



Shear Force

RESEARCH BREEDING VALUES

DECEMBER 2023

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: November 29, 2023

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
NXOL172 NXOF43 NXOJ432	AJC L172^{SV} APR	-0.07 35% 41	+6.1 75% 17	+8.3 60% 5	-6.8 94% 19	+3.3 96% 33	+61 94% 10	+102 94% 17	+142 94% 9	+134 87% 9	+12 87% 86	+2.4 83% 37	-5.0 54% 40	+73 91% 29	+6.7 88% 43	-0.3 83% 55	+0.4 89% 36	+0.2 81% 67	+1.1 91% 76	-1.01 83% 1	+21 85% 44	+1.42 85% 99	+1.28 81% 96	+1.26 81% 97	\$221 26	\$409 8
NXOL99 USA16073564 NXOJ112	AJC L99^{PV} APR	+0.08 40% 88	+5.3 84% 23	+1.5 74% 64	-5.8 96% 32	+4.7 97% 65	+62 96% 8	+109 96% 8	+143 96% 8	+113 92% 29	+23 92% 13	+3.2 91% 15	-7.2 60% 7	+97 93% 2	+8.9 91% 21	-1.9 90% 86	+0.8 91% 30	+0.4 80% 55	+2.4 92% 41	-0.35 86% 6	+13 89% 76	+1.24 91% 98	+1.12 91% 81	+0.96 87% 26	\$273 2	\$450 2
ARRR11 CAN2043806 QMUN24	ALKIRA RENEGADE R11^{PV} HBR	+0.26 37% 99	+7.6 64% 9	+6.9 52% 13	-4.9 82% 46	+2.5 83% 19	+48 83% 58	+101 81% 19	+132 81% 19	+113 77% 29	+23 72% 12	+2.3 78% 40	-6.9 39% 9	+67 69% 46	+9.9 68% 14	+0.6 68% 34	-0.6 69% 55	+0.6 60% 43	+1.7 73% 61	-0.02 59% 26	+2 75% 98	+0.74 66% 28	+0.70 66% 4	+0.90 57% 13	\$230 18	\$413 7
DGJG10 VTMB1 DGJZ15	ALLOURA GET CRACKING G10^{SV} HBR	-0.05 48% 49	+8.2 93% 6	+7.6 82% 9	-3.3 99% 72	+2.5 98% 19	+43 98% 80	+74 98% 89	+87 98% 95	+80 97% 79	+13 97% 80	-0.4 97% 99	-8.5 75% 2	+48 95% 92	+14.6 94% 2	+1.8 94% 14	+0.6 94% 33	+1.0 90% 21	+5.2 93% 3	+0.44 88% 76	+6 97% 94	+0.52 96% 4	+1.02 96% 61	+0.94 93% 21	\$277 1	\$434 3
DGJL94 USA15832750 DGJH24	ALLOURA LOCK STOCK & HBR	-0.10 41% 31	+5.4 77% 22	+4.3 64% 36	-4.3 93% 56	+2.8 95% 24	+55 93% 26	+93 93% 40	+124 94% 34	+123 89% 18	+13 84% 7	+1.1 87% 83	-4.6 52% 50	+65 88% 55	+0.9 84% 15	+1.7 80% 70	-1.5 85% 15	+0.2 76% 67	+2.1 87% 49	-0.38 77% 6	+25 92% 28	+0.92 84% 65	+0.88 82% 27	+0.94 76% 21	\$191 59	\$357 38
DGJQ30 WWEL3 DGJK117	ALLOURA QUINELLA Q30^{SV} HBR	-0.09 42% 34	+2.3 71% 49	+2.5 64% 54	-0.1 93% 97	+3.1 92% 29	+53 90% 33	+99 86% 25	+119 86% 45	+123 83% 17	+16 77% 54	+3.2 81% 15	-8.1 52% 3	+73 78% 30	+13.8 74% 2	+0.7 74% 32	+0.8 75% 30	+1.1 68% 17	+4.1 78% 10	+0.49 69% 80	+14 88% 74	+1.02 70% 82	+1.12 70% 81	+1.14 69% 81	\$270 2	\$453 1
CGKR232 NORN542 CGKM152	ALPINE RONALDO R232^{PV} HBR	-0.13 42% 22	+7.3 66% 10	+5.9 58% 20	-6.0 90% 29	+1.4 88% 7	+52 84% 38	+95 83% 34	+132 83% 19	+112 80% 30	+24 75% 7	+3.4 80% 11	-5.6 46% 27	+76 73% 23	+11.3 71% 8	-3.3 71% 97	-3.9 72% 94	+0.9 64% 25	+3.2 75% 23	+0.46 64% 77	+23 78% 36	+0.70 71% 21	+0.74 71% 7	+1.02 69% 46	\$230 18	\$402 10
WJMF96 WJMB59 WJMD25	ARDCAIRNIE F96^{SV} HBR	-0.18 73% 12	+4.7 89% 28	+0.1 77% 75	-4.8 98% 48	+3.2 98% 31	+49 97% 54	+88 97% 55	+122 95% 38	+91 95% 64	+14 95% 69	+1.8 96% 60	-3.4 64% 77	+67 92% 48	+6.8 91% 42	-1.6 91% 82	-1.8 91% 75	+1.2 86% 13	+1.0 92% 79	-0.12 81% 18	+24 89% 32	+0.50 87% 3	+0.84 87% 20	+0.92 82% 16	\$194 55	\$328 61
WJMJ27 USA15354674 WJMG96	ARDCAIRNIE J27^{SV} HBR	-0.11 39% 28	+6.9 82% 12	+8.9 72% 3	-7.9 96% 10	+3.0 97% 27	+56 96% 23	+96 96% 31	+132 96% 20	+130 92% 12	+9 91% 95	+0.4 93% 60	-4.2 65% 2	+95 93% 2	+2.3 91% 89	+2.4 91% 8	+1.1 92% 25	-0.1 88% 82	+0.9 93% 93	+0.20 86% 50	+1 86% 98	+0.90 87% 61	+1.10 87% 78	+1.16 82% 85	\$191 59	\$372 27
WJMM117 WJMF96 WJMG78	ARDCAIRNIE M117^{SV} HBR	-0.07 50% 41	+4.8 76% 27	-0.9 64% 82	-6.3 93% 25	+3.7 96% 42	+56 94% 21	+100 94% 21	+131 88% 22	+135 84% 9	+4 90% 99	+3.0 57% 19	-3.6 86% 73	+78 86% 19	+10.8 85% 10	-0.7 84% 64	-2.1 85% 79	+1.5 77% 6	+0.3 86% 91	-0.05 76% 23	+12 82% 81	+0.88 81% 57	+1.00 81% 56	+0.92 76% 16	\$192 57	\$363 33
NAQA241 USA2928 NAQW38	ARDROSSAN EQUATOR A241^{PV} HBR	+0.02 82% 74	-2.1 99% 80	+2.6 98% 53	-4.8 99% 48	+4.1 99% 51	+49 99% 52	+91 99% 46	+122 99% 38	+107 99% 37	+21 99% 23	+3.2 99% 15	-8.0 95% 3	+87 98% 6	+8.9 98% 21	-1.9 98% 86	-0.4 98% 51	+1.4 98% 8	+1.3 98% 72	+0.62 96% 88	+25 99% 29	+0.46 99% 2	+0.84 99% 20	+0.98 99% 32	\$223 24	\$376 24
NAQN329 NAQH318 NAQK30	ARDROSSAN HOLBROOK N329 HBR	-0.04 51% 53	-2.8 75% 83	-1.3 64% 84	-3.4 96% 71	+2.9 94% 25	+48 95% 58	+89 94% 53	+113 93% 57	+83 88% 76	+22 83% 14	+2.8 85% 24	-6.7 54% 11	+71 90% 36	+5.7 88% 56	+2.4 88% 8	+2.4 89% 11	-0.9 80% 98	+4.2 90% 9	+1.05 82% 99	+15 88% 70	+0.80 81% 40	+1.00 87% 56	+0.98 83% 32	\$210 37	\$338 53
NAQH255 NORE11 NAQD17	ARDROSSAN HONOUR H255^{PV} HBR	+0.10 60% 91	-1.6 96% 77	-1.5 88% 85	-3.1 99% 75	+4.6 99% 63	+43 98% 79	+75 98% 88	+98 98% 85	+96 98% 56	+13 98% 81	+2.2 98% 44	-6.0 84% 20	+61 96% 66	+5.9 96% 53	+0.9 96% 28	-0.9 96% 60	+0.6 95% 43	+2.3 96% 44	+1.03 92% 99	+8 97% 91	+0.44 97% 2	+1.02 97% 61	+1.24 95% 95	\$168 80	\$294 82
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

