



MSA Marbling

RESEARCH BREEDING VALUES

JUNE 2025

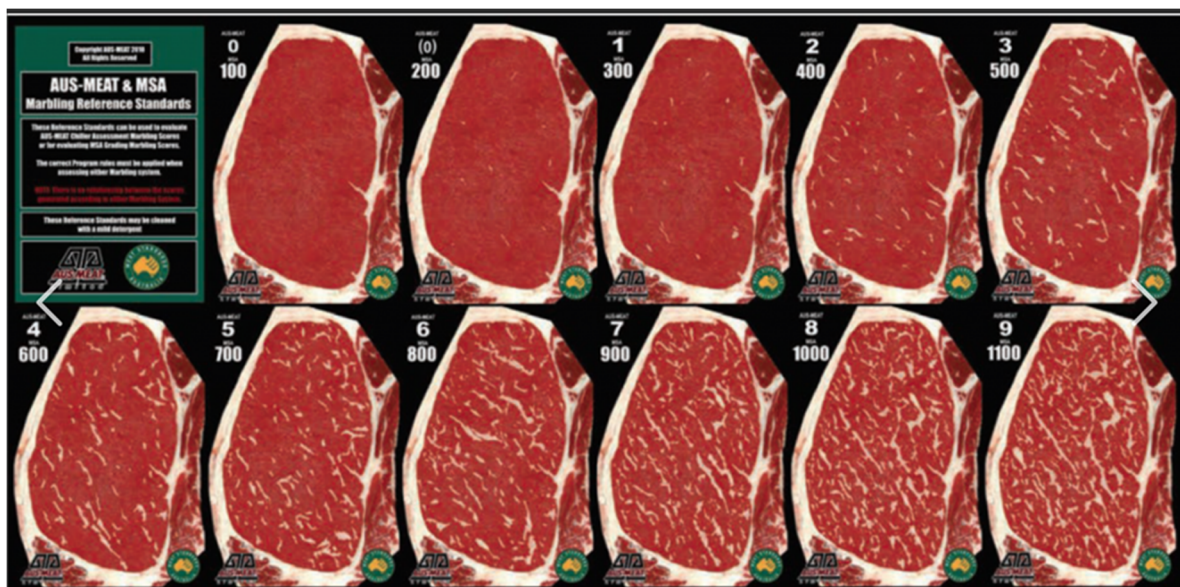
BACKGROUND

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: May 26, 2025

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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	
NXOL172 NXOF43 NXOJ432	AJC L172 ^{SV}	+60	+7.2	+8.0	-6.0	+3.0	+58	+99	+135	+123	+15	+2.1	-5.1	+71	+6.2	-0.5	+0.5	+0.3	+1.0	-0.98	+22	+1.44	+1.30	+1.18	\$213	\$390	
	APR	90%	76%	62%	94%	96%	94%	94%	94%	88%	90%	84%	56%	91%	89%	84%	90%	82%	91%	83%	85%	85%	85%	81%			
		61	13	8	27	29	24	34	21	20	67	51	41	42	53	61	37	82%	82%	1	47	99	98	89	43	23	
ARRR11 CAN2043806 QMUN24	ALKIRA RENEGADE R11 ^{PV}	+54	+7.3	+6.2	-4.0	+2.2	+45	+95	+130	+98	+25	+2.2	-7.5	+63	+8.5	+2.3	+1.7	-0.1	+2.1	+0.20	-1	+0.78	+0.72	+0.90	\$227	\$394	
	HBR	74%	68%	57%	96%	94%	92%	92%	91%	85%	77%	86%	46%	79%	78%	79%	79%	72%	79%	63%	89%	73%	73%	65%			
		66	12	21	58	16	78	45	31	56	8	47	6	66	27	10	20	75	56	47	99	37	6	16	28	20	
DGJG10 VTMB1 DGJZ15	ALLOURA GET CRACKING G10 ^{SV}	+199	+7.9	+7.4	-2.9	+2.5	+44	+74	+87	+86	+12	-0.4	-8.1	+46	+14.3	+1.4	+0.5	+0.8	+5.8	+0.46	+6	+0.48	+0.98	+0.94	\$267	\$421	
	HBR	93%	95%	86%	99%	99%	98%	98%	98%	98%	98%	97%	77%	96%	94%	95%	95%	91%	93%	89%	97%	96%	96%	94%			
		2	9	12	75	21	84	93	97	76	86	99	3	95	2	21	37	24	2	74	95	3	54	25	4	8	
DGJL94 USA15832750 DGJH24	ALLOURA LOCK STOCK &	+70	+6.1	+1.5	-4.2	+2.8	+57	+94	+123	+121	+11	+1.1	-4.2	+65	+0.9	+2.2	-1.3	+0.2	+1.8	-0.39	+24	+0.82	+0.88	+0.92	\$186	\$345	
	HBR	87%	80%	72%	93%	96%	94%	94%	94%	92%	88%	88%	54%	89%	84%	81%	86%	77%	87%	78%	93%	84%	82%	77%			
		54	20	70	55	26	26	49	45	23	91	84	63	62	96	11	68	59	64	5	37	46	29	21	74	59	
DGJQ30 WWEL3 DGJK117	ALLOURA QUINELLA Q30 ^{SV}	+281	+2.1	+1.5	+0.4	+2.9	+52	+97	+117	+120	+14	+3.3	-7.3	+65	+14.2	+0.1	+0.5	+0.8	+7.3	+0.43	+15	+0.92	+1.02	+1.16	\$281	\$458	
	HBR	89%	74%	67%	94%	93%	91%	91%	92%	87%	80%	83%	61%	89%	88%	87%	88%	79%	90%	82%	89%	85%	86%	81%			
		1	56	70	98	28	46	40	57	24	72	15	8	62	2	47	37	24	1	71	74	67	63	86	2	2	
CGKR232 NORN542 CGKM152	ALPINE RONALDO R232 ^{PV}	+107	+7.5	+7.1	-5.7	+1.8	+54	+100	+138	+118	+26	+2.9	-5.0	+79	+11.5	-3.9	-3.6	+0.7	+3.5	+0.16	+25	+0.60	+0.72	+0.98	\$230	\$403	
	HBR	75%	69%	61%	96%	94%	93%	92%	90%	86%	79%	86%	52%	80%	78%	79%	79%	72%	80%	67%	89%	80%	80%	77%			
		27	11	14	31	12	38	30	17	26	6	24	44	22	8	99	93	29	25	42	34	10	6	37	25	15	
WJMM117 WJMF96 WJMG78	ARDCAIRNIE M117 ^{SV}	+32	+6.1	-0.1	-5.5	+3.8	+55	+98	+129	+145	+3	+3.1	-5.4	+73	+10.1	-1.1	-1.7	+1.5	+0.5	+0.12	+11	+0.84	+1.00	+0.92	\$196	\$380	
	HBR	83%	77%	66%	93%	96%	95%	94%	94%	90%	87%	90%	57%	86%	85%	85%	86%	78%	87%	76%	83%	81%	81%	77%			
		81	20	81	34	47	35	37	32	6	99	19	35	37	14	74	74	5	90	38	86	50	59	21	64	30	
NAQA241 USA2928 NAQW38	ARDROSSAN EQUATOR A241 ^{PV}	+36	-1.3	+3.1	-4.4	+4.1	+50	+91	+121	+108	+20	+3.2	-8.8	+86	+8.1	-2.0	-0.3	+1.2	+1.6	+0.63	+25	+0.46	+0.86	+1.00	\$231	\$389	
	HBR	98%	99%	98%	99%	99%	99%	99%	99%	99%	99%	99%	95%	99%	98%	98%	98%	98%	98%	96%	99%	99%	99%	99%			
		78	80	54	52	54	61	57	50	41	29	17	2	11	31	88	51	10	69	86	33	2	25	43	24	23	
NAQN329 NAQH318 NAQK30	ARDROSSAN HOLBROOK N329	+51	-7.4	+0.5	-3.0	+2.7	+47	+86	+111	+77	+25	+2.5	-7.9	+70	+5.5	+2.4	+2.1	-0.9	+3.8	+1.08	+14	+0.82	+1.02	+0.92	\$205	\$322	
	HBR	89%	72%	67%	96%	95%	96%	95%	95%	90%	92%	86%	59%	91%	89%	89%	90%	82%	91%	83%	91%	81%	87%	83%			
		68	97	77	73	24	71	72	71	85	7	36	4	46	62	9	15	96	19	99	79	46	63	21	54	75	
NAQH255 NORE11 NAQD17	ARDROSSAN HONOUR H255 ^{PV}	+51	-1.8	-0.6	-2.6	+4.6	+43	+75	+97	+93	+13	+2.2	-6.0	+60	+5.7	+0.9	-1.5	+0.6	+2.4	+0.98	+10	+0.44	+1.02	+1.24	\$168	\$293	
	HBR	95%	96%	89%	99%	99%	98%	98%	98%	98%	98%	98%	85%	97%	96%	96%	96%	95%	96%	92%	98%	97%	97%	96%			
		68	82	84	79	65	85	92	91	66	83	47	23	74	59	30	71	35	49	98	89	2	63	96	86	88	
NAQQ67 NMMN334 NAQL96	ARDROSSAN NECTAR Q67 ^{PV}	+49	+6.1	+7.1	-8.7	+3.5	+54	+99	+128	+130	+11	+2.8	-6.9	+53	+5.2	+1.6	-0.3	-0.3	+2.7	+0.10	+36	+0.36	+0.82	+1.02	\$211	\$398	
	HBR	87%	80%	66%	93%	95%	95%	94%	94%	88%	85%	83%	57%	89%	88%	87%	88%	79%	90%	80%	93%	89%	90%	83%			
		70	20	14	5	40	38	35	34	14	91	27	11	88	65	18	51	83	42	36	8	1	18	49	47	17	
QQFH147 VTME343 NMMF123	ASCOT HALLMARK H147 ^{PV}	+116	-3.7	+1.3	-5.0	+7.1	+61	+110	+152	+138	+14	+3.8	-6.0	+79	-1.6	+0.6	-0.2	-0.9	+3.3	+0.35	+18	+0.48	+0.88	+1.02	\$196	\$365	
	HBR	94%	96%	89%	99%	99%	98%	98%	98%	98%	98%	98%	80%	96%	95%	96%	96%	94%	95%	90%	97%	95%	95%	93%			
		22	89	71	42	96	15	11	5	9	74	8	23	22	99	36	49	96	28	63	61	3	29	49	63	43	
HIOE7 VTMB219 BVVB32	AYRVALE BARTEL E7 ^{PV}	+127	+8.7	+9.1	-4.4	+1.8	+49	+87	+113	+75	+26	+2.5	-9.4	+65	+8.0	-0.4	+0.6	+1.2	+3.5	+0.28	+5	+1.04	+1.02	+1.14	\$292	\$450	
	HBR	98%	99%	97%	99%	99%	99%	99%	99%	99%	99%	99%	94%	98%	98%	98%	98%	98%	98%	96%	99%	99%	99%	99%			
		17	6	4	52	12	62	71	68	87	6	36	1	63	32	59	35	10	25	56	96	85	63	82	1	2	
Breed Average EBVs		+76.	+2.2	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+69	+6.5	+0.0	-0.2	+0.4	+2.5	+0.23	+21	+0.84	+0.96	+1.02	+205	+351	

