



Shear Force

RESEARCH BREEDING VALUES

MID JUNE 2024

BACKGROUND

Angus Australia has partnered with the Animal Genetics and Breeding Unit (AGBU) and the Agricultural Business Research Institute (ABRI) to undertake research into the genetics of beef shear force in Australian Angus Cattle.

Shear Force, being an objective assessment of beef tenderness, has been identified as a trait of interest, as it is related to consumer eating experience.

As a result of this collaborative research, Shear Force RBVs are now routinely analyzed every two weeks in the TransTasman Angus Cattle Evaluation (TACE). To underpin this analysis, shear force measurements have been collected on beef samples from progeny in the Angus Sire Benchmarking Program. Angus animals, mostly steers, that are measured for shear force between 300 and 1000 days of age at slaughter are included in the analysis.

Shear Force measurements were collected using the laboratory assessed warner bratzler (WB) method. This involves measuring the force (in kg) it takes pull a blade through a piece of cooked meat. For this study, the samples are all collected from the Longissimus dorsi muscle at the 12th/13th rib grading site (i.e. cube role).



Study of the Angus Australia data by AGBU has demonstrated that a significant portion of the differences in beef shear force of individual animals can be attributed to genetics, having a moderate **heritability of 0.37**. Genetic correlations were not estimated due to the small current reference population size for this trait (n=1,169 as of May 2023).

From this collaborative research, couple with an initial reference population (phenotypes, genotypes and pedigree), it is now possible to generate breeding values for Shear Force and select animals for use within Angus breeding programs with desirable genetics for this trait.

UNDERSTANDING THE RESEARCH BREEDING VALUES

Shear Force Research Breeding Values (RBVs) are provided in this publication for sires with (i) at least 25% accuracy for their Shear Force RBV, and (ii) one or more progeny born in the last two years.

Shear Force (SF) RBVs are estimates of genetic differences between animals in objective beef tenderness.

SF RBVs are calculated from laboratory assessed beef shear force measurements using the Warner Bratzler (WB) method, pedigree and genomics. SF RBVs are expressed in kilograms of shear force that are required to pull a mechanical blade through a piece of cooked meat.

Lower, more negative, SF RBVs are more favourable, indicating that less shear force is required, and hence that the meat is more tender.

USING THE RESEARCH BREEDING VALUES IN SELECTION

The Research Breeding Values in this publication enable Angus breeders to select animals with desirable genetics for beef shear force, balanced with selection for other traits of importance within their breeding objective.

It is important to note that the Research Breeding Values are subject to greater potential change than EBVs routinely reported as part of the TransTasman Angus Cattle Evaluation (TACE) and should be used with caution in animal selection decisions.

Research Breeding Values may change as improvements are made to the analytical models that are used, and as additional performance information is collected.

ACKNOWLEDGEMENTS

Angus Australia gratefully acknowledges the contributions of Animal Genetics and Breeding Unit (AGBU) and the Agricultural Business Research Institute (ABRI), and in particular, Dr Gilbert Jeyaruban, Dr Steve Miller, Dr Natalie Connors, Dr Andrew Swan, Dr David Johnston and Dr Brad Crook, in the calculation of the Research Breeding Values that are included in this publication.

Angus Australia also acknowledges:

- Meat and Livestock Australia (MLA), particularly for the related R&D funding supplied to AGBU and for the Angus Sire Benchmarking program.
- The University of New England (UNE) Meat Science team particularly Dr Peter McGilchrist and Xuemei Han.

DISCLAIMER

The Research Breeding Values contained within this publication were calculated from data supplied to Angus Australia by members and/or third parties. Whilst every effort is made to ensure the accuracy of the data, Angus Australia, its officers and employees, assume no responsibility for the accuracy of the RBVs, nor the outcome (including consequential loss) of an action taken based on the information presented in this publication.

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 1

Ident	Name		Calv-Ease		Birth		Growth			Maternal			Fert		Carcase					Feed		Temp		Structural		Selection Index	
Sire Dam	Reg.	Shear Force	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	
USA15719841 USA13880818 USA15151449	A A R TEN X 7008 S A ^{SV} HBR	+0.31 43% 99	+4.0 96% 34	+7.0 90% 12	-4.5 99% 48	+2.8 98% 24	+59 98% 16	+106 98% 15	+137 98% 16	+108 97% 40	+19 98% 36	+2.2 98% 47	-3.2 84% 81	+77 96% 22	+5.8 95% 56	-3.3 95% 97	-6.8 95% 99	+0.9 94% 25	+2.4 95% 44	-0.09 89% 19	+12 97% 82	+1.44 99% 99	+1.02 99% 61	+0.80 94% 4	\$214 38	\$370 33	
NXOL172 NXOF43 NXOJ432	AJC L172 ^{SV} APR	-0.07 35% 41	+6.7 76% 13	+8.0 61% 6	-6.1 94% 24	+3.1 96% 30	+59 94% 15	+102 94% 22	+139 94% 13	+132 88% 12	+14 87% 75	+2.3 83% 43	-4.8 55% 45	+71 91% 38	+6.7 89% 45	-0.7 84% 63	+0.3 89% 38	+0.3 82% 60	+1.1 91% 79	-0.99 83% 1	+23 85% 40	+1.40 85% 99	+1.28 85% 96	+1.18 81% 89	\$216 35	\$404 12	
NXOL99 USA16073564 NXOJ112	AJC L99 ^{PV} APR	+0.08 40% 87	+5.5 84% 21	+0.6 74% 75	-5.4 96% 34	+4.8 97% 68	+61 96% 10	+109 96% 10	+145 96% 8	+112 92% 34	+21 93% 19	+3.3 91% 15	-6.8 62% 10	+96 93% 2	+8.6 91% 24	-2.0 90% 87	+0.9 91% 28	+0.4 81% 54	+2.4 92% 44	-0.33 86% 7	+16 90% 68	+1.18 91% 96	+1.04 91% 66	+0.92 87% 18	\$269 2	\$443 2	
ARRR11 CAN2043806 QMUN24	ALKIRA RENEGADE R11 ^{PV} HBR	+0.26 37% 99	+7.4 65% 9	+6.5 54% 16	-4.5 95% 48	+2.2 93% 15	+46 90% 74	+98 85% 33	+132 85% 24	+112 81% 34	+25 74% 6	+2.3 80% 43	-7.0 40% 9	+62 75% 65	+8.0 69% 30	+1.3 70% 20	+0.3 70% 38	+0.2 61% 66	+2.0 74% 55	+0.06 60% 33	+1 86% 99	+0.74 67% 28	+0.70 67% 4	+0.90 59% 14	\$220 30	\$401 13	
DGJG10 VTMB1 DGJZ15	ALLOURA GET CRACKING G10 ^{SV} HBR	-0.06 48% 45	+8.1 94% 6	+7.4 85% 9	-3.0 99% 72	+2.5 99% 20	+43 98% 82	+75 98% 91	+86 98% 96	+85 98% 76	+12 97% 84	-0.3 97% 99	-8.2 77% 3	+46 96% 94	+14.0 94% 16	+1.6 94% 35	+0.5 91% 20	+1.0 93% 4	+5.2 89% 72	+0.42 97% 95	+6 96% 4	+0.52 96% 61	+1.02 96% 18	+0.92 94% 2	\$270 2	\$429 4	
DGJL94 USA15832750 DGJH24	ALLOURA LOCK STOCK & HBR	-0.10 41% 31	+5.8 79% 19	+1.0 71% 72	-4.1 93% 55	+2.7 95% 23	+56 94% 25	+94 94% 43	+124 94% 39	+124 91% 19	+13 87% 82	+1.0 87% 86	-4.4 53% 55	+64 89% 61	+0.5 84% 97	+1.7 80% 15	-1.6 85% 71	+0.2 77% 66	+2.3 87% 47	-0.41 78% 4	+25 93% 31	+0.84 84% 49	+0.90 82% 32	+0.92 77% 18	\$190 65	\$352 48	
DGJQ30 WWEL3 DGJK117	ALLOURA QUINELLA Q30 ^{SV} HBR	-0.09 42% 34	+2.5 73% 49	+2.1 65% 61	+0.4 94% 97	+3.0 93% 28	+54 91% 35	+100 90% 27	+117 91% 53	+119 86% 24	+14 78% 70	+3.2 81% 17	-7.5 56% 5	+73 80% 32	+13.8 79% 2	+0.7 80% 31	+0.9 80% 28	+1.1 74% 16	+4.4 81% 9	+0.37 81% 67	+16 88% 69	+0.94 83% 69	+1.04 83% 66	+1.16 78% 85	\$273 2	\$452 2	
CGKR232 NORN542 CGKM152	ALPINE RONALDO R232 ^{PV} HBR	-0.13 42% 22	+6.3 72% 16	+5.9 60% 20	-5.1 94% 39	+1.8 91% 11	+51 90% 50	+94 86% 43	+133 85% 21	+114 83% 31	+25 77% 6	+3.2 81% 17	-5.2 47% 36	+76 76% 25	+11.1 72% 8	-3.2 72% 96	-3.0 73% 88	+0.8 64% 30	+3.1 76% 28	+0.41 65% 71	+25 87% 33	+0.62 71% 11	+0.68 72% 3	+0.98 70% 34	\$223 28	\$393 17	
WJMM117 WJMF96 WJMG78	ARDCAIRNIE M117 ^{SV} HBR	-0.07 50% 41	+5.2 77% 24	-0.4 65% 82	-5.7 93% 30	+3.8 96% 45	+56 94% 27	+99 94% 28	+130 94% 26	+141 89% 7	+3 86% 99	+3.0 90% 21	-3.6 57% 74	+76 86% 26	+10.3 85% 12	-0.8 85% 65	-1.8 85% 74	+1.5 78% 6	+0.4 86% 91	+0.04 76% 31	+12 83% 84	+0.86 81% 53	+1.00 81% 57	+0.92 77% 18	\$188 66	\$364 38	
NAQA241 USA2928 NAQW38	ARDROSSAN EQUATOR A241 ^{PV} HBR	+0.02 82% 73	-1.9 99% 81	+2.8 98% 54	-4.5 99% 48	+4.1 99% 52	+50 99% 56	+92 99% 51	+122 99% 43	+109 99% 39	+20 99% 25	+3.2 99% 17	-8.2 95% 3	+87 98% 7	+8.4 98% 26	-2.2 98% 89	-0.3 98% 49	+1.4 98% 8	+1.2 96% 77	+0.71 96% 91	+25 99% 31	+0.48 99% 3	+0.86 99% 23	+1.00 99% 40	\$224 26	\$379 26	
NAQN329 NAQH318 NAQK30	ARDROSSAN HOLBROOK N329 HBR	-0.04 51% 52	-2.4 77% 83	+0.6 67% 75	-2.9 96% 73	+2.7 95% 23	+46 95% 73	+86 95% 68	+109 94% 71	+76 89% 85	+23 89% 13	+2.7 85% 29	-7.3 57% 6	+70 90% 42	+5.1 89% 65	+2.3 89% 9	+2.4 89% 12	-0.8 81% 97	+4.0 91% 13	+1.08 83% 99	+14 90% 76	+0.80 81% 40	+0.98 87% 52	+0.92 83% 18	\$212 40	\$337 60	
NAQH255 NORE11 NAQD17	ARDROSSAN HONOUR H255 ^{PV} HBR	+0.10 60% 90	-1.9 96% 81	-0.9 89% 84	-2.8 99% 75	+4.6 99% 64	+43 98% 82	+75 98% 91	+97 98% 88	+96 98% 59	+13 98% 82	+2.2 98% 47	-5.6 84% 27	+61 96% 69	+5.6 96% 59	+0.8 96% 29	-1.2 96% 65	+0.6 95% 41	+2.1 96% 52	+1.01 92% 98	+9 98% 90	+0.46 97% 2	+1.02 97% 61	+1.24 96% 95	\$159 88	\$283 89	
NAQQ67 NMMN334 NAQL96	ARDROSSAN NECTAR Q67 ^{PV} HBR	+0.08 43% 87	+3.6 77% 38	+4.2 63% 38	-8.9 93% 4	+3.7 95% 43	+56 93% 28	+101 91% 24	+131 93% 24	+123 86% 20	+13 80% 81	+3.0 82% 21	-6.5 50% 13	+57 80% 79	+7.3 80% 38	+0.5 80% 35	-0.5 80% 52	+0.1 74% 72	+3.2 81% 26	+0.12 80% 39	+36 90% 6	+0.36 77% 1	+0.86 81% 23	+1.06 76% 60	\$232 19	\$410 10	
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345	

