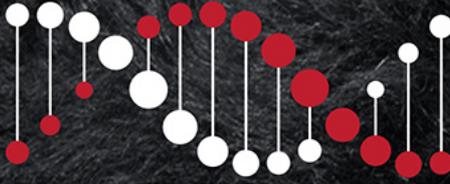


TACE 

TransTasman Angus Cattle Evaluation

MSA Marbling

RESEARCH BREEDING VALUES

MID MARCH 2026

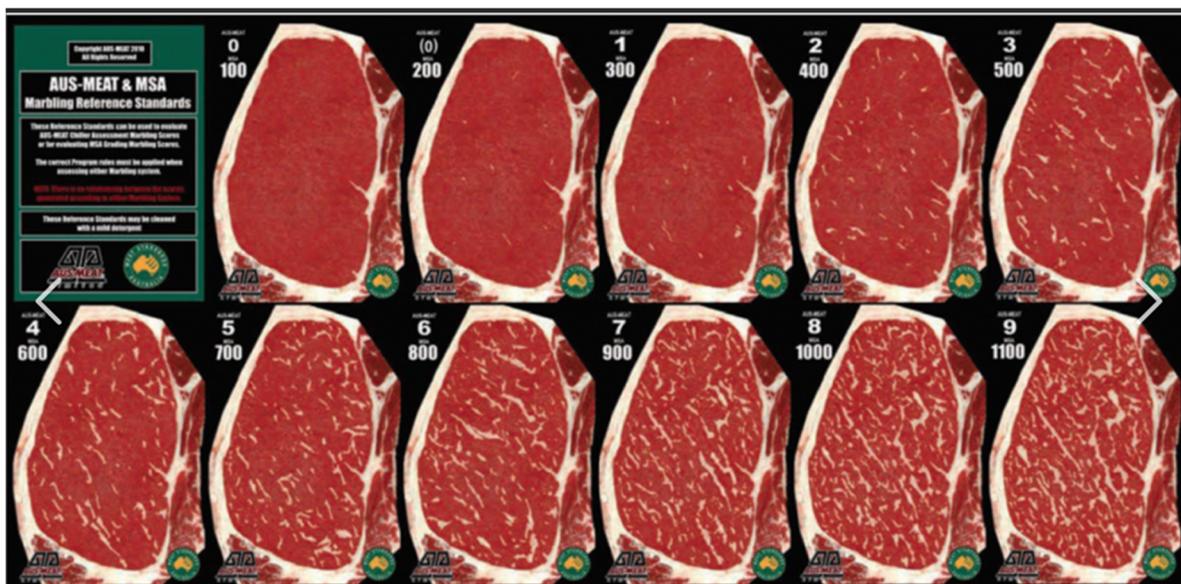
BACKGROUND

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 Meat Standards Australia (MSA) Marbling Score in Australian Angus Cattle.

MSA Marbling Score, being the subjective visual assessment of intramuscular fat at the chilled carcass grading site, has been identified as a trait of importance, particularly as it is related to Angus carcass value and consumer eating experience. It is also the commercially recognised method for describing marbling in the national grading system, MSA.

As a result of this collaborative research, MSA Marbling Score RBVs are now routinely analyzed every two weeks in the TransTasman Angus Cattle Evaluation (TACE). To underpin this analysis, MSA marbling scores are utilised from both member collected data and from progeny in the Angus Sire Benchmarking Program. Angus animals, mostly steers, that are MSA graded between 300 and 1000 days of age at slaughter are included in the analysis.

MSA Marbling scores are collected using the industry standard 100 – 1100 scoring system (with increments of 10 score unit). A score of 100 indicates no/minimal marbling and a score of 1100 indicates abundant marbling. Along with the amount of marbling, the scores also take into account distribution and size of fleck (i.e. coarse or fine marbling).



Study of the Angus Australia data by AGBU has demonstrated that a significant portion of the differences in the MSA marbling score of individual animals can be attributed to genetics, having a high **heritability of 0.54**. The study also estimated the genetic correlation between MSA marbling score and a wide range of production traits included in the multi-trait analysis model utilized in TACE (from the BREEDPLAN program). As expected, the genetic correlations with carcass IMF, bull ultrasound scan IMF and heifer ultrasound scan IMF had the strongest relationship of 0.80, 0.35 and 0.35 respectively.

From this collaborative research it is now possible to generate breeding values for MSA Marbling Score and select animals for use within Angus breeding programs with desirable genetics for this trait. This is underpinned by a large and growing reference population of MSA Marbling Scores ($n > 10,000$ as of May 2023), coupled with genomic and pedigree data.

UNDERSTANDING THE RESEARCH BREEDING VALUES

MSA Marbling Research Breeding Values (RBVs) are provided in this publication for sires with (i) at least 50% accuracy for their MSA Marbling RBV, and (ii) one or more progeny born in the last two years.

MSA Marbling Score (MMS) RBVs are estimates of genetic differences between animals in MSA marbling score at the 12/13th rib grading site in a 400 kg steer carcass.

MMS RBVs are calculated from MSA marbling scores (taken by a trained/accredited carcass grader), pedigree, genomics and correlated traits (e.g. Carcass IMF, bull and heifer ultrasound scan IMF). MMS EBVs are expressed in MSA marbling score units.

Higher, more positive MMS RBVs indicate the animal is expected to produce progeny with higher marbling scores in a 400 kg steer carcass.

USING THE RESEARCH BREEDING VALUES IN SELECTION

The Research Breeding Values in this publication enable Angus breeders to select animals with desirable genetics for MSA marbling score, 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) for the related R&D funding supplied to AGBU and Angus Australia for the ASBP. Also, for overseeing the MSA grading system, including the collection of MSA marbling scores in the ASBP, particularly through the grading by Janie Lau.

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 - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 1

Ident	Name																										
Sire Dam	Reg.	MSA MBL RBV	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	
QRB22T10 USA17328461 NBNH88	AISTHORPE LM TORNADO T10 HBR	+78 75% 51	+0.5	-2.8	-6.3	+5.1	+56	+100	+127	+111	+16	+3.8	-4.6	+74	+7.6	-0.7	-2.0	+0.9	+1.8	-0.31	+7	+0.82	+0.92	+0.72	\$205	\$352	
NXO21S957 NXOQ654 NXOP733	AJC S957 PV APR	+237 73% 1	+5.3	+9.6	-5.3	+3.3	+54	+97	+127	+74	+22	+2.4	-8.3	+69	+9.1	+2.2	+1.1	-0.9	+8.0	+0.25	+34	+0.90	+0.96	+0.74	\$309	\$470	
ARRR11 CAN2043806 QMUN24	ALKIRA RENEGADE R11 PV HBR	+1 89% 95	+7.3	+6.0	-4.2	+2.5	+47	+98	+126	+97	+23	+2.2	-8.7	+77	+6.0	+1.3	+0.5	+0.2	+1.3	+0.54	+0	+0.76	+0.82	+0.92	\$232	\$402	
SYM22T325 SYMR215 SYMQ230	ALLEDALE TRUE BLUE T325 PV HBR	+128 70% 20	+1.2	+5.0	-6.2	+3.3	+62	+108	+144	+114	+18	+2.2	-7.0	+85	+8.4	-1.6	+0.0	+0.0	+4.6	-0.49	+24	+0.82	+0.94	+0.84	\$278	\$450	
DGJG10 VTMB1 DGJZ15	ALLOURA GET CRACKING G10 SV HBR	+199 93% 3	+7.8	+7.3	-3.0	+2.7	+44	+74	+87	+86	+12	-0.4	-8.7	+49	+14.3	+1.3	+0.4	+0.9	+5.8	+0.41	+6	+0.48	+0.96	+0.92	\$274	\$430	
DGJQ30 WWEL3 DGJK117	ALLOURA QUINELLA Q30 SV HBR	+279 89% 1	+1.1	+0.5	+0.3	+3.0	+52	+96	+118	+122	+14	+3.3	-7.1	+66	+14.2	+0.1	+0.7	+0.8	+7.2	+0.38	+15	+0.90	+1.04	+1.16	\$276	\$450	
DGJ21S14 USA18217198 DGJQ02	ALLOURA SYNERGY S14 PV HBR	+83 76% 47	+4.8	+6.0	-7.7	+2.9	+60	+106	+138	+130	+15	+3.1	-6.5	+82	+7.3	+0.4	-1.5	+0.3	+3.2	+0.62	+23	+1.02	+1.12	+0.96	\$243	\$431	
CGKR232 NORN542 CGKM152	ALPINE RONALDO R232 PV HBR	+115 89% 27	+6.9	+6.8	-5.8	+1.9	+55	+101	+140	+113	+25	+2.9	-5.2	+77	+11.2	-3.3	-4.6	+0.7	+3.7	-0.14	+25	+0.60	+0.80	+1.04	\$236	\$406	
WJMM117 WJMF96 WJMG78	ARDCAIRNIE M117 SV HBR	+16 84% 90	+5.2	-0.4	-5.3	+3.9	+56	+99	+130	+146	+2	+3.3	-5.4	+76	+9.8	-1.0	-1.9	+1.5	+0.1	+0.02	+10	+0.82	+1.10	+0.88	\$192	\$377	
NAQA241 USA2928 NAQW38	ARDROSSAN EQUATOR A241 PV HBR	+44 98% 75	-1.2	+2.8	-4.4	+4.1	+49	+91	+121	+109	+20	+3.2	-8.5	+83	+7.7	-2.0	-0.6	+1.1	+1.8	+0.64	+24	+0.48	+0.86	+1.00	\$225	\$382	
NAQQ67 NMMN334 NAQL96	ARDROSSAN NECTAR Q67 PV HBR	+50 88% 71	+5.9	+6.9	-10.6	+3.4	+54	+98	+128	+129	+10	+2.9	-7.7	+52	+5.1	+1.7	-0.3	-0.2	+2.7	+0.16	+40	+0.34	+0.80	+1.04	\$219	\$409	
QQFH147 VTME343 NMMF123	ASCOT HALLMARK H147 PV HBR	+114 94% 27	-3.0	+1.9	-5.0	+7.0	+60	+109	+151	+139	+14	+3.7	-5.8	+79	-1.3	+0.7	-0.2	-0.9	+3.2	+0.29	+18	+0.48	+0.88	+1.02	\$193	\$362	
HIOE7 VTMB219 BVVB32	AYRVALE BARTEL E7 PV HBR	+133 98% 18	+8.4	+8.9	-4.4	+1.8	+50	+87	+113	+76	+25	+2.6	-9.8	+63	+7.8	-0.4	+0.7	+1.1	+3.7	+0.28	+4	+1.04	+1.02	+1.12	\$297	\$457	
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361	

