



MSA Marbling

RESEARCH BREEDING VALUES

DECEMBER 2025

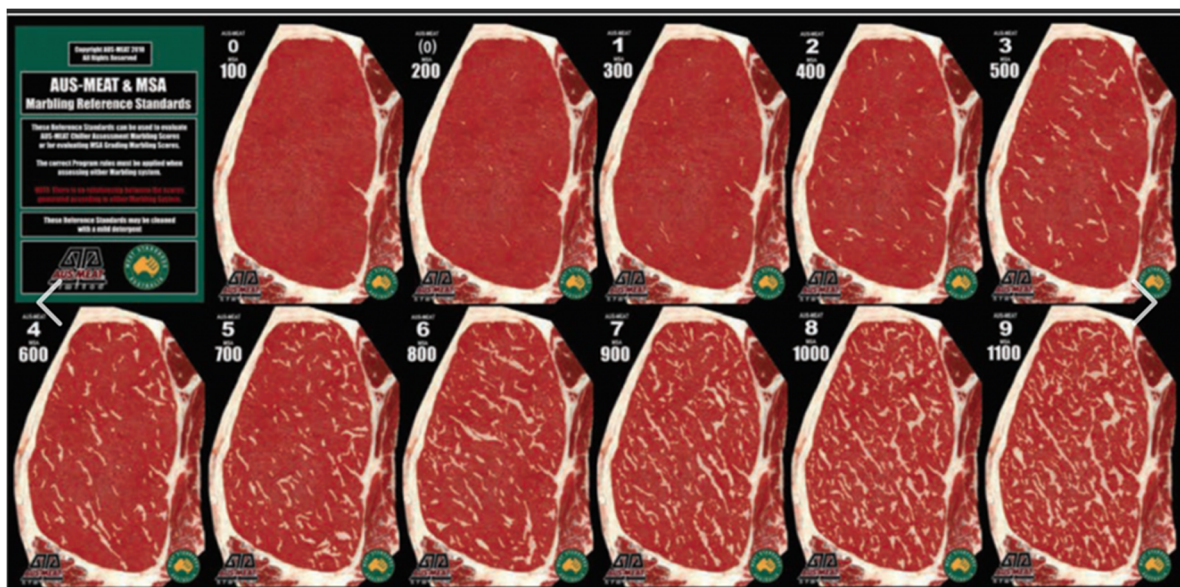
BACKGROUND

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

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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		
QRB22T10	AISTHORPE LM TORNADO T10	+77	+1.1	-2.5	-6.2	+5.0	+56	+100	+128	+108	+16	+3.7	-4.6	+76	+7.8	-0.3	-1.6	+0.9	+1.8	-0.29	+7	+0.80	+0.88	+0.70	\$211	\$357		
USA17328461	HBR	75%	73%	63%	89%	87%	87%	86%	85%	82%	78%	80%	52%	77%	75%	75%	76%	70%	78%	68%	80%	72%	72%	67%				
NBNH88		48	64	91	24	73	29	30	34	41	61	9	53	29	34	56	72	20	64	8	93	42	29	1	46	48		
NXO21S957	AJC S957 ^{PV}	+227	+6.2	+10.0	-5.3	+3.0	+54	+97	+125	+70	+23	+2.5	-8.6	+68	+9.2	+2.7	+1.6	-1.0	+7.9	+0.23	+34	+0.94	+0.94	+0.70	\$312	\$473		
NXOQ654	APR	72%	74%	61%	92%	92%	90%	89%	86%	83%	78%	83%	43%	77%	72%	74%	75%	65%	76%	64%	83%	67%	67%	63%				
NXOP733		1	19	2	37	29	40	38	39	90	13	37	2	50	21	7	21	97	1	50	10	71	43	1	1	1		
ARRR11	ALKIRA RENEGADE R11 ^{PV}	+48	+7.3	+6.0	-4.1	+2.3	+45	+95	+126	+99	+25	+2.3	-7.9	+61	+8.4	+1.9	+1.3	+0.0	+2.0	+0.46	-1	+0.74	+0.78	+0.88	\$226	\$394		
CAN2043806	HBR	75%	68%	59%	96%	95%	92%	93%	93%	86%	78%	86%	51%	79%	80%	80%	80%	74%	81%	83%	89%	87%	87%	81%				
QMUN24		70	12	23	56	18	80	45	39	56	8	44	4	72	28	14	25	70	58	74	99	30	12	13	29	19		
DGJG10	ALLOURA GET CRACKING G10 ^{SV}	+196	+8.0	+7.4	-2.9	+2.7	+44	+74	+87	+86	+12	-0.4	-8.6	+47	+14.4	+1.4	+0.4	+0.9	+5.8	+0.43	+6	+0.50	+0.98	+0.92	\$273	\$429		
VTMB1	HBR	93%	95%	86%	99%	99%	98%	98%	98%	98%	98%	97%	78%	96%	94%	95%	95%	91%	94%	89%	97%	96%	96%	94%				
DGJZ15		2	8	11	74	24	83	93	97	75	85	99	2	94	2	21	39	20	2	72	95	4	53	20	3	6		
DGJQ30	ALLOURA QUINELLA Q30 ^{SV}	+277	+1.6	+0.4	+0.5	+2.9	+53	+97	+117	+122	+14	+3.3	-7.6	+65	+14.0	+0.1	+0.5	+0.8	+7.2	+0.40	+15	+0.90	+1.02	+1.14	\$282	\$459		
WWEL3	HBR	89%	74%	68%	94%	93%	91%	91%	92%	87%	81%	83%	62%	89%	88%	87%	88%	79%	90%	82%	89%	85%	85%	81%				
DGJK117		1	60	77	98	27	44	40	57	22	76	15	6	60	2	47	37	25	1	69	73	63	63	82	2	2		
DGJ21S14	ALLOURA SYNERGY S14 ^{PV}	+76	+5.0	+6.4	-7.4	+2.7	+60	+106	+137	+129	+13	+3.1	-6.9	+83	+7.7	-0.1	-1.8	+0.4	+3.1	+0.64	+22	+1.06	+1.14	+1.00	\$248	\$437		
USA18217198	HBR	75%	75%	65%	93%	91%	90%	88%	86%	84%	78%	81%	52%	78%	75%	76%	77%	68%	78%	68%	87%	76%	76%	73%				
DGJQ02		49	29	19	12	24	17	17	19	15	78	20	11	14	35	51	75	47	32	87	44	88	85	42	11	4		
CGKR232	ALPINE RONALDO R232 ^{PV}	+112	+7.5	+6.6	-5.7	+1.8	+55	+102	+140	+117	+24	+3.1	-5.3	+81	+12.3	-4.1	-3.8	+0.8	+3.5	-0.10	+24	+0.58	+0.76	+1.04	\$239	\$413		
NORN542	HBR	77%	70%	62%	96%	94%	93%	93%	93%	87%	79%	89%	55%	81%	81%	81%	81%	75%	82%	83%	89%	90%	90%	87%				
CGKM152		25	11	17	31	12	34	26	14	28	8	20	36	19	5	99	94	25	24	18	34	8	9	55	17	10		
NAQA241	ARDROSSAN EQUATOR A241 ^{PV}	+39	-1.3	+2.9	-4.4	+4.1	+49	+91	+121	+109	+20	+3.2	-8.8	+84	+7.9	-2.0	-0.3	+1.2	+1.7	+0.67	+24	+0.48	+0.86	+1.00	\$229	\$388		
USA2928	HBR	98%	99%	98%	99%	99%	99%	99%	99%	99%	99%	99%	96%	99%	98%	98%	98%	98%	98%	96%	99%	99%	99%	99%				
NAQW38		76	80	56	51	54	61	57	49	40	28	17	2	13	33	88	51	10	66	89	34	3	25	42	25	23		
NAQQ67	ARDROSSAN NECTAR Q67 ^{PV}	+48	+6.2	+6.7	-10.4	+3.5	+55	+99	+129	+129	+9	+2.8	-6.8	+53	+5.1	+1.7	-0.2	-0.3	+2.5	+0.09	+35	+0.32	+0.80	+1.04	\$212	\$398		
NMMN334	HBR	88%	84%	71%	96%	96%	95%	95%	95%	89%	86%	91%	59%	89%	88%	88%	89%	80%	90%	81%	94%	91%	92%	85%				
NAQL96		70	19	16	1	40	36	33	33	15	94	27	12	87	66	17	49	83	46	35	8	1	14	55	45	17		
QQFH147	ASCOT HALLMARK H147 ^{PV}	+116	-3.2	+2.0	-5.0	+7.0	+60	+110	+152	+137	+15	+3.7	-5.8	+79	-1.4	+0.7	-0.1	-0.9	+3.3	+0.31	+18	+0.48	+0.88	+1.02	\$197	\$365		
VTME343	HBR	94%	96%	89%	99%	99%	98%	98%	98%	98%	98%	98%	80%	96%	95%	96%	96%	94%	95%	90%	97%	95%	95%	94%				
NMMF123		22	88	65	41	96	17	12	5	10	70	9	27	22	99	34	47	96	28	59	60	3	29	49	62	41		
HIOE7	AYRVALE BARTEL E7 ^{PV}	+126	+8.5	+8.9	-4.4	+1.8	+50	+87	+113	+76	+25	+2.6	-9.7	+64	+7.9	-0.4	+0.8	+1.1	+3.5	+0.31	+4	+1.04	+1.00	+1.14	\$294	\$454		
VTMB219	HBR	98%	99%	97%	99%	99%	99%	99%	99%	99%	99%	99%	94%	98%	98%	98%	98%	98%	98%	96%	99%	99%	99%	99%				
BVB32		17	6	4	51	12	60	70	67	86	6	33	1	63	33	58	32	13	24	59	96	85	58	82	1	2		
NBB21S86	BALD BLAIR STIRLING S86 ^{PV}	+102	+5.7	+9.5	-3.6	+2.6	+65	+112	+149	+120	+19	+4.1	-5.5	+95	+5.0	-1.9	-3.3	+0.0	+3.7	-0.07	+3	+0.70	+0.62	+1.06	\$252	\$435		
NMMP15	HBR	77%	80%	68%	96%	96%	94%	94%	94%	88%	80%	89%	57%	81%	81%	81%	81%	76%	82%	81%	93%	91%	91%	88%				
NBBQ25		31	23	2	64	22	6	9	7	25	34	5	32	4	67	86	91	70	21	20	97	23	2	61	9	4		
ECMM114	BANNABY BERKLEY M114 ^{SV}	+104	+4.1	+2.7	-9.8	+4.1	+55	+94	+136	+163	+5	+4.0	-8.7	+65	+2.8	-1.2	-3.7	+0.3	+2.6	+0.04	+17	+0.80	+0.78	+1.10	\$189	\$394		
VTMB1	HBR	86%	79%	71%	95%	94%	92%	92%	93%	88%	85%	88%	66%	87%	86%	86%	87%	80%	88%	80%	85%	87%	88%	84%				
BBAZ107		30	38	58	2	54	33	47	20	2	99	6	2	60	88	76	93	53	43	30	63	42	12	73	69	20		
Breed Average EBVs			+76.	+2.1	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.84	+0.96	+1.02	+205	+350	