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 2

Ident	Name																									
Sire Dam	Reg.	Shear Force	Calv-Ease		Birth		Growth			Maternal			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
QQFH147 VTME343 NMMF123	ASCOT HALLMARK H147 PV HBR	-0.32 44% 2	-2.9	+2.1	-5.0	+7.2	+60	+110	+151	+133	+15	+3.7	-5.5	+80	-2.1	+0.7	-0.1	-0.8	+3.1	+0.27	+18	+0.46	+0.84	+1.02	\$195	\$359
HIOE7 VTMB219 BVVB32	AYRVALE BARTEL E7 PV HBR	-0.11 83% 28	+8.5	+9.2	-4.4	+1.8	+49	+86	+113	+74	+26	+2.6	-8.4	+64	+7.6	-0.7	+0.5	+1.3	+3.4	+0.30	+5	+1.04	+1.00	+1.12	\$289	\$448
NBBN47 HIOG18 NBBL83	BALD BLAIR NELSON N47 PV HBR	-0.11 42% 28	+2.9	-2.7	-5.0	+4.3	+56	+105	+153	+160	+13	+0.9	-4.4	+84	+4.1	-1.1	-0.9	+0.9	+0.6	-0.21	+29	+0.96	+1.10	+1.22	\$178	\$361
NBB21S86 NMMP15 NBBQ25	BALD BLAIR STIRLING S86 PV HBR	-0.02 39% 60	+6.1	+8.7	-4.5	+2.6	+64	+110	+146	+117	+20	+3.8	-4.5	+92	+6.1	-2.0	-2.9	+0.1	+3.7	-0.21	+6	+0.72	+0.68	+1.06	\$250	\$430
ECMK63 NZE14647008839 ECMH45	BANNABY REALITY K63 PV HBR	+0.14 41% 95	+4.0	-0.7	-2.7	+3.8	+43	+76	+99	+99	+13	+2.0	-0.7	+52	+5.2	-1.3	-1.5	+0.5	+1.3	-0.21	+27	+0.52	+1.00	+1.24	\$118	\$238
VONN462 VONJ507 VONK224	BANQUET NUTTELLA N462 PV HBR	-0.05 42% 48	-1.9	+3.2	-4.6	+6.7	+56	+103	+138	+109	+25	+3.5	-4.1	+71	+2.7	+0.4	-1.1	+0.0	+0.8	-0.25	+54	+0.58	+0.90	+0.78	\$176	\$317
NBNN239 USA16956101 NBNH215	BEN NEVIS NEWSFLASH N239 PV HBR	-0.21 39% 7	-1.7	+2.2	-4.6	+4.9	+58	+100	+134	+114	+18	+0.9	-2.8	+85	+5.3	-2.5	-0.5	+0.5	+1.3	+0.25	+9	+1.00	+1.02	+0.92	\$189	\$328
NBNP122 USA17960722 NBNM115	BEN NEVIS PRIME P122 PV HBR	+0.06 42% 83	+3.7	+5.3	-0.1	+2.5	+57	+88	+113	+81	+12	+3.1	-4.1	+60	+4.7	+0.6	+1.6	-0.5	+4.8	+0.52	+22	+0.74	+0.76	+0.98	\$237	\$375
NBNR138 USA17960722 NBNP153	BEN NEVIS RONAN R138 PV HBR	+0.11 38% 92	+4.9	+5.8	-8.8	+3.5	+74	+124	+151	+142	+12	+2.4	-3.9	+82	+7.9	-2.2	-2.5	+0.6	+1.0	-0.04	+23	+0.74	+0.84	+0.88	\$248	\$442
NGXQ227 VLYM518 NGXN221	BONGONGO BE QUICK Q227 PV HBR	-0.11 41% 28	+3.2	+1.5	-4.6	+3.1	+50	+91	+112	+63	+23	+3.9	-5.9	+52	+11.5	+0.8	+3.8	+0.0	+5.4	+1.13	+19	+0.66	+1.06	+1.08	\$276	\$409
NGXP212 NORL508 NGXL13	BONGONGO P212 SV HBR	-0.08 39% 37	+5.2	+9.6	-6.7	+2.2	+46	+86	+102	+81	+23	+3.9	-8.4	+54	+3.8	+3.4	+5.8	-1.0	+4.7	+0.91	+12	+0.82	+0.86	+1.00	\$250	\$414
NGXP421 USA18229425 NGXM413	BONGONGO P421 SV APR	-0.01 38% 63	+9.4	+5.8	-5.9	+1.8	+59	+99	+128	+87	+22	+2.5	-6.5	+74	+10.9	+3.6	+2.8	-0.1	+3.0	+0.72	+16	+1.12	+1.06	+1.10	\$278	\$441
NUIF32 NGMC196 NUID96	BONNY BROOKE FALCO F32 SV HBR	+0.09 46% 89	-5.7	-8.9	+0.1	+6.5	+49	+75	+97	+90	+16	-1.1	-2.4	+59	-2.3	+2.4	+2.1	-0.9	+1.5	-0.28	+19	+0.96	+0.92	+1.06	\$107	\$192
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 3

Ident	Name																										
Sire Dam	Reg.	Shear Force	Calv-Ease		Birth		Growth			Maternal			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	
HCAG013 VTMA217 VTMZ618	BOONAROO GRAVITY G013 ^{PV} HBR	-0.01 54% 63	+5.4	+4.0	-5.4	+3.6	+51	+88	+115	+102	+23	+3.8	-5.6	+56	+4.5	-2.9	-3.3	+1.3	+3.0	-0.75	+21	+0.50	+0.92	+1.06	\$219	\$373	
HCAN20 VTMK338 HCAL54	BOONAROO KASBAH N20 ^{SV} HBR	-0.13 38% 22	+4.5	+2.8	-5.4	+5.4	+47	+88	+113	+107	+16	+3.7	-6.1	+56	+5.6	-0.4	-1.4	+0.9	+1.9	+0.70	+15	+0.86	+1.02	+1.08	\$198	\$356	
NGMN418 WWEL3 NGML471	BOOROOMOOKA JACKPOT N418 HBR	-0.08 41% 37	+2.3	+7.0	-8.8	+5.3	+61	+109	+134	+130	+7	+3.4	-6.5	+79	+8.9	-0.6	+0.0	+0.9	+2.4	+0.27	+29	+1.34	+1.08	+1.04	\$258	\$446	
NGMN213 NGML201 NGML45	BOOROOMOOKA NORMANDY HBR	-0.12 42% 25	+11.2	+10.6	-7.4	+1.2	+40	+71	+100	+72	+23	+3.2	-9.4	+50	+3.8	-2.6	-3.0	+0.9	+3.2	+0.96	+32	+0.76	+0.64	+1.04	\$231	\$385	
NGMP96 WWEL3 NGMM566	BOOROOMOOKA PARAGON P96 HBR	-0.07 42% 41	-3.6	+2.3	-7.5	+3.7	+62	+120	+161	+129	+31	+3.4	-7.9	+109	+13.2	-2.6	-1.4	+1.8	+1.8	+0.86	+33	+0.88	+1.02	+1.14	\$283	\$460	
NGMP22 NGMK9 NGMK640	BOOROOMOOKA PRESIDENT HBR	-0.15 44% 17	-0.7	+3.7	-6.3	+4.8	+58	+106	+143	+129	+22	+2.8	-6.1	+75	+5.7	+0.0	+0.5	+0.3	+2.5	+0.56	+18	+0.42	+0.62	+0.84	\$227	\$398	
NGMQ5 NORL519 NGMK720	BOOROOMOOKA QUALITY Q5 ^{SV} HBR	-0.12 45% 25	+3.5	+7.4	-6.4	+3.7	+56	+104	+145	+137	+18	+2.3	-4.7	+79	-3.1	+1.0	+2.2	-1.8	+6.0	+0.07	+35	+0.82	+0.92	+1.10	\$208	\$392	
NGMR49 USA17960722 NGMP361	BOOROOMOOKA RAUDONIKIS HBR	-0.02 37% 60	+2.9	+4.8	-5.4	+3.6	+62	+103	+128	+96	+20	+3.8	-2.4	+72	+11.0	-0.6	-1.9	+1.3	+0.9	+0.20	+30	+0.90	+0.80	+0.90	\$228	\$371	
BOWK2 VTME343 NAQZ31	BOWMAN AUSTRALIA K2 ^{PV} HBR	-0.15 45% 17	+7.2	+3.1	-6.4	+3.6	+49	+97	+122	+96	+22	+5.0	-8.1	+69	+7.9	-0.2	-1.7	+1.0	+1.3	-0.64	+14	+0.86	+1.02	+0.98	\$234	\$403	
SRKK306 NJWG279 TFAD58	BOWMONT KING K306 ^{PV} HBR	-0.11 45% 28	-1.8	-9.0	-4.8	+4.5	+49	+78	+103	+89	+2	-0.4	-5.0	+64	+15.1	-0.4	-2.0	+1.7	+4.7	+0.49	+25	+0.54	+0.92	+0.70	\$234	\$347	
BON21S004 USA19266718 BONQ008	BRIDGEWATER HOMETOWN HBR	+0.05 38% 81	+9.2	+7.8	-9.3	+1.1	+60	+99	+129	+94	+17	+2.9	-7.3	+83	+8.4	+1.6	+0.1	-0.1	+2.8	+0.40	+37	+1.38	+1.10	+0.90	\$269	\$441	
BONQ007 QMUM13 HIOL28	BRIDGEWATER QUANTUM Q007 HBR	-0.07 43% 41	-2.2	-4.0	-5.2	+5.5	+64	+100	+132	+106	+21	+0.5	-5.4	+86	+6.8	+0.0	-1.7	+0.2	+2.1	+0.15	+22	+1.02	+0.84	+1.04	\$222	\$355	
GTNM6 VTMF734 VSNF15	CHILTERN PARK MOE M6 ^{PV} HBR	-0.19 44% 10	+5.0	+4.5	-1.3	+3.1	+50	+99	+133	+79	+29	+1.5	-6.3	+79	+5.3	-0.6	+0.9	+0.1	+1.9	+0.26	+37	+0.70	+1.04	+1.08	\$243	\$389	
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345	