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Ident	Name																									
Sire	Reg.	MSA MBL	Calv-Ease		Birth		Growth			Maternal		Fert		Carcase						Feed	Temp	Structural			Selection Index	
Dam		RBV	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	BALD BLAIR STIRLING S86 ^{PV}	+96	+6.4	+9.1	-4.1	+2.4	+65	+108	+143	+116	+19	+3.9	-4.9	+93	+5.3	-2.2	-3.7	+0.1	+3.6	-0.23	+6	+0.72	+0.64	+1.08	\$244	\$420
NMMP15	HBR	75%	75%	64%	96%	95%	94%	93%	92%	87%	79%	81%	51%	80%	78%	79%	79%	73%	80%	68%	92%	81%	81%	77%		
NBBQ25		35	18	4	57	19	6	14	11	28	37	7	46	5	64	90	93	65	23	11	95	26	2	68	14	8
ECMM114	BANNABY BERKLEY M114 ^{SV}	+103	+3.2	+2.8	-9.9	+4.0	+55	+94	+137	+164	+5	+4.0	-8.2	+65	+2.8	-1.0	-3.6	+0.3	+2.6	+0.05	+16	+0.80	+0.74	+1.12	\$184	\$386
VTMB1	HBR	86%	79%	71%	95%	94%	92%	92%	93%	88%	85%	88%	66%	87%	86%	86%	87%	80%	88%	79%	85%	87%	87%	84%		
BBAZ107		30	46	57	2	52	35	48	18	2	99	6	3	60	88	72	93	53	44	31	70	41	8	78	75	25
VONN462	BANQUET NUTTELLA N462 ^{PV}	+15	-1.9	+1.8	-4.1	+7.2	+56	+104	+143	+113	+26	+3.4	-4.7	+69	+3.5	-0.1	-1.5	+0.0	+1.2	-0.31	+56	+0.54	+0.92	+0.80	\$185	\$331
VONJ507	HBR	86%	82%	68%	96%	98%	96%	97%	96%	91%	87%	94%	57%	89%	88%	88%	88%	81%	89%	78%	95%	78%	79%	73%		
VONK224		90	83	67	57	97	29	21	11	34	5	14	51	51	83	52	71	70	78	7	1	5	39	5	74	70
NBNN239	BEN NEVIS NEWSFLASH N239 ^{PV}	+30	-0.3	+3.3	-4.2	+4.9	+59	+99	+134	+119	+18	+0.9	-2.6	+83	+5.3	-2.3	+0.1	+0.4	+1.3	+0.26	+10	+0.98	+0.96	+0.86	\$190	\$335
USA16956101	HBR	90%	85%	74%	98%	98%	96%	97%	97%	94%	92%	93%	63%	92%	91%	91%	85%	92%	84%	91%	93%	93%	90%			
NBNH215		82	74	52	55	72	20	33	23	25	41	88	90	14	64	91	44	47	76	53	89	77	49	10	69	66
NBNP122	BEN NEVIS PRIME P122 ^{PV}	+158	+4.2	+7.1	+0.4	+2.3	+56	+86	+111	+75	+12	+3.0	-3.9	+62	+5.7	+1.3	+1.9	-0.5	+4.7	+0.36	+24	+0.70	+0.74	+0.98	\$237	\$370
USA17960722	HBR	77%	79%	68%	94%	95%	93%	93%	93%	88%	84%	87%	58%	82%	82%	82%	82%	77%	82%	70%	85%	88%	88%	84%		
NBNM115		7	37	14	98	18	32	73	71	87	86	22	70	70	59	23	17	89	8	64	38	22	8	37	19	38
NBNR138	BEN NEVIS RONAN R138 ^{PV}	+38	+4.8	+6.6	-8.5	+3.5	+73	+120	+148	+141	+12	+2.2	-4.6	+79	+8.5	-1.4	-2.4	+0.6	+1.4	-0.03	+29	+0.74	+0.86	+0.94	\$252	\$444
USA17960722	HBR	75%	76%	67%	88%	90%	90%	90%	89%	85%	79%	82%	55%	79%	76%	77%	77%	71%	79%	69%	84%	85%	87%	83%		
NBNP153		77	31	18	6	40	1	3	7	7	86	47	54	22	27	80	83	35	74	24	21	29	25	25	9	3
NGXQ227	BONGONGO BE QUICK Q227 ^{PV}	+195	+4.2	+2.0	-4.2	+2.8	+50	+91	+113	+67	+24	+3.8	-6.5	+64	+11.5	+0.6	+2.7	+0.2	+5.9	+1.13	+18	+0.64	+1.08	+1.12	\$284	\$422
VLYM518	HBR	89%	73%	66%	97%	97%	95%	94%	93%	89%	81%	85%	61%	90%	89%	88%	89%	81%	91%	82%	91%	87%	87%	83%		
NGXN221		2	37	65	55	26	57	58	68	92	10	8	16	65	8	36	10	59	2	99	61	14	76	78	1	7
NGXP212	BONGONGO P212 ^{PV}	+168	+6.2	+9.4	-6.9	+2.3	+46	+86	+102	+77	+22	+3.8	-9.2	+54	+3.9	+3.1	+5.5	-1.0	+4.9	+0.93	+8	+0.76	+0.82	+0.94	\$257	\$420
NORL508	HBR	88%	71%	63%	96%	96%	95%	95%	94%	92%	85%	87%	61%	89%	89%	88%	89%	82%	90%	82%	86%	85%	85%	81%		
NGXL13		5	19	3	17	18	75	72	85	85	16	8	1	86	79	5	1	97	7	97	92	33	18	25	7	8
NUIF32	BONNY BROOKE FALCO F32 ^{SV}	+28	-4.2	-10.5	-0.1	+6.0	+53	+83	+108	+90	+18	-0.5	-2.1	+66	-2.0	+2.2	+1.3	-1.1	+2.0	-0.38	+20	+1.00	+0.92	+1.08	\$127	\$220
NGMC196	HBR	82%	67%	55%	91%	89%	91%	89%	91%	84%	78%	77%	52%	84%	82%	82%	83%	73%	82%	73%	81%	79%	79%	74%		
NUID96		83	91	99	96	88	42	79	76	69	44	99	95	58	99	11	25	98	59	5	54	80	39	68	98	99
HCAG013	BOONAROO GRAVITY G013 ^{PV}	+113	+4.7	+3.9	-5.4	+3.7	+51	+87	+114	+100	+22	+3.9	-5.4	+57	+5.6	-2.8	-3.5	+1.3	+2.9	-0.77	+22	+0.50	+0.92	+1.06	\$213	\$362
VTMA217	HBR	91%	91%	84%	98%	98%	97%	97%	97%	95%	96%	97%	73%	93%	92%	92%	93%	88%	91%	86%	95%	94%	94%	91%		
VTMZ618		24	32	45	36	45	54	69	64	54	16	7	35	80	60	95	92	8	37	1	47	3	39	62	43	45
HCAN20	BOONAROO KASBAH N20 ^{SV}	+72	+4.8	+2.1	-5.3	+5.6	+48	+89	+114	+112	+15	+3.6	-6.5	+55	+5.6	-0.7	-1.5	+0.9	+2.1	+0.77	+18	+0.86	+1.04	+1.08	\$200	\$361
VTMK338	HBR	89%	77%	65%	93%	96%	95%	94%	91%	92%	87%	91%	55%	90%	89%	88%	89%	79%	91%	84%	94%	91%	91%	86%		
HCAL54		52	31	64	37	84	69	65	65	35	68	11	16	85	60	66	71	20	56	93	64	54	68	68	59	45
NGME124	BOOROOMOOKA INSPIRED E124	+42	-5.4	+0.5	-6.0	+3.7	+45	+82	+107	+104	+15	+0.9	-8.4	+83	+3.5	-0.3	+3.6	-0.3	+2.3	+0.94	+19	+0.80	+0.80	+0.80	\$190	\$329
NAQA241	HBR	94%	96%	92%	99%	99%	98%	98%	98%	98%	98%	98%	84%	97%	96%	96%	95%	96%	90%	98%	97%	97%	96%			
NGMB325		75	94	77	27	45	78	81	78	48	70	88	3	15	83	57	6	83	51	97	60	41	15	5	69	71
NGMN418	BOOROOMOOKA JACKPOT N418	+85	+2.1	+7.0	-8.8	+5.5	+63	+112	+138	+135	+4	+3.4	-7.7	+81	+8.5	-0.7	-0.3	+0.8	+2.7	+0.29	+28	+1.30	+1.08	+1.06	\$271	\$466
WWEL3	HBR	86%	71%	66%	95%	97%	96%	96%	96%	94%	89%	94%	63%	89%	87%	87%	88%	81%	88%	80%	95%	93%	93%	87%		
NGML471		42	56	15	5	82	9	9	17	11	99	14	5	18	27	66	51	24	42	57	23	99	76	62	3	1
Breed Average EBVs		+76.	+2.2	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+69	+6.5	+0.0	-0.2	+0.4	+2.5	+0.23	+21	+0.84	+0.96	+1.02	+205	+351