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 2

Ident	Name																										
Sire Dam	Reg.	MSA MBL RBV	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	
NBB21S86 NMMP15 NBBQ25	BALD BLAIR STIRLING S86 ^{PV} HBR	+79 88% 50	+5.1 80% 31	+9.2 69% 3	-3.8 96% 64	+2.5 96% 23	+65 95% 7	+112 95% 10	+150 94% 7	+124 90% 20	+20 81% 33	+4.1 90% 6	-5.0 60% 49	+92 89% 5	+6.3 88% 56	-0.9 87% 71	-3.9 88% 94	-0.1 79% 74	+3.4 90% 30	-0.06 82% 20	+3 93% 97	+0.72 91% 26	+0.64 91% 2	+1.08 88% 68	\$238 24	\$421 11	
ECMM114 VTMB1 BBAZ107	BANNABY BERKLEY M114 ^{SV} HBR	+109 86% 30	+4.1 79% 40	+2.5 71% 63	-9.7 95% 3	+4.1 94% 57	+55 92% 35	+95 92% 48	+137 93% 20	+163 88% 2	+5 85% 99	+4.0 88% 6	-9.2 67% 2	+65 87% 64	+2.9 87% 89	-1.3 86% 78	-3.8 87% 94	+0.3 81% 52	+2.6 88% 48	-0.01 80% 24	+16 85% 71	+0.80 87% 42	+0.78 88% 11	+1.10 84% 73	\$194 72	\$401 22	
VONN462 VONJ507 VONK224	BANQUET NUTTELLA N462 ^{PV} HBR	+23 87% 87	-3.4 86% 90	+2.1 71% 67	-4.0 96% 61	+7.2 98% 97	+56 97% 33	+104 97% 24	+142 96% 13	+108 92% 42	+22 91% 21	+3.5 95% 13	-4.5 60% 61	+68 91% 54	+3.0 89% 88	-0.2 89% 55	-1.4 89% 70	+0.0 83% 69	+1.4 90% 77	-0.42 79% 4	+55 96% 1	+0.52 81% 4	+0.94 81% 43	+0.86 75% 11	\$185 79	\$325 78	
MBA22T17 USA19180956 HIOP51	BARNETT TITUS T17 ^{PV} HBR	+150 72% 11	+8.3 66% 8	+7.8 57% 10	-2.2 91% 84	+2.5 90% 23	+69 86% 3	+116 84% 6	+151 84% 6	+140 81% 8	+19 76% 40	+2.2 79% 50	-7.4 43% 9	+96 75% 3	+7.5 71% 41	+0.9 71% 30	+0.0 72% 47	-0.9 63% 96	+5.9 76% 3	+0.53 64% 79	+27 75% 25	+1.04 68% 86	+0.76 68% 9	+0.82 59% 7	\$286 2	\$493 1	
NBNN239 USA16956101 NBNH215	BEN NEVIS NEWSFLASH N239 ^{PV} HBR	+28 90% 85	+0.1 86% 74	+2.7 76% 61	-4.2 98% 57	+4.9 98% 73	+59 96% 19	+100 97% 34	+135 97% 22	+120 94% 24	+19 93% 40	+0.8 93% 91	-2.0 64% 96	+84 92% 14	+5.3 91% 68	-2.4 91% 92	+0.0 92% 47	+0.5 86% 39	+1.3 92% 92	+0.22 84% 48	+9 92% 89	+0.96 94% 75	+1.00 93% 58	+0.92 90% 21	\$188 77	\$332 74	
NBNP122 USA17960722 NBNM115	BEN NEVIS PRIME P122 ^{PV} HBR	+156 87% 10	+4.0 80% 41	+7.2 70% 14	+0.3 94% 98	+2.4 95% 22	+55 93% 37	+85 94% 76	+107 89% 80	+71 85% 90	+12 85% 88	+2.9 87% 25	-4.9 61% 51	+55 89% 86	+5.9 88% 60	+1.4 87% 21	+2.9 88% 9	-0.6 80% 91	+4.5 89% 13	+0.39 81% 67	+22 85% 45	+0.74 92% 30	+0.76 92% 9	+0.98 88% 37	\$244 20	\$378 39	
NBNR138 USA17960722 NBNP153	BEN NEVIS RONAN R138 ^{PV} HBR	+27 78% 85	+3.1 77% 50	+5.7 68% 27	-8.2 88% 8	+3.6 91% 45	+73 90% 1	+119 90% 4	+148 90% 8	+136 86% 10	+12 80% 88	+2.2 83% 50	-5.0 58% 49	+79 82% 23	+9.6 79% 21	-1.9 79% 87	-2.7 80% 86	+0.8 73% 24	+1.1 82% 83	-0.06 72% 20	+28 85% 23	+0.76 85% 34	+0.86 88% 24	+0.92 84% 21	\$257 11	\$442 5	
WMYF3 VLYC402 WMYD120	BLACKROCK F3 ^{SV} HBR	+16 88% 90	+4.7 80% 34	+5.1 70% 34	-9.0 95% 5	+2.8 95% 28	+50 94% 60	+87 93% 73	+118 93% 58	+84 90% 78	+15 89% 67	+1.0 91% 88	-2.5 63% 93	+83 89% 15	+7.2 88% 45	-0.3 88% 58	+0.1 89% 45	+0.2 81% 58	+1.8 90% 68	+0.44 81% 72	+25 90% 33	+1.00 87% 81	+1.14 87% 85	+1.10 83% 73	\$192 74	\$322 80	
NGXQ227 VLYM518 NGXN221	BONGONGO BE QUICK Q227 ^{PV} HBR	+189 90% 3	+5.0 74% 32	+2.7 67% 61	-3.7 98% 65	+2.8 98% 28	+52 95% 51	+93 96% 56	+116 96% 62	+70 91% 91	+23 82% 16	+3.8 92% 9	-3.5 66% 81	+66 91% 61	+11.4 91% 10	+0.9 90% 30	+2.7 91% 11	+0.1 83% 64	+5.7 92% 4	+1.03 84% 98	+18 91% 64	+0.64 88% 14	+1.12 88% 83	+1.14 85% 82	\$260 9	\$392 28	
NGXP212 NORL508 NGXL13	BONGONGO P212 ^{PV} HBR	+172 88% 6	+6.9 77% 16	+8.8 68% 5	-6.8 96% 19	+2.1 96% 17	+47 95% 76	+86 95% 74	+104 95% 85	+81 93% 82	+23 87% 14	+3.8 88% 9	-9.3 63% 2	+54 89% 87	+3.8 89% 82	+3.1 90% 5	+5.7 83% 98	-1.1 90% 8	+5.0 81% 95	+0.84 82% 95	+10 86% 88	+0.80 85% 42	+0.88 85% 29	+0.92 81% 21	\$258 10	\$423 11	
NGX22T1003 VLYR4010 BHRQ710	BONGONGO T1003 ^{PV} HBR	+186 75% 4	+7.4 71% 13	+9.1 64% 4	-9.2 93% 4	+0.4 90% 4	+50 86% 62	+96 85% 45	+124 85% 44	+73 84% 89	+21 79% 28	+2.7 82% 32	-7.6 49% 8	+79 77% 23	+9.5 75% 22	+3.3 75% 4	+3.6 76% 6	-0.7 68% 93	+6.0 79% 3	+1.04 68% 99	+16 80% 69	+1.12 75% 93	+1.10 75% 79	+1.04 71% 56	\$291 1	\$452 3	
NUIF32 NGMC196 NUID96	BONNY BROOKE FALCO F32 ^{SV} HBR	+44 82% 76	-1.7 68% 84	-9.6 56% 99	-0.2 91% 97	+5.8 89% 87	+54 91% 40	+84 89% 80	+111 90% 74	+91 84% 68	+19 78% 41	-0.4 77% 99	-2.1 52% 96	+67 84% 56	-1.8 82% 99	+2.2 82% 11	+1.4 83% 24	-1.2 73% 99	+2.4 82% 53	-0.39 73% 4	+20 81% 52	+0.96 79% 75	+0.92 79% 38	+1.04 74% 56	\$138 97	\$237 99	
HCAQ63 NGMG120 HCAK233	BOONAROO GENIUS Q63 ^{SV} HBR	+108 77% 31	+10.2 79% 2	+5.1 69% 34	-5.2 91% 41	+0.6 96% 5	+47 94% 74	+88 94% 68	+109 91% 77	+95 91% 62	+19 86% 41	+1.5 90% 75	-8.0 54% 6	+63 82% 69	+1.9 80% 94	+3.0 81% 6	+4.2 81% 4	-0.6 75% 91	+3.6 82% 26	-0.44 69% 3	+29 93% 20	+0.74 89% 30	+0.96 90% 48	+1.10 86% 73	\$231 32	\$393 28	
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361	