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 4

Ident	Name		Calv-Ease		Birth		Growth			Maternal			Fert			Carcase					Feed		Temp		Structural		Selection Index	
Sire Dam	Reg.	Shear Force	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		
GTNP9 HKFJ5 GTNK26	CHILTERN PARK PICASSO P9 ^{PV} HBR	+0.06 48% 83	+8.0 79% 6	+8.2 68% 6	-3.3 98% 68	+1.4 98% 8	+55 96% 29	+104 96% 19	+135 95% 18	+94 90% 63	+25 82% 7	+3.6 93% 10	-7.6 62% 5	+94 88% 3	+6.7 86% 45	-0.9 86% 67	+0.8 87% 30	-0.4 80% 90	+4.2 88% 11	+0.70 77% 91	+29 93% 18	+0.66 90% 15	+0.70 91% 4	+0.88 85% 11	\$274 2	\$453 2		
GTNQ322 USA18636106 GTNL198	CHILTERN PARK QUADRANT HBR	+0.10 40% 90	+6.3 79% 16	+3.3 65% 48	-2.6 97% 77	+3.2 97% 32	+62 93% 10	+116 95% 4	+145 93% 9	+107 87% 41	+19 78% 30	+4.4 83% 4	-5.5 50% 29	+85 81% 10	+11.5 79% 7	-0.5 80% 58	-0.7 79% 56	+0.2 73% 66	+4.2 80% 11	+0.99 81% 98	+6 87% 95	+1.16 82% 95	+1.14 82% 84	+1.00 78% 40	\$282 1	\$460 1		
QMUM13 USA16295688 QMUG1	CLUNES CROSSING DUSTY M13 HBR	+0.18 40% 98	+1.0 85% 62	+3.9 81% 42	-7.0 99% 15	+5.3 99% 78	+64 98% 6	+101 98% 24	+119 98% 49	+63 97% 94	+15 97% 62	+1.0 98% 86	-6.8 75% 10	+71 95% 38	+12.9 94% 4	-2.6 94% 93	-3.3 95% 91	+1.2 91% 13	+1.8 94% 61	+0.21 87% 49	+10 98% 89	+0.90 98% 61	+0.88 98% 28	+1.00 96% 40	\$292 1	\$421 6		
NBHK330 NJWG279 NBHH381	CLUNIE RANGE KALUHA K330 ^{PV} HBR	-0.23 43% 6	-1.1 84% 76	-11.7 74% 99	-4.9 97% 42	+5.6 97% 82	+55 96% 31	+97 96% 36	+127 96% 33	+101 93% 52	+15 90% 69	+1.6 96% 69	-7.0 67% 9	+92 92% 4	+9.5 91% 17	+0.0 91% 46	-1.3 92% 67	+1.2 90% 13	+2.9 93% 32	+0.26 86% 55	+5 94% 95	+0.68 88% 18	+0.94 88% 41	+1.16 85% 85	\$242 12	\$375 30		
NBHL348 NZE14647008839 AHWJ81	CLUNIE RANGE LEGEND L348 ^{PV} HBR	+0.13 40% 94	-6.6 95% 95	+4.6 87% 34	-7.8 99% 9	+5.8 99% 85	+57 98% 21	+103 98% 20	+125 98% 37	+153 98% 3	+0 97% 99	+2.9 78% 24	-6.9 95% 9	+61 94% 67	+0.1 94% 97	+3.6 94% 3	+1.2 94% 24	-0.8 92% 97	+2.4 84% 44	+0.05 87% 32	+24 97% 35	+0.52 97% 4	+0.80 97% 14	+1.24 96% 95	\$163 85	\$338 59		
NBHP392 USA17960722 NBHM516	CLUNIE RANGE PLANTATION HBR	+0.21 38% 99	+4.0 86% 34	+3.2 73% 50	-5.2 99% 37	+4.2 99% 55	+67 98% 4	+116 98% 4	+141 98% 12	+106 93% 44	+21 86% 21	+5.4 97% 1	-3.9 58% 67	+70 90% 41	-1.1 89% 99	-0.2 88% 51	-0.8 89% 58	-1.5 81% 99	+3.8 90% 16	+0.24 81% 53	+24 98% 35	+0.70 96% 21	+0.86 96% 23	+0.90 94% 14	\$219 32	\$381 25		
WDCH249 USA14885809 WDCE9	COONAMBLE HECTOR H249 ^{SV} HBR	+0.02 51% 73	+0.7 96% 64	+0.7 87% 74	-8.3 99% 6	+4.5 99% 62	+44 98% 79	+79 98% 85	+99 98% 87	+90 97% 68	+5 98% 99	+1.2 98% 81	-4.9 77% 43	+44 96% 96	+9.2 95% 19	+4.1 95% 2	+4.5 95% 3	+0.6 93% 41	+0.1 95% 94	-0.51 88% 3	+40 98% 4	+0.42 96% 1	+0.48 96% 1	+0.78 94% 3	\$182 72	\$312 77		
WDCK314 NAQA241 WDCD94	COONAMBLE KEVIN K314 ^{PV} HBR	-0.02 55% 60	-0.8 86% 75	+4.1 75% 39	-2.2 95% 82	+4.4 98% 59	+50 97% 56	+100 95% 27	+131 96% 25	+110 93% 36	+25 94% 6	+4.4 93% 4	-7.0 68% 9	+82 92% 14	+7.5 90% 35	+0.2 90% 41	+0.7 91% 31	+0.2 86% 66	+1.6 91% 66	+0.60 83% 86	+41 86% 3	+0.52 85% 4	+1.12 86% 82	+1.22 82% 93	\$209 43	\$370 33		
USA19611994 USA18467508 USA18974126	DB ICONIC G95 ^{PV} HBR	+0.14 37% 95	+3.5 76% 39	+8.0 63% 6	-3.0 96% 72	+2.9 95% 26	+65 93% 5	+122 92% 2	+151 93% 5	+144 88% 6	+17 84% 53	+3.3 86% 15	-3.6 52% 74	+86 86% 9	+7.1 85% 40	+0.3 84% 39	-0.7 81% 56	-0.4 78% 90	+4.4 86% 9	+0.21 81% 49	+42 86% 2	+1.20 97% 97	+1.00 96% 57	+0.86 83% 9	\$240 14	\$437 3		
NJS21S15 USA18636106 QHEJ100	DEVANAH SATURN S15 ^{PV} HBR	-0.03 40% 56	+5.7 73% 20	+0.9 61% 72	-7.4 92% 12	+3.6 92% 41	+64 90% 6	+107 87% 12	+143 86% 10	+102 83% 49	+25 77% 7	+4.2 83% 5	-7.5 47% 5	+84 77% 11	+7.6 73% 34	-1.5 74% 79	-2.8 74% 87	+0.2 67% 66	+2.7 76% 37	+0.41 66% 71	+17 86% 63	+0.92 71% 65	+0.96 72% 47	+0.84 68% 7	\$266 3	\$434 4		
WKGQ202 WKGN129 WKGGL21	DIAMOND ONE ALL IN Q202 ^{SV} HBR	-0.18 36% 11	-10.1 70% 98	-8.2 55% 99	-5.4 93% 34	+8.2 90% 99	+71 89% 2	+121 85% 2	+165 85% 1	+154 81% 3	+23 74% 12	+2.8 78% 26	-3.9 39% 67	+98 74% 2	+10.5 67% 11	-6.0 69% 99	-6.2 70% 99	+2.0 60% 2	-0.6 73% 99	-0.80 58% 1	+34 85% 9	+0.96 59% 73	+0.60 59% 1	+0.88 53% 11	\$184 71	\$329 66		
NGCM028 QHEJ134 NGCK204	DULVERTON MEDAGLIA M028 ^{PV} HBR	+0.04 43% 78	-9.4 73% 98	-1.5 62% 87	-4.7 93% 45	+7.4 90% 97	+72 94% 1	+121 94% 2	+159 94% 2	+152 88% 3	+11 88% 90	+1.2 88% 81	-4.0 54% 65	+85 88% 9	+5.5 86% 60	-1.3 86% 75	-4.4 87% 96	+0.5 78% 48	+2.5 88% 42	-0.84 78% 1	+17 82% 66	+1.12 78% 92	+1.10 79% 78	+1.08 75% 66	\$203 50	\$357 44		
NGCN208 WWEL3 NGCG037	DULVERTON NEW APPROACH HBR	-0.27 39% 3	-1.8 70% 80	+1.2 65% 70	-5.7 95% 30	+4.3 94% 57	+52 96% 46	+88 96% 62	+113 95% 63	+116 90% 29	+10 89% 92	+1.4 93% 75	-5.3 62% 34	+73 90% 33	+11.4 89% 7	-1.8 88% 84	-1.6 89% 71	+2.1 81% 1	+0.9 90% 83	+0.04 82% 31	+24 87% 35	+1.02 85% 82	+1.10 85% 78	+1.02 82% 47	\$206 47	\$351 49		
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345		

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 5

Ident		Name																									
Sire Dam	Reg.	Shear Force	Calv-Ease		Birth		Growth			Maternal			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	
BHRH744 BNAD145 BHRD202	DUNOON HIGHPOINT H744 ^{SV} HBR	-0.50 49% 1	-12.4 86% 99	-13.1 77% 99	-3.9 97% 58	+7.0 97% 96	+56 96% 25	+97 96% 34	+129 96% 28	+133 94% 11	+16 94% 55	+2.7 95% 29	-5.6 70% 27	+88 93% 6	+5.6 91% 59	-1.9 91% 85	-1.3 92% 67	+1.5 88% 6	+1.0 92% 81	-0.48 86% 3	+19 94% 55	+0.66 90% 15	+0.82 90% 16	+1.08 87% 66	\$156 89	\$276 91	
CYIR18 QMUM13 CYIM611	EBONY BEEF BILLIE RAY R18 ^{PV} APR	+0.04 44% 78	+3.6 70% 38	+8.0 63% 6	-4.1 93% 55	+5.1 91% 74	+66 89% 4	+108 85% 12	+128 85% 30	+71 83% 90	+23 78% 13	+2.6 81% 32	-5.9 53% 22	+80 78% 16	+12.6 74% 4	-1.7 75% 82	-0.9 75% 60	+0.9 67% 25	+2.0 78% 55	+0.17 68% 45	-1 86% 99	+1.06 76% 87	+0.90 77% 32	+1.16 73% 85	\$302 1	\$449 2	
USA16198796 USA14686137 USA15452880	EF COMPLEMENT 8088 ^{PV} HBR	-0.11 43% 28	+4.6 99% 29	+7.1 95% 11	-4.7 99% 45	+2.9 99% 26	+53 99% 41	+98 99% 32	+130 99% 27	+98 99% 56	+21 99% 20	+1.4 99% 75	-6.8 91% 10	+75 98% 28	+7.8 97% 32	+1.1 98% 23	+0.5 98% 35	+0.8 97% 30	+1.5 97% 69	+0.54 94% 82	+20 99% 53	+0.94 99% 69	+1.28 99% 96	+1.16 98% 85	\$252 7	\$416 7	
WWEQ15 VTMG67 WWEN17	ESSLEMONT GARTH Q15 ^{PV} HBR	+0.07 46% 85	-2.5 75% 83	+2.3 67% 59	-8.3 93% 6	+5.6 91% 82	+63 90% 7	+111 90% 8	+151 90% 5	+143 86% 6	+28 79% 2	+2.4 83% 39	-6.5 61% 13	+69 87% 43	+5.9 87% 55	-3.7 86% 98	-3.9 87% 94	+0.4 78% 54	+4.0 89% 13	-0.47 82% 3	+44 86% 2	+0.88 80% 57	+1.14 80% 84	+1.04 77% 53	\$232 19	\$406 11	
WWEL3 HIOG18 WWEJ8	ESSLEMONT LOTTO L3 ^{PV} HBR	-0.25 45% 4	-6.3 87% 94	-1.9 86% 89	-5.4 99% 34	+4.6 99% 64	+60 99% 14	+110 99% 8	+139 99% 13	+134 98% 11	+16 98% 56	+3.6 98% 10	-8.8 82% 2	+91 97% 5	+14.3 96% 2	-0.4 96% 55	+0.4 96% 36	+1.7 95% 4	+3.2 96% 26	+0.37 92% 67	+15 98% 74	+1.12 98% 92	+1.00 98% 57	+1.14 97% 81	\$277 2	\$449 2	
WWEQ24 WWEN12 WWEN7	ESSLEMONT QUOKKA Q24 ^{PV} HBR	-0.22 44% 6	+5.4 74% 22	+0.6 63% 75	-4.6 95% 47	+1.6 95% 9	+43 93% 85	+84 93% 73	+98 92% 88	+52 87% 98	+21 78% 19	+4.2 89% 5	-6.3 57% 16	+65 89% 55	+16.8 88% 1	+1.4 88% 19	-0.1 89% 45	+2.3 79% 1	+2.1 91% 52	+1.21 83% 99	+30 87% 17	+0.76 73% 32	+0.90 73% 32	+0.94 70% 23	\$269 2	\$394 17	
WWE21S6 NGMN418 WWEN7	ESSLEMONT SEAN S6 ^{PV} HBR	-0.20 43% 9	+4.9 69% 26	+6.9 62% 12	-5.7 94% 30	+3.0 91% 28	+55 90% 28	+97 86% 33	+113 86% 63	+86 84% 74	+16 78% 56	+4.4 82% 4	-5.5 51% 29	+78 79% 21	+17.3 75% 1	+2.3 75% 9	+0.5 76% 35	+1.4 68% 8	+3.6 79% 19	+1.02 70% 98	+26 88% 26	+1.06 65% 87	+1.22 65% 93	+1.10 63% 72	\$285 1	\$444 2	
NFSM99 BHRH240 NFSH124	FARRER MAXWELL M99 ^{PV} HBR	-0.09 43% 34	-4.6 77% 91	+1.8 63% 64	-0.2 95% 95	+7.6 95% 98	+67 94% 3	+114 94% 5	+151 93% 5	+146 91% 5	+12 87% 83	+4.2 89% 5	-6.2 56% 17	+89 87% 6	+13.8 86% 2	-3.1 86% 96	-5.1 87% 98	+2.0 78% 2	+2.6 88% 39	-0.27 76% 9	+41 93% 3	+0.78 87% 36	+0.76 86% 9	+0.84 83% 7	\$254 6	\$429 4	
USA18217198 USA17354178 USA16934264	G A R ASHLAND ^{PV} HBR	+0.08 37% 87	+1.5 96% 58	+1.7 86% 65	-6.0 99% 26	+3.2 99% 32	+67 99% 4	+116 99% 4	+146 99% 7	+121 98% 22	+14 98% 73	+1.4 75% 75	-2.7 72% 88	+79 96% 18	+11.9 95% 6	-3.0 95% 95	-2.3 95% 81	+1.0 93% 20	+3.1 94% 28	+0.13 88% 40	+11 99% 87	+1.24 99% 98	+1.12 99% 82	+0.86 98% 9	\$257 5	\$419 7	
USA16295688 USA13009379 USA15129456	G A R PROPHET ^{SV} HBR	+0.08 38% 87	+3.3 98% 41	+5.1 94% 28	-0.7 99% 93	+3.7 99% 43	+67 99% 3	+107 99% 12	+134 99% 21	+85 99% 76	+23 99% 12	+0.7 99% 91	-5.0 90% 40	+71 98% 39	+3.6 97% 81	-1.2 97% 73	-1.3 98% 67	-0.7 97% 96	+4.7 94% 94	+0.81 94% 27	+26 99% 82	+1.02 99% 82	+0.82 99% 16	+0.92 98% 18	\$270 2	\$416 8	
USA17328461 USA16205036 USA16431932	G A R SURE FIRE ^{SV} HBR	+0.08 39% 87	+6.4 95% 15	+1.7 86% 65	-3.0 99% 72	+2.3 99% 17	+50 98% 56	+91 98% 54	+113 98% 63	+84 97% 77	+20 98% 30	+4.1 98% 5	-7.3 80% 6	+63 96% 63	+7.8 96% 32	-0.5 96% 58	-0.5 96% 52	+0.9 94% 25	+3.6 96% 19	-0.12 89% 17	+26 96% 29	+1.18 99% 96	+0.94 99% 41	+0.60 92% 1	\$258 5	\$412 9	
USA18690054 USA17965471 USA18054344	GB FIREBALL 672 ^{PV} HBR	+0.05 34% 81	+2.2 93% 52	+6.4 81% 16	-4.8 99% 43	+2.6 99% 21	+62 98% 10	+98 99% 31	+131 98% 26	+122 97% 21	+16 96% 55	+2.8 98% 26	-6.9 63% 9	+79 94% 18	+14.4 93% 2	-2.9 92% 95	-3.9 92% 94	+0.9 87% 25	+5.5 93% 3	+0.47 83% 76	+11 98% 86	+1.06 99% 87	+0.94 99% 41	+0.84 97% 7	\$278 2	\$454 1	
QBGH221 BNAD145 QBGD80	GLENOCH HINMAN H221 ^{SV} HBR	-0.24 47% 5	+5.4 84% 22	-2.7 75% 92	-2.9 97% 73	+3.0 97% 28	+53 96% 39	+93 96% 45	+125 96% 37	+115 92% 29	+20 93% 26	+0.9 95% 88	-3.7 69% 72	+84 92% 11	+7.5 91% 35	-1.9 91% 85	-5.0 91% 98	+0.9 87% 25	+5.2 92% 4	-0.37 85% 5	+10 86% 89	+0.88 88% 57	+0.80 89% 14	+1.04 85% 53	\$217 35	\$366 37	
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345	