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Ident	Name																												
Sire	Dam	Reg.	MSA	MBL	Calv-Ease		Birth		Growth			Maternal		Fert		Carcase						Feed	Temp	Structural			Selection Index		
			RBV		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	
NGMN213	BOOROOMOOKA NORMANDY		+121		+11.6	+11.1	-7.7	+1.1	+41	+73	+99	+73	+23	+3.3	-8.9	+49	+3.9	-2.8	-3.3	+0.9	+3.3	+0.93	+32	+0.72	+0.58	+1.04	\$225	\$373	
NGML201	HBR		87%		78%	66%	95%	96%	95%	96%	95%	94%	90%	94%	56%	89%	87%	87%	88%	79%	89%	79%	95%	93%	93%	85%			
NGML45			20		1	1	10	6	90	94	89	88	12	15	2	93	79	95	91	20	28	97	15	26	1	55	30	36	
NGMP96	BOOROOMOOKA PARAGON P96		+75		-4.3	+2.0	-7.8	+3.7	+63	+119	+161	+124	+29	+3.6	-8.3	+110	+13.4	-2.8	-1.4	+1.5	+2.4	+0.88	+33	+0.84	+1.00	+1.10	\$291	\$465	
WWEL3	HBR		92%		82%	75%	99%	98%	98%	98%	96%	93%	97%	66%	94%	92%	91%	92%	84%	93%	87%	98%	97%	97%	94%				
NGMM566			50		91	65	10	45	9	3	2	19	2	11	3	1	3	95	70	5	49	96	13	50	59	73	1	1	
NGMP22	BOOROOMOOKA PRESIDENT		+71		-1.3	+3.8	-6.3	+5.0	+58	+107	+143	+124	+21	+3.1	-5.9	+79	+5.5	+0.1	+0.9	+0.1	+2.7	+0.60	+18	+0.36	+0.64	+0.88	\$228	\$395	
NGMK9	HBR		90%		69%	62%	97%	96%	95%	95%	96%	92%	86%	91%	59%	91%	89%	89%	90%	80%	91%	84%	94%	88%	89%	83%			
NGMK640			52		80	47	23	74	22	15	11	19	20	19	25	22	62	47	30	65	42	84	60	1	2	13	26	19	
NGMR49	BOOROOMOOKA RAUDONIKIS		+29		+5.2	+5.1	-5.4	+3.8	+63	+105	+130	+99	+20	+3.7	-2.7	+73	+12.5	-0.3	-1.9	+1.2	+1.0	+0.09	+30	+1.04	+0.82	+0.84	\$235	\$386	
USA17960722	HBR		75%		71%	65%	92%	93%	91%	91%	90%	87%	80%	86%	54%	80%	77%	78%	79%	72%	79%	68%	89%	80%	80%	75%			
NGMP361			83		28	32	36	47	9	19	30	55	26	9	89	37	5	57	77	10	82	35	20	85	18	8	20	25	
BOWK2	BOWMAN AUSTRALIA K2 ^{PV}		+72		+7.6	+2.1	-6.5	+3.5	+49	+98	+123	+95	+22	+5.0	-7.6	+69	+8.2	-0.1	-1.4	+0.9	+1.5	-0.59	+11	+0.86	+1.02	+0.94	\$228	\$390	
VTME343	HBR		88%		80%	76%	94%	91%	91%	91%	88%	86%	85%	69%	89%	88%	88%	88%	83%	90%	83%	88%	84%	85%	81%				
NAQZ31			52		10	64	21	40	65	37	45	62	19	2	6	51	30	52	70	20	72	2	86	54	63	25	26	22	
SRKK306	BOWMONT KING K306 ^{PV}		+156		-1.5	-9.1	-4.6	+4.5	+49	+78	+103	+86	+2	-0.3	-4.2	+65	+14.7	-0.4	-1.8	+1.5	+4.8	+0.51	+25	+0.54	+0.90	+0.70	\$230	\$341	
NJWG279	HBR		92%		75%	73%	97%	98%	97%	97%	95%	95%	96%	70%	94%	93%	93%	93%	91%	94%	87%	96%	94%	94%	91%				
TFAD58			7		81	99	48	63	63	88	84	75	99	99	63	63	2	59	76	5	7	78	32	5	34	1	25	62	
BON21S004	BRIDGEWATER HOMETOWN		+74		+9.9	+8.6	-9.4	+1.5	+60	+100	+129	+100	+17	+3.0	-8.0	+87	+9.8	+2.2	+0.8	+0.0	+2.7	+0.31	+38	+1.36	+1.06	+0.84	\$273	\$449	
USA19266718	HBR		74%		70%	62%	92%	89%	89%	88%	86%	84%	78%	81%	49%	78%	77%	77%	78%	71%	79%	65%	85%	72%	72%	69%			
BONQ008			50		2	5	3	9	16	32	31	54	49	22	4	10	16	11	32	70	42	59	6	99	72	8	3	2	
BONQ007	BRIDGEWATER QUANTUM Q007		+44		-3.2	-1.0	-5.3	+5.6	+63	+99	+130	+102	+22	+0.5	-5.8	+87	+7.0	-0.3	-1.8	+0.2	+2.1	+0.17	+20	+0.98	+0.80	+1.04	\$226	\$359	
QMUM13	HBR		90%		70%	64%	93%	93%	92%	92%	93%	87%	80%	87%	58%	90%	89%	88%	89%	79%	91%	84%	86%	83%	84%	80%			
HIOL28			73		88	86	37	84	9	33	30	50	18	94	27	10	43	57	76	59	56	43	52	77	15	55	29	47	
AMQL39	BROOKLANA INFINITY L39 ^{SV}		+43		-9.6	-5.1	-1.4	+5.6	+49	+88	+111	+127	+9	+3.5	-4.4	+39	-3.9	+1.0	+2.5	-0.6	+1.5	+0.01	+28	+0.88	+0.94	+0.78	\$107	\$234	
NZE04379	HBR		90%		77%	70%	94%	93%	91%	91%	87%	81%	82%	65%	90%	89%	84%	89%	82%	91%	85%	87%	85%	85%	81%				
AMQH11			74		98	97	90	84	65	66	71	16	96	12	58	98	99	28	12	91	72	27	24	59	44	4	99	98	
QBUG49	BURENDA GEIGER COUNTER		+114		+8.4	+8.8	-6.6	+2.9	+41	+81	+106	+91	+17	+2.0	-8.9	+63	+3.5	+0.2	-1.5	+0.4	+3.3	+0.14	+26	+0.98	+1.20	+0.94	\$220	\$381	
VTMB1	HBR		90%		86%	76%	97%	97%	96%	96%	95%	94%	93%	94%	69%	92%	91%	91%	86%	90%	85%	95%	85%	85%	82%				
QBUE5			23		7	5	20	28	90	84	80	69	49	55	2	68	83	45	71	47	28	40	30	77	92	25	36	29	
WLHD19	CHERYLTON STEWIE D19 ^{PV}		+139		+3.4	+2.4	-4.7	+3.1	+45	+90	+111	+96	+20	+2.2	-7.2	+57	+4.7	-1.6	+1.2	-0.2	+4.1	+0.38	+15	+1.02	+1.00	+1.04	\$221	\$375	
USA13058662	HBR		94%		94%	89%	98%	98%	98%	98%	98%	97%	98%	98%	77%	96%	95%	95%	93%	95%	89%	96%	95%	95%	92%				
USA14311946			12		45	61	47	31	78	61	71	60	30	47	8	80	71	83	26	79	15	66	74	83	59	55	34	34	
GTNM6	CHILTERN PARK MOE M6 ^{PV}		+18		+5.7	+3.5	-1.2	+3.1	+51	+100	+135	+80	+32	+1.4	-6.4	+84	+6.6	-0.9	+0.6	+0.2	+1.8	+0.19	+39	+0.72	+1.04	+1.08	\$245	\$391	
VTMF734	HBR		92%		91%	84%	99%	99%	99%	99%	99%	98%	98%	99%	76%	96%	94%	95%	95%	91%	94%	87%	99%	99%	99%	98%			
VSNF15			89		24	50	92	31	53	32	21	82	1	76	17	14	48	70	35	59	64	46	5	26	68	68	13	22	
GTNP9	CHILTERN PARK PICASSO P9 ^{PV}		+103		+8.5	+8.8	-3.5	+1.1	+53	+100	+127	+85	+24	+3.3	-8.3	+89	+6.1	+0.0	+1.3	-0.7	+4.1	+0.68	+30	+0.64	+0.74	+0.82	\$266	\$434	
HKFJ5	HBR		86%		83%	69%	99%	98%	97%	97%	97%	92%	88%	95%	63%	90%	87%	88%	88%	81%	89%	78%	96%	94%	94%	90%			
GTNK26			30		6	5	66	6	44	32	36	76	8	15	3	8	54	50	25	93	15	89	18	14	8	6	4	4	
Breed Average EBVs			+76.		+2.2	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+69	+6.5	+0.0	-0.2	+0.4	+2.5	+0.23	+21	+0.84	+0.96	+1.02	+205	+351	