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 3

Ident	Name																										
Sire Dam	Reg.	MSA MBL RBV	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	
HCA22T221 HCAQ63 HCAQ11	BOONAROO GENIUS T221 ^{PV} HBR	+158 72% 9	+8.0 68% 9	+4.0 60% 46	-4.7 91% 49	+1.4 93% 10	+50 87% 62	+89 85% 88	+107 85% 80	+75 83% 87	+16 77% 64	+0.6 81% 94	-7.3 45% 10	+75 75% 33	+9.2 72% 24	+2.6 73% 8	+3.5 74% 6	-0.3 64% 83	+5.2 76% 6	-0.39 65% 4	+21 81% 48	+0.80 75% 42	+1.06 75% 72	+1.24 71% 96	\$274 4	\$422 11	
NGME124 NAQA241 NGMB325	BOOROOMOOKA INSPIRED E124 HBR	+42 94% 77	-5.6 97% 95	-0.9 92% 87	-6.0 99% 29	+3.7 99% 48	+45 98% 80	+82 98% 83	+107 98% 80	+104 98% 48	+15 98% 72	+0.9 98% 90	-8.7 84% 3	+84 97% 14	+3.6 96% 84	-0.2 96% 55	+3.8 96% 5	-0.3 95% 83	+2.2 96% 58	+0.95 90% 97	+18 98% 62	+0.80 97% 42	+0.80 96% 14	+0.80 96% 5	\$191 75	\$329 76	
NGM21S267 VTMN549 NGMQ580	BOOROOMOOKA NEWLY S267 HBR	+143 75% 14	+8.2 74% 8	+6.2 64% 22	-7.4 96% 13	+0.6 94% 5	+51 92% 56	+90 93% 65	+118 90% 59	+95 86% 63	+22 79% 19	+2.1 90% 54	-5.1 53% 47	+77 80% 29	+5.4 77% 66	+1.3 78% 23	+1.5 79% 23	+0.0 71% 69	+4.7 79% 11	+0.55 68% 81	+31 90% 16	+0.42 81% 2	+0.62 81% 2	+0.88 77% 14	\$237 25	\$391 29	
NGMN213 NGML201 NGML45	BOOROOMOOKA NORMANDY HBR	+114 87% 27	+11.1 79% 1	+10.3 68% 1	-7.7 95% 11	+1.0 97% 7	+41 96% 91	+73 96% 96	+99 96% 90	+73 94% 89	+22 91% 20	+3.2 94% 18	-9.0 57% 2	+50 90% 92	+3.8 88% 82	-2.7 88% 94	-3.5 88% 92	+1.0 80% 16	+3.1 89% 36	+0.94 80% 97	+31 95% 16	+0.76 94% 34	+0.62 94% 2	+1.02 88% 49	\$224 39	\$372 44	
NGMP96 WWEL3 NGMM566	BOOROOMOOKA PARAGON P96 HBR	+72 92% 55	-2.5 83% 87	+2.7 76% 61	-7.7 99% 11	+3.7 99% 48	+64 98% 9	+119 98% 4	+164 98% 2	+131 97% 13	+29 95% 2	+3.5 98% 18	-8.3 70% 4	+112 94% 1	+12.7 93% 6	-2.8 93% 95	-1.2 93% 67	+1.5 87% 5	+2.2 94% 58	+0.75 89% 92	+31 99% 15	+0.82 98% 47	+0.98 98% 53	+1.06 97% 62	\$293 1	\$476 1	
NGMR49 USA17960722 NGMP361	BOOROOMOOKA RAUDONIKIS HBR	+49 87% 72	+4.8 72% 34	+4.8 67% 37	-5.3 92% 39	+3.7 93% 48	+64 92% 9	+106 92% 19	+131 92% 29	+102 89% 51	+21 81% 27	+3.6 87% 11	-3.6 60% 79	+64 88% 65	+12.3 86% 7	-0.2 86% 55	-1.3 87% 68	+0.9 78% 19	+1.6 89% 72	+0.14 82% 39	+31 89% 16	+1.06 89% 88	+0.82 89% 17	+0.88 85% 14	\$244 19	\$401 22	
NGM22T246 TFAN90 NGMM566	BOOROOMOOKA THEODORE HBR	+169 76% 7	+3.8 74% 43	+4.3 68% 43	-6.0 97% 29	+2.9 96% 30	+53 90% 44	+107 88% 18	+145 87% 10	+109 85% 39	+24 80% 13	+3.0 83% 23	-8.7 57% 3	+86 79% 12	+14.1 77% 3	+0.8 77% 33	+1.2 78% 27	+1.0 71% 16	+4.5 79% 13	+1.04 70% 99	+30 86% 18	+0.84 73% 51	+1.00 72% 58	+0.88 71% 14	\$309 1	\$491 1	
NGM22T1254 NGMR350 NGMR41	BOOROOMOOKA TURBO T1254 HBR	+122 71% 23	+2.7 67% 54	+4.9 59% 36	-3.3 96% 71	+5.4 95% 82	+64 87% 8	+113 84% 9	+149 84% 7	+119 83% 25	+25 76% 9	+3.2 79% 18	-8.0 46% 6	+107 74% 1	+9.1 70% 25	+0.8 71% 33	+0.1 72% 45	-0.3 61% 83	+5.1 75% 7	+0.81 65% 94	+34 77% 10	+0.68 71% 20	+1.08 72% 76	+1.14 67% 82	\$291 1	\$475 1	
SRKK306 NJWG279 TFAD58	BOWMONT KING K306 ^{PV} HBR	+154 92% 10	+0.1 85% 74	-6.6 80% 99	-4.6 97% 51	+4.3 98% 61	+49 97% 66	+79 97% 89	+103 97% 86	+86 95% 75	+2 95% 99	-0.3 96% 99	-4.1 71% 69	+65 94% 62	+14.4 93% 3	-0.4 93% 60	-1.8 93% 76	+1.5 91% 5	+4.8 94% 10	+0.47 87% 74	+25 97% 33	+0.56 94% 7	+0.90 94% 33	+0.68 92% 1	\$234 28	\$350 62	
WLHD19 USA13058662 USA14311946	CHERYLTON STEWIE D19 ^{PV} HBR	+144 94% 13	+3.2 95% 49	+3.3 89% 54	-4.7 98% 49	+3.1 98% 34	+45 98% 80	+89 98% 66	+110 98% 75	+96 97% 61	+19 98% 36	+2.2 98% 50	-7.3 78% 10	+56 96% 84	+5.0 95% 71	-1.7 95% 85	+1.0 95% 30	-0.2 93% 79	+4.1 95% 18	+0.43 89% 71	+15 96% 75	+1.02 95% 83	+1.02 95% 63	+1.04 92% 56	\$221 43	\$375 42	
GTNM6 VTMF734 VSNF15	CHILTERN PARK MOE M6 ^{PV} HBR	+17 93% 90	+4.8 92% 34	+3.2 87% 55	-1.3 99% 91	+3.2 99% 36	+52 99% 53	+100 99% 35	+136 99% 22	+80 98% 83	+31 98% 1	+1.5 99% 75	-5.0 79% 49	+84 97% 13	+6.8 95% 50	-1.1 96% 75	+0.7 96% 35	+0.3 93% 52	+1.5 95% 75	+0.31 89% 58	+39 99% 5	+0.72 99% 26	+1.06 99% 72	+1.08 99% 68	\$235 28	\$374 42	
GTNP9 HKFJ5 GTNK26	CHILTERN PARK PICASSO P9 ^{PV} HBR	+112 87% 28	+9.2 85% 4	+9.2 73% 3	-3.6 99% 67	+1.1 99% 8	+52 98% 49	+100 98% 35	+127 98% 38	+83 95% 79	+26 91% 5	+3.6 97% 11	-8.4 65% 4	+89 91% 8	+6.3 89% 56	-0.8 89% 69	+0.5 90% 38	-0.5 83% 89	+4.1 90% 18	+0.65 80% 87	+32 97% 13	+0.64 95% 14	+0.76 96% 9	+0.80 92% 5	\$267 6	\$435 7	
GTNQ322 USA18636106 GTNL198	CHILTERN PARK QUADRANT HBR	+108 89% 31	+6.5 84% 19	+4.0 73% 46	-2.3 97% 83	+3.9 97% 52	+63 94% 10	+119 96% 4	+149 95% 7	+112 90% 36	+24 82% 10	+4.3 87% 4	-7.0 61% 13	+93 91% 5	+13.1 89% 5	-1.6 88% 83	-1.1 89% 65	+0.5 80% 39	+3.9 91% 21	+0.95 82% 97	+5 87% 95	+1.08 85% 90	+1.12 85% 83	+0.98 81% 37	\$296 1	\$481 1	
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361	

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 4

Ident	Name																									
Sire Dam	Reg.	MSA MBL RBV	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
QMUM13 USA16295688 QMUG1	CLUNES CROSSING DUSTY M13 HBR	+54 94% 68	+2.1	+5.8	-6.6	+5.2	+62	+98	+115	+57	+17	+0.8	-7.4	+70	+13.3	-2.4	-2.7	+0.9	+2.0	+0.33	+9	+0.86	+0.86	+1.00	\$294	\$423
NBHL348 NZE14647008839 AHWJ81	CLUNIE RANGE LEGEND L348 PV HBR	+74 93% 54	-6.6	+4.4	-7.7	+5.8	+56	+102	+123	+153	+2	+2.8	-5.7	+62	+0.1	+3.8	+0.7	-0.7	+2.4	+0.13	+22	+0.50	+0.80	+1.20	\$152	\$323
NBHP392 USA17960722 NBHM516	CLUNIE RANGE PLANTATION HBR	+129 89% 20	+4.3	+4.9	-5.0	+4.4	+68	+117	+145	+114	+21	+5.4	-5.2	+68	-1.5	-0.3	-1.2	-1.5	+4.2	+0.34	+24	+0.72	+0.90	+0.84	\$230	\$403
WDCH249 USA14885809 WDCE9	COONAMBLE HECTOR H249 SV HBR	+13 94% 91	+0.8	+1.8	-8.4	+4.6	+45	+80	+99	+92	+6	+1.4	-4.8	+45	+9.2	+4.2	+4.2	+0.6	+0.3	-0.41	+38	+0.40	+0.50	+0.78	\$184	\$317
USA19611994 USA18467508 USA18974126	DB ICONIC G95 PV HBR	+130 90% 19	+4.2	+6.0	-3.2	+3.0	+67	+124	+154	+146	+14	+3.2	-6.1	+86	+6.1	+0.2	+0.7	-0.7	+4.4	+0.27	+39	+1.18	+0.98	+0.80	\$263	\$469
NJS21S15 USA18636106 QHEJ100	DEVANAH SATURN S15 PV HBR	+69 87% 58	+4.2	+2.6	-7.6	+3.6	+63	+109	+142	+105	+26	+4.2	-7.1	+85	+9.1	-0.6	-0.4	+0.0	+2.3	+0.43	+15	+0.94	+1.08	+0.96	\$261	\$429
NJS22T48 GTNM6 NJSQ2	DEVANAH TOLEDO T48 PV HBR	-18 78% 98	+6.7	+5.9	-0.7	+3.0	+58	+101	+131	+97	+22	+1.9	-6.2	+89	+7.4	+2.0	+3.4	-0.3	+1.6	+0.52	+27	+0.82	+1.22	+1.26	\$247	\$410
WKGQ202 WKGN129 WKGL21	DIAMOND ONE ALL IN Q202 SV HBR	+13 89% 91	-9.0	-8.5	-5.6	+8.4	+74	+127	+173	+153	+22	+3.1	-4.6	+108	+9.4	-4.5	-4.7	+1.7	-0.7	-1.45	+31	+0.90	+0.62	+0.74	\$210	\$366
NGC21S068 USA18170041 NGCM191	DULVERTON SMART MISSILE HBR	+106 77% 32	+3.7	+2.3	-3.0	+2.1	+59	+99	+129	+93	+13	+2.1	-3.5	+72	+7.6	-1.1	+0.1	+0.1	+3.0	-0.43	+28	+1.02	+1.20	+1.10	\$234	\$377
BHRQ1163 BHRN394 BHRK074	DUNOON QUICK DRAW HBR	+173 79% 6	-1.4	+1.4	-5.8	+3.7	+56	+105	+137	+109	+21	+3.6	-3.6	+71	+9.3	-0.6	-2.0	-0.2	+5.6	+0.65	+12	+0.78	+0.62	+0.86	\$223	\$370
CYIR18 QMUM13 CYIM611	EBONY BEEF BILLIE RAY R18 PV APR	+45 87% 75	+2.4	+7.6	-3.5	+5.4	+66	+107	+129	+69	+24	+2.9	-6.7	+81	+12.7	-2.0	-0.3	+0.7	+1.9	+0.73	-3	+1.04	+0.88	+1.08	\$302	\$445
USA16198796 USA14686137 USA15452880	EF COMPLEMENT 8088 PV HBR	+36 97% 80	+4.7	+6.5	-4.6	+3.0	+53	+98	+131	+100	+21	+1.5	-7.3	+74	+7.8	+1.3	+0.6	+0.7	+1.6	+0.48	+20	+0.92	+1.24	+1.16	\$251	\$417
WWEL3 HIOG18 WWEJ8	ESSLEMONT LOTTO L3 PV HBR	+144 96% 14	-5.2	-4.0	-5.3	+4.7	+61	+110	+141	+135	+14	+3.6	-9.7	+88	+14.8	-0.7	+0.6	+1.6	+3.8	+0.26	+15	+1.12	+1.00	+1.12	\$297	\$477
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 5