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 6

Ident		Name																								
Sire Dam	Reg.	Shear Force	Calv-Ease		Birth		Growth			Maternal			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
QBGK112 NAQA241 QBGG72	GLENOCH KALLANGUR K112 ^{PV} HBR	-0.02 54% 60	-8.6 80% 97	-2.9 71% 92	-3.5 93% 65	+6.4 96% 92	+56 94% 27	+99 95% 30	+126 94% 35	+104 89% 46	+15 89% 65	+1.6 92% 69	-7.7 65% 4	+90 90% 5	+12.4 89% 4	+0.9 89% 27	+3.3 90% 6	+0.6 82% 41	+2.6 91% 39	+0.47 84% 76	+22 85% 42	+0.72 91% 24	+0.78 92% 11	+0.70 88% 1	\$244 11	\$378 27
EETN1 USA17031465 VSNL24	GVA NEWSWORTHY N1 ^{PV} HBR	+0.07 40% 85	+8.2 74% 6	+4.5 63% 35	-9.5 92% 3	+1.6 90% 9	+51 89% 47	+89 88% 58	+115 88% 58	+92 85% 66	+23 79% 13	+2.2 81% 47	-6.9 56% 9	+70 86% 41	+5.5 86% 60	-0.2 85% 51	-3.1 86% 89	+0.5 77% 48	+1.9 88% 58	+0.24 79% 53	+19 86% 58	+1.04 85% 85	+0.88 85% 28	+0.94 80% 23	\$217 34	\$372 31
DKKM41 NORH708 DKKJ51	HARDHAT H708 MAIMURU J51 APR	-0.03 45% 56	-1.2 70% 77	+3.7 62% 44	-1.7 95% 87	+2.1 93% 14	+43 91% 84	+91 91% 54	+118 91% 52	+96 87% 60	+11 82% 88	+1.4 82% 75	-3.6 64% 74	+61 89% 67	+2.2 89% 90	+1.0 88% 25	-2.1 89% 79	-0.4 80% 90	+6.3 91% 1	+0.08 84% 35	+23 88% 40	+1.04 88% 85	+1.00 88% 57	+1.10 85% 72	\$189 66	\$322 70
DKKQ110 NORK522 DKKM33	HARDHAT K522 KODAK M33 HBR	-0.10 46% 31	+3.1 74% 43	+8.7 62% 4	-6.6 91% 19	+2.4 91% 18	+48 88% 65	+84 87% 74	+112 88% 65	+104 84% 46	+16 76% 55	+2.8 80% 26	-7.6 52% 5	+50 78% 90	+9.6 78% 16	-0.7 79% 63	-2.8 79% 87	+1.1 73% 16	+3.5 80% 21	+0.02 82% 29	+8 84% 92	+0.66 85% 15	+0.70 85% 4	+0.68 81% 1	\$236 17	\$400 14
DKKN43 NORK522 NKLF143	HARDHAT K522 NEBRASKA HBR	+0.02 44% 73	+7.7 77% 8	+6.6 67% 15	-9.8 94% 2	+2.1 95% 14	+60 93% 14	+100 92% 26	+138 91% 14	+134 87% 11	+12 82% 84	+5.2 88% 1	-6.4 58% 15	+73 89% 32	+2.9 87% 86	+0.2 86% 41	+0.2 88% 40	-0.3 79% 87	+0.2 89% 89	+0.17 81% 45	+14 91% 77	+0.76 90% 32	+0.84 90% 20	+0.88 85% 11	\$194 61	\$387 21
NHZF1023 VTMB1 NHZB723	HAZELDEAN F1023 ^{SV} APR	-0.18 75% 11	+3.8 92% 36	+0.4 81% 76	-2.6 98% 77	+3.2 98% 32	+39 98% 92	+75 98% 91	+88 98% 95	+70 97% 90	+14 97% 76	+3.6 97% 10	-5.2 77% 36	+49 95% 92	+7.8 94% 32	+2.3 94% 9	-0.2 94% 47	+0.2 94% 66	+5.9 94% 2	+1.35 88% 99	+12 98% 82	+0.46 97% 2	+0.98 97% 52	+1.06 94% 60	\$211 41	\$335 61
NHZM586 NHZJ140 NHZH356	HAZELDEAN M586 ^{SV} APR	-0.21 45% 7	+6.6 87% 14	+9.1 71% 3	-8.3 98% 6	+2.5 98% 20	+48 97% 62	+86 97% 68	+116 96% 56	+103 94% 49	+18 96% 42	+4.0 96% 6	-11.4 71% 1	+69 94% 46	+5.0 92% 66	-0.1 92% 48	+0.2 93% 40	+0.1 87% 72	+4.3 94% 10	+0.89 88% 96	+37 96% 5	+0.56 95% 6	+1.02 94% 61	+1.18 91% 89	\$268 3	\$457 1
NHZP434 NHZJ140 NHZL527	HAZELDEAN P434 ^{SV} APR	+0.00 47% 66	+8.8 77% 4	+6.5 64% 16	-7.3 97% 12	+1.9 96% 12	+46 95% 73	+87 95% 66	+113 95% 63	+97 90% 58	+20 84% 28	+2.8 93% 26	-7.3 61% 6	+70 90% 42	+2.2 88% 90	+0.3 88% 39	-3.7 89% 93	+0.9 80% 25	+1.7 90% 63	+0.66 82% 89	+47 92% 1	+0.58 88% 7	+0.98 88% 52	+1.06 84% 60	\$203 51	\$365 37
NHZQ1229 NHZF1023 NHZJ823	HAZELDEAN Q1229 ^{PV} APR	-0.04 50% 52	+0.8 78% 64	+4.2 63% 38	-3.7 98% 61	+3.8 97% 45	+56 94% 28	+102 95% 23	+124 95% 38	+76 87% 85	+21 80% 23	+4.6 93% 9	-6.9 56% 9	+77 82% 23	+9.3 81% 19	-1.5 81% 79	-1.9 82% 76	+0.4 76% 54	+4.5 82% 8	+0.93 83% 83	+28 97% 22	+0.66 91% 15	+0.96 91% 47	+0.98 86% 34	\$273 2	\$416 7
NHZQ319 NHZM586 NHZL1175	HAZELDEAN Q319 ^{PV} APR	-0.10 43% 31	+4.9 76% 26	+9.3 60% 2	-8.8 97% 5	+2.7 97% 23	+54 96% 36	+104 95% 17	+142 95% 11	+139 88% 8	+18 80% 41	+3.2 94% 17	-11.5 56% 1	+77 83% 22	+5.6 83% 59	+1.7 83% 15	+0.4 83% 36	-0.6 76% 94	+4.3 84% 10	+0.53 82% 81	+32 96% 12	+0.82 89% 45	+1.04 88% 66	+1.14 84% 81	\$269 2	\$487 1
NHZR1561 NORL519 NHZJ115	HAZELDEAN RONALDO R1561 ^{PV} HBR	-0.06 39% 45	-6.8 78% 95	+4.2 67% 38	-5.7 97% 30	+5.9 96% 86	+66 95% 4	+108 91% 11	+143 91% 10	+144 86% 6	+6 79% 99	+0.7 90% 91	-4.0 57% 65	+73 81% 32	+3.9 77% 78	-1.1 78% 71	-1.4 78% 68	-0.1 81% 81	+3.5 80% 21	+0.43 69% 73	+14 94% 76	+0.70 82% 21	+0.76 82% 9	+1.00 75% 40	\$200 54	\$357 44
DYFN6 NZE14647008839 DYFL18	INGLEBRAE FARMS NOBLEMAN HBR	+0.10 38% 90	+8.6 80% 4	+10.3 69% 1	-7.1 95% 14	+2.0 96% 13	+56 95% 26	+89 95% 57	+109 95% 72	+100 90% 52	+11 86% 88	+3.4 93% 13	-2.4 64% 91	+61 89% 68	+10.0 88% 14	+0.8 88% 29	+1.2 88% 24	+0.2 81% 66	+2.2 90% 50	-0.30 81% 8	+24 93% 33	+0.86 89% 53	+1.12 89% 82	+1.18 86% 89	\$208 45	\$367 35
NZE13300018 WWEL3 NZE13300116373	KAKAHU PIVOTAL 18004 ^{PV} HBR	-0.17 42% 13	+3.8 73% 36	+2.0 65% 62	-7.3 95% 12	+4.0 96% 50	+55 94% 31	+102 94% 23	+118 95% 51	+66 88% 93	+27 82% 3	+3.6 92% 10	-7.2 57% 7	+78 82% 20	+8.8 84% 23	+0.5 83% 35	+0.4 83% 36	+0.5 78% 48	+4.2 84% 11	+0.71 80% 91	+0 91% 99	+0.74 88% 28	+0.90 88% 32	+1.06 83% 60	\$291 1	\$432 4
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 7