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Ident	Name		Performance																									
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		
VONN462 VONJ507 VONK224	BANQUET NUTTELLA N462 ^{PV} HBR	+15 87% 89	-1.6 85% 81	+2.5 70% 60	-3.9 96% 59	+7.2 98% 97	+57 97% 28	+105 97% 19	+144 96% 11	+111 91% 36	+24 90% 9	+3.4 94% 14	-4.7 59% 50	+69 90% 47	+3.4 88% 83	-0.1 88% 51	-1.5 89% 71	+0.1 82% 65	+1.2 90% 78	-0.44 78% 4	+54 96% 1	+0.54 81% 5	+0.94 81% 43	+0.86 75% 10	\$192 67	\$338 63		
NBNN239 USA16956101 NBNH215	BEN NEVIS NEWSFLASH N239 ^{PV} HBR	+30 90% 82	+0.0 86% 72	+3.0 75% 55	-4.2 98% 54	+4.9 98% 71	+59 96% 21	+98 97% 35	+134 97% 23	+116 94% 29	+18 93% 42	+0.8 93% 90	-2.2 64% 94	+83 92% 15	+5.5 91% 61	-2.2 91% 90	+0.1 91% 44	+0.4 85% 47	+1.3 92% 76	+0.22 84% 49	+11 91% 86	+0.94 94% 71	+1.00 93% 58	+0.92 90% 20	\$190 69	\$331 68		
NBNP122 USA17960722 NBNM115	BEN NEVIS PRIME P122 ^{PV} HBR	+153 78% 8	+4.1 79% 38	+7.6 69% 10	+0.2 94% 97	+2.3 95% 18	+55 93% 35	+85 93% 74	+107 94% 77	+72 88% 89	+11 84% 88	+2.9 87% 24	-4.4 59% 57	+58 82% 77	+6.5 83% 49	+1.6 83% 83	+2.6 78% 11	-0.5 83% 89	+4.6 83% 9	+0.46 80% 74	+23 85% 40	+0.74 92% 30	+0.74 92% 8	+0.98 88% 36	\$242 15	\$376 32		
NBNR138 USA17960722 NBNP153	BEN NEVIS RONAN R138 ^{PV} HBR	+34 75% 80	+4.5 76% 34	+6.7 68% 16	-8.3 88% 7	+3.4 90% 38	+73 90% 1	+119 90% 4	+146 90% 9	+136 85% 10	+11 79% 90	+2.3 82% 44	-4.3 56% 60	+78 80% 24	+9.1 77% 21	-1.7 78% 84	-2.6 71% 85	+0.7 79% 30	+1.3 72% 76	+0.07 85% 33	+28 85% 22	+0.74 88% 30	+0.86 84% 25	+0.94 84% 25	\$251 9	\$439 4		
WMYF3 VLYC402 WMYD120	BLACKROCK F3 ^{SV} HBR	+15 88% 90	+4.5 79% 34	+4.9 70% 34	-9.1 95% 4	+2.8 95% 25	+50 94% 59	+86 93% 72	+117 93% 58	+82 90% 79	+15 89% 63	+1.0 91% 86	-2.2 63% 94	+84 89% 13	+7.5 88% 37	-0.2 88% 54	+0.3 89% 40	+0.2 81% 59	+1.8 90% 64	+0.49 81% 77	+25 90% 33	+1.00 87% 80	+1.14 87% 85	+1.10 83% 73	\$191 68	\$318 77		
NGXQ227 VLYM518 NGXN221	BONGONGO BE QUICK Q227 ^{PV} HBR	+191 89% 2	+4.2 74% 37	+2.2 67% 63	-3.7 98% 63	+2.8 97% 25	+51 95% 54	+90 95% 60	+112 94% 68	+67 90% 93	+22 82% 15	+3.6 91% 11	-5.9 63% 25	+63 90% 66	+11.5 90% 8	+0.7 89% 34	+2.9 90% 9	+0.2 82% 59	+5.7 91% 3	+1.04 83% 99	+18 91% 62	+0.64 88% 14	+1.12 88% 83	+1.12 85% 78	\$279 2	\$415 10		
NGXP212 NORL508 NGXL13	BONGONGO P212 ^{PV} HBR	+167 88% 5	+6.9 76% 14	+8.9 68% 4	-6.7 96% 18	+2.3 96% 18	+47 95% 71	+87 95% 70	+102 94% 84	+81 93% 81	+23 86% 14	+3.8 87% 8	-9.2 62% 1	+53 90% 87	+4.2 89% 76	+3.1 89% 5	+5.8 89% 1	-1.1 82% 98	+4.8 90% 7	+0.84 82% 95	+9 86% 89	+0.80 85% 42	+0.86 85% 25	+0.90 81% 16	\$255 7	\$421 8		
NUIF32 NGMC196 NUID96	BONNY BROOKE FALCO F32 ^{SV} HBR	+35 82% 79	-2.9 67% 87	-9.9 55% 99	-0.2 91% 96	+5.9 89% 87	+54 91% 39	+83 89% 78	+110 90% 93	+92 84% 67	+18 78% 44	-0.5 77% 99	-2.1 52% 94	+66 84% 59	-1.7 82% 99	+2.1 82% 82	+1.4 83% 24	-1.2 73% 99	+2.2 82% 53	-0.41 73% 51	+20 85% 54	+0.98 79% 77	+0.92 79% 38	+1.06 74% 61	\$132 97	\$229 98		
HCAQ63 NGMG120 HCAK233	BOONAROO GENIUS Q63 ^{SV} HBR	+100 76% 32	+10.1 78% 2	+4.4 67% 40	-5.6 91% 32	+0.8 95% 5	+48 94% 69	+89 93% 62	+111 90% 71	+96 90% 60	+18 85% 41	+1.6 89% 70	-7.9 52% 4	+64 81% 62	+2.2 79% 91	+2.6 79% 8	+3.7 80% 5	-0.5 73% 89	+3.3 80% 28	-0.42 68% 4	+30 92% 17	+0.74 88% 30	+0.94 89% 43	+1.16 85% 86	\$229 26	\$391 22		
NGME124 NAQA241 NGMB325	BOOROOMOOKA INSPIRED E124 HBR	+42 94% 75	-5.6 97% 94	-0.5 92% 83	-6.0 99% 27	+3.7 99% 44	+45 98% 78	+82 98% 80	+107 98% 77	+104 98% 46	+15 98% 67	+0.9 98% 88	-8.8 84% 2	+83 97% 15	+3.5 96% 82	-0.3 96% 56	+3.7 96% 5	-0.3 95% 83	+2.3 96% 51	+0.98 90% 98	+18 98% 60	+0.80 97% 42	+0.80 97% 14	+0.80 96% 5	\$193 66	\$332 68		
NGM21S267 VTMN549 NGMQ580	BOOROOMOOKA NEWLY S267 HBR	+141 74% 11	+8.0 73% 8	+6.5 63% 18	-7.1 95% 15	+0.7 93% 4	+51 92% 53	+90 92% 60	+118 88% 55	+95 84% 62	+21 79% 21	+2.1 90% 52	-5.1 52% 41	+76 79% 30	+6.1 74% 54	+1.2 75% 24	+1.4 76% 24	+0.1 68% 65	+4.5 77% 10	+0.58 67% 84	+29 90% 20	+0.44 78% 2	+0.64 78% 2	+0.84 75% 8	\$238 18	\$393 20		
NGMN213 NGML201 NGML45	BOOROOMOOKA NORMANDY HBR	+119 87% 21	+11.1 79% 1	+10.4 68% 1	-7.6 95% 11	+1.0 97% 6	+41 96% 94	+73 96% 90	+99 96% 88	+71 94% 90	+22 91% 16	+3.3 94% 15	-9.1 57% 1	+49 90% 92	+3.9 87% 79	-2.8 87% 95	-3.2 88% 90	+1.0 79% 16	+3.3 89% 28	+0.94 80% 97	+30 95% 16	+0.74 94% 30	+0.60 94% 1	+1.02 87% 49	\$230 25	\$377 32		
NGMP96 WWEL3 NGMM566	BOOROOMOOKA PARAGON P96 HBR	+73 92% 52	-3.8 83% 90	+2.6 76% 59	-7.6 99% 11	+3.7 99% 44	+64 98% 8	+120 98% 3	+164 98% 2	+132 97% 13	+29 94% 2	+3.6 98% 11	-7.9 68% 4	+111 94% 1	+13.1 92% 4	-2.8 93% 95	-1.3 92% 68	+1.5 85% 5	+2.3 93% 51	+0.88 88% 96	+31 99% 15	+0.82 98% 46	+0.96 98% 48	+1.06 96% 61	\$287 1	\$467 1		
Breed Average EBVs			+76.	+2.1	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.84	+0.96	+1.02	+205	+350	

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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	RBV	IMF	NFI-F	Doc	Claw	Angle	Leg	\$A	\$A-L			
NGMR49 USA17960722 NGMP361	BOOROOMOOKA RAUDONIKIS HBR	+30 76% 82	+5.0 72% 29	+4.3 66% 41	-5.3 92% 37	+3.7 93% 44	+64 92% 8	+106 92% 17	+131 92% 28	+101 88% 52	+20 80% 30	+3.6 87% 11	-2.8 56% 88	+74 80% 35	+12.6 80% 5	-0.5 80% 61	-2.0 80% 78	+1.2 74% 10	+1.0 80% 82	+0.17 82% 44	+31 89% 15	+1.04 88% 85	+0.82 88% 17	+0.84 84% 8	\$237 19	\$389 23			
SRKK306 NJWG279 TFAD58	BOWMONT KING K306 ^{PV} HBR	+152 92% 8	+0.1 81% 72	-6.6 78% 98	-4.6 97% 48	+4.5 98% 63	+49 97% 63	+78 97% 87	+103 97% 84	+86 95% 75	+2 95% 99	-0.3 96% 99	-4.2 71% 62	+65 94% 60	+14.7 93% 2	-0.4 93% 58	-1.8 93% 75	+1.5 91% 5	+4.7 94% 8	+0.45 87% 73	+25 97% 32	+0.56 94% 7	+0.92 94% 38	+0.70 92% 1	\$234 21	\$350 54			
WLHD19 USA13058662 USA14311946	CHERYLTON STEWIE D19 ^{PV} HBR	+140 94% 12	+3.2 95% 46	+3.3 89% 52	-4.6 98% 48	+3.1 98% 31	+45 98% 78	+89 98% 62	+110 98% 72	+96 97% 60	+19 98% 32	+2.2 98% 48	-7.1 78% 9	+57 96% 81	+4.7 95% 71	-1.6 95% 82	+1.1 95% 28	-0.2 93% 79	+4.1 95% 15	+0.43 89% 72	+15 96% 73	+1.02 95% 83	+1.02 95% 63	+1.04 92% 55	\$220 36	\$373 35			
GTNM6 VTMF734 VSNF15	CHILTERN PARK MOE M6 ^{PV} HBR	+22 93% 86	+5.0 92% 29	+4.0 87% 44	-1.2 99% 91	+3.1 99% 31	+52 99% 51	+99 99% 32	+135 99% 22	+60 98% 82	+31 98% 1	+1.4 99% 76	-5.1 78% 41	+84 96% 14	+6.6 94% 48	-1.1 95% 74	+0.5 95% 37	+0.2 92% 59	+1.8 95% 64	+0.27 88% 55	+39 99% 5	+0.72 99% 26	+1.06 99% 72	+1.08 99% 67	\$235 20	\$376 32			
GTNP9 HKFJ5 GTNK26	CHILTERN PARK PICASSO P9 ^{PV} HBR	+105 87% 29	+8.9 85% 5	+9.5 72% 2	-3.5 99% 66	+1.1 98% 6	+53 98% 43	+100 98% 31	+128 97% 33	+86 93% 75	+25 89% 7	+3.6 97% 11	-8.1 64% 4	+88 90% 8	+6.1 89% 54	-0.5 88% 61	+1.0 89% 29	-0.6 82% 91	+4.0 90% 16	+0.67 79% 89	+30 97% 17	+0.64 95% 14	+0.76 95% 9	+0.82 92% 6	\$264 4	\$433 5			
GTNQ322 USA18636106 GTNL198	CHILTERN PARK QUADRANT HBR	+110 89% 26	+6.6 82% 16	+4.0 70% 44	-2.1 97% 84	+3.6 97% 42	+62 94% 12	+115 96% 6	+145 95% 10	+104 89% 47	+21 81% 23	+4.4 85% 4	-6.3 59% 18	+91 90% 6	+12.9 88% 4	-1.7 88% 84	-1.1 89% 65	+0.6 80% 35	+3.9 91% 17	+0.97 82% 98	+5 87% 95	+1.08 85% 90	+1.12 85% 83	+1.00 81% 42	\$291 1	\$467 1			
QMUM13 USA16295688 QMUG1	CLUNES CROSSING DUSTY M13 HBR	+61 94% 61	+2.3 85% 54	+6.1 82% 22	-6.6 99% 20	+5.3 99% 78	+63 98% 10	+99 98% 34	+116 98% 61	+56 98% 97	+16 98% 56	+0.9 98% 88	-6.9 79% 11	+67 96% 54	+12.5 95% 5	-2.5 95% 93	-3.0 95% 89	+0.9 93% 20	+2.1 95% 56	+0.38 89% 67	+10 98% 88	+0.86 98% 55	+0.86 98% 25	+0.98 97% 36	\$294 1	\$421 7			
NBHF526 USA13346328 NBHD124	CLUNIE RANGE FIRST CLASS HBR	-15 90% 97	-4.7 80% 92	+4.0 70% 46	-4.7 95% 94	+6.7 95% 10	+63 93% 21	+104 93% 23	+134 89% 69	+90 89% 52	+17 84% 63	+1.8 88% 97	-1.5 65% 7	+90 91% 75	+4.3 90% 75	-0.2 89% 54	-1.3 9.0% 68	+0.3 84% 53	+0.0 92% 95	+0.31 85% 59	+12 88% 83	+0.84 88% 51	+1.04 88% 68	+1.20 83% 92	\$182 76	\$295 87			
NBHL348 NZE14647008839 AHWJ81	CLUNIE RANGE LEGEND L348 ^{PV} HBR	+76 93% 49	-6.9 95% 96	+4.6 88% 37	-7.7 99% 10	+5.8 99% 86	+56 98% 30	+102 98% 26	+123 98% 45	+152 98% 4	+2 99% 99	+2.8 98% 27	-5.7 81% 28	+62 96% 68	-0.1 94% 98	+3.9 95% 2	+0.8 95% 32	-0.8 93% 95	+2.5 94% 46	+0.10 88% 36	+22 97% 41	+0.50 97% 4	+0.80 97% 14	+1.20 96% 92	\$152 93	\$321 75			
NBHP392 USA17960722 NBHM516	CLUNIE RANGE PLANTATION HBR	+121 89% 20	+5.2 87% 27	+5.0 80% 33	-5.1 99% 40	+4.4 99% 61	+68 98% 4	+117 98% 5	+145 98% 10	+111 96% 37	+21 93% 22	+5.4 98% 1	-4.6 70% 53	+71 92% 41	-1.3 91% 99	-0.3 91% 56	-1.4 91% 69	-1.6 84% 99	+3.9 91% 17	+0.29 83% 57	+24 98% 35	+0.72 98% 26	+0.88 98% 29	+0.84 97% 8	\$222 32	\$394 20			
WDCH249 USA14885809 WDCE9	COONAMBLE HECTOR H249 ^{SV} HBR	+12 94% 91	+0.9 96% 66	+1.2 89% 72	-8.4 99% 6	+4.6 99% 65	+45 98% 80	+80 98% 86	+99 98% 89	+92 98% 67	+6 98% 99	+1.4 98% 76	-4.6 80% 53	+45 96% 96	+9.0 95% 22	+4.3 96% 2	+4.4 96% 3	+0.6 94% 35	+0.3 95% 92	-0.43 89% 4	+38 98% 5	+0.40 96% 1	+0.48 96% 1	+0.78 94% 3	\$183 75	\$315 79			
USA19611994 USA18467508 USA18974126	DB ICONIC G95 ^{PV} HBR	+130 90% 16	+4.2 79% 37	+6.4 67% 19	-2.9 97% 74	+3.1 96% 31	+67 95% 4	+124 94% 2	+154 94% 4	+146 91% 5	+15 88% 70	+3.1 90% 20	-4.7 62% 50	+86 91% 10	+6.2 91% 53	+0.0 89% 49	+0.5 89% 37	-0.7 82% 93	+4.2 92% 13	+0.21 82% 48	+40 86% 4	+1.20 98% 97	+0.98 98% 53	+0.78 83% 3	\$249 10	\$450 2			
NJS21S15 USA18636106 QHEJ100	DEVANAH SATURN S15 ^{PV} HBR	+59 76% 62	+5.0 75% 29	+2.1 64% 64	-7.6 93% 11	+3.5 93% 40	+63 91% 9	+110 91% 11	+143 91% 12	+102 86% 50	+27 79% 4	+4.2 86% 5	-6.5 54% 16	+87 80% 10	+8.5 81% 27	-1.4 81% 79	-2.5 81% 84	+0.3 75% 53	+2.2 81% 53	+0.46 86% 74	+15 86% 73	+0.92 91% 67	+1.08 91% 76	+0.94 88% 25	\$256 7	\$420 8			
Breed Average EBVs			+76.	+2.1	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.84	+0.96	+1.02	+205	+350		

