL508	HBR	14	149	149	76%	58%	97%	96%	93%	91%	85%	81%	71%	88%	49%	77%	75%	77%	77%	71%	76%	63%	86%	69%	69%	68%		
NZE19507113J320					14	4	1	8	79	66	32	18	44	26	37	59	83	16	21	98	6	82	5	14	26	38	65	37
VTMP888	TE MANIA PESO P888 PV				+9.1	+4.9	-5.9	+1.6	+57	+118	+150	+135	+25	+2.3	-6.1	+91	+2.7	-0.1	+0.8	+0.1	+1.8	+0.57	+37	+0.88	+1.06	+0.98	\$235	\$434
VTMK226	HBR	17	390	275	81%	66%	98%	97%	96%	97%	93%	86%	74%	90%	53%	84%	86%	83%	85%	78%	84%	63%	94%	73%	73%	72%		
VTMH423					5	30	31	8	20	2	4	8	5	40	15	3	89	50	28	72	59	90	4	56	69	32	14	3
BSCP90	WAITARA PRINCETON P90 PV				+0.8	+3.9	-2.4	+4.6	+51	+94	+128	+91	+25	+2.1	-4.1	+79	+8.5	+0.0	-0.1	-0.1	+2.6	+0.26	+47	+0.58	+0.76	+1.00	\$205	\$339
GTNM6	HBR	12	99	82	71%	53%	96%	94%	92%	92%	85%	81%	69%	88%	45%	76%	76%	77%	77%	71%	77%	61%	89%	83%	83%	78%		
BSCJ2					67	41	85	62	46	38	28	67	5	49	67	17	24	47	45	82	36	61	1	7	8	38	46	56
Breed Average EBVs					+2.2	+2.7	-4.8	+4.1	+50	+90	+117	+101	+17	+2.1	-4.7	+66	+6.4	-0.1	-0.3	+0.5	+2.2	+0.19	+21	+0.85	+0.98	+1.03	+197	+340



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 HIGH...	...	3	...	13

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

Progeny Average = The average performance of this 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	31	34.6	15
BONGONGO P212	NGXP212	28	34.8	16
BONGONGO P421	NGXP421	21	33.8	6
BOOROOMOOKA PARAGON P96	NGMP96	31	34.5	12
BOOROOMOOKA PRESIDENT P22	NGMP22	34	35.3	22
BRIDGEWATER QUANTUM Q007	BONQ007	26	35.4	24
CLUNIE RANGE PLANTATION P392	NBHP392	19	35.1	18
EF COMPLEMENT 8088	USA16198796	21	33.1	1
ESSELMONT GARTH Q15	WWEQ15	25	37.1	32
ESSELMONT QUOKKA Q24	WWEQ24	28	34.5	12
GB FIREBALL 672	USA18690054	25	34.5	12
HARDHAT KOD PUNCH M5 P156	DKKP156	23	35.8	27
HAZELDEAN MAVERICK M182	NHZM182	21	33.9	7
HAZELDEAN P434	NHZP434	23	33.2	3
KENNY'S CREEK PINNACLE P481	NDIP481	28	35.3	22
KILLAIN RAINMAN P1	KILP1	16	36.3	31
KNOWLA PACKER P130	BLAP130	11	36.2	29
KNOWLA PEPPER P91	BLAP91	30	34.4	10
MOSQUITO CREEK MAXIMUS M39	EGRM39	15	35.9	28
MURDEDUKE QUARTERBACK Q011	CSWQ011	23	34.3	8
NARANDA PIMP P5	WLGP5	27	35.5	25
NGAPUTAHU P206	NZE21095018P206	26	33.2	3
PATHFINDER PHAT CAT P516	SMPP516	24	37.1	32
PATHFINDER PREMIUM P41	SMPP41	25	35.7	26
RENNYLEA P987	NORP987	26	35.2	20
RENNYLEA Q213	NORQ213	16	35.0	17
RICHMOND HILL PLAY P52	TRHP52	31	35.2	20
SEVEN HILLS 410/18	NZE21159018410	22	35.1	18
SHACORRAHDALU KINETIC K11	APBK11	21	33.4	5
STONEY POINT PERRY P147	SYAP147	28	36.2	29
STORTH OAKS FULLY LOADED P23	NZE19507018P23	23	34.4	10
TE MANIA PESO P888	VTMP888	25	33.1	1
WAITARA PRINCETON P90	BSCP90	15	34.3	8