Ident	Name		Calv-Ease		Birth		Growth			Maternal			Fert	Carcase					Feed	Temp	Structural			Selection Index		
Sire Dam	Reg.	Shear Force	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
GXNQ209 USA18463791 VLYL1327	KELLY ANGUS QUINN Q209 ^{SV} HBR	+0.03 38% 75	+7.6 74% 8	+9.8 60% 2	-6.9 95% 16	+1.9 94% 12	+65 92% 5	+115 91% 5	+143 89% 10	+117 85% 27	+27 77% 3	+0.6 81% 93	-9.3 48% 1	+88 78% 7	+6.6 78% 46	-1.5 79% 79	-2.9 79% 88	+0.4 72% 54	+2.7 79% 37	-0.10 65% 18	+34 85% 9	+1.32 73% 99	+1.28 73% 96	+1.30 69% 98	\$299 1	\$499 1
NDIP481 USA17354145 NDIL236	KENNY'S CREEK PINNACLE P481 HBR	+0.07 40% 85	+2.4 79% 50	-0.1 68% 80	-3.9 98% 58	+3.1 97% 30	+49 96% 61	+87 96% 66	+115 96% 59	+67 91% 92	+21 84% 19	+0.1 93% 97	-2.7 61% 88	+77 90% 23	+3.7 89% 80	+1.2 88% 22	+1.1 89% 25	-1.4 81% 99	+6.3 91% 1	+1.24 83% 99	+18 90% 62	+0.96 89% 73	+0.92 89% 37	+0.88 85% 11	\$209 44	\$320 72
KILP1 USA18578965 KILM9	KILLAIN RAINMAN P1 ^{PV} HBR	-0.09 40% 34	-3.3 74% 87	-4.7 61% 96	-6.9 95% 16	+4.2 93% 55	+60 92% 13	+106 90% 15	+131 91% 24	+125 86% 18	+13 79% 78	+3.3 81% 15	-2.8 51% 87	+72 87% 35	+14.3 86% 2	-2.7 85% 93	-1.8 86% 74	+2.2 77% 1	-1.5 88% 99	+0.33 77% 63	+4 86% 97	+0.92 76% 65	+0.98 76% 52	+1.12 64% 77	\$185 69	\$327 67
BLAP130 SRKK306 BLAK113	KNOWLA PACKER P130 ^{PV} HBR	+0.00 40% 66	+2.2 73% 52	+0.8 63% 73	-3.0 93% 72	+4.6 91% 64	+55 89% 30	+101 89% 25	+133 89% 22	+114 85% 31	+11 78% 89	+1.0 85% 86	-5.8 54% 24	+76 85% 25	+7.9 84% 31	+0.3 84% 39	-0.9 85% 60	+0.8 77% 30	+2.0 87% 55	+0.12 77% 39	+26 84% 29	+0.82 78% 45	+1.22 78% 93	+0.94 74% 23	\$232 20	\$392 18
BLAP91 HIOG18 BLAL06	KNOWLA PEPPER P91 ^{PV} HBR	+0.01 45% 70	+5.0 78% 25	+2.5 70% 57	-5.7 95% 30	+3.7 95% 43	+61 93% 12	+115 93% 5	+143 94% 10	+166 88% 2	+9 83% 96	+1.6 90% 69	-8.2 62% 3	+67 90% 49	+8.6 89% 24	+1.6 88% 16	-1.2 89% 65	+1.1 81% 16	+2.5 90% 92	+0.39 85% 69	-3 90% 99	+0.98 91% 76	+1.04 91% 66	+1.02 88% 47	\$259 5	\$479 1
BLAR190 BLAN127 BLAP172	KNOWLA REVOLUTION R190 ^{PV} HBR	+0.10 40% 90	+9.5 72% 2	+6.2 57% 18	-10.7 95% 1	+1.0 93% 5	+39 90% 92	+76 88% 90	+101 86% 84	+70 83% 90	+24 75% 7	+2.6 84% 32	-3.7 44% 72	+50 76% 90	+14.5 74% 2	+4.5 75% 1	+3.2 75% 7	+0.1 67% 72	+4.9 77% 5	+0.71 63% 91	+41 87% 3	+0.80 79% 40	+1.04 80% 66	+1.04 76% 53	\$224 27	\$359 42
BLA21S48 USA18837398 BLAL21	KNOWLA SO RIGHT S48 ^{PV} HBR	+0.19 42% 98	+2.7 78% 47	-3.3 59% 93	-4.7 98% 45	+3.8 98% 45	+57 96% 22	+102 89% 22	+130 87% 27	+108 83% 40	+17 77% 46	+3.2 83% 17	-6.0 44% 20	+80 78% 17	+9.9 73% 14	+0.9 73% 27	+1.3 74% 23	+0.1 66% 72	+4.1 76% 12	+0.22 63% 51	+27 96% 23	+0.84 76% 49	+0.94 76% 41	+0.86 71% 9	\$250 8	\$408 10
NZCP117 USA17960722 NZCM67	KO B074 BEAST MODE P117 ^{PV} HBR	+0.08 38% 87	+2.0 74% 53	+6.2 65% 18	-5.5 98% 33	+1.6 97% 9	+60 95% 15	+100 96% 27	+124 94% 38	+125 88% 18	+11 80% 91	+2.1 91% 50	-4.6 56% 50	+61 81% 68	+1.3 85% 94	+0.4 83% 37	-0.4 83% 50	-0.8 78% 97	+4.0 84% 13	+0.62 69% 87	+13 90% 81	+0.64 89% 13	+0.52 89% 1	+0.76 85% 2	\$203 50	\$372 31
VLYR1549 USA18217198 VLYP251	LAWSONS ASHLAND R1549 ^{SV} HBR	+0.05 39% 81	-3.2 76% 86	-3.3 66% 93	-6.7 91% 18	+3.6 91% 41	+60 90% 14	+105 88% 16	+137 90% 26	+118 86% 26	+15 78% 68	+0.3 81% 99	+0.1 52% 99	+82 79% 13	+15.6 79% 1	-1.6 80% 81	-1.1 80% 63	+1.1 74% 16	+3.9 80% 15	+0.48 81% 77	+21 85% 47	+1.16 84% 95	+1.06 84% 70	+0.76 79% 2	\$214 37	\$344 55
VLYN131 USA16295688 VLYL710	LAWSONS CHARLIE N131 ^{SV} HBR	+0.20 38% 98	-2.9 80% 85	-1.0 72% 85	-3.9 95% 58	+5.5 96% 81	+72 95% 1	+128 94% 1	+159 92% 2	+128 88% 15	+17 85% 46	+2.9 91% 24	-4.8 65% 45	+78 87% 21	+5.2 86% 63	-2.0 86% 87	-1.6 87% 71	-0.1 79% 81	+1.0 88% 81	+0.35 80% 65	+33 94% 10	+0.88 92% 57	+0.74 92% 7	+0.88 88% 11	\$231 21	\$394 17
VLYL483 HKFJ5 VLYH221	LAWSONS LINKEDIN L483 ^{SV} HBR	-0.05 47% 48	+4.1 87% 33	-6.0 78% 98	-1.2 98% 90	+4.0 98% 50	+58 97% 20	+108 97% 11	+152 97% 4	+141 95% 7	+25 95% 6	+4.0 94% 6	-4.2 67% 60	+103 92% 1	+8.8 89% 23	-1.1 88% 71	+1.9 91% 16	+0.3 84% 60	+1.8 91% 61	-0.23 82% 10	+20 89% 53	+1.02 85% 82	+0.76 85% 9	+0.86 81% 9	\$206 47	\$380 26
VLYQ44 VLYM518 VLYK914	LAWSONS MIRACULOUS Q44 ^{PV} HBR	-0.06 40% 45	+4.3 76% 32	-2.5 65% 91	-7.3 97% 12	+3.6 96% 41	+49 93% 60	+89 93% 57	+111 92% 68	+103 89% 47	+9 82% 94	+3.1 90% 19	-3.1 54% 83	+47 81% 94	+21.0 81% 1	+0.4 81% 37	+0.5 81% 35	+2.0 75% 2	+2.5 82% 42	+0.26 80% 55	+37 84% 5	+0.96 81% 73	+0.92 81% 37	+0.98 77% 34	\$232 20	\$377 28
VLYM518 USA17354145 VLYH229	LAWSONS MOMENTOUS M518 HBR	+0.05 43% 81	-3.4 97% 87	-3.1 90% 93	-5.2 99% 37	+4.0 99% 50	+50 99% 55	+92 99% 50	+112 99% 65	+83 98% 78	+22 98% 16	+2.6 99% 32	-3.0 79% 84	+49 97% 91	+12.2 95% 5	-0.6 96% 60	+0.3 96% 38	+0.3 94% 60	+5.6 95% 2	+0.80 90% 94	+37 99% 6	+0.90 99% 61	+1.02 99% 61	+1.14 98% 81	\$217 34	\$331 65
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 8

Ident	Name		Calv-Ease		Birth		Growth			Maternal			Fert			Carcase				Feed	Temp	Structural		Selection Index		
Sire Dam	Reg.	Shear Force	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
VLYP316 USA16295688 VLYM527	LAWSONS PROPHET P316 ^{PV} HBR	+0.00 41% 66	+5.7	+5.5	-2.4	+3.3	+58	+89	+106	+62	+18	+0.3	-4.2	+69	+10.5	-4.1	-3.9	+1.6	+3.9	+0.39	+30	+0.62	+0.70	+0.80	\$279	\$404
VLJR4010 USA17354145 VLYP4005	LAWSONS ROCKY R4010 ^{PV} HBR	-0.14 41% 19	+6.7	+5.5	-4.6	+2.4	+53	+93	+123	+98	+23	+2.4	-4.3	+71	+11.1	+1.7	+1.6	+0.2	+4.5	+1.34	+21	+1.00	+1.08	+1.04	\$248	\$408
VLJR1217 USA18217198 VLYN976	LAWSONS ROMULUS R1217 ^{PV} HBR	+0.06 36% 83	+2.8	+6.3	-5.8	+3.7	+63	+107	+147	+114	+18	+1.3	-2.3	+81	+9.9	-4.2	-4.0	+1.2	+4.1	+0.57	+12	+1.16	+1.10	+0.94	\$255	\$411
NMMD78 USA14237157 NMMY119	MILLAH MURRAH EQUATOR D78 HBR	+0.07 74% 85	-0.9	+6.4	-9.1	+5.0	+62	+111	+158	+185	+18	+2.1	-4.1	+90	+1.9	-1.8	-3.5	+1.0	+0.1	-0.99	+22	+0.82	+0.94	+1.06	\$157	\$356
NMMH250 NMME78 NMME120	MILLAH MURRAH HERCULES HBR	-0.21 55% 7	-3.1	+3.1	-2.9	+6.0	+42	+76	+107	+95	+12	+2.5	-4.7	+61	+3.1	-1.4	-0.6	+0.4	+2.4	+0.15	+18	+0.92	+1.14	+1.08	\$153	\$273
NMMG18 NZE12170004408 NMMD85	MILLAH MURRAH HIGHLANDER HBR	-0.12 72% 25	-1.4	-3.8	-3.2	+4.4	+49	+87	+110	+88	+20	+4.1	-2.8	+77	+10.4	-3.3	-1.7	+2.1	-0.2	-0.11	+12	+0.80	+0.94	+1.02	\$173	\$286
NMMK35 NZE469 NMMG41	MILLAH MURRAH KINGDOM K35 HBR	+0.04 46% 78	-12.2	-7.4	-2.1	+8.8	+54	+99	+137	+148	+12	+0.9	-5.1	+62	+7.6	+0.0	+0.1	+1.1	-1.1	-0.74	+27	+0.82	+1.28	+1.20	\$128	\$260
NMMK42 NGMT30 NMMH4	MILLAH MURRAH KLOONEY K42 HBR	+0.00 46% 66	+4.1	+1.5	-6.1	+5.6	+47	+86	+107	+89	+23	+2.2	-5.5	+64	+6.3	-1.3	-3.1	+1.3	+1.8	-0.05	+17	+0.84	+0.90	+1.06	\$202	\$338
NMML133 USA17091363 NMMH49	MILLAH MURRAH LOCH UP L133 HBR	-0.17 40% 13	+4.8	+4.4	-5.5	+4.9	+59	+100	+132	+101	+26	+2.1	-1.8	+79	+1.5	-2.2	-4.1	-0.6	+1.8	-0.14	+32	+0.70	+1.08	+1.16	\$167	\$307
NMMM308 NZE14647008839 NMMH331	MILLAH MURRAH MILESTONE HBR	+0.12 44% 93	+6.5	+5.4	-7.5	+4.6	+43	+79	+92	+80	+18	+2.5	-5.8	+44	+4.4	+2.4	+5.1	-0.3	+2.1	+0.11	+20	+0.84	+1.00	+1.22	\$200	\$344
NJWH283 NJWF189 NJWE51	MILWILLAH ELSOM H283 ^{PV} HBR	-0.06 57% 45	+1.1	-5.7	-2.3	+3.9	+47	+83	+122	+110	+22	+1.8	-1.6	+75	+9.3	-2.4	-2.6	+1.6	+1.5	+0.40	+19	+0.76	+0.86	+1.04	\$155	\$276
BWFQ33 USA18181757 BWFN9	MOOGENILLA QUINELLA Q33 ^{PV} HBR	-0.18 39% 11	+3.1	+9.8	-6.4	+3.7	+59	+115	+145	+83	+26	+3.0	-2.5	+98	+10.1	-1.5	-0.5	+0.1	+4.4	+0.67	+30	+0.80	+0.96	+0.88	\$269	\$417
EGRM39 HIOG18 EGRD9	MOSQUITO CREEK MAXIMUS HBR	-0.10 42% 31	+3.5	+4.1	-6.1	+5.2	+60	+107	+140	+138	+16	+2.0	-7.6	+72	+6.5	+0.6	+0.1	+0.4	+2.3	+0.04	+12	+0.84	+0.84	+0.98	\$248	\$440
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 9