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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
GTNQ322 USA18636106 GTNL198	CHILTERN PARK QUADRANT HBR	+112 89% 24	+6.4 81% 18	+4.3 70% 41	-2.2 97% 83	+3.4 97% 38	+62 94% 11	+115 96% 6	+144 94% 10	+106 89% 44	+20 80% 29	+4.4 85% 4	-6.3 59% 18	+92 90% 5	+13.0 88% 4	-1.7 88% 84	-1.2 89% 66	+0.7 79% 29	+4.0 90% 16	+0.90 82% 96	+6 87% 95	+1.10 86% 91	+1.10 86% 80	+1.00 81% 43	\$292 1	\$471 1
QMUM13 USA16295688 QMUG1	CLUNES CROSSING DUSTY M13 HBR	+57 93% 63	+1.4 85% 62	+5.4 81% 29	-6.7 99% 19	+5.3 99% 79	+63 98% 9	+100 98% 31	+117 98% 58	+57 98% 97	+17 98% 53	+0.9 98% 88	-7.3 78% 8	+70 96% 47	+12.6 95% 5	-2.5 95% 93	-3.3 95% 91	+1.0 93% 16	+2.1 95% 56	+0.27 88% 54	+10 98% 89	+0.84 98% 50	+0.86 98% 25	+1.00 97% 43	\$297 1	\$424 7
NBHL348 NZE14647008839 AHWJ81	CLUNIE RANGE LEGEND L348 ^{PV} HBR	+83 92% 44	-6.0 95% 95	+4.4 87% 40	-7.8 99% 10	+5.8 99% 86	+57 98% 28	+102 98% 25	+123 98% 44	+153 98% 3	+2 98% 99	+2.8 98% 27	-6.0 80% 83	+61 96% 72	-0.2 94% 98	+3.8 95% 32	+0.8 95% 32	-0.8 93% 95	+2.6 94% 44	+0.13 87% 39	+24 97% 39	+0.50 97% 3	+0.80 97% 15	+1.20 96% 92	\$159 90	\$333 68
NBHP392 USA17960722 NBHM516	CLUNIE RANGE PLANTATION HBR	+122 88% 19	+4.6 90% 33	+3.4 78% 51	-5.1 99% 40	+4.4 99% 61	+68 98% 4	+117 98% 5	+145 98% 10	+110 95% 38	+22 92% 18	+5.3 98% 1	-4.3 65% 61	+72 91% 41	-1.3 91% 99	-0.3 90% 57	-1.5 90% 71	-1.6 84% 99	+3.9 91% 18	+0.20 82% 47	+24 98% 37	+0.70 98% 22	+0.88 98% 29	+0.82 97% 6	\$219 37	\$384 26
WDCH249 USA14885809 WDCE9	COONAMBLE HECTOR H249 ^{SV} HBR	+7 94% 92	+1.6 96% 61	+1.2 88% 72	-8.4 99% 6	+4.6 99% 65	+45 98% 80	+80 98% 86	+99 98% 88	+94 98% 64	+5 98% 99	+1.3 98% 79	-4.6 79% 54	+45 96% 96	+9.2 95% 21	+4.3 96% 2	+4.5 96% 3	+0.6 94% 35	+0.2 95% 94	-0.44 89% 4	+40 98% 4	+0.40 96% 1	+0.48 96% 1	+0.80 94% 5	\$182 76	\$316 78
USA19611994 USA18467508 USA18974126	DB ICONIC G95 ^{PV} HBR	+130 90% 16	+3.9 77% 40	+7.5 65% 11	-3.2 97% 71	+3.0 96% 29	+67 94% 4	+123 94% 2	+152 94% 5	+145 91% 6	+14 88% 77	+3.0 89% 22	-4.4 62% 58	+86 91% 11	+6.1 90% 54	+0.1 89% 47	+0.6 89% 35	-0.7 82% 93	+4.2 92% 13	+0.25 82% 52	+41 86% 3	+1.18 98% 96	+0.98 97% 54	+0.80 83% 5	\$246 12	\$445 3
NJS21S15 USA18636106 QHEJ100	DEVANAH SATURN S15 ^{PV} HBR	+60 74% 61	+5.9 75% 22	+1.2 63% 72	-7.5 93% 12	+3.5 93% 40	+64 91% 8	+110 90% 12	+143 87% 11	+104 84% 48	+27 78% 4	+4.3 84% 4	-7.0 50% 10	+87 79% 9	+8.5 76% 27	-1.0 77% 72	-2.1 77% 80	+0.3 70% 53	+2.2 79% 54	+0.46 67% 74	+17 86% 65	+0.86 83% 54	+0.94 84% 44	+0.86 79% 10	\$261 5	\$429 5
WKGQ202 WKGN129 WGKL21	DIAMOND ONE ALL IN Q202 ^{SV} HBR	-1 70% 95	-7.5 71% 97	-8.7 56% 99	-5.7 94% 31	+8.1 91% 99	+72 90% 1	+125 90% 2	+168 87% 1	+151 83% 4	+23 76% 12	+2.9 79% 24	-5.0 42% 44	+100 76% 2	+10.6 72% 12	-6.1 74% 99	-6.2 74% 99	+1.9 66% 2	-0.3 75% 97	-0.79 60% 1	+34 86% 11	+0.96 61% 74	+0.62 61% 2	+0.88 56% 13	\$215 41	\$374 34
NGCM028 QHEJ134 NGCK204	DULVERTON MEDAGLIA M028 ^{PV} HBR	+69 86% 54	-10.1 73% 99	-3.7 64% 95	-4.5 93% 50	+7.4 91% 98	+70 94% 2	+118 94% 4	+157 94% 3	+153 88% 3	+11 88% 89	+1.1 91% 84	-4.2 55% 63	+82 88% 16	+5.6 86% 60	-1.0 86% 72	-3.8 87% 94	+0.4 78% 47	+2.3 88% 51	-0.78 78% 1	+19 82% 59	+1.12 78% 93	+1.12 79% 83	+1.12 75% 78	\$197 63	\$351 54
CYIR18 QMUM13 CYIM611	EBONY BEEF BILLIE RAY R18 ^{PV} APR	+47 77% 71	+2.9 70% 49	+7.8 64% 9	-3.8 93% 61	+5.4 92% 80	+67 90% 4	+107 90% 15	+129 87% 33	+70 85% 91	+23 79% 12	+2.7 81% 30	-5.9 55% 25	+78 80% 26	+11.3 79% 8	-2.3 80% 91	-1.5 80% 71	+0.7 73% 29	+1.9 81% 61	+0.27 70% 54	-3 87% 99	+1.04 79% 85	+0.86 79% 25	+1.14 76% 82	\$291 1	\$431 5
USA16198796 USA14686137 USA15452880	EF COMPLEMENT 8088 ^{PV} HBR	+39 97% 76	+4.5 99% 34	+7.0 95% 15	-4.6 99% 48	+3.0 99% 29	+53 99% 46	+98 99% 36	+130 99% 31	+100 99% 54	+21 99% 24	+1.4 99% 76	-7.4 92% 7	+76 98% 29	+7.6 98% 36	+1.2 98% 24	+0.6 98% 35	+0.8 97% 24	+1.6 97% 69	+0.61 94% 85	+20 99% 53	+0.92 99% 67	+1.24 99% 95	+1.16 99% 86	\$254 8	\$419 8
WWEL3 HIOG18 WWEJ8	ESSLEMONT LOTTO L3 ^{PV} HBR	+138 95% 12	-5.5 87% 94	-1.4 86% 88	-5.4 99% 36	+4.6 99% 65	+60 99% 16	+110 99% 11	+140 99% 14	+134 98% 11	+15 98% 68	+3.6 98% 11	-9.9 84% 1	+89 97% 7	+14.7 96% 2	-0.5 96% 61	+0.8 97% 32	+1.5 95% 5	+3.8 96% 19	+0.37 92% 65	+15 98% 76	+1.12 98% 93	+1.00 98% 59	+1.14 98% 82	\$297 1	\$478 1
WWEQ24 WWEN12 WWEN7	ESSLEMONT QUOKKA Q24 ^{PV} HBR	+58 89% 63	+6.0 69% 21	+1.4 62% 70	-4.8 95% 45	+1.5 96% 9	+41 94% 90	+82 94% 82	+92 93% 94	+48 89% 99	+18 81% 44	+3.8 91% 8	-7.4 58% 7	+64 90% 65	+17.0 89% 1	+1.4 88% 21	+0.4 89% 38	+2.2 80% 1	+2.2 91% 54	+1.13 84% 99	+30 87% 18	+0.76 81% 33	+0.82 81% 18	+0.92 78% 21	\$273 3	\$400 17
Breed Average EBVs		+76.	+2.2	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+69	+6.5	+0.0	-0.2	+0.4	+2.5	+0.23	+21	+0.84	+0.96	+1.02	+205	+351