Page: 2

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
NAQQ67 NMMN334 NAQL96	ARDROSSAN NECTAR Q67 ^{PV} HBR	+0.08 43% 88	+3.5	+3.2	-10.5	+3.9	+57	+102	+132	+123	+14	+2.9	-6.1	+56	+7.0	+0.3	-0.2	+0.1	+2.8	-0.08	+43	+0.36	+0.84	+1.12	\$228	\$404
QQFH147 VTME343 NMMF123	ASCOT HALLMARK H147 ^{PV} HBR	-0.32 44% 2	-3.6	+2.8	-5.4	+7.2	+59	+109	+151	+132	+16	+3.6	-5.5	+81	-2.0	+0.8	+0.0	-0.8	+2.9	+0.30	+17	+0.44	+0.82	+1.04	\$190	\$353
HIOE7 VTMB219 BVVB32	AYRVALE BARTEL E7 ^{PV} HBR	-0.11 83% 28	+8.8	+9.8	-4.9	+1.8	+49	+86	+112	+73	+26	+2.5	-7.9	+67	+7.4	-0.5	+0.7	+1.3	+3.2	+0.32	+4	+1.02	+1.00	+1.12	\$284	\$440
HIOG11 SEWD138 HIOE2	AYRVALE GENETIC G11 ^{PV} HBR	+0.04 48% 80	-5.5	-12.8	-5.4	+5.2	+65	+117	+161	+139	+19	+1.6	-5.7	+84	+0.5	-3.8	-2.9	-0.1	+2.1	-0.23	+43	+1.10	+1.08	+1.10	\$194	\$344
NBBN47 HIOG18 NBBL83	BALD BLAIR NELSON N47 ^{PV} HBR	-0.11 42% 28	+3.0	-2.3	-5.2	+4.3	+54	+102	+150	+152	+15	+1.0	-4.7	+83	+3.9	-1.2	-0.6	+0.9	+0.8	-0.22	+29	+1.02	+1.14	+1.16	\$183	\$361
NBB21S86 NMMP15 NBBQ25	BALD BLAIR STIRLING S86 ^{PV} HBR	-0.03 39% 57	+8.7	+10.0	-4.2	+1.7	+63	+109	+145	+111	+21	+4.1	-4.4	+93	+6.0	-2.0	-2.8	+0.1	+3.8	-0.18	+6	+0.80	+0.72	+1.00	\$253	\$433
ECMK63 NZE14647008839 ECMH45	BANNABY REALITY K63 ^{PV} HBR	+0.14 41% 95	+3.6	+0.6	-3.2	+3.7	+44	+78	+101	+104	+13	+2.4	-0.6	+51	+5.3	-1.1	-1.4	+0.5	+1.3	-0.18	+28	+0.58	+1.04	+1.18	\$119	\$244
VONG272 VOND412 VONC368	BANQUET GARRETT G272 ^{SV} HBR	-0.11 36% 28	+1.9	+4.1	-1.7	+6.1	+54	+96	+140	+147	+20	+4.1	-2.0	+54	+1.1	-2.4	-3.8	+0.2	+2.9	-0.82	+24	+0.54	+1.04	+1.10	\$143	\$309
VONN462 VONJ507 VONK224	BANQUET NUTTELLA N462 ^{PV} HBR	-0.05 41% 49	-2.7	+3.5	-5.2	+6.5	+55	+101	+130	+99	+24	+3.2	-4.6	+68	+3.3	-0.2	-1.6	+0.2	+1.2	-0.33	+54	+0.56	+0.88	+0.96	\$187	\$321
NBNN239 USA16956101 NBNH215	BEN NEVIS NEWSFLASH N239 ^{PV} HBR	-0.21 39% 8	-2.4	+2.4	-4.9	+4.9	+58	+99	+133	+117	+20	+0.8	-3.9	+88	+4.6	-1.5	-0.7	+0.3	+1.8	+0.24	+11	+1.06	+1.06	+0.96	\$195	\$338
NBNP122 USA17960722 NBNM115	BEN NEVIS PRIME P122 ^{PV} HBR	+0.06 42% 84	+3.8	+6.2	-0.3	+2.6	+57	+89	+116	+81	+12	+3.2	-4.0	+62	+5.2	+0.8	+1.8	-0.5	+4.6	+0.48	+21	+0.66	+0.76	+0.98	\$239	\$378
NBNR138 USA17960722 NBNP153	BEN NEVIS RONAN R138 ^{PV} HBR	+0.11 38% 92	+3.9	+5.2	-8.2	+4.1	+73	+124	+153	+144	+11	+2.3	-3.2	+83	+9.3	-2.0	-2.5	+0.7	+0.8	-0.09	+17	+0.70	+0.88	+0.90	\$240	\$430
NGXQ227 VLYM518 NGXN221	BONGONGO BE QUICK Q227 ^{PV} HBR	-0.11 41% 28	+2.6	+1.1	-4.5	+3.3	+53	+96	+116	+66	+24	+3.9	-5.2	+59	+12.3	+1.0	+3.2	+0.1	+5.6	+0.41	+17	+0.60	+0.96	+1.04	\$280	\$414
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

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	
NGXP212 NORL508 NGXL13	BONGONGO P212 ^{SV} HBR	-0.08 39% 38	+5.9	+10.5	-7.1	+2.3	+46	+85	+99	+78	+23	+3.9	-7.7	+47	+2.0	+3.6	+4.0	-1.0	+4.2	+0.92	+13	+0.82	+0.88	+0.96	\$232	\$391	
NGXP421 USA18229425 NGXM413	BONGONGO P421 ^{SV} APR	-0.01 38% 64	+8.5	+5.4	-6.4	+2.0	+60	+100	+128	+94	+24	+2.6	-6.4	+75	+8.8	+2.9	+1.6	+0.0	+3.6	+0.71	+13	+1.08	+1.04	+1.12	\$275	\$442	
NUIF32 NGMC196 NUID96	BONNY BROOKE FALCO F32 ^{SV} HBR	+0.09 46% 90	-4.8	-10.6	-0.3	+6.5	+49	+76	+100	+95	+17	-1.0	-2.4	+61	-2.3	+2.6	+2.4	-0.9	+1.5	-0.34	+20	+1.06	+0.96	+1.12	\$109	\$199	
HCAG013 VTMA217 VTMZ618	BOONAROO GRAVITY G013 ^{PV} HBR	-0.01 54% 64	+4.2	+2.9	-5.8	+3.7	+51	+87	+114	+104	+23	+3.8	-6.2	+57	+4.2	-2.9	-3.3	+1.3	+3.2	-0.71	+23	+0.48	+0.92	+1.08	\$220	\$373	
HCAN20 VTMK338 HCAL54	BOONAROO KASBAH N20 ^{SV} HBR	-0.13 38% 22	+5.6	+2.9	-5.6	+5.4	+47	+88	+115	+108	+18	+3.1	-5.0	+56	+6.3	-0.2	-1.4	+1.0	+1.5	+0.67	+15	+0.92	+0.96	+1.02	\$189	\$345	
NGMN418 WWEL3 NGML471	BOOROOMOOKA JACKPOT N418 HBR	-0.08 41% 38	+2.0	+7.3	-9.0	+5.4	+62	+108	+135	+128	+8	+3.4	-6.9	+80	+9.9	-0.6	+0.4	+1.0	+2.4	+0.31	+29	+1.32	+1.06	+0.98	\$269	\$457	
NGMN213 NGML201 NGML45	BOOROOMOOKA NORMANDY HBR	-0.12 42% 25	+11.1	+10.5	-7.8	+1.3	+40	+72	+102	+76	+25	+3.2	-9.5	+53	+4.0	-2.3	-2.6	+0.7	+3.3	+0.95	+31	+0.80	+0.68	+1.04	\$229	\$386	
NGMP96 WWEL3 NGMM566	BOOROOMOOKA PARAGON P96 HBR	-0.07 42% 41	-3.9	+3.0	-7.8	+3.8	+62	+119	+162	+123	+28	+3.5	-8.8	+113	+11.5	-2.2	-0.7	+1.2	+2.9	+0.97	+34	+0.84	+1.00	+1.14	\$297	\$474	
NGMP22 NGMK9 NGMK640	BOOROOMOOKA PRESIDENT HBR	-0.15 44% 18	-1.5	+2.7	-6.5	+4.9	+58	+107	+142	+123	+22	+2.6	-6.9	+80	+6.7	+0.6	+0.5	+0.3	+2.8	+0.49	+19	+0.40	+0.64	+0.76	\$242	\$410	
NGMQ5 NORL519 NGMK720	BOOROOMOOKA QUALITY Q5 ^{SV} HBR	-0.12 45% 25	+3.5	+7.3	-6.9	+3.7	+55	+104	+144	+139	+20	+2.4	-4.9	+82	-2.4	+0.8	+2.0	-1.7	+5.6	+0.51	+36	+0.74	+0.92	+1.04	\$203	\$389	
NGMR49 USA17960722 NGMP361	BOOROOMOOKA RAUDONIKIS HBR	-0.02 37% 60	+3.7	+6.2	-5.6	+3.9	+63	+105	+129	+98	+19	+3.7	-2.2	+72	+11.5	-0.2	-1.7	+1.3	+0.8	+0.16	+34	+0.90	+0.86	+0.90	\$233	\$382	
BOWK2 VTME343 NAQZ31	BOWMAN AUSTRALIA K2 ^{PV} HBR	-0.15 45% 18	+7.1	+3.4	-6.9	+3.3	+48	+96	+119	+93	+22	+4.9	-8.2	+68	+7.2	+0.2	-1.4	+0.9	+1.1	-0.63	+13	+0.84	+1.02	+0.90	\$229	\$397	
SRKK306 NJWG279 TFAD58	BOWMONT KING K306 ^{PV} HBR	-0.11 45% 28	-1.9	-9.6	-5.3	+4.5	+49	+79	+104	+85	+2	-0.3	-5.2	+67	+15.6	-0.4	-1.9	+1.7	+4.9	+0.40	+24	+0.50	+0.90	+0.74	\$244	\$357	
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337	