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Ident	Name																												
Sire			MSA	MBL	Calv-Ease		Birth		Growth			Maternal		Fert		Carcase						Feed	Temp	Structural			Selection Index		
Dam	Reg.	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			
NJS22T48	DEVANAH TOLEDO T48 ^{PV}	-16	+6.7	+6.3	-0.9	+3.0	+57	+101	+130	+95	+22	+1.8	-6.0	+90	+7.4	+2.2	+3.3	-0.4	+1.7	+0.51	+28	+0.84	+1.22	+1.22	\$243	\$405			
GTNM6	HBR	77%	73%	67%	93%	92%	91%	91%	88%	85%	80%	84%	55%	80%	80%	80%	81%	74%	81%	71%	85%	85%	85%	81%					
NJSQ2		98	16	20	93	29	25	28	29	61	17	63	23	7	38	11	7	86	66	79	23	51	94	94	14	14			
WKGQ202	DIAMOND ONE ALL IN Q202 ^{SV}	+21	-9.4	-8.6	-5.7	+8.2	+74	+126	+174	+153	+22	+3.0	-5.1	+102	+10.5	-5.5	-5.7	+1.7	+0.2	-1.39	+32	+0.88	+0.58	+0.72	\$221	\$378			
WKGNI29	HBR	73%	71%	57%	94%	91%	90%	90%	91%	85%	77%	79%	45%	78%	78%	79%	79%	72%	79%	83%	86%	85%	85%	79%					
WKGL21		87	98	99	31	99	1	1	1	4	15	22	41	1	12	99	99	3	93	1	13	59	1	2	34	30			
NGC21S068	DULVERTON SMART MISSILE	+115	+4.4	+3.3	-2.9	+2.1	+60	+101	+131	+95	+12	+2.4	-3.5	+72	+6.7	-0.9	+0.7	-0.1	+3.1	-0.56	+28	+1.02	+1.22	+1.08	\$236	\$384			
USA18170041	HBR	75%	78%	68%	96%	94%	94%	92%	89%	86%	79%	86%	55%	80%	77%	78%	78%	71%	79%	69%	90%	76%	77%	72%					
NGCM191		23	35	52	74	15	18	28	27	62	85	40	77	40	46	70	34	75	32	2	22	83	94	67	19	26			
BHRQ1163	DUNOON QUICK DRAW	+181	-0.9	+2.2	-5.7	+3.8	+57	+105	+138	+108	+22	+3.6	-3.5	+71	+9.6	-0.5	-2.2	-0.2	+5.9	+0.71	+13	+0.78	+0.60	+0.86	\$230	\$377			
BHRN394	HBR	78%	70%	60%	98%	98%	96%	96%	95%	89%	79%	90%	52%	83%	85%	84%	84%	78%	84%	68%	91%	85%	86%	81%					
BHRK074		3	78	63	31	47	27	20	17	40	18	11	77	44	18	61	81	79	2	90	80	38	1	10	25	31			
CYIR18	EBONY BEEF BILLIE RAY R18 ^{PV}	+47	+2.8	+7.8	-3.6	+5.3	+67	+107	+129	+70	+23	+2.9	-5.9	+77	+11.7	-2.3	-1.1	+0.7	+1.9	+0.74	-4	+1.04	+0.88	+1.10	\$293	\$434			
QMUM13	APR	78%	71%	65%	93%	92%	90%	91%	90%	86%	80%	82%	56%	81%	81%	81%	82%	75%	82%	81%	87%	87%	87%	84%					
CYIM611		71	50	9	64	78	4	16	31	90	14	24	25	26	7	91	65	30	61	92	99	85	29	73	1	4			
USA16198796	EF COMPLEMENT 8088 ^{PV}	+37	+4.6	+6.4	-4.6	+3.0	+53	+98	+130	+100	+21	+1.5	-7.1	+75	+7.6	+1.2	+0.7	+0.8	+1.5	+0.55	+20	+0.92	+1.24	+1.16	\$250	\$414			
USA14686137	HBR	97%	99%	96%	99%	99%	99%	99%	99%	99%	99%	99%	92%	98%	98%	98%	98%	97%	98%	94%	99%	99%	99%	99%					
USA15452880		78	33	19	48	29	45	36	29	54	25	73	9	31	36	24	34	25	71	82	53	67	95	86	10	10			
WWEL3	ESSLEMONT LOTTO L3 ^{PV}	+138	-5.2	-3.8	-5.3	+4.7	+61	+111	+141	+137	+14	+3.6	-9.9	+88	+14.8	-0.6	+0.8	+1.6	+3.7	+0.29	+14	+1.12	+0.98	+1.12	\$298	\$481			
HIOG18	HBR	96%	87%	87%	99%	99%	99%	99%	99%	98%	98%	98%	84%	97%	96%	97%	97%	96%	96%	93%	99%	98%	98%	98%					
WWEJ8		13	93	95	37	67	14	10	13	9	71	11	1	8	2	63	32	4	21	57	75	93	53	78	1	1			
WWEQ24	ESSLEMONT QUOKKA Q24 ^{PV}	+64	+5.8	+1.1	-4.8	+1.5	+41	+79	+91	+49	+16	+3.8	-7.6	+62	+16.7	+1.5	+0.6	+2.2	+2.2	+0.98	+28	+0.78	+0.86	+0.94	\$272	\$398			
WWEN12	HBR	89%	69%	63%	96%	96%	94%	94%	93%	89%	83%	91%	58%	90%	89%	88%	89%	80%	91%	84%	88%	81%	81%	78%					
WWEN7		58	22	72	44	9	90	86	95	99	56	8	6	68	1	20	35	1	53	98	23	38	25	25	3	17			
WWE21S6	ESSLEMONT SEAN S6 ^{PV}	+104	+5.2	+6.3	-5.8	+2.7	+57	+99	+113	+90	+15	+4.3	-6.7	+77	+16.2	+2.7	+1.1	+1.2	+3.7	+0.58	+27	+1.10	+1.24	+1.20	\$292	\$458			
NGMN418	HBR	79%	70%	64%	94%	91%	91%	90%	92%	87%	80%	83%	55%	81%	82%	82%	82%	76%	83%	83%	89%	84%	84%	80%					
WWEN7		30	27	20	29	24	27	34	67	69	69	4	13	27	1	7	28	10	21	84	26	91	95	92	1	2			
WKG22T2	GANDY FAIR N SQUARE T2 ^{SV}	+4	+7.7	+2.9	-11.3	+2.3	+56	+104	+125	+67	+21	+1.7	-7.8	+71	+0.1	+4.1	+4.8	-1.2	+1.4	+0.40	+40	+0.84	+0.76	+1.00	\$253	\$399			
USA19418329	HBR	72%	73%	59%	93%	92%	91%	90%	89%	85%	76%	80%	45%	78%	76%	77%	77%	70%	78%	63%	88%	74%	74%	66%					
WKG24		93	10	56	1	18	29	21	41	92	20	66	5	43	98	2	2	99	73	69	4	51	9	42	9	17			
USA18217198	G A R ASHLAND ^{PV}	+74	+2.4	+4.1	-5.9	+3.2	+66	+115	+145	+118	+16	+1.4	-3.6	+86	+12.7	-2.6	-2.3	+1.1	+2.6	+0.19	+11	+1.20	+1.12	+0.88	\$264	\$429			
USA17354178	HBR	95%	97%	89%	99%	99%	99%	99%	99%	98%	98%	99%	81%	97%	96%	96%	96%	95%	96%	90%	99%	99%	99%	98%					
USA16934264		50	53	43	28	33	5	6	10	26	60	76	75	11	4	93	82	13	43	46	86	97	83	13	5	5			
USA16295688	G A R PROPHET ^{SV}	+121	+3.5	+6.4	-0.6	+3.8	+67	+108	+133	+85	+22	+0.6	-4.5	+71	+3.8	-0.3	-1.4	-0.9	+4.8	+0.83	+26	+1.02	+0.82	+0.92	\$263	\$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		20	43	19	94	47	4	15	24	77	15	93	55	42	80	56	69	96	7	95	29	83	17	20	5	13			
USA18690054	GB FIREBALL 672 ^{PV}	+180	+1.9	+6.9	-4.8	+2.6	+61	+99	+129	+123	+18	+2.7	-7.3	+74	+13.8	-2.7	-4.5	+0.9	+5.4	+0.49	+12	+1.06	+0.96	+0.80	\$273	\$450			
USA17965471	HBR	93%	96%	86%	99%	99%	99%	99%	99%	98%	98%	93%	73%	96%	95%	95%	95%	92%	95%	87%	99%	99%	99%	98%					
USA18054344		3	58	15	44	22	14	33	31	20	44	30	8	34	2	94	97	20	4	77	83	88	48	5	3	2			
Breed Average EBVs			+76.	+2.1	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.84	+0.96	+1.02	+205	+350		