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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		
WWE21S6	ESBLEMONT SEAN S6 ^{PV}	+108	+5.7	+7.6	-6.0	+2.7	+57	+101	+113	+86	+14	+4.3	-6.4	+78	+17.1	+2.4	+1.0	+1.2	+3.8	+1.08	+27	+1.08	+1.20	+1.12	\$297	\$462		
NGMN418	HBR	78%	69%	63%	94%	91%	91%	90%	89%	86%	79%	82%	53%	81%	78%	79%	79%	72%	81%	71%	89%	68%	68%	66%				
WWEN7		27	24	10	27	24	27	29	67	75	72	4	17	24	1	9	29	10	19	99	26	89	92	78	1	1		
USA18217198	G A R ASHLAND ^{PV}	+84	+2.5	+4.2	-6.0	+3.2	+66	+115	+146	+119	+16	+1.4	-3.5	+88	+12.6	-2.5	-2.0	+1.1	+2.7	+0.07	+11	+1.22	+1.12	+0.86	\$265	\$432		
USA17354178	HBR	95%	96%	88%	99%	99%	99%	99%	99%	98%	98%	99%	79%	97%	96%	96%	96%	95%	96%	89%	99%	99%	99%	98%				
USA16934264		43	53	42	27	33	5	6	9	25	61	76	78	8	5	93	78	13	42	33	87	98	83	10	4	5		
USA16295688	G A R PROPHET ^{SV}	+117	+3.5	+6.3	-0.7	+3.7	+67	+108	+133	+85	+23	+0.7	-4.7	+72	+3.8	-0.3	-1.5	-0.9	+4.7	+0.81	+27	+1.02	+0.82	+0.92	\$262	\$407		
USA13009379	HBR	97%	98%	94%	99%	99%	99%	99%	99%	99%	99%	99%	91%	98%	97%	98%	98%	97%	97%	94%	99%	99%	99%	98%				
USA15129456		22	44	20	94	45	4	15	24	77	14	92	51	40	80	57	71	96	8	94	28	83	18	21	5	13		
USA17328461	G A R SURE FIRE ^{SV}	+134	+6.1	+2.1	-3.0	+2.3	+50	+90	+113	+85	+21	+4.1	-7.3	+64	+8.0	-0.3	-0.6	+0.9	+3.4	-0.13	+26	+1.18	+0.92	+0.62	\$250	\$402		
USA16205036	HBR	95%	95%	87%	99%	99%	98%	98%	98%	97%	98%	98%	81%	97%	96%	96%	96%	95%	96%	90%	97%	99%	99%	93%				
USA16431932		14	20	64	73	18	60	61	67	76	25	5	8	63	32	57	56	20	26	16	32	96	39	1	10	15		
USA18690054	GB FIREBALL 672 ^{PV}	+173	+2.1	+6.2	-4.8	+2.6	+61	+99	+131	+122	+17	+2.7	-7.9	+79	+14.6	-2.7	-4.3	+0.9	+5.4	+0.61	+13	+1.06	+0.94	+0.80	\$281	\$460		
USA17965471	HBR	92%	95%	85%	99%	99%	99%	99%	99%	98%	97%	98%	70%	96%	94%	94%	94%	91%	94%	86%	98%	99%	99%	98%				
USA18054344		4	56	21	45	22	13	34	28	22	51	30	4	23	2	94	96	20	4	85	82	87	44	5	2	1		
QBGH221	GLENOCH HINMAN H221 ^{SV}	+152	+6.6	-3.0	-3.0	+3.0	+53	+94	+126	+113	+19	+1.0	-3.1	+85	+6.9	-2.3	-5.0	+0.8	+5.3	-0.35	+10	+0.82	+0.78	+1.04	\$209	\$355		
BNAD145	HBR	90%	73%	69%	97%	97%	96%	96%	96%	92%	94%	95%	70%	92%	91%	91%	92%	88%	92%	85%	86%	89%	89%	85%				
QBGD80		8	16	93	73	29	43	49	38	33	33	86	84	12	44	91	98	24	4	6	89	46	12	55	48	51		
DKKM41	HARDHAT H708 MAIMURU J51	+188	-1.2	+2.9	-1.6	+2.3	+42	+91	+117	+97	+11	+1.3	-3.1	+62	+1.7	+0.9	-2.0	-0.6	+6.4	+0.04	+25	+1.08	+1.02	+1.10	\$179	\$311		
NORH708	APR	90%	71%	63%	95%	94%	92%	91%	91%	87%	84%	86%	65%	90%	89%	88%	89%	81%	91%	84%	88%	89%	90%	86%				
DKKJ51		3	80	56	89	18	87	57	58	58	90	79	84	70	93	30	78	91	1	30	35	89	63	73	79	81		
DKKN43	HARDHAT K522 NEBRASKA	+16	+7.1	+6.2	-9.5	+2.2	+58	+99	+134	+124	+14	+5.1	-7.5	+69	+2.7	+0.5	+0.1	-0.4	+0.4	+0.14	+14	+0.78	+0.82	+0.88	\$198	\$383		
NORK522	HBR	88%	79%	69%	94%	95%	94%	93%	91%	90%	88%	89%	59%	89%	87%	87%	88%	80%	90%	82%	92%	91%	91%	86%				
NKLF143		89	13	21	3	16	23	34	23	19	76	1	6	49	88	38	44	86	92	40	78	37	18	13	61	28		
NHZP434	HAZELDEAN P434 ^{SV}	+39	+8.3	+5.6	-7.2	+1.7	+46	+86	+114	+95	+18	+2.7	-7.7	+70	+2.9	+0.5	-3.8	+0.9	+1.8	+0.69	+45	+0.58	+0.94	+1.06	\$204	\$360		
NHZJ140	APR	89%	79%	66%	97%	96%	95%	95%	95%	90%	85%	93%	62%	90%	88%	88%	89%	81%	90%	83%	92%	89%	89%	84%				
NHZL527		77	7	27	14	11	77	71	65	61	40	30	5	46	87	38	94	20	64	89	2	8	44	62	55	46		
NHZQ1229	HAZELDEAN Q1229 ^{PV}	+122	+1.2	+5.1	-3.5	+4.0	+57	+102	+126	+80	+20	+4.6	-7.3	+79	+11.6	+0.0	-2.7	+0.4	+4.0	+0.94	+28	+0.64	+1.00	+0.94	\$272	\$420		
NHZF1023	APR	89%	80%	66%	98%	98%	97%	97%	96%	89%	81%	96%	62%	90%	90%	89%	90%	81%	91%	83%	97%	94%	94%	91%				
NHZJ823		19	64	32	66	52	28	26	39	83	30	3	8	23	7	50	86	47	16	97	25	14	59	25	3	8		
NHZQ319	HAZELDEAN Q319 ^{PV}	+141	+3.9	+9.3	-8.7	+2.5	+54	+105	+142	+140	+17	+3.2	-10.2	+81	+2.4	+2.7	+1.1	-1.0	+4.9	+0.59	+31	+0.80	+0.98	+1.08	\$251	\$460		
NHZM586	APR	90%	79%	64%	98%	98%	96%	96%	95%	89%	81%	95%	64%	91%	89%	89%	90%	81%	91%	82%	96%	92%	92%	88%				
NHZL1175		11	40	3	5	21	38	19	12	8	54	17	1	18	90	7	27	97	7	84	16	41	54	68	9	1		
NHZR1561	HAZELDEAN RONALDO R1561 ^{PV}	+123	-7.1	+4.8	-5.7	+6.2	+66	+111	+146	+148	+9	+0.8	-3.9	+73	+3.9	-0.7	-1.3	-0.3	+3.9	+0.48	+15	+0.70	+0.84	+0.96	\$202	\$364		
NORL519	HBR	77%	78%	69%	97%	96%	95%	95%	92%	87%	80%	93%	59%	82%	80%	80%	81%	75%	82%	71%	94%	86%	86%	81%				
NHZJ115		19	96	35	31	91	5	10	9	5	95	90	70	38	79	66	68	83	18	76	74	22	21	31	57	43		
VMIC31	INNESDALE CARBINE C31 ^{SV}	+5	+0.5	-4.7	-1.4	+5.4	+37	+63	+81	+87	+18	+0.6	-5.2	+35	+3.3	-0.2	-0.9	+1.1	+0.7	+0.34	+6	+0.68	+0.98	+1.04	\$129	\$237		
USA14739204	HBR	90%	86%	78%	95%	97%	96%	96%	95%	94%	94%	93%	68%	92%	91%	91%	92%	86%	92%	84%	91%	82%	82%	77%				
VMIU102		93	69	96	90	80	96	99	98	74	41	93	39	99	84	54	61	13	87	62	95	19	54	55	98	98		
Breed Average EBVs			+76.	+2.2	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+69	+6.5	+0.0	-0.2	+0.4	+2.5	+0.23	+21	+0.84	+0.96	+1.02	+205	+351	