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

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
BONQ007 QMUM13 HIOL28	BRIDGEWATER QUANTUM Q007 HBR	-0.07 43% 41	-2.7 69% 83	-2.6 62% 90	-5.6 93% 35	+5.6 92% 81	+64 90% 4	+100 90% 21	+134 91% 17	+106 86% 39	+21 78% 19	+0.5 83% 94	-5.3 53% 34	+86 80% 7	+7.4 80% 35	-0.9 80% 69	-2.5 80% 84	+0.2 74% 67	+3.0 81% 27	+0.16 84% 46	+23 86% 34	+1.02 79% 82	+0.88 80% 27	+1.08 77% 65	\$229 19	\$364 32
AMQH64 VTME343 AMQF27	BROOKLANA HI TOWER H64 PV HBR	-0.23 43% 6	-5.7 79% 92	-3.0 70% 91	-0.5 94% 96	+5.1 92% 73	+53 91% 35	+102 91% 18	+143 91% 8	+128 86% 13	+16 81% 60	+2.0 83% 52	-2.6 63% 88	+85 88% 9	+4.8 88% 66	+2.2 87% 10	+1.6 88% 19	+0.4 81% 55	+1.2 90% 74	+0.53 83% 83	+28 85% 20	+0.62 84% 11	+0.94 84% 41	+1.04 79% 52	\$163 83	\$301 78
GTNM6 VTMF734 VSNF15	CHILTERN PARK MOE M6 PV HBR	-0.19 44% 10	+5.5 91% 22	+3.9 74% 40	-1.7 99% 89	+3.0 99% 27	+51 99% 44	+99 99% 23	+134 98% 17	+87 95% 71	+25 94% 5	+1.6 98% 68	-6.2 65% 17	+78 93% 20	+5.5 92% 58	+0.1 91% 46	+1.7 92% 18	+0.0 86% 78	+1.9 92% 55	+0.30 84% 62	+38 99% 4	+0.72 98% 24	+1.00 98% 56	+1.02 96% 46	\$242 10	\$395 13
GTNP9 HKFJ5 GTNK26	CHILTERN PARK PICASSO P9 PV HBR	+0.06 48% 84	+7.9 77% 7	+8.1 67% 6	-3.4 98% 71	+1.2 97% 6	+56 94% 21	+105 95% 12	+136 94% 15	+94 88% 59	+24 81% 8	+3.6 91% 9	-7.6 60% 5	+95 87% 2	+7.0 85% 40	-0.6 85% 62	+1.1 86% 25	-0.4 79% 91	+4.2 88% 9	+0.63 76% 89	+29 86% 17	+0.74 88% 28	+0.66 89% 3	+0.88 81% 9	\$279 1	\$458 1
GTNQ322 USA18636106 GTNL198	CHILTERN PARK QUADRANT HBR	+0.10 40% 91	+6.4 76% 15	+4.7 61% 31	-3.0 97% 76	+3.0 96% 27	+61 91% 9	+114 91% 4	+143 89% 8	+101 84% 48	+18 77% 37	+4.3 81% 3	-5.1 46% 38	+90 78% 4	+12.4 71% 5	-0.8 72% 67	-1.6 73% 72	+0.4 65% 55	+4.1 75% 10	+0.88 65% 97	+4 86% 96	+1.18 69% 96	+1.06 69% 70	+1.00 65% 39	\$280 1	\$454 1
QMUM13 USA16295688 QMUG1	CLUNES CROSSING DUSTY M13 HBR	+0.18 40% 98	-0.3 85% 70	+3.9 80% 40	-7.4 99% 13	+5.4 99% 78	+65 98% 4	+101 98% 20	+119 98% 44	+62 97% 94	+15 96% 67	+0.9 98% 87	-6.7 73% 11	+72 95% 32	+13.2 94% 3	-2.4 94% 92	-3.5 94% 13	+1.2 90% 52	+2.0 94% 36	+0.08 87% 87	+10 98% 65	+0.92 97% 23	+0.86 97% 39	+1.00 95% 1	\$293 1	\$419 5
NBHL348 NZE14647008839 AHWJ81	CLUNIE RANGE LEGEND L348 PV HBR	+0.12 40% 94	-6.4 94% 93	+4.9 86% 29	-8.1 99% 8	+5.8 99% 84	+58 98% 17	+102 98% 17	+125 98% 31	+154 97% 3	+1 97% 99	+3.0 98% 19	-6.8 76% 10	+62 95% 62	+0.5 93% 96	+3.7 94% 3	+0.8 94% 30	-0.7 92% 96	+2.4 94% 41	+0.05 86% 33	+27 97% 22	+0.48 97% 2	+0.80 97% 14	+1.26 96% 97	\$166 81	\$343 49
NBHP392 USA17960722 NBHM516	CLUNIE RANGE PLANTATION HBR	+0.21 38% 99	+6.9 84% 12	+4.4 69% 34	-5.5 99% 36	+4.2 98% 53	+67 98% 3	+118 97% 2	+136 97% 14	+102 88% 46	+21 79% 19	+5.4 97% 1	-3.6 55% 73	+68 82% 45	+0.4 84% 96	-0.8 83% 67	-0.8 83% 58	-1.2 77% 99	+2.7 83% 33	+0.09 80% 37	+19 96% 53	+0.74 93% 28	+1.00 93% 56	+0.92 89% 16	\$219 27	\$387 17
WDCH249 USA14885809 WDCE9	COONAMBLE HECTOR H249 SV HBR	+0.02 51% 74	+0.7 95% 63	+0.3 86% 74	-8.7 99% 6	+4.4 99% 58	+44 98% 77	+78 98% 82	+99 98% 84	+92 97% 63	+6 98% 99	+1.2 98% 80	-4.6 76% 50	+45 96% 94	+9.5 94% 17	+3.6 95% 3	+4.0 95% 4	+0.7 93% 36	+0.1 95% 93	-0.51 88% 3	+39 98% 4	+0.42 96% 1	+0.50 96% 1	+0.82 93% 4	\$178 71	\$309 74
WDCJ266 BNAD145 WHHA61	COONAMBLE JUNIOR J266 PV HBR	-0.49 51% 1	-7.0 90% 94	-4.4 79% 94	-0.3 98% 96	+5.6 98% 81	+57 97% 19	+100 97% 21	+138 97% 12	+134 95% 9	+15 96% 62	+1.8 96% 60	-4.9 72% 43	+96 93% 2	+9.9 92% 14	+5.2 92% 99	-5.1 92% 98	+1.6 89% 5	+2.8 92% 31	-0.27 85% 9	+20 94% 47	+0.94 94% 69	+0.78 94% 11	+1.08 91% 65	\$197 52	\$339 52
WDCK314 NAQA241 WDCC94	COONAMBLE KEVIN K314 PV HBR	-0.02 55% 60	-1.3 85% 76	+3.5 74% 44	-2.7 95% 80	+4.6 97% 63	+50 97% 48	+100 95% 21	+131 96% 21	+110 92% 33	+24 94% 8	+4.3 93% 3	-7.0 67% 8	+83 91% 11	+7.5 90% 34	+0.4 90% 39	+1.1 90% 25	+0.1 86% 73	+1.5 91% 66	+0.60 82% 87	+42 85% 2	+0.48 85% 2	+1.10 85% 78	+1.22 82% 94	\$207 41	\$366 30
USA19611994 USA18467508 USA18974126	DB ICONIC G95 PV HBR	+0.13 37% 95	+3.0 75% 43	+7.5 62% 9	-3.4 96% 71	+3.0 95% 27	+67 92% 3	+127 90% 1	+157 88% 2	+145 86% 5	+17 83% 52	+2.9 85% 21	-3.5 47% 75	+94 84% 3	+8.9 82% 21	+1.2 78% 23	+0.0 75% 44	-0.5 73% 93	+4.3 84% 8	+0.25 64% 56	+38 85% 4	+1.18 94% 96	+1.00 94% 56	+0.94 67% 21	\$251 6	\$449 2
NJS21S15 USA18636106 QHEJ100	DEVANAH SATURN S15 PV HBR	-0.03 40% 57	+4.6 71% 29	+2.2 59% 57	-8.2 89% 8	+4.0 89% 49	+64 86% 5	+108 84% 9	+142 84% 9	+94 81% 60	+24 76% 8	+4.3 80% 3	-7.2 45% 7	+86 74% 7	+8.1 71% 28	-1.1 71% 73	-2.5 72% 84	+0.2 64% 67	+2.4 75% 41	+0.34 64% 66	+13 76% 78	+1.00 71% 79	+0.98 71% 51	+0.82 67% 4	\$269 2	\$431 3
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

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	
WKGQ202 WKGN129 WKGL21	DIAMOND ONE ALL IN Q202 ^{SV} HBR	-0.18 36% 12	-8.7	-6.8	-5.5	+7.9	+71	+120	+166	+154	+23	+2.7	-3.9	+101	+11.2	-5.9	-6.3	+2.0	-0.5	-0.74	+21	+0.90	+0.60	+0.86	\$192	\$343	
NGCN208 WWEL3 NGCG037	DULVERTON NEW APPROACH HBR	-0.27 39% 3	-1.6	+1.3	-6.2	+4.1	+51	+89	+115	+113	+13	+1.5	-5.0	+73	+11.4	-1.9	-1.4	+2.0	+1.0	+0.05	+24	+1.04	+1.14	+1.04	\$206	\$350	
BHRH744 BNAD145 BHRD202	DUNOON HIGHPOINT H744 ^{SV} HBR	-0.50 49% 1	-11.3	-14.1	-4.2	+6.9	+56	+97	+128	+134	+17	+2.7	-4.9	+87	+5.3	-1.6	-1.2	+1.4	+1.0	-0.52	+21	+0.68	+0.82	+1.10	\$151	\$273	
CYIR18 QMUM13 CYIM611	EBONY BEEF BILLIE RAY R18 ^{PV} APR	+0.04 44% 80	+3.9	+8.2	-5.4	+4.6	+66	+106	+126	+66	+22	+2.6	-5.7	+81	+12.4	-1.5	-1.2	+0.9	+2.1	+0.13	-4	+1.06	+0.92	+1.14	\$301	\$443	
USA16198796 USA14686137 USA15452880	EF COMPLEMENT 8088 ^{PV} HBR	-0.11 43% 28	+4.8	+7.5	-5.1	+2.9	+52	+97	+130	+97	+22	+1.4	-7.7	+79	+8.1	+1.4	+1.4	+0.7	+1.8	+0.58	+20	+0.94	+1.28	+1.14	\$263	\$431	
WWEQ15 VTMG67 WWEN17	ESBLEMONT GARTH Q15 ^{PV} HBR	+0.07 46% 86	-3.5	+2.2	-8.8	+5.7	+63	+111	+151	+139	+29	+2.4	-6.5	+72	+6.5	-3.7	-3.5	+0.5	+3.6	-0.46	+45	+0.92	+1.14	+1.06	\$234	\$404	
WWEL3 HIOG18 WWEJ8	ESBLEMONT LOTTO L3 ^{PV} HBR	-0.25 45% 4	-6.2	-1.0	-5.8	+4.5	+60	+110	+140	+132	+18	+3.5	-9.2	+91	+14.3	+0.0	+1.1	+1.4	+3.5	+0.38	+16	+1.12	+1.02	+1.14	\$284	\$459	
WWEQ24 WWEN12 WWEN7	ESBLEMONT QUOKKA Q24 ^{PV} HBR	-0.22 44% 7	+4.9	-0.3	-4.2	+1.8	+41	+81	+98	+48	+22	+4.2	-6.4	+61	+17.6	+1.8	+1.0	+2.1	+2.9	+1.23	+28	+0.76	+0.88	+0.92	\$275	\$396	
WWE21S6 NGMN418 WWEN7	ESBLEMONT SEAN S6 ^{PV} HBR	-0.20 43% 9	+5.8	+7.9	-5.9	+2.9	+56	+98	+115	+88	+16	+4.4	-5.7	+81	+17.4	+2.8	+1.0	+1.4	+3.7	+1.16	+23	+1.04	+1.16	+1.02	\$294	\$458	
NFSM99 BHRH240 NFSH124	FARRER MAXWELL M99 ^{PV} HBR	-0.09 43% 34	-6.0	+1.4	-0.5	+7.7	+66	+114	+152	+146	+13	+4.0	-6.4	+90	+13.5	-3.0	-4.9	+2.0	+2.5	-0.19	+44	+0.76	+0.72	+0.86	\$251	\$424	
USA18217198 USA17354178 USA16934264	G A R ASHLAND ^{PV} HBR	+0.07 37% 86	+0.8	+1.1	-6.4	+3.3	+67	+115	+144	+117	+14	+1.4	-3.1	+81	+12.6	-3.1	-2.9	+1.1	+3.3	+0.09	+11	+1.28	+1.08	+0.84	\$263	\$422	
USA16295688 USA13009379 USA15129456	G A R PROPHET ^{SV} HBR	+0.08 38% 88	+2.9	+5.1	-1.0	+3.7	+67	+107	+133	+84	+23	+0.7	-4.5	+72	+3.3	-0.6	-1.5	-0.7	+4.7	+0.68	+26	+1.04	+0.82	+0.90	\$264	\$406	
USA17328461 USA16205036 USA16431932	G A R SURE FIRE ^{SV} HBR	+0.09 40% 90	+6.2	+2.9	-3.4	+2.2	+50	+91	+112	+81	+19	+4.1	-7.5	+65	+8.2	-0.5	-0.8	+0.9	+3.5	-0.09	+26	+1.16	+0.92	+0.60	\$261	\$415	
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337	