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Ident	Name																											
Sire			MSA	MBL	Calv-Ease		Birth		Growth			Maternal		Fert		Carcase						Feed	Temp	Structural			Selection Index	
Dam	Reg.		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
QBV21S073	GLENISA PATENT S073 ^{SV}		+46		+4.3	+4.1	-5.1	+5.4	+65	+115	+139	+131	+14	+2.4	-4.2	+77	+2.8	-0.8	+0.4	-0.4	+1.7	-0.18	+21	+0.84	+0.94	+1.06	\$215	\$393
USA19199070	HBR		69%		70%	56%	92%	90%	89%	89%	86%	82%	76%	80%	40%	76%	70%	71%	71%	62%	74%	61%	84%	66%	66%	57%		
QBVJ018			72		36	43	40	80	7	6	15	13	70	40	62	28	88	67	39	86	66	13	48	51	43	61	41	20
QBGH221	GLENOCH HINMAN H221 ^{SV}		+152		+7.0	-4.1	-2.7	+3.0	+53	+93	+126	+113	+19	+0.8	-3.7	+84	+6.8	-2.3	-5.1	+0.8	+5.3	-0.30	+9	+0.82	+0.80	+1.04	\$212	\$357
BNAD145	HBR		90%		83%	75%	97%	97%	96%	96%	96%	92%	94%	95%	70%	92%	91%	91%	92%	88%	92%	85%	87%	89%	89%	85%		
QBGD80			8		14	95	77	29	42	50	38	33	35	90	73	13	45	91	98	25	4	8	89	46	14	55	45	48
DKK22T2	HARDHAT M518 TATUM T2 ^{PV}		+126		-8.1	-1.0	-9.8	+4.5	+63	+106	+138	+133	+15	+1.1	-2.2	+70	+6.7	-2.8	-2.2	-0.2	+4.0	+0.01	+29	+0.78	+0.66	+1.06	\$180	\$317
VLYM518	HBR		77%		76%	68%	93%	90%	90%	89%	87%	84%	79%	82%	57%	80%	78%	79%	79%	72%	80%	71%	86%	79%	79%	76%		
NKLF143			17		97	85	2	63	9	18	18	12	66	84	94	45	46	95	81	79	16	27	21	38	3	61	77	77
NHZQ1229	HAZELDEAN Q1229 ^{PV}		+117		+2.3	+5.0	-3.4	+4.3	+56	+101	+125	+77	+19	+4.3	-6.9	+79	+11.7	+0.1	-2.6	+0.4	+4.0	+0.95	+27	+0.66	+0.98	+0.96	\$271	\$417
NHZF1023	APR		90%		83%	69%	98%	98%	97%	97%	96%	90%	82%	97%	63%	91%	90%	89%	90%	81%	91%	85%	97%	94%	94%	92%		
NHZJ823			22		54	33	67	58	32	29	40	85	33	4	11	23	7	47	85	47	16	97	24	17	53	30	3	9
NHZQ319	HAZELDEAN Q319 ^{PV}		+141		+5.0	+9.6	-8.8	+2.3	+54	+104	+141	+141	+15	+3.1	-9.8	+81	+2.6	+2.7	+1.0	-1.0	+4.9	+0.62	+31	+0.76	+0.96	+1.08	\$248	\$460
NHZM586	APR		90%		82%	67%	98%	98%	97%	97%	96%	90%	82%	97%	64%	92%	89%	89%	90%	81%	91%	83%	96%	92%	92%	88%		
NHZL1175			12		29	2	5	18	39	21	14	7	70	20	1	19	89	7	29	97	6	86	16	34	48	67	11	1
NHZR265	HAZELDEAN RENEGADE R265 ^{PV}		+98		+6.0	+2.6	-0.4	+3.9	+51	+99	+132	+122	+18	+1.6	-2.2	+70	+5.5	-1.0	-2.0	-0.3	+3.9	-0.13	+28	+0.64	+0.84	+1.06	\$177	\$336
NHZM182	APR		76%		76%	61%	98%	97%	95%	96%	92%	86%	78%	96%	50%	81%	79%	80%	80%	73%	81%	69%	94%	78%	78%	71%		
NHZN294			33		21	59	95	49	55	34	26	22	41	70	94	45	61	72	78	83	17	16	23	14	21	61	79	65
CBJ21S13	HILLS VIEW SAM S13 ^{PV}		+131		+4.7	+2.9	-3.2	+3.5	+57	+112	+147	+128	+21	+2.5	-4.5	+70	+5.3	+0.7	+0.9	-0.7	+4.1	+0.11	+27	+0.62	+0.70	+1.04	\$224	\$402
CSWQ011	HBR		74%		71%	65%	95%	92%	90%	88%	87%	84%	78%	81%	50%	78%	74%	74%	75%	67%	77%	68%	87%	71%	71%	70%		
ASHP141			15		32	56	70	40	27	9	8	15	23	37	55	46	64	34	31	93	15	37	25	12	5	55	30	15
USA20427019	HOOVER ABOUT IT ^{PV}		+49		+1.3	+5.5	-2.6	+0.8	+52	+100	+133	+93	+23	+1.7	-2.8	+78	+9.2	+2.5	+2.9	+0.0	+2.2	+0.68	+22	+0.70	+0.70	+0.86	\$216	\$357
USA17882682	HBR		75%		77%	60%	96%	96%	93%	92%	88%	85%	81%	83%	43%	81%	78%	76%	75%	69%	80%	63%	90%	85%	85%	70%		
USA19200093			69		63	28	78	5	51	32	24	65	11	66	88	24	21	9	9	70	53	89	41	23	5	10	39	49
NZE13300018	KAKAHU PIVOTAL 18004 ^{PV}		+176		+5.1	+1.1	-7.2	+3.9	+55	+102	+123	+71	+28	+3.6	-8.7	+84	+9.3	+1.2	+1.9	+0.3	+4.4	+0.59	-1	+0.68	+0.88	+1.06	\$304	\$456
WWEL3	HBR		88%		74%	67%	96%	96%	95%	95%	95%	91%	88%	93%	64%	90%	89%	88%	89%	82%	90%	81%	91%	88%	88%	83%		
NZE13300116373			4		28	72	14	49	34	25	44	90	2	11	2	13	20	24	18	53	11	84	99	19	29	61	1	2
FCJ21S132	KAKAHU S132 ^{PV}		+150		+2.5	+5.0	-1.9	+3.6	+56	+99	+129	+83	+22	+2.8	-3.9	+74	+7.4	-3.4	-3.6	+0.2	+4.4	-0.44	+34	+0.86	+0.98	+0.76	\$235	\$370
USA18170041	HBR		76%		72%	66%	98%	97%	96%	95%	90%	86%	79%	83%	55%	80%	81%	81%	81%	75%	81%	69%	84%	78%	75%	70%		
NZE21180117268			9		52	33	86	42	31	34	32	79	16	27	69	35	38	97	93	59	11	4	10	55	53	3	20	37
GXNQ209	KELLY ANGUS QUINN Q209 ^{SV}		+45		+7.8	+9.6	-7.0	+2.3	+66	+120	+145	+124	+29	+0.6	-9.5	+94	+5.2	-1.4	-2.7	+0.2	+2.2	-0.17	+37	+1.32	+1.24	+1.22	\$286	\$488
USA18463791	HBR		76%		76%	63%	95%	95%	93%	93%	93%	88%	79%	83%	52%	80%	82%	82%	82%	76%	82%	81%	86%	85%	85%	81%		
VLYL1327			73		9	2	15	18	5	3	10	20	2	93	1	4	65	79	86	59	53	14	6	99	95	94	1	1
NDIP481	KENNY'S CREEK PINNACLE P481		+165		+1.1	-0.6	-3.7	+3.2	+48	+87	+116	+67	+21	+0.4	-3.3	+78	+4.2	+1.6	+1.6	-1.4	+6.3	+1.28	+18	+0.96	+0.98	+0.84	\$211	\$321
USA17354145	HBR		89%		82%	72%	98%	98%	97%	97%	97%	92%	88%	95%	63%	91%	90%	90%	90%	83%	91%	84%	90%	92%	92%	89%		
NDIL236			5		64	83	63	33	68	68	60	92	24	95	81	24	76	18	21	99	1	99	62	74	53	8	46	75
KILK18	KILLAIN ALASKA K18 ^{PV}		-24		-11.8	-6.2	-0.5	+7.0	+65	+120	+161	+168	+16	+4.0	-2.1	+83	+6.3	-3.0	-4.8	+1.0	-1.2	-0.67	+35	+1.10	+0.76	+0.98	\$116	\$267
USA16417285	HBR		86%		75%	64%	90%	89%	89%	89%	86%	84%	84%	52%	86%	85%	85%	86%	82%	88%	77%	80%	77%	77%	66%			
USA15107929			99		99	98	95	96	6	3	2	1	58	6	94	15	51	96	97	16	99	1	8	91	9	36	99	94
Breed Average EBVs			+76.		+2.1	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.84	+0.96	+1.02	+205	+350