Ident	Name																									
Sire Dam	Reg.	MSA MBL RBV	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
WWEQ24 WWEN12 WWEN7	ESLEMONT QUOKKA Q24 ^{PV} HBR	+73 89% 55	+5.2	+1.2	-4.7	+1.5	+41	+79	+91	+48	+17	+3.7	-7.6	+62	+16.8	+1.3	+0.5	+2.3	+2.4	+0.92	+28	+0.78	+0.86	+0.96	\$277	\$402
WWE21S6 NGMN418 WWEN7	ESLEMONT SEAN S6 ^{PV} HBR	+174 89% 6	+4.5	+6.1	-5.7	+2.6	+57	+98	+113	+89	+15	+4.4	-6.8	+76	+16.9	+1.6	-0.4	+1.4	+5.2	+0.55	+26	+1.10	+1.24	+1.20	\$305	\$468
WWE22T2 CSWQ011 WWEQ23	ESLEMONT TESLA T2 ^{PV} HBR	+250 77% 1	+8.6	+7.2	-9.0	+1.2	+58	+101	+134	+108	+18	+3.9	-6.9	+76	+3.2	-0.8	-2.0	-0.9	+7.4	+0.02	+31	+0.54	+0.98	+0.98	\$261	\$438
WKG22T2 USA19418329 WKG24	GANDY FAIR N SQUARE T2 ^{SV} HBR	-1 73% 95	+7.8	+2.9	-11.5	+2.2	+56	+103	+127	+68	+22	+1.7	-8.2	+72	+0.3	+4.5	+5.2	-1.3	+1.3	+0.48	+38	+0.82	+0.78	+0.88	\$254	\$401
WKG23U120 USA19955191 WKG98	GANDY MAN IN BLACK U120 ^{SV} HBR	+132 69% 18	+6.6	+5.9	-5.4	+2.7	+67	+120	+148	+129	+20	+4.0	-7.2	+91	+2.2	+0.2	-0.5	-1.1	+4.4	+0.59	+28	+0.94	+1.06	+1.02	\$259	\$457
USA18217198 USA17354178 USA16934264	G A R ASHLAND ^{PV} HBR	+81 95% 48	+2.5	+4.5	-5.9	+3.2	+66	+114	+145	+116	+16	+1.4	-2.4	+86	+12.9	-2.5	-2.3	+1.1	+2.5	+0.15	+11	+1.20	+1.12	+0.86	\$254	\$414
USA16295688 USA13009379 USA15129456	G A R PROPHET ^{SV} HBR	+119 97% 25	+2.9	+6.2	-0.6	+3.8	+67	+108	+133	+85	+22	+0.6	-5.4	+70	+3.8	-0.3	-1.3	-1.0	+4.8	+0.81	+26	+1.02	+0.82	+0.92	\$267	\$414
USA18690054 USA17965471 USA18054344	GB FIREBALL 672 ^{PV} HBR	+177 93% 5	+2.4	+7.4	-4.8	+2.6	+61	+100	+129	+123	+19	+2.7	-7.0	+73	+14.2	-2.8	-4.8	+0.9	+5.3	+0.56	+12	+1.06	+0.94	+0.80	\$270	\$448
QBV21S073 USA19199070 QBVJ018	GLENISA PATENT S073 ^{SV} HBR	+46 72% 74	+3.5	+4.6	-5.1	+5.4	+65	+116	+138	+131	+14	+2.5	-4.9	+74	+3.2	-0.9	+0.0	-0.3	+1.8	-0.13	+21	+0.92	+0.86	+1.00	\$222	\$403
QBGH221 BNAD145 QBGD80	GLENOCH HINMAN H221 ^{SV} HBR	+156 90% 10	+7.3	-3.6	-2.7	+2.8	+53	+93	+126	+112	+19	+0.8	-3.9	+83	+6.8	-2.3	-5.2	+0.8	+5.4	-0.28	+8	+0.84	+0.78	+1.04	\$215	\$361
DKK22T2 VLYM518 NKLF143	HARDHAT M518 TATUM T2 ^{PV} HBR	+129 78% 19	-6.7	-0.5	-9.8	+4.5	+64	+106	+140	+133	+16	+1.0	-1.4	+73	+7.3	-3.0	-2.4	-0.1	+4.0	-0.02	+29	+0.74	+0.70	+1.02	\$182	\$319
NHZQ1229 NHZF1023 NHZJ823	HAZELDEAN Q1229 ^{PV} APR	+111 90% 29	+2.6	+4.6	-3.2	+4.5	+56	+101	+125	+77	+19	+4.3	-7.5	+77	+11.7	-0.1	-2.6	+0.4	+3.9	+0.95	+27	+0.66	+1.00	+0.96	\$275	\$423
NHZQ319 NHZM586 NHZL1175	HAZELDEAN Q319 ^{PV} APR	+144 90% 13	+5.0	+9.6	-8.6	+2.1	+53	+104	+140	+138	+14	+3.1	-11.1	+80	+2.1	+2.6	+0.9	-1.0	+5.0	+0.65	+31	+0.76	+0.98	+1.10	\$258	\$473
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 6

Ident	Name																										
Sire Dam	Reg.	MSA MBL RBV	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	
NHZR265 NHZM182 NHZN294	HAZELDEAN RENEGADE R265 ^{PV} APR	+105 77% 33	+6.1	+1.6	+0.1	+3.9	+50	+98	+132	+121	+17	+1.6	-2.3	+70	+5.9	-1.3	-2.4	-0.2	+4.0	-0.07	+27	+0.68	+0.86	+1.00	\$177	\$333	
NHZ21S2055 NORL519 NHZK458	HAZELDEAN SYNERGY S2055 ^{PV} APR	+55 76% 68	+8.5	+8.2	-11.8	+1.8	+61	+109	+147	+123	+26	+2.7	-7.6	+84	+8.1	-0.6	-2.3	+0.4	+2.5	+0.08	+20	+0.38	+0.54	+0.80	\$260	\$451	
DOJ22T194 CSWQ011 DOJK187	HIGHRENT QUARTERBACK T194 APR	+190 75% 3	+6.9	+7.9	-6.4	+2.3	+58	+104	+148	+94	+34	+2.9	-5.7	+84	+4.2	+1.5	+1.9	-1.8	+6.6	-0.34	+35	+0.54	+1.14	+0.98	\$259	\$423	
CBJ21S13 CSWQ011 ASHP141	HILLS VIEW SAM S13 ^{PV} HBR	+139 75% 15	+5.3	+3.4	-3.4	+3.5	+56	+112	+145	+126	+21	+2.3	-3.7	+69	+5.1	+0.4	+0.8	-0.6	+4.0	-0.02	+32	+0.64	+0.74	+1.04	\$218	\$394	
USA20427019 USA17882682 USA19200093	HOOVER ABOUT IT ^{PV} HBR	+47 76% 74	+1.6	+6.1	-2.4	+0.7	+52	+100	+132	+91	+23	+2.0	-3.4	+76	+9.2	+2.6	+3.2	-0.1	+2.2	+0.71	+23	+0.68	+0.72	+0.78	\$222	\$365	
NZE13300018 WWEL3 NZE13300116373	KAKAHU PIVOTAL 18004 ^{PV} HBR	+175 88% 5	+4.1	+1.2	-6.8	+3.8	+54	+100	+120	+68	+28	+3.5	-8.8	+84	+9.1	+1.0	+1.6	+0.3	+4.6	+0.66	-1	+0.70	+0.88	+1.06	\$303	\$449	
FCJ21S132 USA18170041 NZE21180117268	KAKAHU S132 ^{PV} HBR	+160 77% 8	+1.8	+5.2	-1.6	+3.5	+55	+97	+126	+82	+22	+3.0	-3.7	+70	+7.2	-3.6	-3.8	+0.2	+4.5	-0.32	+32	+0.82	+0.96	+0.78	\$228	\$360	
GXNQ209 USA18463791 VLYL1327	KELLY ANGUS QUINN Q209 ^{SV} HBR	+35 87% 81	+7.8	+9.8	-7.1	+2.4	+65	+119	+142	+122	+28	+0.6	-10.8	+81	+5.2	-2.6	-3.5	+0.4	+2.3	-0.23	+38	+1.32	+1.24	+1.20	\$297	\$501	
NDIP481 USA17354145 NDIL236	KENNY'S CREEK PINNACLE P481 HBR	+164 89% 8	+1.1	+0.3	-3.8	+3.1	+48	+87	+117	+63	+22	+0.5	-3.0	+77	+4.4	+1.4	+1.5	-1.4	+6.3	+1.26	+17	+0.94	+0.96	+0.86	\$212	\$319	
KILK18 USA16417285 USA15107929	KILLAIN ALASKA K18 ^{PV} HBR	-21 86% 98	-13.0	-6.9	-0.4	+7.0	+65	+119	+161	+168	+17	+4.1	-2.4	+81	+6.6	-3.2	-4.9	+1.0	-1.0	-0.60	+33	+1.06	+0.76	+0.98	\$116	\$264	
BLAP130 SRKK306 BLAK113	KNOWLA PACKER P130 ^{PV} HBR	+50 85% 71	+3.7	+2.5	-2.6	+4.6	+56	+100	+133	+110	+11	+1.1	-5.4	+77	+8.4	-0.2	-1.0	+0.8	+1.8	+0.05	+27	+0.80	+1.16	+0.96	\$233	\$392	
BLAP91 HIOG18 BLAL06	KNOWLA PEPPER P91 ^{PV} HBR	+42 91% 77	+6.2	+1.4	-5.1	+3.8	+60	+116	+144	+168	+8	+1.8	-9.7	+66	+8.6	+2.9	+0.0	+0.6	+2.4	+0.43	-1	+0.96	+0.98	+1.02	\$258	\$485	
BLAR190 BLAN127 BLAP172	KNOWLA REVOLUTION R190 ^{PV} HBR	+155 83% 10	+10.6	+5.8	-11.7	+0.5	+40	+81	+103	+66	+24	+2.7	-3.5	+57	+15.3	+3.5	+2.9	+0.1	+5.0	+0.80	+42	+0.70	+1.00	+0.98	\$226	\$354	
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361	