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	281.4	22
BONGONGO P212	NGXP212	28	279.8	5
BONGONGO P421	NGXP421	18	281.2	16
BOOROOMOOKA PARAGON P96	NGMP96	29	281.0	14
BOOROOMOOKA PRESIDENT P22	NGMP22	33	280.7	11
BRIDGEWATER QUANTUM Q007	BONQ007	26	280.9	13
CLUNIE RANGE PLANTATION P392	NBHP392	19	281.3	19
EF COMPLEMENT 8088	USA16198796	20	282.5	28
ESSELMONT GARTH Q15	WWEQ15	24	279.0	2
ESSELMONT QUOKKA Q24	WWEQ24	27	281.2	16
GB FIREBALL 672	USA18690054	24	282.5	28
HARDHAT KOD PUNCH M5 P156	DKKP156	23	279.1	3
HAZELDEAN MAVERICK M182	NHZM182	21	281.9	24
HAZELDEAN P434	NHZP434	26	281.9	24
KENNY'S CREEK PINNACLE P481	NDIP481	26	281.3	19
KILLAIN RAINMAN P1	KILP1	16	281.0	14
KNOWLA PACKER P130	BLAP130	10	281.2	16
KNOWLA PEPPER P91	BLAP91	23	281.8	23
MOSQUITO CREEK MAXIMUS M39	EGRM39	15	280.7	11
MURDEDUKE QUARTERBACK Q011	CSWQ011	24	280.5	9
NARANDA PIMP P5	WLGP5	27	279.5	4
NGAPUTAHU P206	NZE21095018P206	26	283.1	30
PATHFINDER PHAT CAT P516	SMPP516	23	281.3	19
PATHFINDER PREMIUM P41	SMPP41	23	281.9	24
RENNYLEA P987	NORP987	24	280.6	10
RENNYLEA Q213	NORQ213	17	280.3	7
RICHMOND HILL PLAY P52	TRHP52	31	284.4	33
SEVEN HILLS 410/18	NZE21159018410	23	283.1	30
SHACORRAHDALU KINETIC K11	APBK11	21	280.1	6
STONEY POINT PERRY P147	SYAP147	28	282.1	27
STORTH OAKS FULLY LOADED P23	NZE19507018P23	21	278.3	1
TE MANIA PESO P888	VTMP888	23	280.3	7
WAITARA PRINCETON P90	BSCP90	14	284.3	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	31	256.6	5
BONGONGO P212	NGXP212	27	254.4	9
BONGONGO P421	NGXP421	19	253.7	13
BOOROOMOOKA PARAGON P96	NGMP96	31	244.4	31
BOOROOMOOKA PRESIDENT P22	NGMP22	31	247.3	25
BRIDGEWATER QUANTUM Q007	BONQ007	28	253.2	15
CLUNIE RANGE PLANTATION P392	NBHP392	19	261.2	1
EF COMPLEMENT 8088	USA16198796	20	249.5	20
ESSLEMONT GARTH Q15	WWEQ15	25	258.9	2
ESSLEMONT QUOKKA Q24	WWEQ24	29	242.2	33
GB FIREBALL 672	USA18690054	23	255.9	7
HARDHAT KOD PUNCH M5 P156	DKKP156	18	257.2	3
HAZELDEAN MAVERICK M182	NHZM182	20	253.8	12
HAZELDEAN P434	NHZP434	25	245.0	28
KENNY'S CREEK PINNACLE P481	NDIP481	27	254.4	9
KILLAIN RAINMAN P1	KILP1	16	254.3	11
KNOWLA PACKER P130	BLAP130	10	256.1	6
KNOWLA PEPPER P91	BLAP91	25	254.9	8
MOSQUITO CREEK MAXIMUS M39	EGRM39	11	247.7	21
MURDEDUKE QUARTERBACK Q011	CSWQ011	21	245.9	27
NARANDA PIMP P5	WLGP5	25	253.3	14
NGAPUTAHU P206	NZE21095018P206	24	245.0	28
PATHFINDER PHAT CAT P516	SMPP516	23	247.4	23
PATHFINDER PREMIUM P41	SMPP41	24	256.8	4
RENNYLEA P987	NORP987	23	246.4	26
RENNYLEA Q213	NORQ213	16	251.5	17
RICHMOND HILL PLAY P52	TRHP52	31	247.6	22
SEVEN HILLS 410/18	NZE21159018410	22	247.4	23
SHACORRAHDALU KINETIC K11	APBK11	19	250.1	18
STONEY POINT PERRY P147	SYAP147	27	253.2	15
STORTH OAKS FULLY LOADED P23	NZE19507018P23	22	245.0	28
TE MANIA PESO P888	VTMP888	22	249.7	19
WAITARA PRINCETON P90	BSCP90	13	243.7	32