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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	
NZE13300018 WWEL3 NZE13300116373	KAKAHU PIVOTAL 18004 ^{PV} HBR	+176 88% 4	+4.5 74% 34	+2.6 67% 59	-7.1 96% 15	+3.9 96% 49	+56 95% 31	+102 95% 25	+122 95% 46	+67 90% 93	+28 84% 2	+3.6 93% 11	-8.7 64% 2	+84 89% 13	+9.4 89% 19	+1.0 88% 28	+1.6 89% 21	+0.3 82% 53	+4.4 90% 11	+0.60 81% 84	+0 91% 99	+0.68 88% 19	+0.90 88% 34	+1.10 83% 73	\$308 1	\$457 2	
GXNQ209 USA18463791 VLYL1327	KELLY ANGUS QUINN Q209 ^{SV} HBR	+45 75% 72	+8.2 75% 7	+10.0 62% 2	-7.0 95% 16	+2.1 95% 15	+65 92% 6	+118 93% 4	+143 90% 11	+119 86% 25	+29 78% 2	+0.6 82% 93	-9.5 50% 1	+92 80% 5	+6.1 80% 54	-1.8 81% 86	-3.2 81% 90	+0.4 74% 47	+2.3 81% 51	-0.22 66% 11	+37 86% 7	+1.30 77% 99	+1.24 76% 95	+1.28 71% 98	\$290 1	\$488 1	
NDIP481 USA17354145 NDIL236	KENNY'S CREEK PINNACLE P481 HBR	+162 89% 6	+1.9 81% 58	-1.0 71% 86	-3.7 98% 63	+3.1 98% 31	+48 97% 67	+87 97% 68	+116 97% 61	+65 92% 94	+20 87% 28	+0.4 95% 95	-3.0 63% 86	+78 91% 25	+4.1 90% 77	+1.5 90% 20	+1.6 90% 21	-1.5 83% 99	+6.3 91% 1	+1.26 83% 99	+17 90% 65	+0.96 92% 74	+0.96 92% 49	+0.84 89% 8	\$209 49	\$318 78	
KILK18 USA16417285 USA15107929	KILLAIN ALASKA K18 ^{PV} HBR	-28 86% 99	-10.6 75% 99	-5.3 64% 97	-0.9 90% 93	+7.1 89% 96	+66 89% 5	+122 88% 3	+163 89% 2	+170 86% 1	+15 84% 65	+3.8 83% 8	-2.3 52% 93	+84 85% 14	+6.2 85% 53	-3.1 85% 96	-5.1 86% 98	+1.0 82% 16	-1.2 88% 99	-0.68 77% 1	+36 80% 8	+1.10 77% 91	+0.76 77% 10	+0.98 66% 37	\$124 98	\$282 91	
KILP1 USA18578965 KILM9	KILLAIN RAINMAN P1 ^{PV} HBR	-36 86% 99	-5.1 76% 93	-6.4 63% 98	-7.0 95% 16	+4.5 93% 63	+58 92% 23	+103 91% 24	+128 91% 34	+122 87% 22	+12 82% 87	+3.1 82% 19	-2.4 52% 92	+75 87% 31	+13.8 86% 3	-2.5 86% 93	-1.4 87% 70	+2.3 78% 1	-1.8 89% 99	+0.33 77% 61	+4 86% 97	+0.94 78% 70	+0.96 78% 49	+1.06 67% 62	\$174 82	\$308 82	
BLAP130 SRKK306 BLAK113	KNOWLA PACKER P130 ^{PV} HBR	+51 85% 68	+2.2 68% 56	+1.3 62% 71	-2.8 93% 76	+4.8 92% 70	+56 90% 30	+102 89% 27	+134 90% 23	+112 86% 34	+12 79% 87	+1.1 86% 84	-5.9 55% 25	+78 86% 24	+8.4 84% 28	-0.2 84% 54	-1.1 85% 65	+0.9 77% 20	+1.8 87% 64	+0.17 78% 43	+26 84% 30	+0.80 81% 41	+1.18 81% 90	+0.94 77% 25	\$236 20	\$395 19	
BLAR190 BLAN127 BLAP172	KNOWLA REVOLUTION R190 ^{PV} HBR	+158 74% 7	+11.0 69% 1	+6.1 57% 22	-11.5 96% 1	+0.5 95% 3	+39 92% 93	+79 90% 87	+103 85% 84	+66 78% 93	+24 78% 8	+2.7 88% 30	-3.0 47% 86	+55 79% 84	+14.6 78% 2	+4.5 79% 1	+3.3 79% 7	+0.0 72% 70	+4.7 79% 8	+0.80 65% 94	+42 89% 3	+0.74 84% 29	+1.02 84% 63	+1.00 81% 43	\$215 42	\$340 63	
BLA21S48 USA18837398 BLAL21	KNOWLA SO RIGHT S48 ^{PV} HBR	+134 78% 14	+4.7 81% 32	-1.9 62% 89	-5.1 99% 40	+3.2 98% 33	+56 98% 31	+100 97% 31	+129 97% 31	+112 88% 34	+15 79% 69	+2.8 96% 27	-5.5 51% 33	+79 82% 22	+7.8 85% 34	+1.1 84% 26	+1.4 84% 23	-0.3 78% 83	+4.0 84% 16	+0.44 67% 72	+33 98% 12	+0.84 94% 50	+1.06 94% 72	+1.04 92% 55	\$232 23	\$395 20	
NZCP117 USA17960722 NZCM67	KO B074 BEAST MODE P117 ^{PV} HBR	+145 80% 10	+1.8 81% 59	+6.1 70% 22	-5.2 98% 39	+1.7 98% 11	+59 96% 18	+101 97% 30	+125 95% 41	+114 93% 32	+10 87% 94	+2.1 92% 51	-5.1 59% 41	+63 84% 68	+1.9 86% 92	+1.3 86% 23	+0.4 86% 38	-1.1 81% 98	+4.3 85% 12	+0.62 71% 86	+14 91% 77	+0.62 89% 12	+0.50 89% 1	+0.72 85% 2	\$214 42	\$377 32	
VLYL483 HKFJ5 VLYH221	LAWSONS LINKEDIN L483 ^{SV} HBR	+57 90% 63	+4.1 72% 38	-7.0 71% 99	-1.1 98% 92	+4.1 98% 54	+58 97% 22	+109 97% 12	+153 97% 5	+140 95% 8	+25 95% 7	+4.0 94% 6	-5.1 68% 41	+103 93% 1	+8.9 89% 23	-1.4 88% 80	+2.3 91% 13	+0.2 84% 59	+2.0 91% 59	-0.18 82% 13	+19 89% 59	+1.06 85% 87	+0.80 85% 15	+0.86 81% 10	\$216 40	\$391 22	
VLYQ44 VLYM518 VLYK914	LAWSONS MIRACULOUS Q44 ^{PV} HBR	+98 88% 34	+5.2 79% 28	-1.3 68% 87	-7.6 97% 11	+3.6 96% 42	+49 94% 62	+90 94% 60	+107 93% 78	+100 90% 53	+13 87% 82	+3.0 91% 22	-4.1 61% 65	+41 89% 98	+18.6 88% 1	-0.3 88% 57	+0.2 88% 42	+1.9 80% 2	+1.9 90% 61	+0.29 81% 57	+36 85% 7	+0.96 85% 74	+0.94 85% 44	+1.00 81% 43	\$229 26	\$377 32	
VLYM518 USA17354145 VLYH229	LAWSONS MOMENTOUS M518 HBR	+195 95% 2	-1.4 97% 81	-0.4 91% 83	-5.2 99% 39	+3.9 99% 49	+50 99% 57	+93 99% 53	+115 99% 64	+82 98% 80	+23 98% 13	+2.7 99% 30	-3.2 83% 83	+51 97% 90	+11.7 96% 7	-1.2 97% 76	+0.1 97% 44	+0.3 95% 53	+5.8 96% 2	+0.76 91% 92	+36 99% 7	+0.86 99% 54	+0.98 99% 54	+1.16 99% 86	\$231 24	\$353 53	
VLYP316 USA16295688 VLYM527	LAWSONS PROPHET P316 ^{PV} HBR	+154 86% 8	+4.9 80% 31	+5.5 72% 28	-2.0 93% 85	+3.5 96% 40	+57 95% 27	+88 94% 68	+106 92% 80	+66 92% 93	+15 88% 64	+0.2 91% 97	-3.8 63% 72	+67 88% 56	+12.2 86% 6	-3.2 86% 97	-3.3 87% 91	+1.4 79% 6	+4.1 88% 15	+0.35 79% 63	+30 93% 19	+0.70 91% 22	+0.76 91% 10	+0.82 87% 6	\$267 4	\$390 22	
Breed Average EBVs		+76.	+2.2	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+69	+6.5	+0.0	-0.2	+0.4	+2.5	+0.23	+21	+0.84	+0.96	+1.02	+205	+351	