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

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
USA18690054 USA17965471 USA18054344	GB FIREBALL 672 ^{PV} HBR	+0.05 34% 82	+2.5	+6.8	-5.0	+2.6	+61	+98	+129	+120	+14	+2.7	-7.6	+78	+15.1	-2.5	-3.5	+0.9	+5.2	+0.49	+10	+1.02	+0.94	+0.86	\$284	\$464
QBGH221 BNAD145 QBGD80	GLENOCH HINMAN H221 ^{SV} HBR	-0.24 47% 5	+5.3	-1.6	-3.5	+3.0	+53	+92	+123	+114	+20	+0.9	-4.1	+84	+7.2	-1.6	-4.8	+0.7	+5.2	-0.41	+10	+0.88	+0.78	+1.04	\$216	\$367
QBGK112 NAQA241 QBGG72	GLENOCH KALLANGUR K112 ^{PV} HBR	-0.02 54% 60	-8.2	-3.0	-4.0	+6.6	+56	+98	+126	+104	+16	+1.6	-6.7	+92	+12.4	+1.0	+3.5	+0.5	+2.5	+0.39	+23	+0.72	+0.74	+0.70	\$236	\$367
EETN1 USA17031465 VSNL24	GVA NEWSWORTHY N1 ^{PV} HBR	+0.07 40% 86	+8.2	+4.7	-9.6	+1.7	+51	+89	+112	+90	+22	+2.4	-7.9	+70	+5.7	-0.2	-3.0	+0.4	+2.1	+0.31	+18	+1.06	+0.88	+0.90	\$226	\$385
DKKM41 NORH708 DKKJ51	HARDHAT H708 MAIMURU J51 APR	-0.03 45% 57	+0.3	+4.5	-2.2	+2.2	+44	+91	+119	+96	+13	+1.4	-4.3	+64	+2.6	+1.0	-2.0	-0.4	+6.4	+0.08	+21	+1.02	+0.98	+1.08	\$204	\$345
DKKQ110 NORK522 DKKM33	HARDHAT K522 KODAK M33 HBR	-0.10 46% 31	+3.9	+9.9	-7.3	+2.3	+46	+85	+115	+110	+16	+2.9	-7.0	+54	+8.2	-0.8	-2.8	+1.0	+3.4	+0.38	+9	+0.62	+0.64	+0.76	\$221	\$390
DKKN43 NORK522 NKLF143	HARDHAT K522 NEBRASKA HBR	+0.02 44% 74	+9.1	+8.5	-10.4	+1.7	+59	+100	+137	+132	+13	+5.2	-5.6	+76	+2.8	+0.3	+0.3	-0.4	+0.2	+0.17	+12	+0.76	+0.86	+0.90	\$186	\$379
NHZF1023 VTMB1 NHZB723	HAZELDEAN F1023 ^{SV} APR	-0.18 75% 12	+4.4	+1.4	-2.9	+3.2	+39	+75	+88	+70	+14	+3.6	-5.3	+49	+8.0	+2.6	-0.1	+0.1	+6.0	+1.25	+12	+0.48	+1.00	+1.04	\$213	\$341
NHZM586 NHZJ140 NHZH356	HAZELDEAN M586 ^{SV} APR	-0.21 45% 8	+6.6	+9.5	-8.7	+2.4	+49	+86	+115	+103	+18	+4.1	-11.5	+72	+5.6	+0.2	-0.3	+0.0	+5.4	+0.81	+34	+0.50	+0.92	+1.14	\$279	\$469
NHZP434 NHZJ140 NHZL527	HAZELDEAN P434 ^{SV} APR	+0.00 47% 67	+9.0	+6.2	-7.4	+2.0	+46	+87	+114	+96	+21	+3.0	-7.8	+75	+3.4	-0.5	-3.2	+1.0	+2.8	+0.68	+45	+0.58	+0.96	+1.02	\$225	\$389
NHZQ1229 NHZF1023 NHZJ823	HAZELDEAN Q1229 ^{PV} APR	-0.04 50% 53	+0.6	+5.1	-3.7	+3.8	+55	+101	+126	+81	+22	+4.6	-6.6	+77	+8.8	-1.1	-1.9	+0.4	+4.6	+0.59	+23	+0.78	+0.98	+0.90	\$266	\$412
NHZQ319 NHZM586 NHZL1175	HAZELDEAN Q319 ^{PV} APR	-0.10 43% 31	+4.6	+9.7	-9.4	+2.6	+55	+105	+138	+134	+18	+3.2	-11.5	+83	+5.6	+2.0	+0.3	-0.6	+4.9	+0.12	+22	+0.90	+1.12	+1.08	\$279	\$494
NHZR1561 NORL519 NHZJ115	HAZELDEAN RONALDO R1561 ^{PV} HBR	-0.05 39% 49	-6.1	+3.4	-6.1	+5.6	+65	+107	+140	+139	+9	+0.6	-4.1	+74	+5.7	-1.1	-1.2	+0.1	+3.4	+0.45	+27	+0.64	+0.72	+0.96	\$209	\$365
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

Page: 7

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
DYFN6 NZE14647008839 DYFL18	INGLEBRAE FARMS NOBLEMAN HBR	+0.10 38% 91	+8.9	+10.7	-7.8	+2.0	+57	+90	+110	+95	+13	+3.4	-2.0	+65	+10.3	+1.1	+1.2	+0.2	+2.1	-0.29	+25	+0.86	+1.10	+1.16	\$210	\$366
NZE13300018 WWEL3 NZE13300116373	KAKAHU PIVOTAL 18004 PV HBR	-0.17 42% 14	+3.0	+1.4	-7.8	+4.0	+54	+102	+119	+63	+28	+3.7	-7.8	+80	+9.3	+0.5	+0.5	+0.6	+3.9	+0.56	-1	+0.74	+1.00	+1.10	\$294	\$434
GXNQ209 USA18463791 VLYL1327	KELLY ANGUS QUINN Q209 SV HBR	+0.03 38% 77	+7.5	+9.9	-7.5	+2.0	+64	+113	+141	+117	+27	+0.6	-8.5	+86	+6.8	-1.5	-3.3	+0.6	+2.1	-0.06	+24	+1.28	+1.28	+1.18	\$284	\$479
NDIP481 USA17354145 NDIL236	KENNY'S CREEK PINNACLE P481 HBR	+0.07 40% 86	+2.1	-0.9	-4.6	+3.2	+49	+86	+115	+68	+21	+0.0	-2.2	+65	+4.7	+1.3	+0.8	-1.3	+5.6	+1.14	+19	+0.88	+0.94	+0.84	\$198	\$306
KILK18 USA16417285 USA15107929	KILLAIN ALASKA K18 PV HBR	+0.18 41% 98	-6.4	-4.0	-0.6	+6.8	+66	+120	+165	+173	+14	+4.0	-1.9	+86	+6.5	-2.7	-4.6	+1.0	-1.3	-0.59	+39	+1.14	+0.86	+0.98	\$129	\$296
KILP1 USA18578965 KILM9	KILLAIN RAINMAN P1 PV HBR	-0.08 40% 38	-2.2	-4.9	-7.3	+4.2	+61	+107	+134	+124	+13	+3.1	-3.8	+74	+10.9	-2.1	-2.7	+1.9	-0.9	+0.38	+4	+0.90	+0.96	+1.08	\$195	\$343
BLAP130 SRKK306 BLAK113	KNOWLA PACKER P130 PV HBR	+0.00 40% 67	+2.4	+0.5	-3.3	+4.5	+54	+100	+131	+111	+11	+1.0	-6.6	+82	+9.4	+0.1	-0.2	+0.9	+2.9	+0.12	+26	+0.84	+1.24	+0.96	\$253	\$416
BLAP91 HIOG18 BLAL06	KNOWLA PEPPER P91 PV HBR	+0.01 45% 71	+4.8	+2.4	-6.2	+3.7	+60	+116	+143	+159	+9	+1.6	-8.5	+71	+7.9	+1.5	+0.6	+0.9	+2.8	+0.36	+0	+0.96	+1.06	+0.98	\$270	\$488
BLAR190 BLAN127 BLAP172	KNOWLA REVOLUTION R190 PV HBR	+0.10 40% 91	+9.8	+5.0	-10.7	+0.6	+39	+76	+101	+65	+24	+2.7	-4.0	+48	+14.5	+4.7	+3.6	+0.0	+5.0	+0.73	+46	+0.82	+1.04	+0.98	\$228	\$360
BLA21S48 USA18837398 BLAL21	KNOWLA SO RIGHT S48 PV HBR	+0.19 42% 98	+2.5	-1.5	-5.2	+3.9	+55	+99	+125	+104	+17	+3.6	-5.9	+84	+11.2	+1.4	+0.8	+0.3	+3.8	+0.31	+33	+0.84	+0.86	+0.80	\$246	\$402
NZCP117 USA17960722 NZCM67	KO B074 BEAST MODE P117 PV HBR	+0.08 38% 88	+2.7	+6.6	-6.0	+1.3	+59	+100	+123	+122	+10	+2.2	-4.6	+64	+1.1	+0.5	-0.5	-0.8	+3.7	+0.58	+13	+0.76	+0.62	+0.84	\$202	\$372
VLYR1549 USA18217198 VLYP251	LAWSONS ASHLAND R1549 SV HBR	+0.05 39% 82	-3.7	-5.1	-6.9	+3.6	+60	+104	+133	+112	+12	+0.3	-0.2	+78	+15.3	-2.1	-2.2	+1.1	+4.2	+0.54	+24	+1.14	+0.94	+0.78	\$215	\$339
VLYN131 USA16295688 VLYL710	LAWSONS CHARLIE N131 SV HBR	+0.20 39% 99	-4.0	-2.9	-4.4	+5.3	+71	+126	+158	+126	+21	+2.8	-4.4	+78	+5.8	-1.7	-2.0	+0.0	+1.3	+0.35	+32	+0.86	+0.76	+0.88	\$226	\$383
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