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Ident	Name																												
Sire					Calv-Ease	Birth	Growth			Maternal		Fert	Carcase						Feed	Temp	Structural			Selection Index					
Dam	Reg.	MSA MBL 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			
BLAP130	KNOWLA PACKER P130 ^{PV}	+54	+3.2	+2.5	-2.8	+4.8	+56	+101	+133	+109	+11	+1.1	-5.6	+78	+8.3	-0.2	-1.1	+0.8	+1.9	+0.07	+25	+0.80	+1.18	+0.96	\$236	\$395			
SRKK306	HBR	85%	69%	64%	93%	92%	90%	89%	90%	86%	79%	86%	56%	86%	84%	84%	85%	77%	87%	78%	85%	81%	81%	76%					
BLAK113		66	46	60	76	69	30	29	24	39	90	84	30	25	29	54	65	25	61	33	31	42	90	30	19	19			
BLAP91	KNOWLA PEPPER P91 ^{PV}	+41	+6.3	+0.8	-5.1	+3.8	+60	+116	+144	+170	+8	+1.8	-9.2	+66	+8.6	+3.2	+0.3	+0.6	+2.3	+0.44	-1	+0.96	+1.02	+1.00	\$253	\$478			
HIOG18	HBR	91%	80%	72%	96%	95%	94%	93%	94%	90%	87%	90%	65%	91%	90%	90%	91%	82%	92%	85%	91%	91%	92%	89%					
BLAL06		75	18	75	40	47	16	5	10	1	98	63	1	57	26	5	40	35	51	72	99	74	63	42	9	1			
BLAR190	KNOWLA REVOLUTION R190 ^{PV}	+159	+11.0	+6.1	-11.5	+0.6	+39	+80	+103	+68	+24	+2.7	-3.0	+54	+15.0	+4.2	+3.1	+0.0	+4.8	+0.77	+42	+0.72	+1.00	+0.98	\$214	\$342			
BLAN127	HBR	75%	70%	59%	97%	96%	93%	93%	92%	86%	78%	91%	49%	80%	80%	80%	80%	73%	81%	74%	89%	89%	88%	85%					
BLAP172		7	1	22	1	4	93	84	84	92	9	30	85	86	1	2	8	70	7	93	3	26	58	36	42	61			
BLA21S48	KNOWLA SO RIGHT S48 ^{PV}	+132	+6.6	+1.2	-5.2	+3.2	+55	+100	+130	+111	+14	+2.5	-5.0	+80	+7.8	+1.1	+1.7	-0.3	+4.0	+0.26	+31	+0.80	+1.06	+0.98	\$233	\$398			
USA18837398	HBR	78%	85%	73%	99%	99%	98%	98%	97%	90%	80%	97%	54%	83%	86%	84%	85%	79%	85%	81%	98%	96%	96%	94%					
BLAL21		15	16	72	38	33	33	30	30	36	76	37	43	21	34	26	20	83	16	53	16	42	72	36	22	18			
BLA22T72	KNOWLA TOP NOTCH T72 ^{PV}	+100	+6.8	+1.1	-8.2	+3.3	+59	+108	+143	+147	+9	+3.6	-3.5	+79	+7.2	-1.4	-1.4	+0.7	+2.9	-0.58	+24	+0.72	+0.86	+1.08	\$209	\$395			
BLAN127	HBR	73%	66%	58%	92%	90%	89%	88%	86%	83%	77%	81%	47%	77%	74%	75%	76%	68%	77%	66%	85%	78%	78%	75%					
BLAN14		32	15	72	7	35	20	13	11	5	95	11	77	23	40	79	69	30	36	2	36	26	25	67	48	19			
NZCP117	KO B074 BEAST MODE P117 ^{PV}	+144	+1.6	+6.7	-5.3	+1.8	+60	+101	+123	+112	+9	+2.2	-5.4	+61	+2.3	+1.2	+0.6	-1.1	+4.2	+0.60	+13	+0.62	+0.54	+0.70	\$219	\$383			
USA17960722	HBR	81%	83%	72%	98%	98%	96%	97%	96%	94%	88%	92%	60%	86%	87%	87%	87%	82%	86%	82%	91%	92%	92%	88%					
NZCM67		11	60	16	37	12	18	29	44	35	95	48	34	72	90	24	35	98	13	85	79	12	1	1	36	27			
TFA21S1944	LANDFALL SUMMIT S1944 ^{PV}	+155	+5.2	+4.5	-6.7	+3.1	+50	+104	+137	+114	+26	+2.4	-6.0	+71	+10.0	+1.7	+1.8	+0.0	+4.3	+0.52	+24	+0.58	+0.70	+0.82	\$248	\$423			
NORL519	HBR	78%	75%	68%	97%	97%	95%	93%	91%	87%	81%	91%	59%	82%	81%	81%	82%	76%	82%	72%	93%	84%	84%	80%					
TFAN829		7	27	38	18	31	59	21	18	32	5	40	23	44	15	17	19	70	12	79	34	8	5	6	11	7			
VLYL483	LAWSONS LINKEDIN L483 ^{SV}	+56	+4.9	-6.6	-1.1	+4.1	+59	+108	+152	+138	+24	+4.0	-5.5	+102	+8.8	-1.6	+2.0	+0.2	+2.0	-0.18	+18	+1.04	+0.82	+0.90	\$221	\$398			
HKFJ5	HBR	90%	78%	75%	98%	98%	97%	97%	97%	95%	96%	94%	68%	93%	90%	89%	91%	85%	91%	83%	89%	85%	85%	81%					
VLYH221		65	30	98	92	54	20	13	5	9	8	6	32	2	24	82	17	59	58	13	61	85	17	16	34	18			
VLYQ44	LAWSONS MIRACULOUS Q44 ^{PV}	+96	+5.5	-0.6	-7.7	+3.6	+51	+92	+109	+102	+12	+3.2	-3.9	+44	+18.3	-0.3	+0.1	+1.9	+1.9	+0.22	+36	+0.94	+0.94	+1.00	\$232	\$383			
VLYM518	HBR	88%	79%	69%	97%	96%	94%	94%	94%	90%	87%	91%	61%	89%	88%	88%	89%	80%	90%	81%	85%	84%	84%	81%					
VLYK914		35	25	83	10	42	56	54	75	51	87	17	69	96	1	56	44	2	61	49	7	71	43	42	23	27			
VLYM518	LAWSONS MOMENTOUS M518	+196	-1.4	+0.7	-5.2	+3.9	+51	+92	+115	+81	+22	+2.7	-2.8	+51	+11.6	-1.3	-0.2	+0.3	+5.8	+0.64	+37	+0.86	+1.00	+1.14	\$229	\$349			
USA17354145	HBR	95%	98%	92%	99%	99%	99%	99%	99%	98%	98%	99%	85%	97%	96%	97%	97%	96%	96%	92%	99%	99%	99%	99%					
VLYH229		2	80	75	38	49	55	55	63	80	15	30	88	90	7	77	49	53	2	87	6	55	58	82	25	55			
VLYR4010	LAWSONS ROCKY R4010 ^{PV}	+129	+5.9	+8.0	-4.8	+2.4	+54	+96	+121	+83	+23	+2.6	-4.6	+75	+11.0	+1.1	+0.8	+0.2	+4.5	+1.45	+18	+0.96	+1.02	+1.08	\$259	\$409			
USA17354145	HBR	82%	84%	75%	99%	99%	98%	98%	98%	95%	91%	98%	60%	88%	88%	88%	87%	82%	87%	78%	99%	98%	98%	97%	6	12			
VLYP4005		16	22	8	44	19	40	43	50	78	14	33	53	32	10	26	32	59	10	99	60	74	63	67	6	12			
VLYR1217	LAWSONS ROMULUS R1217 ^{PV}	+146	+2.8	+7.0	-5.4	+3.9	+65	+110	+151	+123	+18	+1.3	-2.6	+84	+10.8	-4.0	-4.5	+1.2	+4.3	+0.71	+12	+1.14	+1.10	+1.02	\$259	\$423			
USA18217198	HBR	77%	76%	67%	94%	92%	90%	90%	90%	86%	78%	82%	56%	80%	80%	80%	81%	74%	81%	81%	85%	84%	84%	80%					
VLYN976		10	50	14	35	49	6	11	6	20	40	79	90	13	11	99	97	10	12	90	81	94	79	49	6	7			
CHK21S093	MANEROO PARTNERS S093 ^{SV}	+124	+0.9	+0.9	-2.9	+4.7	+61	+101	+123	+116	+15	+3.2	-6.9	+72	+14.4	-2.4	-3.7	+1.4	+3.6	+0.28	+29	+1.00	+1.00	+1.04	\$264	\$428			
USA19266718	APR	74%	71%	63%	91%	91%	90%	89%	87%	84%	78%	80%	50%	78%	76%	77%	77%	70%	78%	67%	83%	75%	71%						
CHKN068		19	66	74	74	67	13	28	45	29	65	17	11	39	2	92	93	6	22	56	19	80	58	55	5	6			
Breed Average EBVs		+76.	+2.1	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.84	+0.96	+1.02	+205	+350			

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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
NMMG18	MILLAH MURRAH HIGHLANDER	+16	-0.4	-1.7	-3.0	+4.7	+49	+87	+110	+89	+19	+3.9	-3.0	+77	+10.7	-3.7	-1.6	+2.1	-0.2	-0.02	+16	+0.80	+0.92	+1.02	\$181	\$300
NZE12170004408	HBR	90%	84%	75%	97%	96%	94%	94%	94%	91%	88%	90%	66%	91%	90%	90%	91%	84%	92%	85%	91%	84%	84%	80%		
NMMD85		89	75	88	73	67	61	70	72	70	35	7	85	28	11	98	72	84%	97	25	70	42	38	49	77	85
NMMK35	MILLAH MURRAH KINGDOM K35	-42	-10.5	-4.6	-1.9	+8.8	+55	+100	+138	+148	+11	+0.9	-5.8	+64	+7.5	+0.0	-0.1	+1.0	-1.0	-0.72	+29	+0.84	+1.32	+1.20	\$148	\$294
NZE469	HBR	94%	96%	90%	99%	99%	98%	98%	98%	98%	98%	98%	82%	96%	95%	96%	96%	94%	95%	90%	98%	96%	96%	94%		
NMMG41		99	99	96	86	99	33	30	17	5	90	88	27	63	37	49	47	16	99	1	21	51	98	92	94	87
NMMK42	MILLAH MURRAH KLOONEY K42	+74	+3.3	+1.3	-5.9	+5.6	+47	+85	+108	+90	+22	+2.2	-5.4	+66	+6.9	-1.3	-3.1	+1.2	+2.0	+0.06	+17	+0.84	+0.92	+1.02	\$199	\$332
NGMT30	HBR	94%	88%	86%	99%	99%	99%	99%	98%	98%	98%	98%	84%	97%	96%	96%	96%	95%	96%	90%	99%	97%	97%	95%		
NMMH4		51	45	71	28	83	71	73	76	70	19	48	34	58	44	77	89	10	58	32	64	51	38	49	60	68
NMML133	MILLAH MURRAH LOCH UP L133	+41	+6.2	+4.6	-5.5	+4.8	+59	+99	+131	+101	+25	+2.1	-2.6	+79	+1.6	-2.2	-3.9	-0.7	+1.9	-0.15	+32	+0.68	+1.08	+1.14	\$170	\$313
USA17091363	HBR	94%	84%	84%	99%	99%	98%	98%	98%	98%	98%	98%	83%	97%	96%	96%	96%	94%	96%	90%	98%	97%	97%	96%		
NMMH49		75	19	37	34	69	20	33	29	51	7	52	90	22	94	90	94	93	61	15	12	19	76	82	84	79
NMMM308	MILLAH MURRAH MILESTONE	+79	+7.2	+5.8	-7.2	+4.5	+42	+79	+90	+79	+15	+2.6	-4.8	+41	+4.4	+2.4	+4.4	-0.4	+2.5	+0.14	+18	+0.84	+0.96	+1.22	\$185	\$323
NZE14647008839	HBR	88%	86%	75%	98%	98%	97%	97%	96%	94%	93%	96%	69%	91%	90%	90%	90%	85%	91%	81%	96%	84%	84%	82%		
NMMH331		47	12	25	14	63	87	87	95	83	64	33	48	98	74	9	3	86	46	40	60	51	48	94	73	74
NJWH283	MILWILLAH ELSOM H283 ^{PV}	+49	+0.3	-6.3	-2.1	+3.9	+47	+84	+122	+112	+22	+1.9	-1.5	+76	+8.9	-2.2	-2.3	+1.4	+1.4	+0.35	+18	+0.72	+0.80	+1.04	\$148	\$270
NJWF189	HBR	90%	84%	73%	97%	97%	96%	96%	96%	92%	94%	94%	64%	92%	91%	91%	91%	86%	92%	85%	88%	89%	90%	85%		
NJWE51		70	70	98	84	49	73	77	46	35	19	59	97	29	23	90	82	6	73	63	62	26	14	55	94	94
NJWE158	MILWILLAH LAD E158 ^{SV}	+136	-2.4	-7.3	-7.9	+7.9	+41	+78	+106	+106	+7	+2.0	-5.4	+43	+8.7	-0.9	-5.2	+1.4	+3.2	+0.27	+12	+0.78	+0.82	+0.74	\$162	\$286
NZEE230	HBR	90%	84%	77%	95%	97%	97%	96%	96%	93%	96%	93%	65%	92%	91%	91%	91%	86%	92%	83%	90%	79%	80%	72%		
VTMX114		13	85	99	9	99	91	88	79	44	98	55	34	97	25	70	98	6	30	55	82	38	17	2	88	90
BWFQ33	MOOGENILLA QUINELLA Q33 ^{PV}	+142	+2.4	+9.2	-6.2	+4.0	+60	+114	+145	+81	+28	+3.1	-4.0	+98	+9.3	-1.1	+0.1	-0.4	+4.9	+0.42	+31	+0.86	+0.88	+0.86	\$275	\$423
USA18181757	HBR	88%	85%	75%	99%	99%	98%	99%	98%	96%	95%	98%	65%	92%	92%	92%	92%	88%	92%	87%	98%	98%	98%	97%		
BWFN9		11	53	3	24	51	15	7	10	81	2	20	67	2	20	74	44	86	6	71	14	55	29	10	2	7
CSWP036	MURDEDUKE BLACK PEARL	+199	+1.7	+2.0	-8.4	+4.8	+49	+93	+129	+119	+22	+3.4	-7.6	+58	+1.0	+0.3	-1.2	-1.0	+6.3	+0.64	+18	+0.84	+1.18	+1.22	\$212	\$378
USA17236055	HBR	91%	80%	71%	96%	96%	95%	95%	94%	92%	87%	91%	68%	92%	91%	90%	91%	82%	92%	86%	95%	93%	94%	90%		
CSWL123		2	60	65	6	69	63	50	32	25	17	14	6	78	96	42	66	97	1	87	62	51	90	94	44	30
CSWK428	MURDEDUKE KICKING K428 ^{PV}	+23	+7.2	+10.2	-7.5	+1.8	+48	+93	+115	+89	+25	+3.4	-5.8	+67	+2.6	-0.4	-3.0	+0.3	+0.8	+0.04	+40	+0.86	+1.02	+1.16	\$186	\$339
VTME343	HBR	91%	89%	78%	98%	98%	97%	98%	97%	96%	95%	97%	71%	94%	92%	90%	93%	88%	93%	87%	97%	97%	97%	95%		
CSWE175		86	12	1	11	12	69	51	63	71	8	14	27	56	89	58	89	53	86	30	4	55	63	86	73	62
CSW22T115	MURDEDUKE PHEASANTRY	+170	+1.9	+3.7	-6.3	+4.7	+55	+104	+128	+124	+26	+3.2	-8.3	+76	+5.1	+1.4	+1.3	-1.1	+6.5	+0.86	+22	+0.36	+0.98	+1.14	\$249	\$432
VTMP1479	HBR	73%	70%	63%	88%	86%	86%	85%	84%	82%	78%	81%	50%	76%	73%	73%	74%	66%	77%	68%	81%	76%	76%	74%		
CSWR082		5	58	47	23	67	36	21	33	20	4	17	3	30	66	21	25	98	1	95	42	1	53	82	10	5
CSWQ011	MURDEDUKE QUARTERBACK	+175	+6.5	+2.3	-9.4	+3.0	+54	+101	+136	+106	+24	+4.0	-6.4	+77	+5.3	+1.7	+2.9	-1.1	+5.3	+0.51	+22	+0.70	+1.04	+1.06	\$243	\$412
VLYM518	HBR	91%	92%	86%	99%	99%	99%	99%	99%	98%	97%	99%	73%	95%	93%	94%	94%	90%	93%	86%	99%	99%	99%	98%		
CSWN026		4	17	62	3	29	41	29	20	44	9	6	17	26	64	17	9	98	4	79	44	23	68	61	14	11
NURM204	MURRAY PROCEED M204 ^{PV}	+254	-5.8	+6.7	-3.8	+4.6	+62	+105	+143	+134	+18	+2.1	-3.6	+88	+13.9	-4.8	-6.1	+0.8	+6.8	+0.08	+21	+0.98	+0.74	+0.90	\$237	\$393
USA16956101	HBR	91%	81%	72%	96%	96%	95%	95%	95%	91%	88%	91%	65%	92%	91%	89%	91%	87%	92%	85%	93%	91%	91%	88%		
NURJ43		1	94	16	61	65	12	19	11	11	39	52	75	8	2	99	99	25	1	34	48	77	8	16	18	20
Breed Average EBVs		+76.	+2.1	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.84	+0.96	+1.02	+205	+350

