

TACE 

TransTasman Angus Cattle Evaluation

ANGUS ImmuneDEX

RESEARCH BREEDING VALUES

OCTOBER 2020

BACKGROUND

Angus Australia has partnered with the Commonwealth Scientific and Industrial Research Organisation (CSIRO) to undertake research into the genetics of traits related to immune competence and resilience. An animal's resilience is defined as their capacity to cope with environmental challenges, especially those leading to disease, and to subsequently return to being productive.

This has involved collecting and analysing immune competence phenotypes on ~4000 Angus steers and heifers at weaning, primarily from the Angus Sire Benchmarking Program (ASBP). This information, combined with genotypes (i.e. DNA profiles), was analysed to determine genetic parameter estimates (heritabilities and correlations) and to produce Research Breeding Values for immune competence.

More specifically, immune competence was assessed by combining measures of antibody-mediated immune responses (Ab_IR), through a blood test, and cell-mediated immune responses (Cell_IR), through a skin reaction test. Pathogens, like the bacteria and viruses associated with Bovine Respiratory Disease (BRD), differ in the way they infect the host animal. For instance, many bacteria live outside host cells while viruses replicate within host cells. The immune system tailors how it responds to different pathogens with extra-cellular pathogens most effectively controlled by Ab_IR and intracellular pathogens most effectively controlled by Cell_IR.

Individuals identified as having a balanced ability to mount both a Cell_IR and Ab_IR response are expected to exhibit broad-based disease resistance against a wide range of pathogens. For this reason, an index value (ImmuneDEX) has been developed which combines research breeding values for the Cell_IR and Ab_IR traits into a single value. The process by which the ImmuneDEX value is generated ensures appropriate weightings are given to component traits so that high ImmuneDEX animals have a balanced response, and genetic gains in both traits are driven at similar rates.

The ImmuneDEX value is moderately heritable and negatively correlated with some of the production traits (e.g. carcass weight and eye muscle area), while being favourably correlated with the stress and temperament related traits.

Additionally, on a subset 1149 steers from this study, disease incidence during the feedlot feeding period was examined. Prior vaccination and minimal mixing with unfamiliar animals at feedlot entry provided a low disease risk environment in the study. Nonetheless, animals with superior immune competence phenotypes had significantly fewer health-related mortalities, and incurred substantially lower health related costs during feedlot finishing.

UNDERSTANDING THE ImmuneDEX RBV

The ImmuneDEX Research Breeding Values (RBVs) are provided in this publication for Angus Sire Benchmarking Program (ASBP) sires (n=321) that have at a minimum 25% accuracy for the RBV.

The ImmuneDEX RBV provides an estimate of genetic differences between animals for overall immune competence, a key component of resilience.

Higher ImmuneDEX RBVs indicate an animal is expected to produce progeny with an enhanced ability to resist disease challenges and therefore have lower disease incidence. Lower ImmuneDEX RBVs indicate an animal is expected to produce progeny with a higher incidence of disease and associated production losses.

USING THE RESEARCH BREEDING VALUES IN SELECTION

The ImmuneDEX RBVs in this publication will enable Angus breeders to place selection emphasis on immune competence and resilience traits, while continuing selection for other traits of importance within their breeding objective.

It is important to note that the RBVs for AB_IR and Cell_IR that underpin the ImmuneDex values are subject to greater potential change than EBVs routinely reported as part of the TransTasman Angus Cattle Evaluation (TACE), and ImmuneDEX RBVs should be used with caution in animal selection decisions.

ImmuneDEX RBVs, and the component Research Breeding Values for AB_IR and Cell_IR, may change as improvements are made to the analytical models that are used, and as additional performance information is collected and methodologies for assessing resilience traits continue to evolve.

ACKNOWLEDGEMENTS

Angus Australia gratefully acknowledges the ASBP co-operator herd owners for allowing access to animals for testing. Contributions of the Commonwealth Scientific and Industrial Research Organisation (CSIRO) are also acknowledged, and in particular, Dr Brad Hine, Dr Aaron Ingham, Dominic Niemeyer, Amy Bell, Dr Sonja Dominik, Dr Toni Reverter-Gomez, Dr Laercio Porto Neto and Dr Ian Colditz. Assistance provided by Bob Dent in the initial methodology development work is also gratefully acknowledged.