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Breed Average EBVs

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Breed Average EBVs

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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		
NORQ213	RENNYLEA Q213 ^{PV}	+44	+9.1	+7.6	-7.4	+0.8	+63	+117	+148	+92	+24	+0.5	-10.0	+100	+8.6	+0.8	+0.1	+0.1	+3.3	+0.74	+28	+0.50	+0.70	+0.86	\$331	\$514		
NORK907	APR	87%	84%	70%	98%	98%	97%	97%	97%	94%	90%	96%	62%	91%	89%	89%	90%	83%	90%	81%	97%	95%	95%	92%				
NORL110		73	4	10	12	5	10	5	7	67	9	94	1	2	26	32	44	65	28	91	25	3	5	10	1	1		
NORR992	RENNYLEA R992 ^{PV}	+192	+4.8	+8.0	+1.9	+1.2	+44	+84	+115	+85	+26	+1.7	-6.4	+68	+11.5	+1.7	+2.2	-0.2	+6.5	+1.13	+24	+0.58	+0.82	+0.84	\$258	\$410		
NORN542	APR	77%	69%	61%	95%	95%	94%	94%	93%	91%	84%	91%	53%	82%	81%	81%	81%	75%	82%	68%	92%	84%	84%	78%				
NORM1034		2	31	8	99	7	83	77	63	76	6	66	17	54	8	17	14	79	1	99	37	8	18	8	7	12		
TRHP52	RICHMOND HILL PLAY P52 ^{SV}	+140	+5.4	+4.0	+0.1	+4.0	+53	+93	+117	+122	+9	+4.3	-6.0	+74	+11.4	-4.9	-2.7	+1.5	+3.1	-0.30	+33	+1.04	+1.02	+0.98	\$230	\$405		
TRHL9	HBR	90%	73%	61%	93%	94%	93%	92%	92%	86%	80%	80%	54%	90%	89%	88%	89%	78%	91%	84%	88%	88%	88%	84%				
TRHH92		12	26	44	97	52	43	50	59	22	95	4	23	34	8	99	86	5	32	8	13	85	63	37	25	14		
NZE14572019	RISSINGTON SOVEREIGN Q485	+184	+11.2	+9.5	-7.5	+0.6	+62	+114	+155	+122	+20	+2.4	-4.8	+91	+9.0	-1.1	-3.4	-0.1	+6.7	+0.77	-4	+0.86	+0.90	+1.14	\$277	\$464		
HKFM103	HBR	77%	82%	61%	99%	98%	98%	97%	96%	88%	78%	94%	50%	81%	85%	83%	83%	77%	83%	75%	98%	94%	94%	92%				
NZE14572117009		3	1	3	12	4	11	7	4	22	27	40	49	6	22	74	92	75	1	93	99	54	34	82	2	1		
NZE21159019	SEVEN HILLS 312/19 ^{PV}	+103	+2.6	+5.7	-7.7	+3.4	+51	+93	+123	+92	+22	-0.9	-2.7	+76	+9.9	-3.4	-3.8	+0.9	+3.9	+1.19	+9	+1.00	+0.94	+1.04	\$221	\$353		
USA18217198	HBR	88%	73%	65%	93%	92%	91%	90%	91%	87%	80%	82%	57%	87%	87%	87%	88%	79%	89%	81%	88%	86%	87%	81%				
NZE21159117053		30	52	26	10	38	51	51	44	66	17	99	89	29	16	98	94	20	18	99	91	80	44	55	35	52		
APBK11	SHACORRAHDALU KINETIC K11	+104	+9.9	+10.3	-9.1	+0.3	+49	+88	+105	+95	+10	+4.7	-6.8	+65	+10.5	+3.8	+2.7	+0.5	+2.3	+0.92	+2	+0.98	+1.22	+1.06	\$238	\$408		
VTMB1	HBR	84%	78%	71%	93%	92%	91%	91%	91%	89%	85%	86%	65%	86%	84%	84%	85%	78%	86%	78%	86%	84%	83%	80%				
APBF2		30	2	1	4	3	63	67	81	61	93	2	12	62	12	3	10	41	51	97	98	77	94	62	18	12		
APB21S24	SHACORRAHDALU PHOENIX	+37	+9.0	+6.3	-8.0	-0.7	+56	+103	+134	+83	+25	+3.1	-8.6	+93	+5.3	+2.8	+4.8	-0.3	+1.9	+0.98	+14	+0.96	+1.12	+1.08	\$280	\$447		
USA18636106	HBR	76%	75%	66%	93%	91%	90%	90%	88%	85%	80%	84%	54%	80%	78%	79%	79%	72%	80%	70%	86%	77%	77%	72%				
APBJ23		78	5	20	8	1	29	24	23	79	7	19	2	5	64	7	2	83	61	98	78	74	83	68	2	2		
APBR5	SHACORRAHDALU ROYALE R5	+28	+7.7	+8.5	-6.6	+2.3	+48	+91	+113	+65	+24	+2.2	-6.6	+67	+6.0	+4.1	+5.3	-0.2	+1.6	+0.99	+11	+0.86	+1.02	+0.74	\$247	\$390		
TFAK132	HBR	87%	77%	66%	93%	94%	92%	91%	91%	88%	80%	87%	60%	88%	86%	86%	87%	78%	89%	80%	88%	89%	88%	83%				
HBUP80		83	10	6	20	18	70	58	67	94	10	47	14	56	55	2	2	79	69	98	87	54	63	2	12	22		
SYAN340	STONEY POINT NOLTE N340 ^{SV}	+89	-1.6	-8.4	-6.3	+6.0	+72	+128	+165	+155	+15	+3.5	-3.1	+106	+5.8	-3.1	-5.2	+0.7	+3.0	-0.15	+6	+0.96	+0.90	+1.16	\$220	\$392		
SYAL178	HBR	86%	79%	68%	96%	96%	96%	96%	96%	94%	90%	93%	59%	89%	87%	87%	88%	79%	89%	77%	88%	89%	90%	84%				
SGMK250		40	82	99	23	88	2	1	1	3	64	12	84	1	58	96	98	29	35	15	95	74	34	86	36	21		
SYAP147	STONEY POINT PERRY P147 ^{PV}	+125	+4.5	+0.9	-4.7	+4.7	+56	+103	+133	+109	+21	+1.6	-7.4	+97	+9.9	-1.3	-0.3	+0.4	+3.8	-0.26	+6	+0.84	+0.76	+0.64	\$266	\$434		
USA17936442	HBR	88%	75%	62%	93%	93%	92%	91%	92%	87%	81%	87%	57%	89%	87%	87%	88%	78%	90%	80%	88%	86%	87%	79%				
SWAH233		18	34	74	47	68	29	24	25	39	23	70	7	3	16	78	51	47	19	9	95	50	10	1	4	4		
NZE19507018	STORTH OAKS FULLY LOADED	+115	+8.2	+6.1	-11.5	+1.2	+44	+87	+133	+134	+22	+3.2	-7.5	+65	+3.4	+0.9	+0.3	-0.6	+4.0	+0.87	+32	+0.54	+0.74	+1.06	\$187	\$374		
NORL508	HBR	89%	76%	66%	97%	97%	96%	96%	96%	91%	86%	94%	61%	90%	89%	88%	89%	81%	90%	83%	94%	89%	89%	85%				
NZE19507113J320		23	7	22	1	7	83	68	25	11	19	17	6	62	83	30	40	91	16	96	14	5	8	62	72	35		
NZE19507013	STORTH OAKS JACK J7 ^{SV}	+55	+6.2	+8.1	-4.8	+4.4	+61	+113	+151	+143	+17	+3.5	-1.8	+79	+8.1	-0.3	-3.2	-0.3	+2.5	+0.10	+20	+1.02	+0.98	+0.92	\$184	\$368		
VTME343	HBR	92%	89%	80%	98%	98%	97%	97%	97%	95%	95%	96%	71%	94%	93%	93%	93%	90%	94%	87%	96%	93%	93%	90%				
NZE19507111G183		65	19	8	45	61	14	7	6	6	49	12	96	23	31	57	90	83	46	36	52	83	54	21	75	40		
VSNG34	STRATHEWEN BERKLEY G34 ^{PV}	+77	+7.8	+8.1	-6.6	+3.6	+57	+107	+142	+148	+18	+2.2	-7.4	+84	+6.4	+1.0	+0.3	+0.2	+2.1	-0.09	+29	+1.06	+1.24	+1.10	\$230	\$436		
VTMB1	HBR	90%	81%	74%	96%	94%	93%	93%	93%	91%	90%	88%	69%	91%	90%	89%	90%	86%	91%	85%	89%	88%	88%	85%				
VSNE22		48	9	8	20	42	25	15	12	5	45	47	7	14	50	28	40	59	56	19	20	87	95	73	25	4		
Breed Average EBVs		+76.	+2.2	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+69	+6.5	+0.0	-0.2	+0.4	+2.5	+0.23	+21	+0.84	+0.96	+1.02	+205	+351		