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
VLYL483 HKFJ5 VLYH221	LAWSONS LINKEDIN L483 ^{SV} HBR	-0.05 47% 49	+4.5 86% 30	-7.2 77% 98	-1.6 98% 90	+4.0 98% 49	+56 97% 21	+107 97% 10	+151 97% 4	+137 95% 8	+26 94% 5	+3.9 94% 67	-3.9 67% 1	+104 92% 19	+9.2 89% 19	-0.6 87% 62	+2.3 91% 12	+0.3 84% 62	+1.6 91% 63	-0.18 82% 14	+20 88% 46	+0.94 84% 69	+0.76 85% 9	+0.88 80% 9	\$200 48	\$370 28
VLYQ44 VLYM518 VLYK914	LAWSONS MIRACULOUS Q44 ^{PV} HBR	-0.07 40% 41	+4.4 76% 31	-2.2 63% 88	-7.7 97% 11	+3.7 96% 42	+49 93% 54	+90 93% 49	+112 91% 61	+104 86% 43	+9 77% 94	+3.1 89% 17	-3.4 52% 77	+49 80% 90	+21.3 80% 1	+0.8 80% 30	+0.1 80% 42	+2.0 74% 2	+2.4 81% 41	+1.00 68% 99	+34 84% 8	+0.96 71% 73	+0.92 71% 36	+0.94 68% 21	\$233 15	\$382 20
VLYM518 USA17354145 VLYH229	LAWSONS MOMENTOUS M518 HBR	+0.05 43% 82	-2.6 96% 82	-3.2 86% 92	-5.7 99% 33	+4.0 99% 49	+50 99% 50	+92 99% 43	+113 99% 59	+85 98% 73	+23 98% 12	+2.7 99% 27	-2.9 76% 85	+50 96% 88	+12.9 94% 4	-0.3 95% 55	+0.1 95% 42	+0.3 93% 62	+5.7 95% 2	+0.85 88% 96	+37 99% 5	+0.88 99% 57	+0.96 99% 46	+1.06 98% 59	\$220 27	\$337 54
VLYP316 USA16295688 VLYM527	LAWSONS PROPHET P316 ^{PV} HBR	+0.00 41% 67	+6.0 77% 18	+5.6 67% 23	-2.6 93% 81	+3.1 95% 29	+56 94% 24	+86 93% 62	+102 89% 80	+57 85% 96	+16 78% 56	+0.3 81% 96	-3.8 56% 69	+65 80% 53	+10.7 77% 10	-3.9 78% 99	-4.2 78% 96	+1.7 73% 4	+3.7 80% 15	+0.13 70% 42	+29 93% 16	+0.66 80% 15	+0.66 80% 3	+0.84 75% 5	\$270 2	\$390 16
VLYR4010 USA17354145 VLYP4005	LAWSONS ROCKY R4010 ^{PV} HBR	-0.13 41% 22	+6.0 79% 18	+4.8 66% 30	-5.0 98% 45	+2.7 98% 22	+53 97% 35	+93 96% 40	+120 90% 42	+93 86% 61	+23 79% 11	+2.4 91% 37	-4.2 54% 60	+68 81% 45	+11.4 81% 8	+2.2 81% 10	+1.6 81% 19	+0.0 76% 78	+5.1 82% 3	+1.39 70% 99	+26 97% 26	+0.92 74% 65	+1.08 72% 74	+1.06 76% 59	\$250 7	\$403 10
NMMK35 NZE469 NMMG41	MILLAH MURRAH KINGDOM K35 HBR	+0.04 46% 80	-12.1 96% 99	-7.8 88% 99	-2.4 99% 83	+8.8 99% 99	+54 98% 30	+99 98% 25	+137 98% 13	+149 98% 4	+11 98% 87	+0.8 98% 89	-5.1 80% 38	+62 96% 61	+8.0 95% 29	+0.1 95% 46	+0.2 95% 40	+1.2 93% 13	-1.1 95% 99	-0.75 89% 1	+26 98% 26	+0.82 96% 44	+1.28 96% 96	+1.18 94% 89	\$132 95	\$267 91
NMMK42 NGMT30 NMMH4	MILLAH MURRAH KLOONEY K42 HBR	+0.00 45% 67	+4.6 96% 29	+3.4 89% 45	-6.6 99% 21	+5.6 99% 81	+47 98% 63	+86 99% 62	+108 98% 70	+92 98% 63	+23 98% 10	+2.2 98% 44	-6.3 81% 16	+65 96% 54	+6.4 95% 47	-1.3 95% 77	-3.1 96% 89	+1.3 93% 11	+2.1 95% 49	+0.01 89% 29	+18 98% 59	+0.84 97% 49	+0.92 97% 36	+1.00 94% 39	\$213 34	\$358 37
NMML133 USA17091363 NMMH49	MILLAH MURRAH LOCH UP L133 HBR	-0.17 40% 14	+4.8 80% 27	+3.9 80% 40	-5.9 99% 30	+4.8 99% 67	+58 98% 16	+99 98% 24	+131 98% 21	+103 98% 45	+26 98% 4	+2.1 98% 48	-1.6 80% 95	+80 96% 15	+1.7 95% 92	-2.0 95% 87	-4.0 95% 95	-0.6 93% 95	+1.9 95% 55	-0.13 88% 17	+33 98% 10	+0.70 97% 21	+1.06 97% 70	+1.14 95% 81	\$162 83	\$301 78
NMMM308 NZE14647008839 NMMH331	MILLAH MURRAH MILESTONE HBR	+0.12 44% 94	+6.0 82% 18	+4.9 72% 29	-7.8 97% 10	+4.6 97% 63	+43 96% 78	+78 96% 82	+91 95% 92	+78 93% 81	+17 90% 50	+2.7 95% 25	-5.7 66% 25	+43 89% 96	+4.2 88% 73	+2.5 88% 8	+4.5 89% 2	-0.3 82% 89	+2.1 90% 49	+0.12 79% 41	+21 95% 45	+0.84 83% 49	+0.98 84% 51	+1.20 81% 91	\$196 53	\$336 55
NJWH194 WDCE11 VTMX64	MILWILLAH ELEVATOR H194 ^{SV} HBR	-0.09 42% 34	-7.6 78% 95	-7.6 69% 99	-1.4 93% 91	+8.3 93% 99	+50 91% 47	+101 92% 19	+136 92% 14	+161 88% 2	+18 84% 43	+1.9 86% 56	+0.6 63% 99	+56 88% 78	+4.5 87% 70	-2.4 87% 92	+0.8 88% 30	+0.9 82% 25	-1.1 89% 99	-0.29 81% 8	+43 85% 2	+0.20 87% 1	+0.42 87% 1	+0.86 80% 7	\$72 99	\$208 99
NJWH283 NJWF189 NJWE51	MILWILLAH ELSOM H283 ^{PV} HBR	-0.06 57% 45	+1.1 82% 60	-4.4 70% 94	-2.6 97% 81	+3.9 97% 46	+47 96% 62	+83 96% 70	+121 95% 39	+108 91% 36	+21 93% 20	+1.7 94% 64	-1.7 63% 95	+77 92% 21	+9.8 91% 15	-2.4 90% 92	-2.7 91% 86	+1.6 86% 5	+1.4 92% 69	+0.37 84% 69	+22 87% 41	+0.78 89% 36	+0.84 90% 20	+1.02 85% 46	\$159 85	\$282 86
BWFQ33 USA18181757 BWFN9	MOOGENILLA QUINELLA Q33 ^{PV} HBR	-0.18 39% 12	+1.2 80% 59	+10.2 64% 1	-6.4 99% 24	+3.9 98% 46	+58 98% 17	+116 98% 3	+144 91% 7	+79 87% 81	+26 79% 4	+2.7 96% 27	-2.6 51% 88	+99 81% 2	+11.5 85% 7	-1.2 83% 75	-0.5 84% 53	+0.1 78% 73	+4.5 84% 7	+0.63 70% 89	+31 95% 12	+0.88 88% 57	+0.94 88% 41	+0.90 83% 13	\$271 2	\$414 7
BWFQ33 USA18181757 BWFN9	MOOGENILLA QUINELLA Q33 ^{PV} HBR	-0.18 39% 12	+1.2 80% 59	+10.2 64% 1	-6.4 99% 24	+3.9 98% 46	+58 98% 17	+116 98% 3	+144 91% 7	+79 87% 81	+26 79% 4	+2.7 96% 27	-2.6 51% 88	+99 81% 2	+11.5 85% 7	-1.2 83% 75	-0.5 84% 53	+0.1 78% 73	+4.5 84% 7	+0.63 70% 89	+31 95% 12	+0.88 88% 57	+0.94 88% 41	+0.90 83% 13	\$271 2	\$414 7
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

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	
EGRM39 HIOG18 EGRD9	MOSQUITO CREEK MAXIMUS HBR	-0.10 42% 31	+3.5 77% 39	+3.6 67% 43	-6.6 91% 21	+5.1 95% 73	+60 92% 11	+107 93% 10	+137 92% 13	+132 87% 10	+17 81% 47	+1.9 91% 56	-8.5 56% 2	+75 82% 26	+7.2 82% 37	+0.5 82% 36	-0.2 82% 47	+0.6 77% 43	+2.3 83% 44	+0.04 75% 32	+15 82% 70	+0.86 76% 53	+0.88 77% 27	+1.04 72% 52	\$261 3	\$452 1	
EGRQ53 USA18463791 EGRG2	MOSQUITO CREEK QUALITY Q53 HBR	+0.00 38% 67	+8.8 73% 4	+9.8 57% 2	-7.1 91% 16	+0.2 92% 2	+58 90% 15	+105 88% 12	+138 87% 12	+114 83% 28	+28 75% 2	+1.8 83% 60	-5.2 46% 36	+82 77% 12	+1.6 75% 93	-0.5 76% 60	-1.9 76% 76	-0.2 70% 85	+1.6 77% 63	-0.01 62% 27	+30 84% 14	+1.04 69% 85	+1.16 69% 87	+1.04 63% 52	\$214 32	\$393 14	
CSWH211 VTME343 CSWE175	MURDEDUKE HUSSAR H211 PV HBR	-0.22 43% 7	+1.6 82% 56	+4.4 74% 34	-9.3 97% 4	+6.0 96% 87	+59 95% 13	+117 95% 3	+153 92% 3	+166 91% 1	+14 93% 5	+3.9 66% 34	-5.3 91% 12	+82 90% 91	+2.0 90% 87	-2.0 90% 99	-5.3 90% 31	+0.8 85% 98	-0.6 91% 1	-0.72 84% 11	+32 94% 5	+0.54 95% 20	+0.84 95% 52	+1.04 93% 52	\$159 85	\$358 37	
CSWK428 VTME343 CSWE175	MURDEDUKE KICKING K428 PV HBR	-0.21 42% 8	+7.7 85% 8	+8.5 75% 5	-8.1 98% 8	+1.9 98% 12	+48 97% 61	+94 97% 39	+117 97% 49	+90 94% 65	+24 93% 9	+3.5 97% 10	-5.3 68% 34	+68 92% 44	+2.3 92% 89	-0.2 89% 52	-2.5 92% 84	+0.4 86% 55	+0.7 92% 85	-0.02 86% 26	+42 97% 2	+0.90 97% 61	+1.02 97% 61	+1.20 95% 91	\$188 62	\$345 48	
CSWQ011 VLYM518 CSWN026	MURDEDUKE QUARTERBACK HBR	+0.08 43% 88	+6.2 87% 17	+0.7 74% 71	-10.0 99% 25	+2.9 99% 2	+53 98% 35	+99 98% 23	+132 98% 19	+117 89% 24	+21 80% 22	+4.1 98% 4	-5.0 57% 40	+75 83% 24	+6.8 87% 42	+2.4 85% 8	+3.1 85% 7	-1.0 79% 99	+4.9 85% 91	+0.68 78% 91	+25 98% 27	+0.76 97% 32	+1.02 97% 61	+1.04 95% 52	\$221 25	\$394 14	
NURM208 SMPG357 NURK45	MURRAY GENESIS M208 PV HBR	-0.12 43% 25	+1.2 79% 59	+5.6 69% 23	-6.3 93% 25	+4.7 94% 65	+50 93% 51	+95 92% 34	+128 93% 26	+107 88% 38	+21 86% 19	+3.8 85% 6	-6.4 63% 15	+83 89% 11	+16.7 88% 1	-0.3 85% 55	-2.8 88% 87	+2.2 83% 1	+0.8 89% 83	+1.38 82% 99	+5 88% 95	+0.96 90% 73	+1.06 90% 70	+0.66 87% 1	\$237 13	\$397 12	
NURN70 NORK522 NURJ53	MURRAY KODAK N70 PV HBR	-0.04 47% 53	+1.8 79% 54	+5.3 66% 26	-7.1 98% 16	+4.0 97% 49	+56 96% 21	+102 96% 18	+133 94% 18	+136 89% 8	+14 81% 72	+5.2 96% 1	-5.9 61% 22	+80 90% 15	+9.2 89% 19	-1.3 88% 77	-1.4 89% 69	+0.9 81% 25	+3.8 90% 13	-0.31 83% 8	+16 93% 67	+0.94 91% 69	+0.90 91% 32	+0.92 87% 16	\$234 15	\$419 5	
NURM204 USA16956101 NURJ43	MURRAY PROCEED M204 PV HBR	-0.39 43% 1	-7.3 80% 95	+6.9 69% 13	-4.4 96% 55	+4.4 96% 58	+61 94% 10	+107 94% 10	+140 94% 11	+129 89% 13	+19 84% 33	+2.3 90% 40	-3.7 62% 71	+90 91% 5	+13.6 90% 3	-5.0 87% 99	-5.9 90% 99	+0.9 85% 25	+6.6 91% 1	+0.09 84% 37	+24 93% 33	+0.96 89% 73	+0.78 90% 11	+0.90 86% 13	\$235 14	\$385 18	
NURP54 USA16350631 NURM13	MURRAY TWINHEARTS P54 PV HBR	+0.09 41% 90	-0.1 74% 69	+3.8 63% 41	-6.5 93% 22	+6.4 91% 91	+69 90% 2	+125 89% 1	+165 88% 1	+159 86% 2	+25 79% 5	+2.0 82% 52	-5.2 57% 36	+104 85% 1	+8.8 85% 22	-2.2 85% 90	-4.4 86% 96	+1.1 77% 17	+3.2 87% 23	+0.22 78% 53	+17 86% 61	+0.88 87% 57	+1.24 87% 94	+0.90 82% 13	\$257 5	\$452 1	
SFNL21 NZE10322010609 SFNH65	NAMPARA LIBERTY L21 SV HBR	+0.04 37% 80	-6.4 85% 93	-2.7 71% 90	-6.8 98% 19	+8.5 98% 99	+66 97% 3	+110 97% 7	+148 97% 5	+158 94% 2	+16 93% 53	+2.9 96% 21	-0.9 61% 98	+80 93% 15	+8.2 91% 27	-2.1 88% 89	-0.5 92% 53	+1.9 86% 2	-2.6 93% 99	-0.65 86% 2	+23 94% 36	+0.86 92% 53	+0.84 92% 20	+0.98 87% 32	\$142 92	\$292 82	
WLG P5 USA18229425 WLG M24	NARANDA PIMP P5 SV APR	-0.09 37% 34	+11.0 75% 1	+8.8 60% 4	-11.7 97% 1	+1.7 95% 10	+52 93% 40	+99 92% 24	+128 86% 25	+96 78% 55	+21 78% 19	+1.8 85% 60	-2.8 49% 86	+73 79% 29	+5.8 77% 54	+1.7 78% 15	+1.1 78% 25	-0.4 72% 91	+3.9 78% 12	+0.34 81% 66	+5 88% 95	+0.64 84% 13	+0.74 85% 7	+1.00 79% 39	\$222 25	\$381 21	
SKOJ6 VTME343 NZCE115	NEWLYN PARK EMPEROR J6 PV HBR	-0.01 44% 64	-8.8 78% 97	-5.1 69% 96	-7.8 93% 10	+7.5 92% 97	+66 90% 3	+112 90% 5	+146 91% 6	+155 87% 2	+10 82% 94	+1.5 84% 71	-4.5 63% 52	+82 87% 12	+8.0 86% 29	-1.3 85% 77	-1.2 86% 65	+1.3 80% 11	+0.2 88% 92	-0.68 79% 1	+19 84% 51	+1.08 85% 89	+0.78 85% 11	+0.78 80% 2	\$187 63	\$342 50	
NZE21095018 HIOE7 NZE21095112H49	NGAPUTAH I P206 SV HBR	-0.21 58% 8	+9.5 79% 3	+5.2 69% 26	-1.8 93% 88	+0.3 96% 3	+42 93% 84	+83 93% 70	+95 87% 88	+66 87% 91	+28 80% 2	+2.8 92% 24	-7.1 62% 8	+60 82% 68	+6.9 83% 41	+0.6 83% 34	-0.9 83% 60	+1.3 78% 11	+3.3 83% 21	+0.23 82% 54	+18 87% 59	+0.96 81% 73	+1.06 81% 70	+1.12 78% 77	\$246 8	\$388 17	
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+1.96	+337	