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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	
WLGP5	NARANDA PIMP P5 ^{SV}	+113	+10.6	+9.7	-10.2	+1.4	+52	+97	+127	+96	+21	+1.6	-3.4	+82	+6.7	+1.5	+2.7	-0.4	+3.6	+0.31	-3	+0.68	+0.74	+1.08	\$226	\$383	
USA18229425	APR	88%	78%	66%	97%	95%	95%	94%	94%	89%	85%	88%	56%	89%	87%	87%	88%	78%	90%	82%	90%	87%	87%	82%			
WLG24		24	1	2	2	8	49	38	37	61	24	70	79	16	46	20	11	86	22	59	99	19	8	67	28	27	
SKOJ6	NEWLYN PARK EMPEROR J6 ^{PV}	+11	-6.0	-5.7	-6.8	+7.4	+66	+112	+144	+160	+8	+1.5	-3.8	+79	+8.5	-1.2	-1.3	+1.3	+0.1	-0.75	+13	+1.06	+0.82	+0.76	\$186	\$350	
VTME343	HBR	86%	79%	71%	93%	92%	91%	91%	91%	88%	85%	85%	65%	87%	86%	86%	87%	81%	88%	80%	86%	85%	85%	81%			
NZCE115		91	95	97	17	97	6	8	11	2	97	73	71	22	27	76	68	8	94	1	78	88	17	3	73	54	
NZE21095018	NGAPUTAH1 P206 ^{PV}	+134	+9.0	+4.1	-1.4	+0.1	+41	+83	+97	+69	+26	+2.8	-8.3	+53	+5.5	+0.1	-1.8	+1.0	+4.0	+0.13	+16	+0.94	+1.14	+1.08	\$243	\$385	
HIOE7	HBR	89%	82%	74%	93%	97%	96%	96%	95%	91%	88%	95%	68%	90%	90%	89%	90%	83%	91%	83%	89%	85%	86%	83%			
NZE21095112H49		14	4	43	90	2	89	78	91	91	5	27	3	88	61	47	75	16	16	39	69	71	85	67	14	26	
NZE21095020	NGAPUTAH1 R160 ^{SV}	+104	-1.2	+4.5	-1.0	+4.9	+64	+110	+134	+113	+19	+4.6	-3.9	+77	+5.1	-1.2	-1.0	+0.1	+3.2	-0.05	+35	+0.76	+0.82	+0.90	\$225	\$380	
USA17960722	HBR	77%	78%	67%	95%	97%	95%	95%	90%	87%	84%	91%	57%	82%	82%	82%	83%	77%	82%	70%	91%	80%	79%	75%			
NZE2109510845		30	79	38	93	71	7	11	23	33	36	3	69	27	66	76	63	65	30	22	8	34	17	16	30	30	
USA16981588	PA FULL POWER 1208 ^{PV}	+112	-5.7	-3.5	-4.8	+3.8	+52	+98	+120	+76	+14	+2.0	-2.0	+71	+12.9	-1.7	+0.6	+1.1	+3.0	+0.90	+21	+1.24	+0.92	+0.74	\$221	\$325	
USA16381311	HBR	93%	94%	86%	99%	98%	98%	98%	98%	98%	98%	98%	75%	96%	95%	94%	95%	93%	95%	88%	98%	98%	98%	92%			
USA16408070		25	94	94	44	47	48	37	50	86	72	55	95	43	4	84	35	13	34	96	49	98	38	2	33	72	
HKFK146	PARINGA RED PILBARA K146 ^{PV}	+198	+0.2	-0.5	-0.6	+2.5	+32	+59	+65	+30	+21	+1.6	-6.8	+40	+7.3	+1.0	+2.6	-0.2	+6.2	+0.77	+11	+0.72	+0.98	+1.14	\$215	\$302	
HKFH114	HBR	88%	75%	62%	94%	92%	91%	91%	91%	86%	83%	83%	55%	88%	88%	87%	88%	81%	90%	82%	84%	80%	80%	73%			
HKFG42		2	71	83	94	20	99	99	99	99	23	70	12	98	39	28	11	79	1	93	85	26	53	82	40	84	
SMPG357	PATHFINDER GENESIS G357 ^{PV}	+6	-0.8	+2.8	-7.1	+6.6	+62	+109	+148	+138	+26	+4.4	-7.5	+97	+14.1	+0.2	-0.9	+1.4	+0.4	+0.61	+28	+0.84	+1.08	+0.78	\$244	\$426	
VTMB1	HBR	95%	97%	91%	99%	99%	99%	99%	99%	98%	98%	98%	86%	97%	96%	97%	97%	95%	96%	91%	99%	98%	98%	96%			
SMPD245		93	77	57	15	94	12	13	7	9	5	4	6	3	2	45	61	6	91	85	23	51	76	3	13	6	
SMPK22	PATHFINDER COMPLETE K22 ^{SV}	+65	+9.9	+7.1	-9.0	+1.0	+41	+74	+97	+53	+25	+2.9	-7.2	+54	+7.1	+3.7	+5.5	+0.2	+2.3	+0.58	+26	+0.50	+0.86	+0.66	\$239	\$368	
SMPG357	HBR	93%	93%	83%	99%	98%	98%	98%	98%	97%	97%	98%	76%	95%	94%	94%	95%	93%	94%	88%	97%	96%	96%	94%			
SMPH756		58	2	13	4	6	90	93	91	98	6	24	9	86	42	3	1	59	51	84	29	4	25	1	17	39	
SMPN56	PATHFINDER NUCLEUS N56 ^{SV}	+48	+4.7	+2.9	-3.7	+5.2	+59	+106	+136	+130	+18	+4.7	-6.9	+75	+12.6	+0.7	+1.1	+0.9	+1.7	+0.40	+7	+0.76	+0.82	+0.84	\$251	\$439	
HIOG18	HBR	91%	82%	71%	96%	97%	96%	96%	95%	92%	92%	94%	64%	92%	91%	90%	91%	83%	92%	86%	90%	87%	87%	82%			
SMPL179		71	32	56	63	77	19	18	19	14	45	2	11	33	5	34	28	20	66	69	93	34	17	8	9	4	
SMPP516	PATHFINDER PHAT CAT P516 ^{SV}	+212	+4.3	+3.5	-7.2	+4.5	+52	+89	+116	+84	+25	+5.3	-8.9	+48	+11.7	-3.2	-2.8	+0.7	+5.8	+0.11	+38	+0.72	+1.06	+0.88	\$281	\$436	
SMPM558	HBR	84%	79%	67%	96%	96%	95%	95%	95%	91%	88%	92%	59%	88%	85%	85%	86%	79%	87%	80%	93%	90%	90%	85%			
SMPJ282		1	36	50	14	63	48	63	60	77	7	1	2	94	7	97	87	30	2	37	5	26	72	13	2	4	
SMPQ1357	PATHFINDER QUEST Q1357 ^{PV}	+96	-3.0	-0.9	-6.3	+5.5	+65	+116	+162	+174	+13	+1.6	-5.4	+95	+6.3	-2.4	-4.7	+1.2	+3.2	+0.13	+29	+0.86	+0.68	+1.10	\$220	\$411	
NORL519	HBR	89%	71%	67%	94%	95%	93%	93%	93%	88%	83%	87%	64%	89%	88%	88%	89%	80%	90%	82%	88%	86%	87%	83%			
SMPM18		35	87	85	23	82	7	6	2	1	78	70	34	3	51	92	97	10	30	39	20	55	4	73	35	11	
NZE41-97	PINEBANK WAIGROUP 41/97 [#]	+15	+3.1	-4.6	-3.5	+3.7	+37	+64	+76	+50	+18	+0.9	-4.3	+17	+5.4	+1.2	+0.3	+0.9	+1.1	-0.03	+33	+0.28	+0.90	+0.94	\$160	\$247	
NZE53195	HBR	95%	96%	91%	98%	99%	98%	98%	98%	98%	98%	98%	89%	97%	96%	96%	96%	95%	96%	90%	93%	88%	88%	83%			
NZE63988		89	47	96	66	44	96	99	99	98	45	88	60	99	63	24	40	20	80	24	10	1	33	25	89	97	
WQCQ47	QUANDEN SPRINGS	+107	+10.0	+8.4	-9.4	-0.7	+51	+98	+131	+110	+30	+5.2	-4.4	+48	+9.1	+0.2	+1.0	+0.4	+2.5	-0.23	+27	+0.96	+0.98	+1.08	\$215	\$386	
VLYM518	HBR	85%	78%	68%	92%	92%	91%	91%	92%	87%	82%	86%	60%	86%	85%	85%	86%	78%	87%	79%	88%	84%	85%	80%			
VLYM1690		28	2	6	3	1	52	37	28	37	1	1	57	93	21	45	29	47	46	11	24	74	53	67	40	25	
Breed Average EBVs		+76.	+2.1	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.84	+0.96	+1.02	+205	+350	