Ident		Name																													
Sire Dam	Reg.	Shear Force	Calv-Ease		Birth		Growth			Maternal			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					
EGRQ53 USA18463791 EGRG2	MOSQUITO CREEK QUALITY Q53 HBR	+0.00 38% 66	+8.1	+9.4	-6.3	+0.4	+59	+105	+135	+109	+28	+1.5	-5.5	+79	+0.0	-0.5	-1.9	-0.4	+1.8	-0.29	+31	+1.10	+1.20	+1.14	\$217	\$392					
CSWP036 USA17236055 CSWL123	MURDEDUKE BLACK PEARL HBR	-0.10 44% 31	+2.0	+3.9	-8.6	+4.7	+50	+93	+135	+120	+20	+3.3	-6.9	+59	+1.2	+0.5	-1.0	-1.1	+6.3	+0.67	+14	+0.86	+1.18	+1.22	\$212	\$380					
CSWH211 VTME343 CSWE175	MURDEDUKE HUSSAR H211 PV HBR	-0.22 43% 6	+1.1	+4.9	-8.7	+6.1	+60	+118	+152	+166	+12	+4.0	-5.3	+82	+1.8	-2.0	-5.5	+0.9	-0.6	-0.72	+29	+0.54	+0.86	+1.02	\$162	\$361					
CSWK428 VTME343 CSWE175	MURDEDUKE KICKING K428 PV HBR	-0.21 42% 7	+7.4	+8.9	-7.7	+1.9	+48	+93	+115	+88	+24	+3.4	-5.6	+66	+2.0	-0.4	-2.9	+0.4	+0.7	-0.11	+42	+0.88	+1.00	+1.20	\$189	\$345					
CSWQ011 VLYM518 CSWN026	MURDEDUKE QUARTERBACK HBR	+0.08 43% 87	+4.6	+0.0	-9.5	+3.0	+53	+98	+130	+114	+22	+4.1	-5.3	+74	+4.3	+1.7	+2.4	-1.0	+5.2	+0.62	+25	+0.74	+1.14	+1.08	\$219	\$384					
NURM208 SMPG357 NURK45	MURRAY GENESIS M208 PV HBR	-0.12 43% 25	+1.0	+5.8	-5.9	+4.7	+50	+96	+129	+109	+20	+3.8	-6.1	+82	+16.4	-0.6	-2.7	+2.1	+0.9	+1.38	+6	+0.92	+1.02	+0.70	\$232	\$392					
NURN70 NORK522 NURJ53	MURRAY KODAK N70 PV HBR	-0.04 47% 52	+1.5	+3.8	-6.7	+4.4	+57	+102	+137	+140	+15	+5.2	-6.3	+79	+9.4	-1.2	-1.4	+0.9	+3.7	-0.34	+14	+0.94	+0.88	+0.92	\$234	\$420					
NURM204 USA16956101 NURJ43	MURRAY PROCEED M204 PV HBR	-0.39 43% 1	-5.6	+7.2	-4.5	+4.3	+62	+106	+143	+132	+18	+2.2	-3.0	+90	+13.4	-4.8	-5.7	+0.8	+6.7	+0.09	+24	+0.94	+0.76	+0.88	\$233	\$385					
NURP54 USA16350631 NURM13	MURRAY TWINHEARTS P54 PV HBR	+0.08 41% 87	-0.2	+4.1	-5.9	+6.7	+70	+126	+166	+159	+23	+1.8	-4.2	+102	+8.0	-2.3	-4.0	+1.0	+3.0	+0.19	+18	+0.86	+1.20	+0.88	\$248	\$440					
SFNL21 NZE10322010609 SFNH65	NAMPARA LIBERTY L21 SV HBR	+0.04 37% 78	-5.3	-3.3	-6.4	+8.6	+67	+111	+147	+165	+18	+2.9	-0.8	+78	+8.1	-2.0	-0.7	+1.9	-2.5	-0.63	+24	+0.86	+0.88	+1.00	\$140	\$294					
WLGP5 USA18229425 WLG M24	NARANDA PIMP P5 SV APR	-0.08 37% 37	+10.8	+9.3	-11.5	+1.6	+53	+99	+128	+97	+21	+1.6	-3.2	+82	+6.7	+1.4	+2.7	-0.3	+3.3	+0.34	-1	+0.70	+0.76	+1.04	\$232	\$394					
SKOJ6 VTME343 NZCE115	NEWLYN PARK EMPEROR J6 PV HBR	-0.01 44% 63	-7.4	-4.4	-7.2	+7.5	+64	+111	+143	+160	+10	+1.4	-4.4	+80	+7.8	-1.1	-1.2	+1.4	+0.3	-0.71	+16	+1.06	+0.80	+0.78	\$182	\$342					
NZE21095018 HIOE7 NZE21095112H49	NGAPUTAH I P206 PV HBR	-0.22 58% 6	+9.7	+5.1	-1.5	+0.0	+42	+84	+97	+73	+28	+2.6	-7.4	+52	+5.9	-0.4	-2.8	+1.2	+4.2	+0.19	+18	+0.96	+1.04	+1.12	\$243	\$389					
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345					

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 10

Ident	Name																										
Sire Dam	Reg.	Shear Force	Calv-Ease		Birth		Growth			Maternal			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	
USA16981588 USA16381311 USA16408070	PA FULL POWER 1208 PV HBR	-0.05 44% 48	-5.6 95% 93	-4.5 86% 96	-4.9 99% 42	+3.8 98% 45	+53 98% 41	+99 98% 29	+120 98% 47	+76 98% 86	+13 98% 78	+2.1 98% 50	-2.7 73% 88	+70 96% 43	+13.0 94% 3	-1.9 94% 85	+0.1 94% 41	+1.2 92% 13	+3.2 95% 26	+0.92 87% 97	+21 98% 46	+1.22 98% 97	+0.94 98% 41	+0.68 91% 1	\$228 23	\$332 64	
HKFE27 VTMA149 FAFC1	PARINGA IRON ORE E27 PV HBR	-0.17 81% 13	+6.4 71% 15	+0.7 66% 74	-7.0 97% 15	+2.0 96% 13	+35 95% 97	+67 95% 97	+90 94% 94	+96 91% 59	+13 92% 81	+1.9 92% 58	-7.2 65% 7	+66 91% 52	+6.9 90% 42	+1.5 90% 17	+2.5 91% 11	+1.2 84% 13	+1.7 92% 63	+0.32 84% 62	+31 89% 14	+0.88 84% 57	+0.90 84% 32	+0.98 79% 34	\$186 68	\$335 62	
SMPG357 VTMB1 SMPD245	PATHFINDER GENESIS G357 PV HBR	-0.13 44% 22	+0.1 97% 69	+4.2 89% 38	-7.2 99% 13	+6.7 99% 94	+61 99% 10	+108 99% 11	+148 99% 7	+138 98% 9	+25 98% 5	+4.4 98% 4	-5.8 85% 24	+95 97% 3	+13.4 96% 3	+0.4 96% 37	-0.8 96% 58	+1.5 95% 6	-0.1 95% 96	+0.61 90% 86	+27 98% 24	+0.88 98% 57	+1.04 98% 66	+0.80 96% 4	\$226 25	\$404 12	
SMPK22 SMPG357 SMPH756	PATHFINDER COMPLETE K22 SV HBR	-0.04 42% 52	+10.3 93% 1	+9.0 79% 3	-9.2 99% 3	+0.9 98% 5	+40 98% 90	+74 98% 92	+95 98% 91	+47 97% 99	+27 97% 3	+3.0 98% 21	-5.6 74% 27	+52 95% 88	+6.3 94% 50	+3.5 94% 3	+5.3 94% 2	+0.3 93% 60	+2.1 94% 52	+0.51 87% 80	+26 97% 26	+0.50 96% 3	+0.82 96% 16	+0.66 94% 1	\$232 20	\$358 43	
SMPM651 VTMG67 SMPH66	PATHFINDER MASTERPIECE HBR	+0.04 46% 78	+3.0 80% 44	+4.5 71% 35	-6.0 92% 26	+5.2 95% 76	+57 93% 22	+106 92% 15	+131 92% 24	+138 88% 9	+21 87% 23	+3.7 88% 9	-7.7 63% 4	+54 88% 83	+9.3 86% 19	-1.9 87% 85	-3.8 87% 94	+1.7 80% 4	+1.4 88% 72	-0.27 80% 9	+33 82% 11	+0.96 77% 73	+1.24 77% 94	+1.20 74% 91	\$235 17	\$426 5	
SMPM558 VTMG67 SMPH458	PATHFINDER MAXIMUS M558 PV HBR	-0.04 46% 52	-1.9 84% 81	+2.6 74% 56	-6.7 96% 18	+6.0 97% 87	+60 95% 13	+99 95% 30	+129 95% 29	+139 92% 8	+20 92% 25	+4.7 93% 2	-8.4 66% 2	+53 91% 86	+10.8 90% 10	-2.6 89% 93	-2.5 91% 84	+0.9 87% 25	+3.6 91% 19	-0.35 84% 6	+49 86% 1	+0.92 78% 65	+1.08 79% 74	+0.84 76% 7	\$240 13	\$420 6	
SMPN56 HIOG18 SMPL179	PATHFINDER NUCLEUS N56 SV HBR	-0.11 43% 28	+3.5 80% 39	+2.0 69% 62	-3.3 96% 68	+5.3 97% 78	+60 95% 14	+106 95% 14	+139 95% 13	+137 90% 9	+16 89% 60	+4.6 93% 3	-7.3 63% 6	+76 91% 25	+13.5 90% 3	+0.6 90% 33	+0.7 91% 31	+1.2 82% 13	+1.5 92% 69	+0.39 85% 69	+8 89% 91	+0.76 86% 32	+0.78 87% 11	+0.84 81% 7	\$256 6	\$448 2	
SMPP516 SMPM558 SMPJ282	PATHFINDER PHAT CAT P516 SV HBR	+0.02 43% 73	+5.8 74% 19	+2.8 63% 54	-7.6 96% 10	+4.3 96% 57	+52 94% 44	+89 94% 60	+117 94% 54	+85 88% 76	+25 82% 7	+5.4 92% 1	-9.5 57% 1	+49 86% 92	+12.0 84% 6	-3.2 84% 96	-2.7 85% 86	+0.8 78% 30	+6.1 87% 1	+0.16 79% 44	+39 92% 4	+0.78 85% 36	+1.14 85% 84	+0.94 80% 23	\$294 1	\$457 1	
SMPQ1357 NORL519 SMPM18	PATHFINDER QUEST Q1357 PV HBR	-0.23 40% 6	-3.1 76% 86	-0.3 67% 81	-6.4 94% 21	+5.4 95% 79	+63 93% 7	+116 92% 4	+162 92% 1	+175 87% 2	+16 79% 61	+1.7 86% 65	-4.9 57% 43	+83 80% 13	+5.5 80% 60	-1.9 81% 85	-3.2 81% 90	+1.0 75% 20	+3.4 81% 22	+0.16 81% 44	+28 88% 21	+0.88 83% 57	+0.66 84% 3	+1.10 80% 72	\$213 38	\$403 12	
NZE41-97 NZE53195 NZE63988	PINEBANK WAIGROUP 41/97 # HBR	+0.18 83% 98	+3.6 96% 38	-3.6 90% 94	-3.5 98% 65	+3.6 99% 41	+37 98% 95	+64 98% 98	+77 98% 99	+52 98% 98	+19 98% 37	+1.0 97% 86	-3.8 88% 70	+18 97% 99	+5.3 96% 62	+1.0 96% 25	+0.1 96% 41	+0.9 95% 25	+1.1 96% 79	-0.06 90% 21	+33 93% 11	+0.32 87% 1	+0.94 87% 41	+1.00 82% 40	\$155 89	\$245 96	
WQCQ47 VLYM518 VLYM1690	QUANDEN SPRINGS HBR	-0.06 41% 45	+9.4 76% 2	+7.2 66% 11	-9.2 91% 3	-0.7 92% 1	+50 91% 53	+97 90% 34	+130 90% 26	+117 86% 27	+29 79% 1	+5.0 85% 2	-5.0 54% 40	+47 80% 93	+11.1 80% 8	+1.6 80% 16	+1.5 81% 20	+0.3 74% 60	+2.8 81% 34	-0.21 78% 11	+27 88% 24	+1.06 82% 87	+1.06 84% 70	+1.08 78% 66	\$221 30	\$403 12	
NORE11 NGMY145 VLYY5	RENNYLEA EDMUND E11 PV HBR	-0.02 82% 60	+8.7 99% 4	+1.3 97% 69	-6.8 99% 17	+1.2 99% 6	+34 99% 98	+64 99% 98	+84 99% 97	+55 99% 97	+16 99% 55	+1.9 99% 58	-7.5 94% 5	+52 98% 88	+3.9 98% 78	+3.3 98% 4	+1.4 98% 21	-0.1 98% 81	+4.0 98% 13	+0.77 96% 93	+23 99% 38	+0.56 99% 6	+1.04 99% 66	+1.10 99% 72	\$202 51	\$324 70	
NORG255 BNAD145 NORC490	RENNYLEA G255 PV APR	-0.50 49% 1	-10.5 81% 99	-5.9 79% 98	-3.0 98% 72	+4.6 98% 64	+49 98% 57	+94 98% 45	+128 98% 31	+126 98% 17	+21 98% 23	+0.7 97% 91	-3.4 82% 78	+89 96% 6	+7.1 95% 40	-0.7 95% 63	-3.8 96% 94	+0.8 93% 30	+5.0 95% 5	-0.02 90% 25	+9 97% 89	+1.18 95% 96	+0.90 95% 32	+0.84 93% 7	\$161 87	\$277 90	
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345	