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

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% 49	-5.4 94% 91	-4.8 85% 95	-5.4 99% 38	+3.8 98% 44	+52 98% 38	+99 98% 25	+120 97% 43	+75 97% 85	+14 97% 75	+2.0 98% 52	-2.1 72% 93	+70 95% 38	+12.5 94% 4	-1.7 94% 83	+0.2 94% 40	+1.1 92% 17	+3.2 94% 23	+0.91 87% 97	+20 98% 47	+1.24 98% 98	+0.96 98% 46	+0.70 91% 1	\$222 25	\$325 63	
HKFE27 VTMA149 FAFC1	PARINGA IRON ORE E27 ^{PV} HBR	-0.17 81% 14	+7.5 71% 9	+1.2 65% 67	-7.3 97% 14	+2.1 96% 14	+36 95% 95	+67 95% 96	+90 94% 93	+95 91% 58	+12 92% 84	+1.8 92% 60	-7.1 65% 8	+67 91% 48	+6.7 90% 43	+1.6 90% 17	+2.4 91% 13	+1.2 83% 63	+1.6 91% 64	+0.32 84% 11	+32 89% 53	+0.86 84% 41	+0.94 84% 21	+0.94 79% 62	\$188 62	\$337 54	
SMPG357 VTMB1 SMPD245	PATHFINDER GENESIS G357 ^{PV} HBR	-0.13 44% 22	+0.5 96% 64	+4.0 88% 39	-7.6 99% 12	+6.6 99% 93	+61 99% 9	+108 99% 9	+146 99% 6	+137 98% 7	+26 98% 4	+4.4 98% 3	-6.3 84% 16	+94 97% 3	+13.8 95% 2	+0.7 96% 32	-1.0 96% 62	+1.5 95% 6	-0.1 95% 95	+0.66 90% 90	+28 98% 18	+0.84 97% 49	+1.04 98% 66	+0.78 96% 2	\$232 17	\$412 7	
SMPK22 SMPG357 SMPH756	PATHFINDER COMPLETE K22 ^{SV} HBR	-0.04 42% 53	+10.6 92% 1	+9.1 78% 3	-9.5 99% 3	+0.8 98% 4	+40 98% 89	+73 98% 90	+94 98% 89	+41 97% 99	+28 97% 2	+3.0 73% 19	-5.7 95% 25	+52 95% 86	+6.4 93% 47	+3.7 94% 3	+5.4 94% 1	+0.2 92% 67	+2.2 94% 46	+0.49 87% 80	+26 97% 25	+0.48 96% 2	+0.84 96% 20	+0.68 94% 1	\$235 14	\$357 38	
SMPM651 VTMG67 SMPH66	PATHFINDER MASTERPIECE HBR	+0.04 46% 80	+1.8 79% 54	+3.6 71% 43	-6.6 92% 21	+5.4 95% 78	+59 93% 14	+106 92% 11	+134 92% 16	+139 88% 7	+20 86% 28	+3.8 88% 6	-7.8 62% 4	+59 88% 71	+9.8 86% 15	-2.1 87% 89	-3.5 87% 92	+1.7 80% 4	+1.6 88% 63	-0.24 80% 11	+33 82% 9	+0.96 77% 73	+1.22 77% 93	+1.14 74% 81	\$243 10	\$432 3	
SMPM558 VTMG67 SMPH458	PATHFINDER MAXIMUS M558 ^{PV} HBR	-0.04 46% 53	-2.2 83% 80	+3.0 73% 49	-6.8 96% 19	+6.1 97% 88	+61 95% 9	+100 95% 22	+131 95% 22	+138 91% 7	+21 91% 20	+4.6 93% 2	-8.2 64% 2	+56 91% 78	+10.9 90% 9	-2.8 88% 95	-1.6 90% 72	+0.9 86% 25	+2.9 91% 29	-0.36 84% 6	+50 86% 1	+0.94 78% 69	+1.08 79% 74	+0.86 76% 7	\$240 11	\$419 5	
SMPN56 HIOG18 SMPL179	PATHFINDER NUCLEUS N56 ^{SV} HBR	-0.11 43% 28	+3.4 77% 40	+2.3 67% 56	-3.6 96% 68	+5.3 97% 77	+60 95% 11	+107 95% 10	+139 95% 11	+133 90% 10	+15 87% 65	+4.6 93% 2	-6.5 61% 13	+77 91% 20	+13.5 90% 3	+0.7 89% 32	+0.9 90% 28	+1.1 82% 17	+1.7 92% 61	+0.34 85% 66	+9 88% 87	+0.72 85% 24	+0.80 85% 14	+0.80 81% 3	\$255 5	\$443 2	
SMPP516 SMPM558 SMPJ282	PATHFINDER PHAT CAT P516 ^{SV} HBR	+0.02 43% 74	+5.8 74% 19	+3.8 61% 41	-8.2 96% 8	+4.5 96% 60	+52 93% 40	+91 93% 48	+116 93% 52	+84 86% 75	+27 78% 3	+5.1 88% 1	-9.0 52% 1	+53 81% 83	+11.0 80% 9	-3.1 80% 96	-1.5 81% 70	+0.7 75% 36	+4.6 82% 6	+0.11 78% 40	+40 88% 3	+0.80 84% 40	+1.14 84% 84	+0.98 78% 32	\$281 1	\$442 2	
SMPQ1357 NORL519 SMPM18	PATHFINDER QUEST Q1357 ^{PV} HBR	-0.22 40% 7	-2.8 76% 83	-0.8 65% 81	-6.8 94% 19	+5.3 95% 77	+63 93% 6	+116 90% 3	+162 88% 1	+175 84% 1	+18 78% 42	+2.0 85% 52	-5.2 54% 36	+83 79% 11	+4.8 75% 66	-1.3 76% 77	-2.7 76% 86	+0.7 70% 36	+3.7 78% 15	+0.44 67% 76	+31 88% 12	+0.86 69% 53	+0.78 70% 11	+0.96 69% 26	\$214 33	\$407 9	
WQCQ47 VLYM518 VLYM1690	QUANDEN SPRINGS HBR	-0.06 41% 45	+10.2 76% 2	+7.7 64% 8	-10.0 91% 2	-0.8 92% 1	+51 90% 43	+99 88% 25	+132 87% 19	+120 84% 20	+29 77% 2	+5.0 85% 1	-5.0 51% 40	+50 78% 89	+12.2 77% 5	+1.5 77% 18	+1.1 78% 25	+0.3 71% 62	+3.4 79% 19	+0.24 68% 55	+26 87% 26	+1.12 70% 92	+1.10 74% 78	+1.06 70% 59	\$229 18	\$415 6	
NORE11 NGMY145 VLYY5	RENNYLEA EDMUND E11 ^{PV} HBR	-0.02 82% 60	+8.8 99% 4	+1.4 97% 65	-7.2 99% 15	+1.2 99% 6	+34 99% 97	+64 99% 97	+85 99% 96	+53 99% 97	+17 99% 52	+1.9 99% 56	-6.9 94% 9	+52 98% 85	+4.5 98% 70	+3.3 98% 4	+1.6 98% 19	-0.1 98% 82	+3.9 98% 12	+0.76 95% 94	+23 99% 35	+0.56 99% 6	+1.02 99% 61	+1.12 99% 77	\$200 48	\$319 67	
NORG255 BNAD145 NORC490	RENNYLEA G255 ^{PV} APR	-0.50 49% 1	-12.0 81% 99	-4.8 79% 95	-3.3 98% 72	+4.6 98% 63	+50 98% 51	+94 98% 38	+127 98% 28	+124 98% 16	+21 98% 21	+0.7 97% 91	-3.3 82% 79	+87 96% 7	+7.3 95% 36	-0.4 95% 57	-3.3 96% 91	+0.8 93% 31	+4.8 95% 5	-0.03 90% 25	+9 97% 87	+1.16 95% 95	+0.90 95% 32	+0.84 93% 5	\$161 84	\$276 88	
NORH708 NORC511 NORE176	RENNYLEA H708 ^{PV} APR	-0.02 55% 60	-6.6 91% 94	+2.6 83% 53	+0.8 98% 99	+4.7 98% 65	+48 98% 57	+102 98% 17	+130 98% 23	+129 97% 12	+12 96% 82	+2.5 97% 33	-3.8 78% 69	+73 96% 29	+12.6 95% 4	-3.8 95% 99	-6.1 95% 99	+2.1 93% 1	+7.1 95% 1	+0.68 92% 91	+21 98% 43	+0.70 97% 21	+0.64 97% 2	+0.90 95% 13	\$231 17	\$380 21	
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337	