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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		
NLRE17	REILAND EVERITT E17 ^{PV}	+98	-4.6	+3.6	-1.2	+5.0	+51	+88	+121	+88	+15	+4.4	-3.1	+65	+10.2	-2.0	+0.8	+0.9	+1.6	-0.42	+12	+1.08	+0.92	+0.98	\$192	\$310		
USA13058662	HBR	90%	87%	78%	96%	97%	96%	95%	96%	94%	94%	94%	70%	92%	91%	91%	91%	87%	92%	84%	88%	86%	87%	83%				
NAQW232		33	92	48	91	73	52	65	49	72	67	4	84	60	14	88	32	20	69	4	82	90	38	36	67	81		
NORF340	RENNYLEA BLACK GOLD F340 ^{PV}	+148	+5.8	-1.0	-3.1	+1.3	+35	+65	+79	+83	+2	+0.9	-2.5	+18	+2.1	-0.5	+0.1	-0.1	+4.5	-0.08	+15	+0.76	+0.80	+0.78	\$138	\$255		
NZE04379	HBR	90%	83%	76%	96%	96%	95%	94%	94%	92%	92%	91%	70%	91%	90%	90%	90%	83%	91%	85%	90%	88%	88%	84%				
VLYZ1393		9	22	85	72	7	98	98	99	78	99	88	91	99	91	61	44	75	10	20	72	34	14	3	96	96		
NORE11	RENNYLEA EDMUND E11 ^{PV}	+112	+8.6	-0.2	-6.7	+1.2	+34	+64	+83	+55	+16	+1.9	-8.8	+50	+4.2	+3.4	+1.2	-0.2	+4.2	+0.76	+23	+0.54	+1.04	+1.08	\$206	\$326		
NGMY145	HBR	97%	99%	97%	99%	99%	99%	99%	99%	99%	99%	99%	95%	98%	98%	98%	98%	98%	98%	96%	99%	99%	99%	99%				
VLYY5		25	6	81	18	7	98	99	98	97	60	59	2	92	76	4	26	79	13	92	40	5	68	67	51	72		
NORH708	RENNYLEA H708 ^{PV}	+265	-6.3	+3.3	+1.3	+4.5	+47	+101	+127	+129	+12	+2.3	-3.3	+72	+12.2	-3.2	-6.5	+2.0	+7.2	+0.61	+21	+0.66	+0.66	+0.92	\$221	\$370		
NORC511	APR	95%	93%	86%	98%	98%	98%	98%	98%	97%	97%	98%	84%	96%	96%	96%	96%	94%	96%	93%	98%	98%	98%	97%				
NORE176		1	95	52	99	63	73	28	35	15	87	44	81	40	6	97	99	1	1	85	46	17	3	20	34	37		
NORK522	RENNYLEA KODAK K522 ^{SV}	+144	+8.5	+8.2	-4.8	+1.4	+44	+82	+107	+109	+12	+4.6	-7.7	+46	+3.8	+3.5	+1.1	-0.3	+4.0	+0.36	+6	+0.58	+0.82	+0.92	\$204	\$379		
NORE11	HBR	93%	94%	85%	99%	99%	98%	98%	98%	97%	98%	98%	77%	96%	94%	95%	95%	93%	95%	89%	96%	97%	97%	95%				
NORF810		11	6	7	44	8	83	81	77	39	83	3	5	95	80	3	28	83	16	65	94	8	17	20	54	30		
NORL508	RENNYLEA L508 ^{PV}	+171	+2.0	+7.9	-5.7	+2.6	+46	+85	+118	+91	+27	+1.4	-8.2	+55	+5.8	+0.8	-0.3	-0.2	+5.4	+0.56	+14	+0.64	+0.82	+0.88	\$244	\$396		
USA17366506	HBR	94%	87%	81%	99%	99%	98%	98%	98%	98%	98%	98%	83%	96%	95%	96%	96%	94%	95%	90%	99%	98%	98%	97%				
NORH414		4	57	8	31	22	75	74	56	68	4	76	3	84	58	32	51	79	4	82	75	14	17	13	13	18		
NORP987	RENNYLEA P987 ^{PV}	+238	+9.6	+9.3	-8.0	+1.3	+49	+95	+120	+124	+7	+0.2	-3.2	+68	+5.0	+4.0	+2.6	-1.3	+8.3	+0.92	+10	+0.88	+1.04	+1.04	\$221	\$398		
NORM763	APR	88%	76%	66%	97%	97%	97%	97%	96%	94%	90%	96%	66%	90%	90%	90%	90%	84%	91%	82%	96%	94%	94%	92%				
NORM1184		1	3	3	8	7	62	45	52	20	99	97	82	52	67	2	11	99	1	97	87	59	68	55	34	17		
NORQ1077	RENNYLEA Q1077 ^{PV}	+168	+4.0	+10.5	-4.2	+2.6	+49	+97	+121	+105	+13	+2.2	-6.0	+76	+15.9	+0.8	+0.0	+1.5	+5.2	+0.70	+20	+0.66	+0.80	+0.82	\$285	\$457		
NORH708	APR	83%	84%	72%	98%	98%	97%	97%	97%	94%	89%	97%	64%	87%	88%	88%	88%	84%	88%	77%	97%	95%	95%	92%				
NORG101		5	39	1	54	22	62	39	48	46	79	48	23	30	1	32	45	5	5	90	52	17	14	6	1	2		
NORQ213	RENNYLEA Q213 ^{PV}	+44	+8.3	+7.0	-7.2	+1.0	+63	+116	+145	+95	+22	+0.6	-10.4	+97	+8.4	+0.9	+0.3	+0.1	+3.3	+0.68	+28	+0.48	+0.68	+0.90	\$329	\$515		
NORK907	APR	88%	85%	72%	98%	98%	97%	97%	97%	95%	91%	97%	65%	91%	91%	90%	91%	86%	91%	82%	97%	97%	97%	94%				
NORL110		73	7	14	14	6	9	5	9	62	15	93	1	3	28	30	40	65	28	89	24	3	4	16	1	1		
NORR992	RENNYLEA R992 ^{PV}	+188	+3.9	+8.0	+1.9	+1.2	+44	+83	+115	+83	+25	+1.7	-6.8	+70	+11.4	+1.4	+1.6	-0.1	+6.4	+1.11	+23	+0.62	+0.84	+0.86	\$259	\$408		
NORN542	APR	78%	69%	62%	95%	95%	94%	94%	94%	91%	84%	92%	55%	82%	83%	83%	83%	78%	83%	80%	92%	90%	90%	85%				
NORM1034		2	39	8	99	7	84	78	62	78	7	66	12	45	8	21	21	75	1	99	41	12	21	10	6	12		
VKR22T58	RIGA TAVERN T58 ^{PV}	+101	+4.5	+3.1	-3.9	+2.1	+58	+110	+136	+133	+14	+4.2	-3.4	+76	+8.0	-1.7	-1.3	+0.5	+2.9	+0.03	+34	+0.94	+0.82	+0.92	\$212	\$391		
USA19169335	HBR	73%	74%	61%	91%	90%	87%	87%	85%	83%	78%	81%	46%	76%	74%	75%	75%	67%	77%	65%	82%	76%	72%	68%				
VKRR38		31	34	54	59	15	21	12	20	12	75	5	79	28	32	84	68	41	36	29	10	71	17	20	44	22		
NZE14572019	RISSINGTON SOVEREIGN Q485	+164	+10.9	+9.7	-7.2	+0.7	+63	+115	+155	+125	+20	+2.4	-5.2	+94	+8.9	-1.7	-4.3	+0.3	+6.1	+0.09	-5	+0.94	+0.94	+1.24	\$281	\$471		
HKFM103	HBR	79%	82%	68%	99%	98%	98%	98%	97%	89%	80%	97%	53%	82%	86%	84%	85%	79%	85%	86%	98%	97%	97%	95%				
NZE14572117009		6	1	2	14	4	10	6	4	18	25	40	39	4	23	84	96	53	2	35	99	71	43	95	2	1		
FCD21S52	SEVEN HILLS STERLING S52 ^{PV}	+123	+8.1	+6.5	-3.7	+2.6	+57	+103	+130	+109	+14	+1.6	-3.5	+68	+9.9	-1.5	-2.4	+0.9	+3.6	-0.06	+29	+0.90	+1.06	+1.00	\$242	\$405		
USA18837398	HBR	73%	70%	61%	94%	92%	90%	89%	87%	84%	78%	81%	46%	78%	74%	75%	76%	68%	77%	65%	88%	78%	78%	72%				
NZE21159116122		19	8	18	63	22	25	24	30	40	73	70	77	53	15	81	83	20	22	21	18	63	72	42	15	14		
Breed Average EBVs		+76.	+2.1	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.84	+0.96	+1.02	+205	+350		

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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		
APBR5	SHACORRAHDALU ROYALE R5	+24	+7.8	+8.4	-6.3	+2.4	+48	+91	+111	+60	+23	+2.2	-6.6	+67	+5.7	+3.8	+5.0	-0.2	+1.5	+0.99	+11	+0.86	+1.04	+0.74	\$247	\$387		
TFAK132	HBR	87%	77%	67%	93%	94%	92%	92%	91%	89%	82%	87%	60%	88%	87%	86%	87%	78%	89%	80%	88%	88%	88%	84%				
HBUP80		85	9	6	23	19	68	57	70	96	12	48	15	54	59	3	2	79	71	98	85	55	68	2	11	24		
USA19189229	STERLING CONFIDENCE PLUS	+44	+5.3	+4.2	-5.7	+1.3	+57	+104	+124	+79	+20	+1.0	-4.8	+72	+11.3	+2.0	+1.9	+0.3	+1.8	+0.18	+17	+1.00	+0.92	+0.98	\$259	\$406		
USA17585576	HBR	80%	85%	65%	98%	98%	97%	97%	96%	89%	83%	97%	50%	85%	88%	85%	84%	78%	87%	69%	97%	92%	93%	88%				
USA18171316		73	27	42	31	7	25	21	42	83	31	86	48	40	8	13	18	53	64	45	64	80	38	36	6	14		
FAM21S329	STOKMAN SOLUTION S329 ^{PV}	+106	+7.3	+3.5	-10.5	-1.2	+44	+91	+111	+64	+19	+3.4	-8.5	+64	+10.0	+2.3	+1.7	+0.6	+2.4	+0.93	+2	+0.82	+0.96	+1.04	\$262	\$409		
USA19057457	HBR	76%	89%	66%	99%	99%	98%	98%	95%	88%	78%	97%	48%	81%	85%	83%	83%	77%	84%	66%	99%	90%	91%	87%				
NZE21043118P69		28	12	50	1	1	82	57	70	94	35	14	2	62	15	10	20	35	48	97	98	46	48	55	5	12		
NZE19507018	STORTH OAKS FULLY LOADED	+114	+8.4	+5.6	-11.5	+1.2	+44	+87	+132	+133	+23	+3.2	-8.4	+65	+2.9	+1.0	+0.5	-0.6	+4.0	+0.81	+31	+0.56	+0.76	+1.04	\$195	\$384		
NORL508	HBR	89%	77%	68%	97%	97%	96%	96%	96%	91%	87%	94%	62%	90%	89%	88%	89%	81%	91%	83%	94%	89%	89%	85%				
NZE19507113J320		24	6	27	1	7	82	68	25	12	14	17	3	60	87	28	37	91	16	94	15	7	9	55	63	26		
FAF21S19	STORTH OAKS ZEPHYR S19 ^{PV}	+99	+6.5	+7.6	-7.1	+3.1	+66	+118	+155	+114	+26	+3.4	-6.2	+80	+3.1	-0.5	+0.9	-0.6	+3.6	+0.63	+6	+0.78	+0.94	+0.98	\$272	\$456		
USA18962277	HBR	74%	74%	63%	93%	91%	89%	88%	86%	83%	77%	84%	50%	78%	75%	75%	76%	68%	78%	67%	84%	78%	78%	73%				
NZE19507115L244		33	17	10	15	31	5	4	4	31	5	14	20	20	85	61	31	91	22	87	94	38	43	36	3	2		
USA17236055	SYDGEN BLACK PEARL 2006 ^{PV}	+117	+1.6	+7.0	-7.0	+3.2	+51	+85	+122	+88	+21	+1.5	-3.8	+74	+8.3	+0.4	-0.4	+0.4	+2.9	+0.37	+15	+1.02	+1.18	+1.14	\$211	\$343		
USA15354674	HBR	96%	98%	94%	99%	99%	99%	99%	99%	98%	99%	99%	89%	98%	97%	97%	97%	96%	97%	93%	99%	99%	99%	98%				
USA16214508		22	60	14	15	33	52	74	46	72	21	73	71	34	29	40	53	47	36	66	71	83	90	82	45	60		
VTMK52	TE MANIA KALIBROOK K52 ^{PV}	+133	+7.4	+6.1	-3.2	+1.5	+52	+101	+129	+104	+29	+1.6	-5.6	+74	+4.3	+1.0	+1.7	-0.6	+5.5	+1.39	+6	+1.20	+1.10	+1.20	\$245	\$411		
USA16295688	HBR	87%	79%	71%	94%	95%	92%	92%	91%	88%	84%	89%	66%	88%	87%	85%	88%	83%	89%	80%	87%	90%	91%	87%				
VTMH423		14	11	22	70	9	51	27	33	46	2	70	30	35	75	28	20	91	3	99	94	97	79	92	13	11		
VTMK138	TE MANIA KIRBY K138 ^{PV}	+256	+0.4	+7.7	-1.3	+4.8	+52	+88	+115	+94	+18	+2.5	-7.7	+66	+6.0	+1.7	+3.1	-1.9	+8.5	+0.83	+15	+0.78	+0.76	+0.94	\$253	\$408		
USA16295688	HBR	96%	90%	84%	99%	99%	98%	98%	98%	98%	98%	98%	86%	97%	97%	97%	97%	95%	97%	91%	99%	99%	99%	99%				
VTMH17		1	70	9	91	69	50	67	62	64	45	37	5	58	55	17	8	99	1	95	73	38	9	25	8	12		
VTMN424	TE MANIA NEBO N424 ^{PV}	+162	+9.1	-0.9	-6.6	+3.9	+53	+101	+134	+102	+28	+4.2	-4.5	+55	+6.6	-0.8	-4.0	+0.2	+3.9	-0.01	+47	+0.92	+0.86	+0.92	\$209	\$357		
VTMJ89	HBR	96%	91%	85%	99%	98%	98%	98%	98%	97%	97%	97%	78%	97%	96%	96%	97%	92%	95%	87%	98%	98%	98%	98%				
VTMJ214		6	4	85	20	49	43	29	23	50	2	5	55	85	48	67	95	59	17	25	1	67	25	20	48	48		
VTMN1387	TE MANIA NEON N1387 ^{SV}	+312	+1.3	+3.6	-6.3	+3.4	+45	+82	+104	+89	+19	+1.0	-7.5	+38	+3.3	-0.2	-0.8	-2.0	+10.	-0.13	+25	+0.72	+0.80	+0.90	\$228	\$372		
VTMK138	HBR	95%	82%	75%	98%	98%	98%	98%	97%	96%	93%	97%	74%	95%	94%	94%	95%	88%	94%	88%	98%	97%	98%	97%				
VTML452		1	63	48	23	38	79	80	82	71	38	86	6	99	84	54	60	99	1	16	33	26	14	16	26	35		
VTMP888	TE MANIA PESO P888 ^{PV}	+42	+7.0	+5.8	-5.2	+2.2	+57	+113	+144	+117	+25	+2.4	-6.5	+91	+6.8	-0.5	+1.3	+0.5	+1.5	-0.21	+23	+0.84	+1.08	+1.02	\$253	\$437		
VTMK226	HBR	94%	84%	78%	98%	98%	97%	98%	97%	96%	95%	95%	73%	95%	95%	94%	95%	89%	94%	85%	96%	96%	96%	94%				
VTMH423		75	14	25	38	16	26	8	11	28	8	40	16	6	45	61	25	41	71	12	39	51	76	49	8	4		
VTMQ854	TE MANIA QUEBEC Q854 ^{SV}	+48	+8.5	+1.8	-2.4	+1.5	+55	+95	+124	+84	+27	+1.4	-4.0	+71	+3.6	+1.7	-0.4	-0.4	+3.3	+0.57	+32	+0.62	+0.78	+0.76	\$215	\$350		
USA18229488	HBR	94%	87%	77%	98%	98%	97%	98%	97%	96%	93%	97%	64%	95%	94%	94%	95%	87%	94%	87%	97%	98%	98%	97%				
VTML1244		70	6	66	81	9	36	45	43	77	4	76	67	43	82	17	53	86	28	83	13	12	12	3	40	54		
VTMR970	TE MANIA RESOLUTION R970 ^{PV}	+81	+2.9	+4.1	-5.3	+3.5	+57	+108	+135	+106	+23	+2.0	-6.5	+79	+8.4	-0.1	-0.8	+0.6	+2.6	-0.26	+27	+0.86	+0.90	+1.20	\$256	\$421		
VTMP149	HBR	75%	75%	62%	95%	96%	94%	92%	92%	87%	78%	84%	51%	80%	80%	80%	80%	73%	80%	78%	93%	88%	88%	85%				
VTMP287		46	49	43	37	40	25	14	22	44	11	55	16	22	28	51	60	35	43	9	26	55	33	92	7	8		
Breed Average EBVs		+76.	+2.1	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.84	+0.96	+1.02	+205	+350		