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	32	43.8	29
BONGONGO P212	NGXP212	28	53.6	24
BONGONGO P421	NGXP421	19	63.2	16
BOOROOMOOKA PARAGON P96	NGMP96	31	77.4	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
ESSELMONT GARTH Q15	WWEQ15	25	64.0	15
ESSELMONT QUOKKA Q24	WWEQ24	29	62.1	17
GB FIREBALL 672	USA18690054	25	36.0	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
NGAPUTAHU 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	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	34.6 (15)	281.4 (22)	256.6 (5)															43.8 (29)			
NGXP212 BONGONGO P212	34.8 (16)	279.8 (5)	254.4 (9)															53.6 (24)			
NGXP421 BONGONGO P421	33.8 (6)	281.2 (16)	253.7 (13)															63.2 (16)			
NGMP96 BOOROOMOOKA PARAGON P96	34.5 (12)	281.0 (14)	244.4 (31)															77.4 (5)			
NGMP22 BOOROOMOOKA PRESIDENT P22	35.3 (22)	280.7 (11)	247.3 (25)															54.8 (23)			
BONQ007 BRIDGEWATER QUANTUM Q007	35.4 (24)	280.9 (13)	253.2 (15)															64.3 (14)			
NBHP392 CLUNIE RANGE PLANTATION P392	35.1 (18)	281.3 (19)	261.2 (1)															57.9 (21)			
USA16198796 EF COMPLEMENT 8088	33.1 (1)	282.5 (28)	249.5 (20)															70.0 (9)			
WWEQ15 ESSELMONT GARTH Q15	37.1 (32)	279.0 (2)	258.9 (2)															64.0 (15)			
WWEQ24 ESSELMONT QUOKKA Q24	34.5 (12)	281.2 (16)	242.2 (33)															62.1 (17)			
USA18690054 GB FIREBALL 672	34.5 (12)	282.5 (28)	255.9 (7)															36.0 (31)			
DKKP156 HARDHAT KOD PUNCH M5 P156	35.8 (27)	279.1 (3)	257.2 (3)															47.4 (28)			
NHZM182 HAZELDEAN MAVERICK M182	33.9 (7)	281.9 (24)	253.8 (12)															76.2 (6)			
NHZIP434 HAZELDEAN P434	33.2 (3)	281.9 (24)	245.0 (28)															60.0 (18)			
NDIP481 KENNY'S CREEK PINNACLE P481	35.3 (22)	281.3 (19)	254.4 (9)															81.5 (4)			
KILP1 KILLAIN RAINMAN P1	36.3 (31)	281.0 (14)	254.3 (11)															31.3 (32)			
BLAP130 KNOWLA PACKER P130	36.2 (29)	281.2 (16)	256.1 (6)															40.0 (30)			
BLAP91 KNOWLA PEPPER P91	34.4 (10)	281.8 (23)	254.9 (8)															28.0 (33)			
EGRM39 MOSQUITO CREEK MAXIMUS M39	35.9 (28)	280.7 (11)	247.7 (21)															84.6 (2)			
CSWQ011 MURDEDUKE QUARTERBACK Q011	34.3 (8)	280.5 (9)	245.9 (27)															81.8 (3)			
WLG5 NARANDA PIMP P5	35.5 (25)	279.5 (4)	253.3 (14)															52.0 (25)			
NZE21095018P206 NGAPUTAHU P206	33.2 (3)	283.1 (30)	245.0 (28)															58.3 (20)			



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	37.1 (32)	281.3 (19)	247.4 (23)															65.2 (12)			
SMPP41 PATHFINDER PREMIUM P41	35.7 (26)	281.9 (24)	256.8 (4)															60.0 (18)			
NORP987 RENNYLEA P987	35.2 (20)	280.6 (10)	246.4 (26)															66.7 (11)			
NORQ213 RENNYLEA Q213	35.0 (17)	280.3 (7)	251.5 (17)															56.3 (22)			
TRHP52 RICHMOND HILL PLAY P52	35.2 (20)	284.4 (33)	247.6 (22)															64.5 (13)			
NZE21159018410 SEVEN HILLS 410/18	35.1 (18)	283.1 (30)	247.4 (23)															72.7 (7)			
APBK11 SHACORRAHDALU KINETIC K11	33.4 (5)	280.1 (6)	250.1 (18)															50.0 (26)			
SYAP147 STONE POINT PERRY P147	36.2 (29)	282.1 (27)	253.2 (15)															48.1 (27)			
NZE19507018P23 STORTH OAKS FULLY LOADED P23	34.4 (10)	278.3 (1)	245.0 (28)															72.7 (7)			
VTMP888 TE MANIA PESO P888	33.1 (1)	280.3 (7)	249.7 (19)															95.5 (1)			
BSCP90 WAITARA PRINCETON P90	34.3 (8)	284.3 (32)	243.7 (32)															69.2 (10)			