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 11

Ident	Name		Calv-Ease		Birth		Growth			Maternal			Fert		Carcase					Feed	Temp	Structural			Selection Index	
Sire Dam	Reg.	Shear Force	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
NORH708 NORC511 NORE176	RENNYLEA H708 ^{PV} APR	-0.02 55% 60	-7.4 93% 96	+2.8 84% 54	+1.2 98% 99	+4.7 98% 66	+47 98% 68	+101 98% 23	+129 98% 29	+130 97% 14	+12 97% 83	+2.5 97% 36	-3.2 80% 81	+72 96% 35	+12.4 95% 4	-3.8 95% 98	-6.5 95% 99	+2.2 93% 1	+7.1 95% 1	+0.69 92% 90	+21 98% 48	+0.72 98% 24	+0.68 98% 3	+0.90 97% 14	\$217 34	\$361 41
NORK163 NORH106 NORE176	RENNYLEA K163 ^{PV} APR	-0.20 49% 9	+5.1 89% 25	-7.7 79% 99	-3.7 98% 61	+2.5 98% 20	+39 98% 92	+73 98% 93	+94 97% 92	+65 97% 93	+10 96% 94	+0.7 95% 91	-4.7 77% 48	+61 94% 69	+18.5 94% 1	-0.1 94% 48	-1.0 94% 61	+2.6 91% 1	+2.4 94% 44	+0.17 88% 45	+18 91% 58	+0.66 90% 15	+0.70 90% 4	+1.00 87% 40	\$233 19	\$342 56
NORK835 NORG420 NORH514	RENNYLEA K835 ^{PV} APR	-0.23 46% 6	-3.9 83% 89	-4.3 70% 96	-2.0 98% 84	+6.3 95% 91	+47 96% 67	+87 95% 66	+111 95% 66	+95 91% 62	+11 89% 89	+3.1 90% 19	-3.8 65% 70	+53 90% 85	+10.1 89% 13	+1.0 89% 25	-1.1 89% 63	+0.4 86% 54	+4.2 90% 11	-0.13 81% 16	+10 92% 88	+0.64 89% 13	+1.08 89% 74	+1.12 86% 77	\$184 70	\$302 81
NORK522 NORE11 NORF810	RENNYLEA KODAK K522 ^{SV} HBR	+0.10 55% 90	+8.8 94% 4	+9.0 83% 3	-4.8 99% 43	+1.4 99% 8	+45 98% 75	+83 98% 75	+109 98% 70	+111 97% 35	+10 97% 91	+4.6 98% 3	-6.9 74% 9	+51 95% 89	+3.2 93% 84	+3.0 94% 5	+1.4 94% 21	-0.3 92% 87	+3.9 94% 15	+0.24 88% 53	+7 96% 94	+0.62 97% 11	+0.82 97% 16	+0.96 95% 28	\$205 48	\$385 22
NORL508 USA17366506 NORH414	RENNYLEA L508 ^{PV} HBR	-0.13 42% 22	+1.0 84% 62	+8.0 78% 6	-5.9 99% 27	+2.6 99% 21	+46 98% 74	+85 98% 70	+117 98% 54	+92 98% 65	+26 98% 4	+1.4 98% 75	-7.0 81% 9	+56 96% 81	+5.0 95% 66	+1.0 95% 25	+0.0 95% 43	-0.1 93% 81	+5.1 95% 4	+0.67 89% 89	+16 99% 69	+0.68 98% 18	+0.84 98% 20	+0.88 97% 11	\$232 19	\$379 26
NORL683 NORE11 NORJ631	RENNYLEA L683 ^{PV} APR	-0.16 58% 15	+1.9 84% 54	+1.7 74% 65	-4.4 98% 50	+5.0 97% 72	+55 96% 31	+95 96% 40	+119 96% 49	+107 94% 42	+5 92% 99	+2.3 95% 43	-5.9 69% 22	+79 91% 18	+4.7 90% 70	+0.7 88% 31	-1.2 91% 65	+0.8 85% 30	+2.3 91% 47	+0.61 85% 86	+24 95% 35	+0.70 92% 21	+0.88 92% 28	+1.00 89% 40	\$223 27	\$378 27
NORM1078 NORH708 NORF563	RENNYLEA M1078 ^{SV} APR	-0.15 46% 17	-5.6 79% 93	-0.1 68% 80	-1.8 97% 86	+3.3 96% 34	+41 95% 89	+82 95% 77	+102 95% 83	+101 93% 51	+11 89% 89	+1.8 93% 62	-4.6 65% 50	+59 92% 74	+10.3 90% 12	-2.0 90% 87	-5.3 91% 98	+1.0 83% 20	+7.8 92% 1	+0.74 85% 92	+11 94% 86	+0.92 91% 65	+1.02 92% 61	+1.14 89% 81	\$199 55	\$322 71
NORP987 NORM763 NORM1184	RENNYLEA P987 ^{PV} APR	+0.11 42% 92	+10.2 74% 1	+9.5 64% 2	-7.9 97% 8	+1.4 97% 8	+50 96% 53	+97 95% 34	+123 95% 40	+128 92% 15	+9 86% 94	+0.3 92% 96	-2.7 61% 88	+73 89% 34	+5.7 88% 57	+3.2 88% 4	+2.1 88% 14	-1.0 80% 98	+7.7 90% 1	+0.96 80% 98	+6 95% 95	+0.90 91% 61	+0.92 91% 37	+1.06 86% 60	\$224 27	\$408 10
NORQ1081 NORH708 NORL841	RENNYLEA Q1081 ^{PV} APR	-0.01 44% 63	-2.7 76% 84	+5.0 66% 29	-3.6 92% 63	+4.0 93% 50	+50 92% 52	+90 91% 55	+117 92% 54	+104 87% 46	+12 80% 84	+3.4 87% 13	-5.6 58% 87	+50 81% 27	+10.0 82% 91	+0.2 82% 14	-1.2 82% 41	+0.7 77% 35	+6.4 83% 1	+0.78 80% 94	+13 89% 80	+0.86 86% 53	+0.88 87% 28	+0.88 82% 11	\$241 13	\$387 21
NORQ213 NORK907 NORL110	RENNYLEA Q213 ^{PV} APR	-0.06 40% 45	+9.4 78% 2	+6.9 67% 12	-7.1 97% 14	+1.2 97% 6	+66 97% 4	+120 96% 2	+152 96% 4	+96 92% 59	+24 85% 7	+0.7 94% 91	-9.7 58% 1	+103 89% 1	+8.7 87% 23	+0.4 86% 37	+0.0 87% 43	+0.2 79% 66	+3.1 89% 28	+0.70 80% 91	+27 96% 24	+0.54 92% 5	+0.68 92% 3	+0.84 88% 7	\$339 1	\$529 1
NORR992 NORN542 NORM1034	RENNYLEA R992 ^{PV} APR	-0.07 41% 41	+5.0 68% 25	+6.3 59% 17	+2.0 95% 99	+1.4 95% 8	+44 93% 81	+84 92% 74	+116 92% 56	+86 87% 75	+27 79% 3	+1.7 90% 65	-5.8 51% 24	+69 80% 44	+10.9 79% 9	+1.6 80% 16	+2.0 80% 15	-0.1 74% 81	+6.2 81% 1	+1.16 67% 99	+25 92% 30	+0.60 74% 9	+0.78 75% 11	+0.82 72% 5	\$252 7	\$403 13
TRHP52 TRHL9 TRHH92	RICHMOND HILL PLAY P52 ^{SV} HBR	-0.36 39% 1	+5.2 72% 24	+3.6 58% 45	+0.1 93% 96	+4.0 94% 50	+52 92% 42	+93 91% 46	+116 92% 57	+123 86% 20	+11 76% 89	+4.2 80% 5	-6.3 53% 16	+74 90% 29	+11.0 89% 9	-5.0 88% 99	-3.0 89% 88	+1.6 78% 5	+3.0 91% 30	-0.34 84% 6	+31 87% 14	+1.04 86% 85	+1.02 86% 61	+0.98 81% 34	\$231 20	\$408 10
NZE14572019 HKFM103 NZE14572117009	RISSINGTON SOVEREIGN Q485 HBR	-0.04 41% 52	+10.6 82% 1	+9.0 61% 3	-7.0 98% 15	+0.8 97% 4	+63 96% 7	+115 87% 5	+151 87% 5	+124 83% 19	+21 76% 23	+3.0 80% 21	-3.7 43% 72	+88 77% 7	+8.2 70% 28	-2.1 71% 88	-4.2 72% 95	+0.0 63% 76	+6.0 75% 2	+0.24 62% 53	-8 95% 99	+0.98 65% 76	+1.02 65% 61	+1.08 63% 66	\$262 4	\$451 2
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 12

Ident	Name																												
Sire Dam	Reg.	Shear Force	Calv-Ease		Birth		Growth			Maternal			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			
USA16396573 USA0035 USA15688516	S A V CAMARO 9272 ^{SV} HBR	-0.41 70% 1	+3.8 86% 36	+0.6 73% 75	-6.7 97% 18	+3.6 97% 41	+49 96% 59	+79 96% 84	+99 96% 87	+103 92% 48	+9 94% 96	+1.2 91% 81	-6.1 62% 19	+42 93% 97	+0.4 91% 97	-0.5 91% 58	-2.4 91% 82	+0.9 84% 25	+1.6 92% 66	+1.09 84% 99	+20 86% 53	+1.08 86% 89	+0.84 86% 20	+0.80 78% 4	\$179 75	\$322 71			
NZE21159019 USA18217198 NZE21159117053	SEVEN HILLS 312/19 ^{PV} HBR	+0.05 39% 81	+1.9 76% 54	+4.6 65% 34	-7.5 93% 11	+3.4 92% 36	+52 90% 46	+94 89% 43	+120 91% 47	+92 86% 66	+20 78% 26	-0.9 81% 99	-1.9 50% 94	+70 79% 42	+7.9 80% 31	-4.3 80% 99	-5.2 80% 98	+1.0 74% 20	+3.9 80% 15	+1.28 81% 99	+5 86% 96	+1.04 86% 85	+0.96 86% 47	+1.06 81% 60	\$209 43	\$337 60			
APBK11 VTMB1 APBF2	SHACORRAHDALU KINETIC K11 HBR	+0.03 49% 75	+10.0 78% 2	+10.1 70% 1	-9.1 93% 4	+0.4 92% 3	+49 91% 58	+88 90% 61	+103 91% 81	+95 87% 61	+11 83% 91	+4.5 84% 3	-6.6 64% 12	+64 86% 59	+10.3 84% 12	+3.4 84% 3	+2.2 85% 13	+0.8 77% 30	+2.0 86% 55	+0.84 78% 95	+1 86% 99	+0.96 82% 73	+1.16 81% 87	+1.10 78% 72	\$241 13	\$415 8			
APB21S24 USA18636106 APBJ23	SHACORRAHDALU PHOENIX HBR	+0.10 46% 90	+8.2 75% 6	+5.2 64% 27	-8.1 93% 7	-0.5 90% 1	+55 89% 29	+101 87% 24	+134 86% 20	+87 83% 73	+26 78% 5	+2.7 84% 29	-7.9 51% 4	+88 78% 6	+4.2 74% 75	+2.1 74% 11	+4.1 75% 4	-0.1 67% 81	+2.0 77% 55	+0.89 69% 96	+13 86% 78	+0.94 74% 69	+1.14 74% 84	+1.12 69% 77	\$272 2	\$441 3			
APBR5 TFAK132 HBUP80	SHACORRAHDALU ROYALE R5 HBR	-0.13 42% 22	+7.7 76% 8	+7.0 65% 12	-6.6 93% 19	+2.1 93% 14	+48 91% 64	+92 90% 49	+113 90% 63	+66 85% 93	+23 78% 10	+2.4 85% 39	-6.8 53% 10	+68 79% 47	+9.3 79% 19	+3.3 79% 4	+4.1 79% 4	+0.3 73% 60	+3.3 79% 24	+1.03 79% 98	+11 87% 86	+0.84 88% 49	+1.04 87% 66	+0.74 83% 2	\$277 2	\$428 5			
SYAN340 SYAL178 SGMK250	STONEY POINT NOLTE N340 ^{SV} HBR	+0.22 39% 99	-1.1 77% 76	-7.0 66% 99	-6.0 96% 26	+6.2 96% 90	+71 95% 1	+128 96% 1	+165 96% 1	+161 93% 2	+17 87% 49	+3.5 93% 12	-2.5 59% 90	+107 88% 1	+5.5 87% 60	-3.3 87% 97	-5.3 87% 98	+0.8 79% 30	+2.8 89% 34	-0.15 77% 15	+5 88% 96	+0.96 89% 73	+0.92 90% 37	+1.22 84% 93	\$208 45	\$383 24			
SYAP147 USA17936442 SWAH233	STONEY POINT PERRY P147 ^{PV} HBR	+0.14 44% 95	+4.5 74% 30	+1.5 61% 67	-4.7 93% 45	+4.7 93% 66	+57 92% 23	+104 91% 19	+134 91% 19	+113 87% 32	+22 79% 17	+1.8 86% 62	-7.2 56% 7	+96 88% 2	+9.8 87% 15	-1.2 87% 73	-0.6 88% 54	+0.4 78% 54	+3.8 90% 16	-0.16 80% 14	+5 88% 96	+0.86 84% 53	+0.80 84% 14	+0.66 76% 1	\$266 3	\$438 3			
NZE19507018 NORL508 NZE19507113J320	STORTH OAKS FULLY LOADED HBR	-0.10 45% 31	+7.9 76% 7	+6.6 65% 15	-11.5 97% 1	+1.2 97% 6	+45 95% 76	+88 95% 63	+134 95% 20	+133 88% 12	+20 82% 28	+3.3 93% 15	-7.0 59% 9	+65 89% 56	+2.5 88% 89	+0.8 88% 29	+0.2 89% 40	-0.5 80% 92	+3.5 90% 21	+0.83 83% 95	+32 93% 12	+0.52 86% 4	+0.76 86% 9	+1.04 83% 53	\$189 66	\$379 26			
NZE19507013 VTME343 NZE19507111G183	STORTH OAKS JACK J7 ^{SV} HBR	-0.22 42% 6	+4.9 89% 26	+7.6 79% 8	-4.8 98% 43	+4.5 98% 62	+61 97% 12	+113 97% 6	+152 97% 4	+145 95% 6	+17 94% 48	+3.5 96% 12	-0.9 70% 98	+80 93% 16	+8.1 92% 29	-0.2 92% 51	-2.9 93% 88	-0.3 90% 87	+2.4 93% 44	-0.01 86% 26	+19 96% 55	+0.98 93% 76	+0.98 93% 52	+0.90 89% 14	\$178 76	\$359 42			
VSNG34 VTMB1 VSNE22	STRATHEWEN BERKLEY G34 ^{PV} HBR	+0.22 48% 99	+7.0 84% 11	+7.6 75% 8	-6.4 95% 21	+3.6 94% 41	+57 93% 24	+108 92% 12	+142 93% 10	+148 91% 5	+19 89% 33	+2.3 87% 43	-7.2 68% 7	+82 91% 13	+5.6 90% 59	+0.9 89% 27	+0.0 90% 43	+0.3 86% 60	+1.7 91% 63	-0.09 85% 19	+30 89% 16	+1.12 88% 92	+1.28 88% 96	+1.10 84% 72	\$229 22	\$439 3			
USA17236055 USA15354674 USA16214508	SYDGEN BLACK PEARL 2006 ^{PV} HBR	-0.05 38% 48	+2.0 98% 53	+7.8 93% 7	-7.0 99% 15	+3.2 99% 32	+51 99% 47	+85 99% 69	+123 99% 40	+87 98% 73	+21 99% 19	+1.6 99% 69	-3.5 89% 76	+73 98% 33	+8.4 97% 26	+0.4 97% 37	+0.0 97% 43	+0.4 96% 54	+2.6 97% 39	+0.27 92% 56	+15 99% 72	+1.02 99% 82	+1.20 99% 91	+1.14 98% 81	\$211 41	\$343 55			
VTMA149 VTMX60 VTMU338	TE MANIA ADA A149 ^{PV} HBR	-0.03 58% 56	-6.9 97% 95	-1.7 91% 88	-3.2 99% 69	+6.6 99% 93	+53 99% 38	+97 99% 34	+130 99% 27	+171 98% 1	+10 98% 93	+2.0 98% 54	-2.0 86% 94	+82 97% 13	+3.0 96% 85	-3.3 97% 97	-2.0 97% 77	+1.4 96% 8	-0.4 96% 98	-0.68 91% 1	+27 97% 25	+0.88 97% 57	+0.74 97% 7	+0.78 96% 3	\$95 99	\$250 96			
VTMK52 USA16295688 VTMH423	TE MANIA KALIBROOK K52 ^{PV} HBR	-0.02 39% 60	+7.8 78% 7	+5.2 69% 27	-3.0 94% 72	+1.5 95% 8	+52 92% 45	+104 92% 19	+128 91% 30	+102 87% 49	+30 83% 1	+1.7 87% 65	-5.9 65% 22	+71 87% 37	+3.2 86% 84	+0.4 84% 13	+2.2 87% 13	-0.6 82% 94	+5.4 88% 3	+1.49 79% 99	+10 87% 89	+1.18 89% 96	+1.08 89% 74	+1.12 86% 77	\$253 7	\$425 5			
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345			