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Ident	Name																											
Sire	Dam	Reg.	MSA	MBL	Calv-Ease		Birth		Growth			Maternal		Fert		Carcase						Feed	Temp	Structural			Selection Index	
			RBV	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	
USA17236055	SYDGEN BLACK PEARL 2006 ^{PV}		+119	+2.2	+7.3	-7.0	+3.2	+51	+85	+123	+87	+21	+1.5	-3.4	+74	+8.3	+0.4	-0.5	+0.4	+2.9	+0.28	+16	+1.04	+1.18	+1.14	\$210	\$340	
USA15354674	HBR		96%	98%	93%	99%	99%	99%	99%	99%	98%	99%	99%	89%	98%	97%	97%	97%	96%	97%	92%	99%	99%	99%	98%			
USA16214508			21	56	12	16	33	51	74	45	73	23	73	80	35	29	40	54	47	37	56	72	85	90	82	48	63	
VTMK52	TE MANIA KALIBROOK K52 ^{PV}		+133	+7.5	+5.5	-3.2	+1.4	+52	+103	+129	+102	+29	+1.7	-5.9	+74	+4.1	+1.0	+1.7	-0.7	+5.5	+1.43	+7	+1.22	+1.12	+1.18	\$247	\$414	
USA16295688	HBR		87%	78%	70%	94%	95%	92%	92%	91%	88%	84%	88%	66%	88%	86%	85%	87%	83%	89%	80%	87%	90%	90%	87%			
VTMH423			14	11	28	71	8	51	25	32	50	2	66	25	35	77	28	20	93	3	99	93	98	83	89	11	10	
VTMK138	TE MANIA KIRBY K138 ^{PV}		+253	+0.6	+7.9	-1.3	+4.7	+52	+89	+117	+95	+19	+2.5	-7.8	+65	+5.5	+1.8	+3.1	-2.0	+8.5	+0.91	+15	+0.78	+0.76	+0.94	\$253	\$410	
USA16295688	HBR		96%	88%	81%	99%	99%	98%	98%	98%	98%	98%	98%	84%	97%	97%	96%	97%	95%	96%	90%	99%	99%	99%	99%			
VTMH17			1	68	9	91	68	49	65	59	62	35	36	5	61	62	16	8	99	1	96	74	37	10	25	8	12	
VTMN424	TE MANIA NEBO N424 ^{PV}		+163	+9.0	-1.0	-6.6	+4.1	+54	+101	+134	+102	+28	+4.4	-5.0	+54	+6.8	-0.7	-4.0	+0.3	+4.0	-0.03	+47	+0.92	+0.86	+0.94	\$218	\$368	
VTMJ89	HBR		96%	91%	84%	99%	98%	98%	98%	98%	97%	97%	97%	74%	97%	96%	96%	96%	91%	95%	86%	98%	98%	98%	98%			
VTMJ214			6	5	86	20	54	39	27	23	51	3	4	44	87	45	66	95	53	16	24	1	67	25	25	38	39	
VTMN1387	TE MANIA NEON N1387 ^{SV}		+312	+1.4	+2.4	-6.5	+3.5	+46	+83	+105	+92	+19	+1.2	-6.1	+39	+3.3	-0.1	-0.6	-2.2	+10.	-0.32	+25	+0.72	+0.80	+0.92	\$212	\$352	
VTMK138	HBR		94%	82%	74%	98%	98%	98%	98%	97%	96%	93%	96%	67%	95%	94%	93%	95%	86%	94%	87%	98%	97%	97%	96%			
VTML452			1	62	61	21	40	75	78	81	67	35	82	21	98	84	52	56	99	1	7	34	26	15	21	45	53	
VTMP888	TE MANIA PESO P888 ^{PV}		+47	+7.3	+6.1	-5.2	+2.2	+57	+114	+146	+118	+25	+2.4	-7.3	+91	+6.8	-0.4	+1.3	+0.5	+1.6	-0.15	+23	+0.84	+1.08	+1.00	\$262	\$450	
VTMK226	HBR		94%	81%	75%	98%	98%	97%	97%	97%	96%	94%	94%	71%	95%	94%	94%	95%	87%	93%	85%	96%	95%	96%	94%			
VTMH423			71	12	22	39	16	26	7	9	26	7	40	8	6	45	59	25	41	69	15	43	50	76	43	5	2	
VTMQ854	TE MANIA QUEBEC Q854 ^{SV}		+46	+8.6	+1.6	-2.4	+1.5	+55	+96	+124	+86	+27	+1.2	-4.4	+72	+3.5	+1.9	-0.4	-0.3	+3.1	+0.46	+33	+0.62	+0.76	+0.74	\$218	\$356	
USA18229488	HBR		94%	86%	75%	98%	98%	97%	97%	97%	95%	91%	96%	62%	95%	94%	93%	94%	84%	94%	86%	97%	98%	98%	97%			
VTML1244			72	6	69	81	9	35	43	43	76	3	82	58	41	83	14	53	83	32	74	13	12	10	2	38	50	
VTMR970	TE MANIA RESOLUTION R970 ^{PV}		+78	+2.7	+5.0	-5.1	+3.5	+57	+108	+137	+104	+25	+2.0	-6.1	+79	+8.6	+0.1	-0.4	+0.6	+2.6	-0.18	+25	+0.78	+0.90	+1.18	\$258	\$421	
VTMP149	HBR		74%	75%	61%	96%	96%	94%	92%	90%	86%	78%	83%	48%	79%	78%	78%	79%	72%	79%	66%	92%	83%	83%	79%			
VTMP287			48	51	33	40	40	26	14	18	47	8	55	21	22	26	47	53	35	44	13	32	37	34	89	6	8	
DXTR725	TEXAS ICEMAN R725 ^{PV}		+58	-0.8	+3.0	-3.7	+3.8	+53	+99	+125	+103	+13	+2.1	-2.7	+75	+12.0	+2.7	+4.5	+0.3	+1.6	+0.06	+40	+1.28	+0.92	+0.60	\$211	\$353	
USA18962396	HBR		78%	83%	66%	98%	98%	97%	97%	97%	89%	84%	96%	54%	84%	85%	84%	84%	79%	84%	68%	96%	89%	89%	86%			
DXTH647			62	77	55	63	47	45	34	39	48	83	51	89	32	6	7	3	53	69	32	4	99	39	1	46	52	
DXTM100	TEXAS MT KAPUTAR M100 ^{PV}		+99	+5.2	+7.2	-9.9	+4.7	+61	+106	+145	+139	+14	+3.7	-3.2	+82	+5.0	-2.5	-3.8	+0.2	+2.1	+0.28	+34	+0.96	+1.16	+0.98	\$188	\$368	
USA15848590	HBR		87%	82%	71%	97%	96%	95%	95%	94%	90%	91%	92%	64%	90%	88%	88%	89%	83%	89%	81%	93%	85%	85%	81%			
DXTZ183			33	28	13	2	68	14	18	10	8	74	9	83	16	68	93	94	59	56	56	11	74	88	37	71	40	
DBLL292	TOPBOS LEADING EDGE L292 ^{PV}		+52	+2.6	+8.3	-5.9	+6.6	+73	+125	+164	+150	+23	+1.4	-3.9	+83	+4.0	-2.2	-5.2	+0.0	+1.6	+0.02	+19	+0.94	+0.82	+0.82	\$220	\$408	
USA16295688	HBR		91%	88%	75%	98%	98%	97%	97%	97%	95%	96%	97%	70%	94%	92%	91%	93%	88%	93%	86%	97%	92%	92%	88%			
VSNF04			67	52	7	29	94	1	2	2	4	12	76	70	16	78	90	98	70	69	28	60	70	18	6	35	12	
USA18066037	V A R LEGEND 5019 ^{SV}		+76	-5.9	+4.9	-6.2	+5.0	+69	+121	+148	+159	+7	+2.7	-3.9	+87	+9.4	-3.9	-6.0	+1.4	+1.9	-0.25	+18	+1.06	+0.62	+0.84	\$210	\$388	
USA17262835	HBR		88%	81%	69%	96%	96%	94%	94%	94%	91%	89%	90%	62%	90%	89%	88%	87%	81%	90%	80%	89%	97%	96%	82%			
USA16924432			49	94	34	25	74	3	3	7	2	98	30	70	9	19	99	99	6	61	10	63	87	2	8	47	24	
NZE18954020	WAITANGI R257 ^{PV}		+175	+0.6	+0.9	-6.5	+3.8	+53	+92	+124	+99	+26	+3.2	-8.2	+68	+9.1	-0.1	-0.6	+0.0	+5.4	+1.42	+20	+0.80	+0.68	+0.88	\$257	\$410	
NZE21159016327	HBR		76%	69%	60%	96%	96%	94%	94%	93%	89%	81%	90%	50%	81%	81%	81%	81%	75%	81%	66%	89%	83%	84%	78%			
NZE18954118P105			4	68	74	21	47	44	55	43	55	4	17	3	52	21	52	56	70	4	99	53	41	4	13	7	12	
Breed Average EBVs			+76.	+2.2	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+69	+6.5	+0.0	-0.2	+0.4	+2.5	+0.23	+21	+0.84	+0.96	+1.02	+205	+351	

Angus Australia - MSA Marbling Research Breeding Values

Ident	Name																									
Sire Dam	Reg.	MSA 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
LEJ21S102	WALLAWONG SAFE & SOUND	+144	+6.6	+3.3	-6.3	+4.8	+49	+85	+112	+99	+19	+2.1	-2.3	+64	+6.8	-1.2	-1.2	+0.5	+4.2	+0.34	+13	+0.50	+0.70	+1.10	\$194	\$332
NJWN498	HBR	72%	73%	61%	92%	91%	89%	88%	86%	83%	77%	81%	47%	77%	75%	76%	76%	69%	77%	64%	84%	70%	70%	67%		
ASHL24		10	16	52	23	70	64	75	68	56	38	51	93	64	45	76	66	41	13	62	80	3	5	73	66	69
QKBP29	WARRAWEE PATROL P29 ^{PV}	+53	+7.0	+10.6	-11.8	+3.0	+55	+104	+139	+129	+17	+2.4	-10.3	+100	+9.4	+3.6	+2.1	+0.2	+2.0	+0.63	+31	+0.80	+1.18	+1.00	\$271	\$479
SMPG357	HBR	85%	80%	71%	96%	94%	93%	92%	91%	88%	82%	88%	65%	86%	85%	85%	86%	79%	87%	78%	88%	78%	78%	74%		
QKBM01		66	14	1	1	29	35	21	16	15	48	40	1	2	19	3	15	59	59	86	16	41	90	43	3	1
NWPE111	WATTLETOP SITZ 458N E111 ^{SV}	+116	+4.5	+6.7	-3.7	+2.8	+51	+91	+125	+96	+25	+2.0	-1.4	+83	+5.5	-4.1	-3.5	+0.9	+2.7	-0.53	+26	+0.98	+0.94	+1.12	\$187	\$321
USA14474596	HBR	91%	90%	80%	97%	98%	97%	97%	97%	95%	96%	95%	74%	94%	92%	92%	93%	89%	93%	85%	95%	87%	88%	83%		
NWPC36		22	34	17	63	26	53	57	40	61	7	55	98	14	62	99	92	20	42	3	30	77	44	78	72	76
CWDM5	WEATHERLY MOXY M5 ^{SV}	+52	+3.1	+6.9	-4.3	+4.0	+56	+101	+135	+113	+27	+2.6	-6.7	+92	+7.2	+2.9	-0.2	+0.3	+2.6	+0.29	+21	+0.94	+1.06	+0.98	\$240	\$409
SMPG357	HBR	81%	72%	66%	93%	96%	95%	95%	95%	93%	91%	89%	64%	86%	85%	85%	85%	80%	85%	73%	92%	92%	92%	84%		
CWDJ15		67	47	15	53	52	30	29	21	33	3	33	13	5	41	6	49	53	44	57	48	70	72	37	17	12
Breed Average EBVs		+76.	+2.2	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+69	+6.5	+0.0	-0.2	+0.4	+2.5	+0.23	+21	+0.84	+0.96	+1.02	+205	+351

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