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

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
NORK163 NORH106 NORE176	RENNYLEA K163 ^{PV} APR	-0.20 49% 9	+4.1 89% 33	-8.2 78% 99	-4.1 98% 60	+2.5 98% 19	+40 98% 88	+74 98% 90	+95 97% 88	+62 96% 94	+10 96% 92	+0.8 95% 89	-4.5 75% 52	+62 94% 64	+18.5 94% 1	-0.2 94% 52	-0.9 94% 60	+2.5 91% 1	+2.8 94% 31	+0.17 88% 47	+18 91% 57	+0.68 90% 18	+0.68 90% 3	+1.02 87% 46	\$238 12	\$344 48
NORK835 NORG420 NORH514	RENNYLEA K835 ^{PV} APR	-0.24 46% 5	-3.9 83% 87	-4.3 70% 94	-2.4 98% 83	+6.3 95% 90	+48 96% 61	+87 95% 58	+112 95% 61	+92 91% 63	+12 88% 85	+3.1 90% 17	-4.9 62% 43	+56 90% 78	+10.0 89% 14	+0.9 88% 28	-1.0 89% 62	+0.4 86% 55	+4.2 90% 9	-0.21 81% 12	+11 91% 84	+0.60 89% 9	+1.10 88% 78	+1.12 86% 77	\$200 49	\$321 66
NORK522 NORE11 NORF810	RENNYLEA KODAK K522 ^{SV} HBR	+0.10 55% 91	+9.0 93% 4	+9.9 82% 2	-5.3 99% 40	+1.4 99% 7	+45 98% 72	+83 98% 70	+110 98% 65	+111 97% 32	+10 97% 93	+4.6 98% 2	-6.1 73% 19	+53 95% 83	+3.8 93% 78	+2.9 94% 5	+1.6 94% 19	-0.2 91% 85	+3.9 94% 12	+0.33 88% 65	+8 96% 91	+0.62 96% 11	+0.82 96% 16	+1.00 95% 39	\$204 44	\$382 20
NORL508 USA17366506 NORH414	RENNYLEA L508 ^{PV} HBR	-0.13 42% 22	+0.3 84% 66	+8.4 77% 5	-6.4 99% 24	+2.6 99% 20	+46 98% 67	+86 98% 62	+117 98% 49	+93 98% 62	+26 97% 5	+1.4 98% 74	-6.3 78% 16	+56 96% 77	+5.4 95% 59	+1.2 95% 23	-0.1 95% 45	-0.1 93% 82	+5.1 95% 3	+0.78 88% 94	+17 99% 62	+0.68 98% 18	+0.86 98% 23	+0.86 97% 7	\$225 22	\$370 28
NORM1078 NORH708 NORF563	RENNYLEA M1078 ^{SV} APR	-0.15 46% 18	-4.9 77% 90	-1.0 67% 82	-2.2 97% 85	+3.3 96% 33	+42 95% 84	+83 95% 70	+102 95% 79	+103 93% 45	+11 87% 88	+1.8 93% 60	-5.3 62% 34	+61 91% 66	+10.2 90% 13	-1.7 90% 83	-4.9 91% 98	+0.9 83% 25	+7.8 92% 1	+0.72 84% 92	+11 94% 84	+0.94 91% 69	+1.00 92% 56	+1.16 89% 85	\$208 39	\$338 53
NORP987 NORM763 NORM1184	RENNYLEA P987 ^{PV} APR	+0.11 42% 92	+9.8 72% 2	+9.6 63% 2	-8.5 97% 6	+1.2 97% 6	+49 94% 52	+98 94% 28	+124 94% 34	+126 88% 15	+14 80% 72	+0.5 92% 94	-2.6 54% 88	+76 82% 22	+5.6 83% 57	+4.8 83% 1	+3.4 83% 6	-1.2 77% 99	+7.1 83% 1	+0.93 80% 98	+8 93% 90	+0.88 90% 57	+0.92 90% 36	+1.04 85% 52	\$217 29	\$400 11
NORQ1081 NORH708 NORL841	RENNYLEA Q1081 ^{PV} APR	-0.01 44% 64	-1.4 76% 76	+5.1 65% 27	-4.3 92% 56	+3.6 93% 39	+50 91% 48	+88 88% 56	+112 88% 60	+99 85% 51	+11 79% 89	+3.4 87% 11	-5.8 56% 24	+46 80% 93	+10.6 78% 11	+0.2 79% 43	-0.7 79% 56	+0.8 74% 31	+6.4 81% 1	+0.78 71% 94	+13 88% 75	+0.84 76% 49	+0.92 79% 36	+0.84 73% 5	\$252 6	\$400 11
NORQ213 NORK907 NORL110	RENNYLEA Q213 ^{PV} APR	-0.06 40% 45	+9.1 78% 4	+7.1 66% 11	-7.6 97% 12	+1.2 97% 6	+68 95% 2	+122 95% 2	+154 95% 3	+109 89% 35	+25 80% 7	+0.8 94% 89	-10.7 54% 1	+101 82% 1	+9.4 82% 18	+0.3 82% 41	-0.1 82% 45	+0.1 77% 73	+3.8 83% 13	+0.71 79% 92	+24 93% 32	+0.56 92% 6	+0.72 92% 6	+0.80 88% 3	\$348 1	\$552 1
NORR992 NORN542 NORM1034	RENNYLEA R992 ^{PV} APR	-0.07 41% 41	+4.3 66% 31	+6.4 58% 16	+1.8 95% 99	+1.2 94% 6	+45 92% 74	+84 91% 67	+116 88% 53	+84 85% 74	+26 77% 4	+1.8 90% 60	-5.3 49% 34	+71 78% 36	+11.6 79% 7	+1.5 80% 18	+1.9 80% 16	+0.0 73% 78	+5.9 80% 1	+1.14 66% 99	+25 89% 29	+0.56 70% 6	+0.78 70% 11	+0.84 71% 5	\$250 7	\$397 12
TRHP52 TRHL9 TRHH92	RICHMOND HILL PLAY P52 ^{SV} HBR	-0.35 39% 1	+5.6 70% 21	+3.6 56% 43	-0.5 93% 96	+4.0 93% 49	+53 92% 33	+95 91% 34	+116 92% 51	+122 85% 18	+11 74% 90	+4.4 79% 3	-5.4 45% 31	+72 78% 32	+10.5 78% 11	-4.6 79% 99	-4.8 79% 98	+1.8 72% 3	+2.5 79% 38	-0.39 83% 5	+30 86% 15	+1.08 85% 89	+0.98 85% 51	+1.08 81% 65	\$220 27	\$393 14
USA16396573 USA0035 USA15688516	S A V CAMARO 9272 ^{SV} HBR	-0.41 70% 1	+4.2 86% 32	+1.1 72% 68	-7.1 97% 16	+3.6 97% 39	+48 96% 57	+78 95% 82	+98 96% 85	+94 92% 59	+9 94% 95	+1.4 91% 74	-6.3 62% 16	+43 93% 96	+0.8 91% 95	-0.4 91% 57	-2.4 91% 83	+0.9 84% 25	+1.6 93% 63	+1.07 84% 99	+19 86% 53	+1.14 86% 94	+0.84 86% 20	+0.82 78% 4	\$186 63	\$326 63
NZE21159019 USA18217198 NZE21159117053	SEVEN HILLS 312/19 ^{PV} HBR	+0.04 39% 80	+1.6 71% 56	+4.4 62% 34	-8.0 92% 9	+3.4 91% 35	+51 89% 42	+93 85% 40	+116 85% 52	+86 83% 71	+20 77% 26	-0.9 81% 99	-2.4 44% 90	+69 76% 41	+8.6 72% 24	-3.7 72% 98	-5.0 73% 98	+1.0 65% 21	+4.3 76% 8	+0.84 64% 96	+6 86% 94	+1.06 74% 87	+0.92 74% 36	+0.96 70% 26	\$219 28	\$344 48
APBK11 VTMB1 APBF2	SHACORRAHDALU KINETIC K11 HBR	+0.04 49% 80	+10.2 77% 2	+10.6 69% 1	-9.5 92% 3	+0.4 92% 3	+48 90% 60	+86 90% 62	+100 90% 82	+92 87% 62	+10 82% 93	+4.5 84% 2	-7.6 61% 5	+60 81% 69	+9.9 79% 14	+3.5 80% 3	+2.2 80% 13	+0.7 75% 36	+1.7 81% 61	+0.83 77% 96	+1 85% 99	+0.94 82% 69	+1.16 81% 87	+1.08 78% 65	\$241 11	\$417 6
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