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 7

Ident	Name																												
Sire Dam	Reg.	MSA MBL RBV	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			
BLA21S48 USA18837398 BLAL21	KNOWLA SO RIGHT S48 ^{PV} HBR	+181 89% 4	+7.0 86% 15	+0.1 74% 82	-5.1 99% 43	+3.2 99% 36	+55 98% 36	+100 98% 35	+131 98% 30	+110 93% 38	+16 86% 59	+2.6 98% 35	-5.0 58% 49	+81 91% 20	+7.3 90% 44	+0.8 90% 33	+2.6 90% 12	-0.4 82% 86	+4.8 91% 10	+0.25 82% 51	+29 98% 20	+0.80 96% 42	+1.06 96% 72	+1.02 95% 49	\$240 22	\$404 20			
BLA21S44 BLAN127 BLAQ69	KNOWLA SUPERIOR S44 ^{PV} HBR	+119 75% 24	+8.6 71% 7	+2.3 61% 65	-8.7 94% 6	+1.3 95% 9	+52 90% 52	+103 89% 26	+137 88% 20	+132 85% 13	+8 79% 98	+1.6 83% 72	-4.2 49% 67	+76 79% 31	+8.6 76% 30	-0.4 77% 60	+1.5 78% 23	+0.4 70% 46	+3.5 79% 28	+0.31 68% 58	+39 86% 4	+0.42 81% 2	+0.76 82% 9	+0.86 78% 11	\$224 39	\$404 20			
BLA22T72 BLAN127 BLAN14	KNOWLA TOP NOTCH T72 ^{PV} HBR	+104 75% 33	+7.0 68% 15	+1.1 60% 75	-8.1 92% 9	+3.3 90% 39	+59 89% 20	+110 89% 13	+146 88% 10	+148 84% 5	+10 78% 94	+3.7 81% 10	-3.7 48% 77	+82 78% 18	+6.9 77% 48	-1.2 78% 77	-1.1 78% 65	+0.6 70% 34	+3.0 79% 39	-0.55 67% 2	+24 85% 36	+0.72 81% 26	+0.84 81% 21	+1.08 78% 68	\$213 52	\$402 22			
NZCP117 USA17960722 NZCM67	KO B074 BEAST MODE P117 ^{PV} HBR	+128 89% 20	+1.3 83% 65	+6.2 72% 22	-5.4 98% 38	+1.8 98% 14	+59 96% 20	+99 97% 36	+122 96% 50	+110 94% 38	+10 89% 94	+2.2 92% 50	-6.2 63% 24	+53 91% 89	+1.5 91% 95	+1.1 90% 27	+0.1 91% 45	-1.2 85% 99	+4.0 91% 19	+0.50 82% 77	+12 91% 82	+0.62 92% 12	+0.52 92% 1	+0.70 88% 1	\$216 48	\$379 39			
TFA21S1944 NORL519 TFAN829	LANDFALL SUMMIT S1944 ^{PV} HBR	+142 79% 14	+5.6 76% 26	+4.8 68% 37	-7.1 98% 16	+3.0 98% 32	+51 96% 58	+105 95% 21	+138 93% 19	+113 88% 34	+25 81% 9	+2.4 93% 42	-6.0 60% 28	+73 83% 40	+9.6 83% 81	+1.7 83% 17	+2.0 83% 17	-0.1 78% 74	+4.2 84% 17	+0.51 72% 78	+24 93% 37	+0.64 90% 14	+0.74 91% 7	+0.84 86% 8	\$250 15	\$427 9			
VLYL483 HKFJ5 VLYH221	LAWSONS LINKEDIN L483 ^{SV} HBR	+62 90% 63	+4.6 79% 35	-6.8 76% 99	-1.1 98% 93	+4.3 98% 61	+59 97% 22	+109 97% 15	+153 97% 5	+143 95% 6	+24 96% 10	+4.0 95% 6	-5.5 69% 38	+101 93% 2	+8.7 90% 29	-1.5 89% 82	+1.9 91% 18	+0.2 85% 58	+2.2 91% 58	-0.20 83% 11	+18 89% 62	+1.04 85% 86	+0.84 85% 21	+0.90 81% 17	\$220 44	\$400 23			
VLYQ44 VLYM518 VLYK914	LAWSONS MIRACULOUS Q44 ^{PV} HBR	+93 88% 40	+5.7 80% 26	+0.2 70% 81	-7.7 97% 11	+3.5 96% 43	+50 94% 60	+93 94% 56	+108 94% 78	+104 92% 48	+12 88% 85	+3.2 91% 18	-4.1 63% 69	+45 90% 96	+18.1 88% 1	-0.2 88% 55	+0.0 89% 47	+1.9 81% 2	+1.8 90% 68	+0.18 82% 43	+34 85% 9	+0.94 85% 71	+0.94 85% 43	+0.98 81% 37	\$230 33	\$384 34			
VLYM518 USA17354145 VLYH229	LAWSONS MOMENTOUS M518 HBR	+202 95% 2	-1.4 98% 82	+1.4 93% 73	-5.2 99% 41	+3.9 99% 52	+51 99% 58	+92 99% 60	+115 99% 64	+81 99% 82	+23 99% 14	+2.7 99% 32	-1.7 86% 98	+53 98% 89	+11.8 97% 9	-1.2 97% 77	-0.1 97% 48	+0.3 96% 52	+5.8 96% 3	+0.61 92% 85	+36 99% 7	+0.84 99% 51	+1.00 99% 58	+1.16 99% 86	\$221 43	\$337 71			
VLYR4010 USA17354145 VLYP4005	LAWSONS ROCKY R4010 ^{PV} HBR	+126 86% 21	+6.1 84% 22	+8.1 76% 8	-4.7 99% 49	+2.4 99% 22	+54 98% 44	+96 98% 47	+121 98% 52	+82 97% 81	+21 93% 25	+2.6 98% 65	-4.3 62% 24	+79 91% 65	+12.2 90% 7	+1.6 90% 18	+1.1 90% 29	+0.3 84% 52	+4.3 90% 15	+1.45 79% 99	+18 99% 60	+0.96 99% 75	+1.02 99% 63	+1.10 98% 73	\$260 9	\$410 17			
VLYR1217 USA18217198 VLYN976	LAWSONS ROMULUS R1217 ^{PV} HBR	+153 88% 11	+2.3 77% 57	+6.9 68% 16	-5.2 94% 41	+4.0 92% 54	+65 91% 7	+110 90% 13	+152 91% 5	+124 87% 20	+18 80% 44	+1.4 84% 78	-1.6 60% 98	+85 88% 12	+11.8 87% 9	-3.7 86% 99	-4.9 87% 98	+1.4 79% 6	+4.0 89% 19	+0.66 82% 88	+14 86% 78	+1.16 84% 95	+1.08 84% 76	+1.00 80% 43	\$250 15	\$410 16			
MAN22T221 TFAQ494 MANR461	MANDAYEN MAINLAND T221 ^{PV} HBR	+122 72% 23	+10.0 73% 2	+7.8 63% 10	-6.9 98% 18	+1.5 98% 11	+49 90% 67	+89 87% 68	+123 86% 48	+80 83% 82	+26 77% 6	+3.4 84% 14	-5.8 47% 31	+77 77% 29	+14.6 73% 2	-0.9 74% 71	-1.0 75% 64	+1.4 66% 6	+3.4 77% 30	+0.81 65% 94	+29 86% 21	+0.68 67% 20	+0.88 68% 29	+0.98 66% 37	\$266 7	\$415 14			
CHK21S093 USA19266718 CHKN068	MANEROO PARTNERS S093 ^{SV} APR	+133 76% 18	+1.6 72% 63	+1.5 64% 72	-3.0 92% 75	+4.7 93% 69	+62 90% 13	+101 90% 31	+124 89% 46	+116 85% 30	+14 78% 75	+3.2 81% 18	-6.2 53% 24	+72 79% 42	+14.2 78% 3	-2.4 79% 92	-3.7 79% 93	+1.3 73% 8	+3.9 80% 21	+0.30 68% 57	+31 84% 16	+1.02 79% 83	+1.04 79% 67	+1.06 75% 62	\$263 8	\$427 9			
NMMG18 NZE12170004408 NMMD85	MILLAH MURRAH HIGHLANDER HBR	+13 90% 91	-0.4 85% 77	-2.6 75% 93	-3.1 97% 74	+4.7 96% 69	+49 94% 66	+86 94% 75	+108 94% 78	+89 91% 72	+19 88% 39	+3.9 90% 7	-2.1 66% 96	+76 91% 30	+10.8 90% 13	-3.6 90% 98	-1.7 91% 74	+2.0 84% 1	-0.3 92% 98	-0.01 85% 24	+16 91% 71	+0.76 84% 34	+0.94 85% 43	+1.02 80% 49	\$168 89	\$282 93			
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361			

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 8

Ident	Name																										
Sire Dam	Reg.	MSA MBL RBV	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	
NMMK35 NZE469 NMMG41	MILLAH MURRAH KINGDOM K35 HBR	-42 94% 99	-10.1 96% 99	-4.2 91% 96	-1.9 99% 87	+8.8 99% 99	+55 98% 35	+100 98% 34	+138 98% 18	+149 98% 4	+11 98% 92	+0.9 98% 90	-5.8 82% 31	+64 96% 67	+7.3 96% 44	+0.1 96% 48	-0.1 96% 48	+1.0 94% 16	-0.9 95% 99	-0.73 90% 1	+28 98% 22	+0.86 96% 55	+1.34 96% 99	+1.20 94% 92	\$149 95	\$296 90	
NMMK42 NGMT30 NMMH4	MILLAH MURRAH KLOONEY K42 HBR	+79 95% 51	+2.8 95% 53	+1.1 90% 75	-5.9 99% 30	+5.6 99% 84	+47 99% 74	+85 98% 76	+108 98% 78	+91 98% 69	+22 98% 21	+2.2 98% 50	-5.4 85% 40	+66 97% 59	+6.7 96% 51	-1.4 96% 80	-3.2 96% 90	+1.2 95% 10	+2.1 96% 60	+0.09 90% 33	+17 99% 66	+0.84 97% 51	+0.92 97% 38	+1.04 95% 56	\$198 68	\$331 75	
NMML133 USA17091363 NMMH49	MILLAH MURRAH LOCH UP L133 HBR	+41 94% 77	+6.0 89% 23	+4.5 86% 41	-5.5 99% 36	+4.8 99% 71	+59 98% 21	+100 99% 35	+131 98% 30	+101 98% 54	+25 98% 9	+2.1 98% 54	-2.9 83% 89	+79 97% 24	+1.7 96% 94	-2.3 96% 91	-4.0 96% 95	-0.6 95% 91	+1.9 96% 65	-0.01 90% 24	+32 98% 13	+0.68 97% 20	+1.06 97% 72	+1.14 96% 82	\$175 85	\$319 81	
NMMM308 NZE14647008839 NMMH331	MILLAH MURRAH MILESTONE HBR	+83 88% 47	+6.7 86% 18	+5.6 76% 28	-6.9 98% 18	+4.6 98% 67	+42 97% 91	+78 97% 90	+89 96% 97	+71 94% 90	+15 94% 72	+2.8 96% 28	-4.4 70% 63	+40 91% 99	+4.4 90% 77	+2.4 90% 9	+4.3 90% 3	-0.4 85% 86	+2.5 91% 50	+0.20 81% 45	+18 96% 61	+0.86 84% 55	+0.98 84% 53	+1.22 82% 94	\$186 78	\$316 83	
NJWH283 NJWF189 NJWE51	MILWILLAH ELSOM H283 PV HBR	+49 90% 72	+0.3 84% 73	-5.8 73% 98	-1.9 97% 87	+3.9 97% 52	+47 96% 74	+84 96% 80	+123 96% 47	+111 92% 36	+21 94% 23	+1.9 94% 61	-1.1 64% 99	+77 92% 28	+8.9 91% 27	-2.2 91% 90	-2.4 91% 83	+1.4 86% 6	+1.4 92% 72	+0.36 85% 63	+18 88% 62	+0.72 89% 26	+0.80 90% 14	+1.06 85% 62	\$146 96	\$266 96	
NJWE158 NZEE230 VTMX114	MILWILLAH LAD E158 SV HBR	+136 90% 17	-2.4 84% 86	-7.8 77% 99	-8.1 95% 9	+7.8 97% 99	+41 97% 92	+78 96% 91	+105 96% 83	+105 93% 47	+8 96% 98	+2.0 93% 57	-5.2 65% 44	+42 92% 98	+8.6 91% 30	-0.8 91% 69	-5.3 91% 99	+1.4 86% 6	+3.2 92% 34	+0.30 83% 57	+14 90% 78	+0.82 79% 47	+0.84 80% 21	+0.72 72% 2	\$160 92	\$281 93	
BWFQ33 USA18181757 BWFN9	MOOGENILLA QUINELLA Q33 PV HBR	+159 92% 9	+2.5 85% 55	+9.2 76% 3	-6.2 99% 26	+3.9 99% 52	+59 99% 19	+114 99% 8	+145 98% 10	+85 98% 77	+29 97% 2	+3.0 98% 23	-4.3 67% 65	+93 95% 5	+9.2 94% 24	-0.4 94% 60	+0.8 94% 33	-0.6 89% 91	+5.2 94% 6	+0.40 88% 68	+32 98% 13	+0.86 98% 55	+0.90 98% 33	+0.84 97% 8	\$274 4	\$426 9	
NW121S03 NMMP15 NWIM17	MORTON'S SUPERTROOPER S03 HBR	+52 73% 70	+3.9 72% 42	+7.7 67% 10	-7.7 91% 11	+4.0 90% 54	+55 87% 36	+105 85% 21	+141 85% 14	+116 83% 30	+19 78% 41	+2.9 83% 25	-4.5 53% 61	+93 76% 5	+12.2 73% 7	-3.2 73% 97	-4.1 74% 95	+1.5 66% 5	+2.0 77% 63	+0.55 68% 81	+20 81% 55	+0.88 69% 60	+0.96 69% 48	+1.10 67% 73	\$234 28	\$402 21	
CSWP036 USA17236055 CSWL123	MURDEDUKE BLACK PEARL HBR	+204 91% 2	+1.3 80% 65	+1.4 72% 73	-8.4 96% 96	+4.8 96% 76	+48 96% 68	+94 94% 53	+128 96% 36	+117 92% 28	+22 87% 18	+3.4 92% 18	-7.7 69% 7	+59 92% 79	+0.3 91% 98	+0.4 90% 41	-1.0 91% 64	-1.1 83% 98	+6.4 92% 2	+0.46 87% 73	+18 95% 64	+0.84 94% 51	+1.18 94% 90	+1.22 91% 94	\$210 55	\$375 42	
CSWK428 VTME343 CSWE175	MURDEDUKE KICKING K428 PV HBR	+25 91% 86	+7.8 90% 10	+10.2 78% 1	-7.6 98% 12	+1.8 98% 14	+48 97% 70	+94 98% 52	+116 97% 64	+90 96% 70	+24 95% 10	+3.6 97% 11	-5.8 71% 31	+67 94% 56	+2.6 92% 90	-0.4 90% 60	-3.1 93% 90	+0.3 88% 52	+0.7 93% 89	-0.06 87% 20	+40 97% 4	+0.86 97% 55	+1.02 97% 63	+1.16 95% 86	\$185 79	\$340 69	
CSW22T115 VTMP1479 CSWR082	MURDEDUKE PHEASANTRY HBR	+180 74% 5	+1.1 71% 67	+3.3 63% 54	-6.3 88% 25	+4.8 86% 71	+55 86% 39	+103 85% 25	+129 85% 35	+125 83% 19	+28 78% 3	+3.1 81% 20	-8.3 53% 4	+76 76% 30	+5.2 75% 69	+1.5 75% 20	+1.4 76% 24	-1.2 68% 99	+6.8 78% 1	+0.76 69% 92	+22 81% 44	+0.34 78% 1	+1.00 78% 58	+1.20 75% 92	\$248 16	\$428 9	
CSWQ011 VLYM518 CSWN026	MURDEDUKE QUARTERBACK HBR	+179 92% 5	+6.8 92% 17	+3.0 87% 58	-9.4 99% 3	+3.0 99% 32	+53 99% 45	+101 99% 32	+137 99% 21	+107 98% 44	+26 97% 7	+4.0 99% 6	-5.5 76% 38	+78 96% 26	+5.0 94% 71	+1.5 95% 20	+2.9 95% 9	-1.2 92% 99	+5.4 94% 5	+0.26 88% 52	+23 99% 42	+0.70 99% 23	+1.06 99% 72	+1.06 99% 62	\$232 30	\$400 23	
NURM204 USA16956101 NURJ43	MURRAY PROCEED M204 PV HBR	+253 91% 1	-6.5 81% 96	+6.3 72% 21	-4.0 96% 61	+4.4 96% 63	+61 95% 14	+105 95% 21	+144 95% 11	+134 91% 11	+19 88% 40	+2.3 92% 46	-3.4 66% 82	+89 92% 7	+14.4 91% 3	-4.8 89% 99	-6.2 91% 24	+0.8 87% 1	+6.6 92% 33	+0.09 85% 45	+22 93% 45	+0.98 91% 78	+0.76 91% 9	+0.90 88% 17	\$229 33	\$382 36	
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361	