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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	
VTMR795 NORH708 VTML1374	TE MANIA ROCCO R795 ^{SV} APR	+183 90% 3	+0.4 82% 70	+2.0 72% 65	-3.8 99% 61	+1.6 98% 10	+40 98% 92	+90 98% 62	+118 97% 56	+113 93% 34	+19 87% 34	+1.7 97% 66	-5.1 61% 41	+48 91% 93	+5.6 91% 60	+0.6 90% 36	-2.4 91% 83	+0.0 84% 70	+5.7 90% 3	+0.19 83% 46	+36 97% 7	+0.68 97% 19	+0.82 97% 17	+1.16 96% 86	\$187 71	\$339 63	
DXTR725 USA18962396 DXTM647	TEXAS ICEMAN R725 ^{PV} HBR	+62 82% 60	+0.7 85% 67	+1.6 71% 68	-3.6 99% 64	+3.6 98% 42	+53 98% 44	+99 97% 33	+124 93% 43	+103 92% 49	+15 87% 64	+2.2 96% 48	-2.7 55% 89	+74 87% 33	+11.0 87% 10	+2.3 86% 10	+4.7 86% 3	+0.2 86% 59	+1.7 86% 66	+0.51 83% 79	+38 96% 5	+1.24 92% 98	+0.84 92% 21	+0.58 89% 1	\$211 46	\$354 51	
DXTM100 USA15848590 DXTZ183	TEXAS MT KAPUTAR M100 ^{PV} HBR	+107 87% 28	+5.1 82% 28	+6.7 71% 16	-10.0 97% 2	+4.8 96% 69	+60 95% 16	+105 95% 19	+144 94% 11	+138 90% 9	+14 92% 70	+3.5 92% 12	-3.1 64% 84	+80 90% 21	+4.6 89% 72	-2.6 88% 93	-3.3 89% 91	+0.1 83% 65	+2.2 90% 53	+0.29 81% 57	+32 93% 12	+1.00 85% 80	+1.18 85% 90	+0.98 81% 36	\$186 73	\$364 42	
DBLF4 BNAD145 BNAC115	TOPBOS AMBASSADOR F4 ^{PV} HBR	+197 92% 2	-0.5 93% 75	-10.8 86% 99	+0.9 98% 99	+4.7 98% 67	+51 98% 52	+92 98% 54	+125 98% 40	+104 97% 47	+25 97% 6	+2.0 97% 55	-4.9 76% 45	+78 95% 25	+8.4 93% 28	-4.8 94% 99	-4.8 94% 97	+1.5 91% 5	+5.7 94% 3	-0.36 86% 6	+2 92% 98	+0.56 90% 7	+0.90 91% 33	+1.18 88% 89	\$228 26	\$355 50	
DBLL292 USA16295688 VSNF04	TOPBOS LEADING EDGE L292 ^{PV} HBR	+56 91% 64	+2.4 89% 53	+7.4 76% 11	-5.8 98% 29	+6.7 98% 94	+73 97% 1	+125 97% 2	+163 96% 2	+150 96% 4	+23 96% 14	+1.4 97% 76	-3.7 71% 73	+82 94% 16	+4.2 92% 76	-2.2 91% 90	-5.0 93% 98	+0.0 88% 70	+1.6 93% 69	+0.09 87% 35	+18 97% 61	+0.94 92% 71	+0.82 92% 17	+0.82 89% 6	\$219 37	\$405 14	
NZE17691009 NZE17691003Y167 NZE17691195Q263	TURIHAUA CRUMP E5 ^{SV} HBR	+26 94% 84	-1.9 94% 83	-0.4 87% 82	-5.8 97% 29	+3.1 98% 31	+28 98% 99	+58 98% 99	+83 98% 98	+91 97% 68	+14 97% 76	+0.9 98% 88	-8.8 90% 2	+17 95% 99	-0.8 95% 99	+5.3 95% 1	+4.1 95% 4	-0.4 94% 86	+1.5 95% 71	+0.46 88% 74	+29 91% 21	+0.62 84% 12	+1.22 84% 94	+1.18 79% 89	\$126 98	\$251 96	
NXTJ122 NORC574 NXTC89	TWYNAM J122 ^{PV} APR	+92 85% 38	+4.8 78% 31	+3.4 69% 51	-4.5 93% 49	+4.9 93% 71	+45 92% 79	+81 91% 84	+114 88% 65	+91 87% 67	+17 87% 53	+1.7 85% 66	-6.4 64% 17	+72 87% 40	+6.5 86% 49	+3.1 86% 5	-0.7 86% 58	+0.6 80% 35	+3.4 88% 26	+0.31 82% 59	-3 86% 99	+0.96 85% 74	+0.76 85% 9	+1.00 81% 42	\$219 36	\$363 43	
NXTL096 NXTH111 NXTJ078	TWYNAM L096 ^{SV} APR	+44 87% 73	+9.0 76% 4	+10.8 62% 1	-8.5 94% 6	+2.3 94% 18	+57 91% 25	+111 91% 10	+150 91% 6	+118 87% 26	+26 82% 4	+3.1 86% 20	-11.4 53% 1	+105 87% 1	+2.9 85% 87	+0.2 83% 45	+0.8 87% 32	-0.3 80% 83	+2.6 88% 43	-0.25 87% 10	+1 83% 99	+0.64 74% 14	+0.82 75% 17	+0.94 70% 25	\$285 1	\$491 1	
USA18066037 USA17262835 USA16924432	V A R LEGEND 5019 ^{SV} HBR	+73 88% 51	-6.4 81% 95	+4.6 71% 37	-6.3 96% 23	+5.1 96% 75	+69 95% 3	+121 94% 3	+147 94% 8	+156 91% 3	+7 89% 98	+2.7 90% 30	-3.8 62% 71	+86 90% 11	+9.0 89% 22	-4.0 88% 99	-6.0 87% 99	+1.3 81% 8	+1.9 90% 61	-0.24 80% 10	+16 89% 67	+1.06 97% 88	+0.64 96% 2	+0.84 81% 8	\$208 50	\$381 28	
NZE18954020 NZE21159016327 NZE18954118P105	WAITANGI R257 ^{PV} HBR	+176 77% 4	+1.1 69% 64	+1.4 60% 70	-6.2 96% 24	+3.7 96% 44	+52 94% 46	+91 95% 57	+118 94% 55	+97 90% 59	+26 81% 4	+3.2 90% 17	-8.5 52% 2	+64 81% 63	+9.3 82% 20	-0.5 82% 61	-1.3 82% 68	+0.2 76% 59	+5.3 82% 4	+0.75 82% 92	+20 89% 50	+0.82 90% 46	+0.70 90% 5	+0.70 86% 1	\$256 7	\$410 11	
LEJ21S102 NJWN498 ASHL24	WALLAWONG SAFE & SOUND HBR	+144 74% 11	+7.2 74% 12	+3.3 62% 52	-6.3 92% 23	+4.7 91% 67	+48 89% 66	+85 88% 73	+114 89% 64	+98 85% 57	+18 78% 41	+2.0 81% 55	-1.3 50% 98	+64 78% 64	+7.3 78% 39	-1.2 79% 76	-1.1 79% 65	+0.5 72% 41	+4.1 79% 15	+0.36 77% 65	+13 84% 79	+0.52 84% 4	+0.74 84% 8	+1.14 80% 82	\$185 73	\$319 76	
QKBP29 SMPG357 QKBM01	WARRAWEE PATROL P29 ^{PV} HBR	+55 85% 65	+7.1 80% 13	+10.3 72% 1	-11.9 96% 1	+2.9 94% 27	+54 93% 37	+103 92% 24	+138 92% 17	+131 89% 13	+18 83% 46	+2.5 88% 37	-10.4 66% 1	+101 86% 2	+9.7 85% 17	+3.8 85% 3	+2.5 86% 12	+0.2 79% 59	+2.0 87% 58	+0.63 78% 87	+30 88% 17	+0.76 78% 34	+1.18 78% 90	+1.00 74% 42	\$269 3	\$479 1	
NWPE111 USA14474596 NWPC36	WATTLETOP SITZ 458N E111 ^{SV} HBR	+115 91% 23	+4.6 90% 33	+7.1 81% 13	-3.7 97% 63	+2.8 98% 25	+51 97% 55	+91 97% 57	+124 97% 42	+94 95% 63	+25 96% 6	+1.9 95% 59	-1.4 74% 98	+84 94% 14	+5.5 92% 61	-4.1 92% 99	-3.5 93% 92	+0.9 89% 20	+2.7 93% 41	-0.54 86% 2	+25 95% 31	+0.98 87% 77	+0.96 88% 48	+1.12 83% 78	\$189 70	\$322 74	
Breed Average EBVs		+76.	+2.1	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.84	+0.96	+1.02	+205	+350	

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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		
CWDM5	WEATHERLY MOXY M5 ^{SV}	+46	+4.1	+6.6	-4.5	+4.1	+57	+101	+135	+114	+27	+2.6	-7.7	+93	+7.7	+2.7	-0.3	+0.5	+2.4	+0.28	+19	+0.94	+1.06	+1.00	\$254	\$429		
SMPG357	HBR	81%	72%	67%	93%	96%	95%	95%	94%	92%	89%	65%	86%	85%	86%	86%	81%	85%	82%	92%	93%	93%	87%					
CWDJ15		72	38	17	49	54	28	27	21	31	4	33	5	4	35	7	51	41	48	56	54	71	72	42	8	6		
JVC21S2	WRIGLEY SUPREME S2 ^{PV}	+132	+9.7	+8.4	-1.3	+2.5	+59	+108	+135	+89	+24	+3.9	-9.3	+88	+8.3	-1.8	-0.9	+0.9	+4.2	+0.70	+4	+0.96	+0.90	+1.02	\$320	\$497		
USA18636106	HBR	76%	72%	64%	97%	95%	94%	94%	91%	86%	79%	92%	53%	81%	78%	79%	79%	72%	80%	70%	92%	86%	88%	84%				
JVCQ83		15	2	6	91	20	20	15	21	71	10	7	1	9	29	85	61	20	13	90	96	74	33	49	1	1		
Breed Average EBVs		+76.	+2.1	+3.0	-4.5	+3.9	+52	+93	+120	+102	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.84	+0.96	+1.02	+205	+350		

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