Page: 12

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
APB21S24 USA18636106 APBJ23	SHACORRAHDALU PHOENIX HBR	+0.10 46% 91	+8.5	+6.4	-8.2	-0.6	+53	+100	+134	+85	+27	+2.8	-8.1	+92	+5.0	+2.5	+4.0	+0.0	+2.0	+0.85	+12	+0.90	+1.10	+1.04	\$274	\$444
APBR5 TFAK132 HBUP80	SHACORRAHDALU ROYALE R5 HBR	-0.13 42% 22	+7.4	+8.3	-6.8	+2.2	+49	+93	+116	+71	+23	+2.4	-6.3	+73	+9.8	+2.8	+3.6	+0.4	+3.4	+0.79	+12	+0.84	+1.08	+0.80	\$277	\$431
SYAN340 SYAL178 SGMK250	STONEY POINT NOLTE N340 SV HBR	+0.22 39% 99	-1.3	-4.9	-6.3	+6.3	+71	+128	+164	+160	+20	+3.5	-3.4	+109	+6.3	-3.4	-5.6	+0.9	+2.9	-0.16	+7	+0.92	+0.86	+1.20	\$220	\$400
NZE19507018 NORL508 NZE19507113J320	STORTH OAKS FULLY LOADED HBR	-0.10 45% 31	+8.2	+7.8	-11.7	+1.1	+44	+86	+132	+130	+19	+3.4	-6.0	+67	+4.0	+0.7	+1.2	-0.4	+3.9	+0.89	+30	+0.52	+0.80	+1.00	\$191	\$378
NZE19507013 VTME343 NZE19507111G183	STORTH OAKS JACK J7 SV HBR	-0.22 42% 7	+5.8	+8.2	-5.0	+4.5	+61	+112	+152	+145	+18	+3.4	-1.3	+82	+8.3	-0.1	-2.7	-0.3	+2.3	+0.03	+18	+1.00	+1.00	+0.92	\$182	\$367
VSNG34 VTMB1 VSNE22	STRATHEWEN BERKLEY G34 PV HBR	+0.22 48% 99	+6.1	+7.6	-6.8	+3.8	+56	+106	+141	+145	+17	+2.3	-7.5	+84	+5.7	+0.8	+0.1	+0.3	+1.5	-0.12	+30	+1.12	+1.26	+1.10	\$227	\$433
USA17236055 USA15354674 USA16214508	SYDGEN BLACK PEARL 2006 PV HBR	-0.05 38% 49	+2.8	+8.4	-7.4	+3.2	+51	+85	+123	+84	+21	+1.6	-3.0	+74	+8.6	+0.4	-0.3	+0.4	+2.4	+0.19	+15	+1.04	+1.18	+1.14	\$209	\$341
VTMA149 VTMX60 VTMU338	TE MANIA ADA A149 PV HBR	-0.03 58% 57	-6.5	-2.1	-3.6	+6.5	+53	+97	+129	+170	+10	+2.0	-2.0	+83	+3.1	-3.2	-1.8	+1.5	-0.7	-0.67	+26	+0.88	+0.76	+0.78	\$98	\$254
VTMK52 USA16295688 VTMH423	TE MANIA KALIBROOK K52 PV HBR	-0.02 39% 60	+7.8	+4.8	-3.3	+1.4	+52	+103	+127	+101	+30	+1.6	-5.7	+73	+2.4	+0.7	+1.8	-0.6	+5.4	+1.42	+8	+1.12	+1.08	+1.06	\$248	\$418
VTMK138 USA16295688 VTMH17	TE MANIA KIRBY K138 PV HBR	+0.00 37% 67	+0.4	+6.7	-1.6	+4.6	+51	+89	+118	+93	+18	+2.3	-9.2	+66	+4.7	+1.5	+3.3	-1.6	+8.0	+1.06	+12	+0.84	+0.78	+0.96	\$270	\$430
VTMN424 VTMJ89 VTMJ214	TE MANIA NEBO N424 PV HBR	-0.26 40% 4	+9.7	-0.5	-7.0	+4.0	+52	+99	+126	+105	+32	+4.5	-4.6	+54	+7.2	-0.8	-3.7	+0.4	+4.2	-0.11	+47	+0.72	+0.76	+1.04	\$210	\$365
VTMN1387 VTMK138 VTML452	TE MANIA NEON N1387 SV HBR	-0.20 40% 9	+0.2	+2.9	-6.4	+3.6	+48	+87	+108	+88	+20	+1.5	-7.9	+48	+0.8	-0.2	-1.3	-1.9	+9.2	+0.04	+27	+0.80	+0.78	+1.04	\$231	\$375
VTMP888 VTMK226 VTMH423	TE MANIA PESO P888 PV HBR	-0.20 41% 9	+8.4	+6.2	-5.5	+1.9	+55	+113	+142	+117	+26	+1.9	-6.5	+93	+3.0	-0.4	+1.2	+0.4	+1.8	+0.04	+26	+0.84	+1.08	+0.90	\$250	\$438
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

Page: 13

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	
VTMQ854 USA18229488 VTML1244	TE MANIA QUEBEC Q854 ^{SV} HBR	-0.05 37% 49	+8.6	+2.4	-2.9	+1.4	+52	+92	+124	+84	+25	+1.1	-3.4	+62	+4.8	+0.8	+2.1	-0.4	+4.2	+0.61	+30	+0.84	+0.90	+0.76	\$228	\$368	
VTMR970 VTMP149 VTMP287	TE MANIA RESOLUTION R970 ^{PV} HBR	-0.09 39% 34	+0.3	+4.5	-4.6	+3.4	+59	+108	+137	+102	+22	+2.2	-7.0	+80	+10.1	+0.1	-0.3	+0.9	+2.7	-0.02	+22	+0.70	+0.94	+1.14	\$276	\$439	
DXTR725 USA18962396 DXTM647	TEXAS ICEMAN R725 ^{PV} HBR	-0.20 38% 9	+1.9	+3.0	-4.6	+3.3	+53	+98	+122	+96	+12	+2.2	-3.7	+74	+12.6	+2.7	+3.1	+0.4	+2.2	+0.21	+36	+1.24	+1.02	+0.72	\$232	\$380	
DXTM100 USA15848590 DXTZ183	TEXAS MT KAPUTAR M100 ^{PV} HBR	-0.31 37% 2	+6.4	+6.8	-10.6	+4.5	+61	+106	+146	+139	+16	+3.6	-4.3	+85	+5.3	-2.9	-4.1	+0.4	+1.9	+0.15	+32	+1.00	+1.12	+1.00	\$203	\$390	
USA18704096 USA16933958 USA18048451	THOMAS EDISON 6764 ^{PV} HBR	+0.13 37% 95	-1.0	+8.1	-0.4	+4.0	+62	+102	+137	+134	+13	+0.6	-4.6	+84	+11.9	-5.5	-8.5	+1.7	+2.6	-0.17	+20	+0.84	+0.98	+0.90	\$221	\$387	
DBLL292 USA16295688 VSNF04	TOPBOS LEADING EDGE L292 ^{PV} HBR	+0.09 40% 90	+0.9	+7.7	-6.2	+6.7	+73	+125	+163	+149	+21	+1.4	-4.3	+83	+4.3	-2.4	-5.2	+0.3	+1.3	+0.00	+22	+0.94	+0.76	+0.78	\$226	\$413	
NZE17691009 NZE17691003Y167 NZE17691195Q263	TURIHAUA CRUMP E5 ^{SV} HBR	+0.06 40% 84	-0.8	-0.9	-6.3	+3.2	+28	+58	+82	+91	+15	+1.2	-9.9	+16	-0.5	+5.0	+3.4	-0.3	+1.4	+0.43	+33	+0.68	+1.22	+1.20	\$133	\$265	
USA18066037 USA17262835 USA16924432	V A R LEGEND 5019 ^{SV} HBR	+0.00 37% 67	-3.1	+5.3	-6.6	+5.2	+68	+122	+147	+160	+9	+2.8	-4.7	+87	+10.3	-4.0	-6.4	+1.4	+2.3	-0.28	+20	+1.04	+0.68	+0.88	\$224	\$413	
NZE18954020 NZE21159016327 NZE18954118P105	WAITANGI R257 ^{PV} HBR	-0.15 39% 18	+1.2	-1.0	-7.3	+3.6	+53	+92	+126	+103	+27	+3.3	-7.0	+67	+9.2	+0.0	-1.3	+0.0	+5.3	+1.27	+22	+0.82	+0.74	+0.92	\$241	\$392	
BSCF73 USA15688392 BSCZ66	WAITARA PIO FEDERAL F73 ^{SV} HBR	+0.15 77% 96	+4.8	+4.9	-4.7	+1.6	+56	+102	+133	+87	+25	+2.5	-2.9	+87	+5.4	-0.2	-0.2	+0.2	+1.5	+0.30	+12	+1.40	+1.26	+0.94	\$216	\$358	
BSCP90 GTNM6 BSCJ2	WAITARA PRINCETON P90 ^{PV} HBR	-0.06 40% 45	+0.3	+4.2	-2.6	+3.7	+48	+94	+122	+75	+24	+2.2	-3.8	+77	+7.5	+0.3	+0.7	-0.3	+2.9	+0.63	+34	+0.62	+0.78	+0.96	\$207	\$332	
LEJ21S102 NJWN498 ASHL24	WALLAWONG SAFE & SOUND HBR	+0.01 31% 71	+4.4	+3.6	-4.1	+4.2	+45	+81	+104	+110	+12	+2.1	-2.3	+51	+3.9	-0.5	-1.2	+0.4	+2.9	+0.39	+14	-	-	-	\$154	\$297	
QKBP29 SMPG357 QKBM01	WARRAWEE PATROL P29 ^{PV} HBR	+0.04 46% 80	+7.6	+11.5	-12.4	+2.6	+55	+104	+137	+125	+19	+2.3	-9.3	+102	+9.4	+3.6	+2.2	+0.3	+1.7	+0.71	+26	+0.80	+1.22	+1.02	\$270	\$478	
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337	

Angus Australia - Shear Force Research Breeding Values

Date: November 29, 2023

Page: 14

Ident	Name		Calv-Ease		Birth		Growth			Maternal			Fert		Carcase					Feed		Temp		Structural			Selection Index	
Sire	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		
NWPG188	WATTLETOP FRANKLIN G188 ^{SV}	+0.13	+4.8	+6.3	-4.7	+2.3	+63	+108	+140	+119	+25	+3.8	-3.4	+81	+1.4	-1.4	-1.9	-0.2	+0.5	-1.16	+32	+1.08	+0.96	+0.94	\$187	\$354		
USA15462648	HBR	40%	95%	86%	99%	99%	98%	98%	98%	97%	97%	98%	75%	96%	94%	95%	95%	92%	94%	88%	97%	96%	96%	94%				
NWPE295		95	27	17	50	16	6	9	11	21	6	6	77	13	93	79	76	85	88	1	11	89	46	21	62	40		
CWDJ17	WEATHERLY JAMES J17 ^{SV}	-0.24	-2.8	-3.8	-3.8	+6.0	+49	+83	+110	+115	+2	+1.5	-4.0	+66	+8.7	+1.5	+2.7	+1.0	+3.2	-0.04	+5	+0.84	+1.18	+1.00	\$198	\$333		
BNAD145	HBR	49%	79%	71%	93%	93%	92%	91%	92%	89%	86%	86%	66%	90%	89%	89%	90%	85%	91%	84%	87%	87%	86%	80%				
CWDF14		5	83	93	65	87	54	70	65	26	99	71	65	50	23	18	9	21	23	24	95	49	89	39	51	57		
CWDM5	WEATHERLY MOXY M5 ^{SV}	-0.35	+4.2	+7.4	-5.5	+3.9	+54	+96	+128	+105	+28	+2.4	-5.6	+88	+7.9	+2.7	-0.2	+0.7	+1.8	+0.14	+28	+0.96	+1.06	+1.00	\$231	\$393		
SMPG357	HBR	43%	77%	67%	91%	95%	93%	93%	93%	91%	86%	87%	59%	83%	81%	82%	82%	77%	82%	71%	88%	88%	88%	74%				
CWDJ15		1	32	10	36	46	29	32	26	40	2	37	27	6	30	6	47	36	58	43	20	73	70	39	17	14		
Breed Average EBVs		-0.05	+1.6	+2.5	-4.7	+4.0	+50	+90	+116	+100	+17	+2.1	-4.6	+66	+6.3	+0.0	-0.3	+0.5	+2.2	+0.20	+20	+0.84	+0.97	+1.03	+196	+337		

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