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 9

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Sire Dam	Reg.	MSA MBL RBV	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	
WLG P5 USA18229425 WLG M24	NARANDA PIMP P5 ^{SV} APR	+122 88% 23	+10.5	+9.3	-11.6	+1.4	+51	+97	+126	+89	+22	+1.7	-3.2	+82	+7.0	+1.5	+2.8	-0.3	+3.6	+0.29	-3	+0.70	+0.76	+1.08	\$229	\$381	
SKO J6 VTME343 NZCE115	NEWLYN PARK EMPEROR J6 ^{PV} HBR	+16 87% 90	-5.6	-5.4	-6.8	+7.4	+66	+112	+142	+160	+9	+1.4	-3.8	+78	+8.3	-1.2	-1.6	+1.3	+0.3	-0.72	+13	+1.06	+0.84	+0.74	\$186	\$351	
NZE21095018 HIOE7 NZE21095112H49	NGAPUTAH I P206 ^{PV} HBR	+132 89% 18	+8.9	+4.2	-1.3	+0.2	+42	+84	+96	+69	+25	+2.8	-8.6	+52	+5.5	+0.0	-2.1	+1.0	+4.0	+0.16	+16	+0.96	+1.14	+1.10	\$247	\$391	
NZE21095020 USA17960722 NZE2109510845	NGAPUTAH I R160 ^{SV} HBR	+109 79% 30	-1.6	+4.2	-0.8	+4.9	+64	+109	+131	+112	+18	+4.6	-4.5	+74	+5.2	-1.3	-1.1	+0.2	+3.2	-0.15	+34	+0.78	+0.82	+0.96	\$230	\$384	
USA16981588 USA16381311 USA16408070	PA FULL POWER 1208 ^{PV} HBR	+112 93% 28	-5.1	-3.5	-4.8	+3.8	+52	+98	+120	+75	+14	+2.0	-1.8	+71	+12.9	-1.5	+0.7	+1.0	+3.0	+0.83	+21	+1.24	+0.92	+0.76	\$220	\$324	
HKFK146 HKFH114 HKFG42	PARINGA RED PILBARA K146 ^{PV} HBR	+195 88% 3	+0.1	-0.8	-0.6	+2.4	+31	+59	+66	+31	+21	+1.5	-6.7	+40	+6.9	+1.1	+2.5	-0.2	+6.2	+0.80	+13	+0.74	+1.02	+1.14	\$212	\$298	
SMPG357 VTMB1 SMPD245	PATHFINDER GENESIS G357 ^{PV} HBR	+14 95% 91	-1.4	+3.0	-7.2	+6.6	+62	+109	+148	+138	+26	+4.4	-7.9	+95	+13.8	+0.1	-0.6	+1.3	+0.6	+0.58	+28	+0.82	+1.08	+0.80	\$248	\$430	
SMPK22 SMPG357 SMPH756	PATHFINDER COMPLETE K22 ^{SV} HBR	+71 93% 56	+9.9	+7.3	-9.1	+1.0	+41	+74	+96	+52	+25	+2.9	-7.4	+51	+6.8	+3.5	+5.7	+0.2	+2.4	+0.56	+26	+0.50	+0.88	+0.68	\$243	\$372	
SMPM651 VTMG67 SMPH66	PATHFINDER MASTERPIECE HBR	+73 87% 55	+3.5	+4.3	-6.2	+5.1	+56	+103	+127	+137	+21	+3.5	-8.0	+53	+9.9	-1.8	-4.2	+1.7	+1.4	-0.27	+32	+1.00	+1.20	+1.20	\$231	\$420	
SMPN56 HIOG18 SMPL179	PATHFINDER NUCLEUS N56 ^{SV} HBR	+53 91% 69	+4.6	+3.1	-3.8	+5.2	+59	+105	+136	+133	+18	+4.6	-6.7	+75	+12.7	+0.6	+1.3	+0.9	+1.7	+0.37	+7	+0.76	+0.82	+0.86	\$248	\$436	
SMPP516 SMPM558 SMPJ282	PATHFINDER PHAT CAT P516 ^{SV} HBR	+209 85% 2	+4.3	+3.3	-7.2	+4.5	+52	+89	+116	+81	+25	+5.1	-8.5	+48	+11.5	-3.4	-2.9	+0.7	+5.9	+0.15	+38	+0.72	+1.08	+0.88	\$281	\$432	
SMP22T9 CSWQ011 SMPQ1130	PATHFINDER QUARTERBACK T9 HBR	+198 78% 3	+5.4	+4.6	-7.9	+2.3	+47	+92	+124	+77	+30	+4.2	-3.9	+70	+17.2	+0.1	+0.8	+1.1	+4.9	+0.71	+17	+0.58	+1.02	+0.90	\$263	\$405	
SMP22T756 NURM204 SMPN248	PATHFINDER TASMANIA T756 ^{SV} HBR	+239 80% 1	+2.1	+6.7	-5.0	+2.3	+64	+107	+129	+98	+20	+3.0	-5.9	+77	+6.5	-1.2	-2.4	-0.3	+7.3	+0.01	+18	+0.78	+0.90	+1.04	\$284	\$445	
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361	