Meat and Livestock Australia (MLA) and the Australian Lot Feeders Association (ALFA) are acknowledged for co-funding projects related to the development and validation of the immune competence phenotyping methodology. MLA is further acknowledged for co-funding the Angus Sire Benchmarking Program (ASBP)

DISCLAIMER

The ImmuneDEX RBVs 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 - Research Breeding Values

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Ident	Name	Statistics																															
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert		Carcase				Feed		Tmp		Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS	
USA15719841	A A R TEN X 7008 S A ^{SV}					+34	+7.5	+6.1	-4.9	+2.5	+57	+102	+133	+102	+21	+2.3	-2.5	+78	+6.9	-2.2	-4.4	+2.0	+2.1	+0.44	-8	-9	-45	+1	\$138	\$131	\$151	\$133	
USA13880818 USA15151449	HBR	17	7	71%	40	94%	85%	99%	98%	98%	98%	98%	97%	97%	97%	82%	95%	94%	95%	94%	93%	94%	87%	97%	90%	89%	84%						
ESTE32	ABBOTT PERFORMER E32 ^{SV}					+23	+0.3	+4.8	-6.9	+5.8	+57	+96	+138	+120	+23	+2.7	-3.6	+93	+0.8	+0.3	+0.2	+0.6	-0.3	+0.38	-17	-16	+12	-3	\$105	\$100	\$91	\$114	
USA14885809 ESTZ31	HBR	16	2	64%	89	79%	70%	96%	96%	94%	94%	94%	91%	90%	89%	66%	91%	88%	91%	88%	85%	88%	84%	84%	58%	60%	49%						
AHWE21	ABERDEEN ESTATE EXCITE E21					+36	+1.6	+6.5	-4.1	+4.5	+50	+86	+114	+115	+13	+2.9	-5.5	+68	+4.0	+2.2	+1.0	-1.0	+3.0	+0.61	-7	-14	-15	-3	\$122	\$109	\$137	\$115	
VTMY437 VSNB03	HBR	5	2	43%	34	72%	63%	92%	91%	85%	85%	87%	81%	78%	76%	63%	83%	81%	85%	82%	79%	81%	76%	75%	37%	45%	33%						
NXOE91	AJC E91 ^{PV}					+44	+11.1	+3.5	-3.9	+5.2	+47	+77	+112	+99	+17	+1.9	-6.5	+58	+4.2	+0.3	+0.1	-2.0	+5.1	+0.53	-12	-13	-9	-6	\$137	\$108	\$172	\$120	
VLYZ191 NXOC626	APR	19	6	66%	9	84%	72%	97%	97%	96%	96%	95%	93%	90%	64%	91%	86%	89%	88%	85%	87%	80%	80%	70%	68%	63%							
NXOK41	AJC K41 ^{PV}					+41	-10.8	+3.3	-9.3	+5.5	+63	+108	+146	+127	+15	+1.6	-3.0	+82	+10.4	-1.9	-3.8	+2.6	+2.7	+0.02	-2	+2	-4	-3	\$142	\$124	\$165	\$133	
USA15719841 NXOH87	APR	11	7	57%	13	77%	62%	93%	93%	89%	88%	88%	82%	78%	75%	58%	86%	82%	86%	83%	82%	83%	78%	78%	67%	66%	57%						
NXOL172	AJC L172 ^{SV}					+33	+7.0	+7.0	-8.1	+2.8	+59	+105	+141	+121	+21	+1.2	-5.0	+79	+4.7	-1.3	-1.5	+1.2	+1.4	-0.81	+10	-37	-15	-20	\$143	\$129	\$151	\$140	
NXOF43 NXOJ432	APR	22	8	64%	50	67%	50%	93%	94%	90%	89%	86%	79%	67%	70%	42%	75%	73%	79%	75%	72%	75%	81%	81%	79%	77%	70%						
NXOL99	AJC L99 ^{PV}					+31	+7.0	+5.5	-6.1	+5.7	+66	+115	+150	+130	+17	+3.7	-7.9	+93	+7.6	-0.6	-0.6	+0.7	+3.2	+0.46	-3	-	-	-	\$177	\$148	\$206	\$161	
USA16073564 NXOJ112	APR	0	9	25%	56	70%	55%	95%	96%	93%	89%	90%	81%	70%	82%	45%	79%	63%	70%	69%	66%	67%	56%	82%	-	-	-						
DGJX36	ALLOURA EXPLOSION X36 ^{SV}					+24	-13.3	+1.6	+2.4	+7.3	+43	+70	+88	+96	+7	+1.7	-5.6	+53	+9.1	+0.1	+0.8	+0.7	+1.0	+0.02	-15	+0	+11	+3	\$76	\$81	\$68	\$79	
USA5321 VTMU380	HBR	0	1	34%	83	80%	72%	94%	94%	92%	91%	93%	90%	91%	83%	65%	88%	85%	88%	86%	83%	85%	80%	82%	37%	50%	40%						
DGJF27	ALLOURA FOURTH DIMENSION					+36	+13.3	+11.9	-4.4	-1.5	+26	+50	+56	+19	+12	+0.4	-6.4	+28	+5.9	+0.9	+0.9	-0.5	+3.4	-0.35	-12	-10	+19	+6	\$107	\$107	\$114	\$101	
VLYZ191 DGJX35	HBR	6	3	46%	33	77%	68%	91%	95%	92%	92%	92%	88%	82%	89%	65%	86%	84%	87%	84%	82%	84%	78%	85%	70%	73%	64%						
DGJG10	ALLOURA GET CRACKING G10 ^{SV}					+33	+10.1	+10.8	-3.6	+2.6	+43	+79	+85	+79	+13	-0.2	-8.2	+55	+13.5	+1.4	+0.1	-1.1	+5.0	+0.71	-19	+7	+29	-11	\$144	\$130	\$174	\$126	
VTMB1 DGJZ15	HBR	0	4	34%	46	82%	71%	98%	98%	97%	97%	97%	93%	88%	96%	66%	91%	90%	91%	89%	86%	89%	86%	94%	87%	87%	81%						
DGJG19	ALLOURA GET UP-AND-GO G19					+42	-5.2	-5.1	-2.5	+4.8	+44	+82	+107	+94	+20	+1.8	-7.0	+42	+2.7	-0.9	-0.9	+0.3	+1.5	+0.13	+6	+5	-7	-5	\$100	\$95	\$103	\$97	
VTMA217 DGJB06	HBR	6	3	47%	12	75%	66%	93%	94%	91%	91%	92%	86%	79%	88%	65%	87%	84%	87%	84%	82%	84%	81%	86%	72%	80%	71%						
DGJL94	ALLOURA LOCK STOCK &					+32	+7.8	+6.4	-5.0	+3.0	+53	+89	+116	+112	+13	+1.3	-3.9	+64	+3.8	+1.2	-1.4	+0.2	+1.8	-0.19	-3	+8	-1	+0	\$115	\$112	\$119	\$114	
USA15832750 DGJH24	HBR	9	8	49%	54	67%	53%	93%	91%	86%	86%	84%	78%	68%	74%	47%	74%	70%	76%	73%	71%	71%	73%	82%	62%	65%	52%						
CGKE9	ALPINE EXTRA SPECIAL E9 ^{SV}					+31	+5.5	-3.6	-7.4	+5.7	+32	+70	+104	+95	+15	+2.7	+1.6	+47	+3.2	-4.2	-3.6	+3.0	+0.3	+0.15	-23	+5	+13	-6	\$86	\$92	\$83	\$92	
NZE5141 CGKB79	HBR	7	3	45%	55	74%	62%	91%	95%	93%	92%	93%	86%	91%	86%	57%	88%	86%	89%	87%	83%	86%	80%	81%	56%	65%	62%						
Breed Average EBVs						+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114	