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 13

Ident	Name		Calv-Ease		Birth		Growth			Maternal			Fert		Carcase					Feed	Temp	Structural		Selection Index		
Sire Dam	Reg.	Shear Force	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
VTMK138 USA16295688 VTMH17	TE MANIA KIRBY K138 PV HBR	+0.00 37% 66	+0.2	+7.7	-1.3	+4.6	+52	+90	+118	+97	+18	+2.5	-9.5	+66	+5.6	+1.3	+3.2	-1.6	+8.4	+1.03	+14	+0.78	+0.74	+0.94	\$276	\$441
VTML64 VTMJ131 VTMJ1139	TE MANIA LANCASTER L64 PV HBR	-0.18 44% 11	+3.8	+7.2	-9.5	+3.1	+49	+91	+119	+108	+20	+1.0	-7.2	+66	+0.2	+1.6	-2.7	+0.0	+4.9	-0.38	+14	+0.78	+0.98	+1.06	\$224	\$389
VTMN424 VTMJ89 VTMJ214	TE MANIA NEBO N424 PV HBR	-0.27 40% 3	+9.3	+0.3	-6.6	+4.2	+54	+101	+131	+103	+29	+4.4	-4.0	+57	+6.9	-1.1	-4.1	+0.4	+3.9	-0.15	+46	+0.94	+0.88	+0.96	\$212	\$365
VTMN1387 VTMK138 VTML452	TE MANIA NEON N1387 SV HBR	-0.20 40% 9	-0.2	+4.3	-6.0	+3.6	+48	+87	+106	+96	+18	+1.4	-8.4	+49	+2.2	-0.1	-1.6	-1.6	+9.0	-0.04	+25	+0.74	+0.82	+1.00	\$233	\$384
VTMP888 VTMK226 VTMH423	TE MANIA PESO P888 PV HBR	-0.20 41% 9	+8.3	+6.2	-5.2	+1.9	+56	+113	+143	+118	+26	+2.1	-6.0	+90	+5.3	-0.5	+1.1	+0.6	+1.4	-0.02	+23	+0.84	+1.12	+0.98	\$249	\$436
VTMQ854 USA18229488 VTML1244	TE MANIA QUEBEC Q854 SV HBR	-0.05 37% 48	+8.3	+3.5	-2.7	+1.3	+53	+93	+120	+78	+26	+1.3	-3.2	+60	+4.5	+0.6	+2.2	-0.4	+4.0	+0.66	+28	+0.58	+0.74	+0.70	\$230	\$367
VTMR970 VTMP149 VTMP287	TE MANIA RESOLUTION R970 PV HBR	-0.08 39% 37	+1.3	+4.6	-4.4	+3.4	+58	+107	+136	+100	+23	+2.2	-6.6	+78	+10.4	-0.3	-0.1	+0.9	+2.6	-0.07	+22	+0.74	+0.92	+1.20	\$273	\$433
DXTR725 USA18962396 DXTH647	TEXAS ICEMAN R725 PV HBR	-0.20 37% 9	-1.0	+1.8	-4.2	+3.7	+54	+100	+124	+99	+12	+2.4	-3.8	+74	+12.7	+3.0	+4.6	+0.4	+2.0	+0.22	+39	+1.30	+0.98	+0.60	\$231	\$374
USA18704096 USA16933958 USA18048451	THOMAS EDISON 6764 PV HBR	+0.13 37% 94	-2.5	+7.8	-0.3	+4.2	+63	+105	+139	+140	+14	+0.5	-4.5	+82	+11.4	-5.5	-8.2	+1.7	+2.2	-0.20	+20	+0.86	+1.02	+0.92	\$213	\$378
DBLL292 USA16295688 VSNF04	TOPBOS LEADING EDGE L292 PV HBR	+0.09 40% 89	+1.6	+7.4	-5.7	+6.6	+73	+126	+164	+147	+22	+1.4	-3.9	+83	+4.1	-2.8	-5.2	+0.2	+1.4	+0.06	+21	+0.94	+0.76	+0.78	\$225	\$410
NZE17691009 NZE17691003Y167 NZE17691195Q263	TURIHAUA CRUMP E5 SV HBR	+0.06 41% 83	-1.8	-1.8	-5.8	+3.3	+28	+59	+84	+94	+14	+1.3	-9.8	+16	-0.1	+5.2	+3.4	-0.2	+1.4	+0.48	+29	+0.62	+1.20	+1.18	\$131	\$261
USA18066037 USA17262835 USA16924432	V A R LEGEND 5019 SV HBR	+0.00 37% 66	-4.3	+4.9	-6.2	+5.3	+69	+122	+148	+158	+7	+2.8	-3.5	+88	+9.8	-4.2	-6.2	+1.4	+2.1	-0.29	+18	+1.04	+0.68	+0.88	\$213	\$392
NZE18954020 NZE21159016327 NZE18954118P105	WAITANGI R257 PV HBR	-0.15 39% 17	+0.4	-1.4	-6.3	+3.6	+53	+93	+124	+105	+26	+3.2	-7.6	+67	+8.5	-0.5	-1.5	+0.0	+5.5	+1.39	+17	+0.84	+0.72	+0.96	\$243	\$395
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345

Angus Australia - Shear Force Research Breeding Values

Date: June 18, 2024

Page: 14

Ident	Name	Shear Force	Calv-Ease		Birth		Growth			Maternal			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	
BSCF73 USA15688392 BSCZ66	WAITARA PIO FEDERAL F73 SV HBR	+0.14 77% 95	+4.6 90% 29	+5.0 77% 29	-4.3 98% 52	+1.6 98% 9	+56 97% 25	+104 98% 18	+135 97% 18	+93 96% 65	+25 96% 6	+2.6 97% 32	-2.8 70% 87	+88 95% 7	+5.7 94% 57	-0.3 94% 53	+0.1 94% 41	+0.2 89% 66	+1.5 94% 69	+0.30 88% 60	+12 96% 84	+1.36 95% 99	+1.20 95% 91	+0.96 92% 28	\$215 36	\$362 39	
BSCP90 GTNM6 BSCJ2	WAITARA PRINCETON P90 PV HBR	-0.05 40% 48	+0.4 73% 67	+5.1 62% 28	-2.1 96% 83	+3.7 95% 43	+48 95% 64	+93 95% 46	+124 94% 39	+77 91% 85	+24 84% 8	+2.4 92% 39	-3.9 56% 67	+80 89% 18	+7.1 88% 40	-0.1 87% 48	+0.1 88% 41	-0.2 80% 84	+3.8 90% 16	+0.63 81% 87	+34 92% 9	+0.60 92% 9	+0.82 92% 16	+1.08 89% 66	\$214 38	\$340 57	
LEJ21S102 NJWN498 ASHL24	WALLAWONG SAFE & SOUND HBR	+0.10 37% 90	+6.0 72% 18	+3.8 60% 43	-6.2 92% 23	+4.6 90% 64	+49 89% 61	+87 85% 64	+111 85% 68	+93 82% 64	+18 76% 40	+2.0 80% 54	-2.9 44% 86	+64 75% 61	+6.8 70% 43	-1.3 71% 75	-1.3 72% 67	+0.7 63% 35	+4.0 74% 13	+0.40 62% 70	+15 84% 74	+0.58 68% 7	+0.76 68% 9	+1.14 66% 81	\$211 41	\$351 49	
QKBP29 SMPG357 QKBM01	WARRAWEE PATROL P29 PV HBR	+0.04 46% 78	+6.7 79% 13	+10.9 70% 1	-12.0 96% 1	+3.0 94% 28	+55 93% 31	+104 91% 18	+139 90% 13	+132 88% 13	+19 82% 34	+2.2 87% 47	-9.3 64% 1	+99 86% 2	+9.1 84% 20	+3.4 84% 3	+1.8 85% 17	+0.4 78% 54	+1.8 86% 61	+0.74 78% 92	+28 88% 21	+0.84 77% 49	+1.22 78% 93	+1.00 73% 40	\$267 3	\$477 1	
NWPG188 USA15462648 NWPE295	WATTLETOP FRANKLIN G188 SV HBR	+0.13 40% 94	+4.0 96% 34	+5.9 87% 20	-4.4 99% 50	+2.3 99% 17	+64 98% 6	+109 98% 10	+141 98% 12	+116 98% 28	+25 97% 7	+3.8 98% 8	-3.4 77% 78	+82 96% 13	+1.3 95% 94	-1.5 95% 79	-2.2 95% 80	-0.1 93% 81	+0.5 94% 90	-1.20 88% 1	+33 97% 10	+1.10 96% 91	+0.96 96% 47	+0.94 94% 23	\$192 63	\$355 45	
CWDJ17 BNAD145 CWDF14	WEATHERLY JAMES J17 SV HBR	-0.24 49% 5	-3.9 79% 89	-3.5 72% 94	-3.3 93% 68	+6.0 93% 87	+49 92% 60	+83 92% 76	+109 93% 71	+117 89% 27	+2 87% 99	+1.5 86% 72	-4.3 67% 58	+65 90% 57	+8.5 89% 25	+1.2 89% 22	+2.3 90% 13	+1.1 85% 16	+3.4 91% 22	-0.02 84% 25	+5 87% 96	+0.86 87% 53	+1.24 87% 94	+1.04 81% 53	\$197 57	\$331 64	
CWDM5 SMPG357 CWDJ15	WEATHERLY MOXY M5 SV HBR	-0.35 43% 1	+3.6 79% 38	+7.6 69% 8	-4.7 93% 45	+4.0 95% 50	+56 94% 28	+98 93% 33	+131 94% 26	+113 92% 33	+28 89% 3	+2.6 89% 32	-5.6 60% 27	+89 85% 6	+7.2 83% 39	+2.3 84% 9	-0.6 84% 54	+0.6 79% 41	+2.4 84% 44	+0.19 72% 47	+20 91% 50	+0.98 91% 76	+1.06 91% 70	+0.94 82% 23	\$232 19	\$399 14	
Breed Average EBVs		-0.05	+1.7	+2.7	-4.4	+4.0	+51	+92	+119	+102	+17	+2.2	-4.6	+67	+6.4	-0.1	-0.3	+0.5	+2.3	+0.22	+21	+0.84	+0.97	+1.02	+200	+345	

For further information, please contact staff at Angus Australia:
P: 02 6773 4600 | E office@angusaustralia.com.au

www.angusaustralia.com.au



ANGUS
AUSTRALIA