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 10

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Sire Dam	Reg.	MSA MBL RBV	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	
USA20313395 USA19559741 USA19568610	PEAK STAPLETON PV HBR	+159 76% 9	-1.1 72% 81	+8.5 58% 6	-2.5 95% 81	+5.3 93% 80	+64 88% 9	+114 86% 8	+137 85% 20	+102 83% 51	+16 79% 64	+0.5 82% 95	-5.6 44% 35	+89 80% 8	+17.6 79% 1	+0.5 75% 39	+0.5 73% 38	+1.1 67% 13	+5.1 81% 7	+0.85 63% 95	+20 77% 54	+0.92 92% 68	+1.04 92% 67	+0.80 61% 5	\$321 1	\$483 1	
NZE41-97 NZE53195 NZE63988	PINEBANK WAIGROUP 41/97 # HBR	+15 95% 90	+3.1 96% 50	-4.1 91% 96	-3.5 98% 68	+3.6 99% 45	+37 98% 97	+64 98% 99	+76 98% 99	+51 98% 98	+18 98% 46	+0.9 98% 90	-4.5 89% 61	+17 97% 99	+5.3 96% 68	+1.3 96% 23	+0.2 96% 43	+0.9 95% 19	+1.1 96% 83	-0.02 90% 23	+34 93% 11	+0.28 88% 1	+0.90 88% 33	+0.96 84% 31	\$161 92	\$250 98	
USA20060473 USA19555171 USA18631711	POSS WINCHESTER PV HBR	+51 81% 71	+1.7 75% 62	+5.3 57% 32	-7.6 98% 12	+5.7 98% 86	+81 96% 1	+135 96% 1	+175 93% 1	+158 89% 2	+14 83% 75	+2.4 93% 42	-6.2 47% 24	+107 86% 1	+11.0 86% 12	-0.8 84% 69	-3.7 82% 93	+0.2 78% 58	+2.6 87% 48	-0.13 66% 15	+27 90% 27	+0.78 97% 38	+0.86 97% 24	+0.92 57% 21	\$288 2	\$497 1	
WQCQ47 VLYM518 VLYM1690	QUANDEN SPRINGS HBR	+110 85% 29	+9.6 78% 3	+8.6 69% 5	-9.4 92% 3	-0.8 93% 1	+51 91% 57	+97 92% 41	+132 92% 28	+113 88% 34	+31 84% 1	+5.1 86% 1	-2.7 63% 91	+49 86% 94	+9.3 86% 24	+0.1 85% 48	+1.1 86% 29	+0.4 78% 46	+2.4 88% 53	-0.26 79% 8	+27 88% 26	+0.94 84% 71	+0.98 85% 53	+1.06 80% 62	\$199 67	\$365 51	
NLRE17 USA13058662 NAQW232	REILAND EVERITT E17 PV HBR	+105 90% 32	-5.2 88% 94	+3.5 79% 52	-1.3 96% 91	+5.0 97% 75	+51 96% 57	+87 96% 71	+120 96% 55	+86 94% 75	+16 94% 61	+4.5 94% 3	-3.4 70% 82	+63 92% 68	+10.0 91% 18	-2.0 91% 88	+0.7 91% 35	+1.0 87% 16	+1.7 92% 4	-0.43 84% 4	+12 88% 82	+1.10 86% 92	+0.92 87% 38	+0.98 83% 37	\$195 71	\$310 85	
NORE11 NGMY145 VLYY5	RENNYLEA EDMUND E11 PV HBR	+105 98% 32	+8.4 99% 7	-0.1 97% 83	-6.7 99% 20	+1.3 99% 9	+34 99% 99	+64 99% 99	+83 99% 99	+55 99% 97	+16 99% 64	+1.8 99% 65	-8.8 95% 3	+50 98% 93	+4.0 98% 81	+3.4 98% 4	+1.2 98% 27	-0.2 98% 79	+4.1 98% 18	+0.74 96% 91	+23 99% 42	+0.54 99% 5	+1.04 99% 67	+1.08 99% 68	\$206 60	\$326 78	
NORH708 NORC511 NORE176	RENNYLEA H708 PV APR	+268 95% 1	-6.8 93% 96	+4.3 87% 43	+1.3 98% 99	+4.4 98% 63	+46 98% 77	+101 98% 32	+126 98% 40	+131 98% 13	+11 97% 92	+2.3 98% 46	-3.3 84% 84	+72 96% 43	+12.3 96% 7	-3.2 96% 97	-6.5 96% 99	+2.0 94% 1	+7.2 96% 1	+0.59 93% 83	+22 98% 47	+0.66 98% 17	+0.68 98% 4	+0.94 97% 26	\$217 47	\$367 49	
NORK522 NORE11 NORF810	RENNYLEA KODAK K522 SV HBR	+141 93% 14	+8.5 95% 7	+8.2 86% 7	-4.8 99% 48	+1.3 99% 9	+44 98% 85	+82 98% 84	+108 98% 78	+111 98% 37	+12 98% 85	+4.5 98% 3	-8.0 77% 6	+46 96% 96	+3.6 94% 84	+3.5 95% 3	+1.0 95% 30	-0.3 93% 83	+4.1 95% 18	+0.39 89% 67	+6 96% 94	+0.58 97% 8	+0.82 97% 17	+0.94 95% 26	\$206 59	\$383 35	
NORL508 USA17366506 NORH414	RENNYLEA L508 PV HBR	+174 94% 6	+2.2 87% 58	+7.8 82% 10	-5.7 99% 33	+2.7 99% 27	+46 98% 77	+85 98% 78	+118 98% 59	+89 98% 72	+27 98% 4	+1.4 98% 78	-8.5 84% 3	+57 96% 82	+5.6 96% 64	+0.5 96% 39	-0.6 96% 57	-0.1 94% 74	+5.5 96% 5	+0.54 90% 90	+14 99% 78	+0.64 98% 14	+0.82 98% 17	+0.88 97% 14	\$251 14	\$402 21	
NORP987 NORM763 NORM1184	RENNYLEA P987 PV APR	+247 89% 1	+9.1 77% 5	+8.8 67% 5	-7.9 97% 10	+1.5 98% 11	+49 97% 64	+95 96% 47	+119 95% 56	+125 92% 19	+7 96% 99	+0.2 96% 97	-3.3 66% 84	+69 91% 51	+5.1 90% 70	+3.9 90% 2	+2.5 90% 12	-1.2 84% 99	+8.5 91% 91	+0.92 83% 97	+10 97% 89	+0.86 94% 55	+1.02 94% 63	+1.04 92% 56	\$224 39	\$402 22	
NORQ1077 NORH708 NORG101	RENNYLEA Q1077 PV APR	+156 84% 10	+2.1 85% 59	+10.9 73% 1	-4.3 98% 56	+2.8 98% 28	+51 97% 55	+99 97% 37	+123 97% 48	+108 95% 42	+11 92% 91	+2.2 97% 50	-6.2 64% 24	+78 88% 25	+15.8 88% 1	+0.6 88% 37	-0.2 88% 50	+1.5 84% 5	+5.0 88% 8	+0.61 77% 85	+20 98% 52	+0.68 95% 20	+0.80 95% 14	+0.84 92% 8	\$285 2	\$458 2	
NORQ213 NORK907 NORL110	RENNYLEA Q213 PV APR	+51 89% 70	+8.5 86% 7	+7.1 73% 14	-6.9 98% 18	+1.1 98% 8	+62 98% 11	+117 98% 6	+145 97% 10	+94 96% 64	+21 94% 26	+0.6 97% 94	-10.7 65% 1	+97 92% 3	+8.8 91% 28	+1.0 91% 29	+0.3 91% 41	+0.2 86% 58	+3.3 91% 32	+0.62 83% 85	+27 98% 27	+0.50 97% 4	+0.70 97% 5	+0.90 94% 17	\$335 1	\$522 1	
NORR992 NORN542 NORM1034	RENNYLEA R992 PV APR	+175 87% 5	+3.6 71% 45	+8.0 63% 8	+2.0 95% 99	+1.1 95% 8	+44 94% 85	+83 94% 81	+115 94% 65	+82 92% 80	+26 87% 7	+1.8 92% 65	-7.0 59% 13	+72 89% 42	+12.4 87% 7	+0.4 87% 41	+0.4 88% 40	+0.5 80% 39	+5.9 90% 3	+1.06 81% 99	+23 93% 42	+0.62 90% 12	+0.84 90% 21	+0.84 86% 8	\$265 7	\$413 15	
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361	

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 11

Ident	Name																									
Sire Dam	Reg.	MSA MBL RBV	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
NOR22T1430 NORQ1077 NORQ58	RENNYLEA T1430 ^{PV} APR	+140 77% 15	+4.4	+10.0	-4.4	+3.8	+56	+103	+145	+104	+24	+2.3	-5.5	+105	+17.8	-1.1	-0.4	+1.3	+5.0	+0.86	+19	+0.48	+0.84	+0.98	\$304	\$475
NOR22T458 VTMQ1454 NORK723	RENNYLEA T458 ^{PV} APR	+241 77% 1	+5.2	+8.4	-4.9	+2.6	+51	+93	+126	+105	+27	+1.8	-5.3	+66	+18.6	-2.1	-1.4	+0.6	+7.4	+0.16	+30	+0.92	+1.10	+0.98	\$278	\$445
VKR22T58 USA19169335 VKRR38	RIGA TAVERN T58 ^{PV} HBR	+108 74% 31	+4.9	+3.7	-4.0	+2.0	+58	+109	+134	+131	+14	+4.1	-3.4	+73	+7.4	-1.3	-1.1	+0.3	+3.1	+0.09	+34	+0.90	+0.86	+0.98	\$210	\$389
NZE14572019 HKFM103 NZE14572117009	RISSINGTON SOVEREIGN Q485 HBR	+201 90% 2	+10.9	+9.4	-7.0	+0.7	+63	+116	+158	+128	+22	+2.4	-5.2	+92	+7.1	-1.8	-5.4	+0.2	+7.0	+0.11	-5	+0.94	+0.96	+1.22	\$280	\$472
BGB22T330 NZE145720200321 NZE145721190379	RISSINGTON TITAN T330 ^{PV} HBR	+217 70% 1	+5.3	+4.6	-3.0	+3.1	+51	+90	+121	+117	+23	+1.8	-4.8	+76	+11.2	-3.7	-5.4	+1.5	+6.1	+0.33	+3	+0.84	+0.90	+0.94	\$241	\$404
FCD21S52 USA18837398 NZE21159116122	SEVEN HILLS STERLING S52 ^{PV} HBR	+138 74% 16	+8.2	+5.4	-3.6	+2.6	+56	+103	+130	+108	+15	+1.7	-3.2	+65	+10.0	-1.8	-2.2	+0.9	+3.7	-0.07	+29	+0.90	+1.04	+1.00	\$239	\$399
FCD22T53 USA19123898 NZE21159120016	SEVEN HILLS T53 ^{PV} HBR	+102 73% 35	+9.6	+7.0	-4.8	+1.1	+58	+106	+137	+100	+22	+3.4	-5.7	+85	+13.0	-1.5	-1.4	+0.7	+3.3	+0.12	+23	+0.86	+0.90	+0.90	\$270	\$439
APBR5 TFAK132 HBUP80	SHACORRAHDALU ROYALE R5 HBR	+24 87% 87	+7.5	+8.3	-6.4	+2.3	+48	+91	+111	+61	+23	+2.2	-7.4	+67	+5.6	+3.8	+4.9	-0.2	+1.7	+1.03	+11	+0.86	+1.04	+0.74	\$255	\$399
APB22T385 NORQ213 APBN158	SHACORRAHDALU TANK T385 APR	+75 75% 53	+10.2	+6.1	-10.5	+0.3	+57	+113	+139	+90	+22	+2.8	-11.4	+81	+12.5	+1.2	-0.3	+0.9	+2.9	+0.38	+38	+0.58	+0.84	+1.06	\$334	\$520
USA19189229 USA17585576 USA18171316	STERLING CONFIDENCE PLUS HBR	+39 81% 78	+5.0	+4.0	-5.8	+1.4	+58	+103	+124	+80	+21	+1.0	-5.2	+72	+11.4	+2.1	+2.1	+0.3	+1.8	+0.14	+17	+0.98	+0.88	+0.96	\$263	\$410
FAM21S329 USA19057457 NZE21043118P69	STOKMAN SOLUTION S329 ^{PV} HBR	+110 77% 30	+7.0	+4.1	-10.5	-1.2	+44	+91	+110	+58	+20	+3.4	-7.9	+64	+10.7	+3.0	+2.3	+0.6	+2.5	+0.93	+3	+0.96	+1.10	+0.96	\$266	\$409
FAM21S346 USA18397542 NZE21043119Q31	STOKMAN STELLAR S346 ^{PV} HBR	+118 75% 25	+4.9	+8.9	-7.3	+2.0	+52	+108	+134	+105	+14	+3.0	-7.9	+67	+6.4	+4.8	+3.6	-0.1	+2.9	+0.60	+15	+0.56	+0.86	+0.98	\$268	\$453
SYAN340 SYAL178 SGMK250	STONEY POINT NOLTE N340 ^{SV} HBR	+92 86% 41	-2.2	-6.6	-6.3	+6.0	+72	+128	+165	+152	+17	+3.6	-2.9	+105	+5.7	-3.1	-5.3	+0.6	+3.0	-0.17	+6	+0.92	+0.90	+1.10	\$218	\$388
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 12

Ident	Name																									
Sire Dam	Reg.	MSA MBL RBV	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
SYAP147 USA17936442 SWAH233	STONEY POINT PERRY P147 ^{PV} HBR	+130 88% 19	+4.9	+2.7	-5.0	+4.5	+56	+103	+133	+107	+19	+1.6	-7.4	+97	+9.8	-1.4	-0.5	+0.4	+3.8	-0.25	+5	+0.80	+0.74	+0.66	\$269	\$439
NZE19507018 NORL508 NZE19507113J320	STORTH OAKS FULLY LOADED HBR	+116 89% 26	+8.4	+5.2	-11.5	+1.2	+44	+87	+132	+130	+23	+3.2	-8.1	+66	+2.9	+0.6	+0.3	-0.5	+4.0	+0.79	+30	+0.58	+0.78	+1.04	\$196	\$381
FAF21S19 USA18962277 NZE19507115L244	STORTH OAKS ZEPHYR S19 ^{PV} HBR	+90 75% 42	+6.5	+7.7	-6.9	+2.8	+66	+116	+155	+113	+26	+3.5	-6.5	+79	+2.4	-0.2	+1.2	-0.8	+3.6	+0.66	+7	+0.78	+0.94	+0.92	\$270	\$453
USA17236055 USA15354674 USA16214508	SYDGEN BLACK PEARL 2006 ^{PV} HBR	+119 96% 24	+1.6	+7.0	-7.0	+3.2	+51	+85	+122	+87	+21	+1.5	-4.1	+75	+7.9	+0.4	-0.9	+0.5	+3.1	+0.37	+15	+1.02	+1.20	+1.14	\$217	\$348
NPGG121 NMMMD1 NPGC14	TALOOBY GALAXY G121 ^{SV} HBR	+33 88% 82	-1.3	-1.1	-2.4	+5.6	+38	+64	+92	+88	+14	+0.8	-5.2	+64	-0.6	+1.9	+2.1	+0.2	+1.5	+0.69	+9	+0.80	+1.06	+1.08	\$134	\$245
VTMK52 USA16295688 VTMH423	TE MANIA KALIBROOK K52 ^{PV} HBR	+132 87% 18	+7.3	+6.0	-3.4	+1.4	+51	+101	+127	+101	+28	+1.5	-6.0	+73	+4.3	+1.0	+1.6	-0.6	+5.5	+1.38	+6	+1.18	+1.12	+1.20	\$247	\$414
VTMK138 USA16295688 VTMH17	TE MANIA KIRBY K138 ^{PV} HBR	+256 97% 1	+0.3	+7.8	-1.4	+4.9	+52	+87	+114	+98	+18	+2.5	-8.0	+66	+6.0	+1.7	+3.1	-1.9	+8.6	+0.76	+15	+0.76	+0.76	+0.94	\$252	\$410
VTMN424 VTMJ89 VTMJ214	TE MANIA NEBO N424 ^{PV} HBR	+168 96% 7	+8.8	-0.5	-6.7	+3.8	+53	+101	+132	+99	+27	+4.2	-4.6	+54	+6.4	-0.9	-4.1	+0.3	+4.0	-0.08	+47	+0.92	+0.86	+0.92	\$213	\$361
VTMN1387 VTMK138 VTML452	TE MANIA NEON N1387 ^{SV} HBR	+313 95% 1	+0.9	+3.9	-6.3	+3.5	+46	+83	+103	+86	+20	+1.0	-6.4	+38	+3.1	-0.4	-0.8	-2.1	+10.	-0.25	+24	+0.68	+0.80	+0.90	\$221	\$358
VTMP888 VTMK226 VTMH423	TE MANIA PESO P888 ^{PV} HBR	+43 94% 76	+6.7	+5.7	-5.2	+2.1	+57	+112	+143	+117	+25	+2.3	-6.6	+91	+6.8	-0.6	+1.1	+0.6	+1.5	-0.13	+24	+0.84	+1.08	+1.00	\$254	\$438
VTMQ854 USA18229488 VTML1244	TE MANIA QUEBEC Q854 ^{SV} HBR	+48 94% 72	+8.0	+1.7	-2.3	+1.6	+55	+96	+124	+87	+27	+1.4	-5.6	+72	+3.8	+1.8	-0.6	-0.4	+3.4	+0.70	+32	+0.62	+0.78	+0.76	\$227	\$371
VTMR970 VTMP149 VTMP287	TE MANIA RESOLUTION R970 ^{PV} HBR	+56 86% 67	+2.3	+4.7	-5.3	+3.6	+57	+107	+134	+106	+22	+1.7	-5.3	+83	+9.5	+0.4	-0.5	+0.7	+1.9	-0.27	+26	+0.84	+0.88	+1.12	\$244	\$403
VTMR795 NORH708 VTML1374	TE MANIA ROCCO R795 ^{SV} APR	+190 90% 3	+1.5	+2.8	-3.8	+1.5	+40	+90	+118	+117	+18	+1.6	-4.8	+48	+5.7	+0.5	-2.4	+0.0	+5.8	+0.19	+34	+0.66	+0.82	+1.14	\$186	\$342
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 13

Ident		Name																									
Sire Dam	Reg.	MSA MBL RBV	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	
VTM22T868 USA18170041 VTMQ660	TE MANIA TONIC T868 (AI) PV HBR	+145 73% 13	+7.9	+2.4	-6.2	+3.2	+53	+98	+132	+98	+18	+3.0	-6.3	+71	+2.7	-1.0	-1.7	-1.1	+5.0	+0.19	+45	+0.80	+0.98	+0.92	\$221	\$379	
DXTR725 USA18962396 DXTH647	TEXAS ICEMAN R725 PV HBR	+57 90% 66	+0.1	+2.0	-3.7	+3.7	+53	+99	+124	+105	+14	+2.2	-2.6	+77	+12.1	+1.4	+5.2	+0.2	+2.0	+0.52	+38	+1.26	+0.84	+0.62	\$214	\$359	
DXTM100 USA15848590 DXTZ183	TEXAS MT KAPUTAR M100 PV HBR	+108 88% 31	+5.2	+6.1	-10.0	+4.7	+60	+105	+143	+139	+15	+3.5	-3.3	+79	+4.7	-2.5	-3.4	+0.1	+2.3	+0.25	+32	+1.00	+1.18	+0.98	\$187	\$365	
TVA22T32 USA17960722 TGUN12	TOLIVAR TORIN T32 PV HBR	+101 75% 35	+3.4	+4.8	-7.3	+3.3	+64	+105	+136	+116	+18	+1.8	-4.8	+76	+6.7	-3.2	-2.9	+1.0	+2.9	+0.00	+19	+0.66	+0.84	+0.94	\$252	\$416	
DBLF4 BNAD145 BNAC115	TOPBOS AMBASSADOR F4 PV HBR	+196 92% 3	-0.7	-11.1	+0.9	+4.7	+51	+92	+125	+103	+25	+2.0	-4.6	+76	+8.3	-4.8	-4.8	+1.4	+5.7	-0.39	+2	+0.56	+0.90	+1.16	\$224	\$348	
DBLL292 USA16295688 VSNF04	TOPBOS LEADING EDGE L292 PV HBR	+54 91% 68	+1.8	+7.0	-5.9	+6.6	+72	+124	+162	+147	+23	+1.3	-4.0	+79	+4.1	-2.1	-4.9	-0.1	+1.7	+0.05	+17	+0.94	+0.82	+0.80	\$218	\$402	
NZE17691009 NZE17691003Y167 NZE17691195Q263	TURIHUA CRUMP E5 SV HBR	+25 94% 86	-2.0	-0.3	-5.9	+3.1	+29	+58	+83	+92	+14	+1.0	-8.9	+16	-0.8	+5.2	+3.8	-0.3	+1.5	+0.43	+30	+0.64	+1.22	+1.18	\$128	\$254	
NXTJ122 NORC574 NXTC89	TWYNAM J122 PV APR	+89 86% 43	+4.6	+3.7	-4.6	+4.8	+44	+79	+113	+88	+17	+1.6	-6.3	+71	+6.6	+3.3	-0.4	+0.6	+3.3	+0.34	-3	+0.96	+0.76	+0.98	\$217	\$358	
NXTL096 NXTH111 NXTJ078	TWYNAM L096 SV APR	+40 87% 78	+9.2	+10.7	-8.5	+2.1	+56	+110	+150	+118	+27	+3.1	-10.5	+103	+3.1	+0.3	+1.3	-0.3	+2.4	-0.31	+2	+0.64	+0.86	+0.96	\$275	\$478	
NZE18954020 NZE21159016327 NZE18954118P105	WAITANGI R257 PV HBR	+153 88% 10	+1.0	+2.1	-6.1	+3.9	+52	+92	+118	+99	+27	+3.2	-8.7	+69	+10.0	+0.2	-0.5	+0.3	+4.4	+0.73	+21	+0.82	+0.74	+0.74	\$255	\$412	
LEJ21S102 NJWN498 ASHL24	WALLAWONG SAFE & SOUND HBR	+134 85% 17	+6.9	+3.6	-6.4	+4.9	+49	+87	+115	+98	+17	+2.1	-0.6	+65	+7.6	-1.7	-2.2	+0.9	+3.8	+0.34	+13	+0.52	+0.74	+1.16	\$186	\$318	
QKBP29 SMPG357 QKBM01	WARRAWEE PATROL P29 PV HBR	+55 85% 68	+6.9	+10.1	-12.0	+2.9	+55	+104	+139	+134	+17	+2.4	-10.4	+101	+10.3	+3.8	+2.7	+0.3	+1.9	+0.62	+29	+0.78	+1.20	+1.00	\$273	\$484	
NWPE111 USA14474596 NWPC36	WATTLETOP SITZ 458N E111 SV HBR	+115 91% 27	+4.6	+7.0	-3.8	+2.8	+51	+91	+124	+92	+25	+1.9	-1.1	+84	+5.4	-4.2	-3.3	+0.9	+2.7	-0.52	+26	+0.98	+0.96	+1.10	\$188	\$319	
Breed Average EBVs		+81.	+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361	

Angus Australia - MSA Marbling Research Breeding Values

Date: March 10, 2026

Page: 14

Ident	Name		Calv-Ease		Birth		Growth			Maternal		Fert		Carcase						Feed		Temp		Structural			Selection Index	
Sire	Dam	Reg.	MSA	MBL	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
CWDM5	WEATHERLY MOXY M5^{SV}		+60		+3.7	+6.3	-4.7	+4.0	+55	+100	+134	+115	+27	+2.6	-7.8	+83	+6.4	+2.9	+1.0	+0.1	+2.8	+0.23	+19	+0.94	+1.06	+1.02	\$246	\$422
SMPG357	HBR		88%		77%	70%	93%	96%	95%	95%	94%	92%	89%	67%	91%	89%	89%	90%	83%	91%	82%	92%	93%	93%	87%			
CWDJ15			65		44	21	49	54	36	34	25	31	5	35	7	15	54	6	30	64	43	49	58	71	72	49	17	11
JVC21S2	WRIGLEY SUPREME S2^{PV}		+134		+9.6	+8.6	-1.3	+2.4	+57	+105	+131	+88	+24	+3.8	-9.5	+83	+7.7	-2.1	-0.9	+0.8	+4.3	+0.66	+5	+0.94	+0.88	+1.02	\$314	\$490
USA18636106	HBR		78%		72%	64%	97%	96%	95%	95%	94%	88%	80%	92%	55%	82%	82%	82%	76%	82%	71%	92%	88%	89%	86%			
JVCQ83			17		3	5	91	22	27	21	31	73	11	9	1	16	39	89	62	24	15	88	96	71	29	49	1	1
Breed Average EBVs			+81.		+2.5	+3.2	-4.7	+3.8	+52	+95	+122	+103	+18	+2.3	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.83	+0.97	+1.01	+212	+361

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