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		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert	Carcase				Feed		Tmp	Structural			Selection Index				
Dir	Dtrs						GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS		
TJTH33	ANTU EMULATION NEXT H33 ^{PV}					+41	+4.7	+5.7	-7.3	+1.3	+37	+67	+83	+81	+13	+0.7	-4.9	+44	+1.6	+2.6	+3.9	-1.0	-0.1	-0.41	+0	-24	-24	-39	\$75	\$87	\$49	\$88
USA24J USA15355044	HBR	0	5	48% 16	78% 33	71% 23	96% 11	94% 4	91% 95	90% 96	90% 97	86% 81	80% 83	77% 93	72% 46	88% 97	86% 98	89% 2	87% 1	87% 95	86% 99	82% 3	84% 69	73% 96	77% 96	69% 99	97	96	99	94		
HBUE183	ANVIL ENFORCER E183 ^{PV}					+30	+2.2	+3.9	-6.1	+3.7	+50	+88	+112	+75	+20	+2.1	-3.0	+70	+5.3	+0.4	-1.0	+1.7	-0.1	+0.63	+11	+6	+18	-1	\$102	\$110	\$86	\$111
USA14963730 USA14742276	HBR	12	2	57% 63	78% 51	66% 40	95% 22	96% 35	92% 34	93% 41	92% 50	86% 89	83% 22	90% 38	61% 80	89% 25	86% 56	89% 31	87% 67	84% 9	86% 99	82% 94	80% 32	45% 34	54% 8	40% 58	80	53	90	61		
HBUJ018	ANVIL J018 ^{PV}					+35	+9.9	+10.4	-10.5	+3.5	+52	+102	+130	+125	+9	+1.7	-5.3	+72	+0.8	-0.4	-1.0	-0.2	+1.4	-0.19	+13	-35	-14	-5	\$129	\$121	\$136	\$126
USA15848590 HBUG075	HBR	0	5	27% 37	71% 5	59% 2	95% 1	92% 31	87% 25	87% 8	88% 13	81% 9	74% 96	82% 58	57% 38	85% 22	83% 99	87% 57	84% 67	83% 79	83% 69	79% 11	78% 26	74% 99	74% 83	68% 75	28	18	35	22		
HBUJ301	ANVIL J301 ^{SV}					+30	-0.3	+0.7	-3.0	+3.4	+45	+77	+103	+91	+18	+0.9	-7.7	+53	-0.2	-0.8	-0.9	+0.3	+1.0	+0.39	+34	+16	+16	+0	\$100	\$97	\$98	\$99
USA16207085 VTMY147	HBR	0	5	29% 63	71% 68	58% 68	94% 73	94% 29	90% 69	91% 81	91% 73	84% 63	80% 38	79% 89	60% 7	87% 88	85% 99	88% 70	85% 64	84% 59	85% 84	85% 78	80% 1	81% 6	73% 11	76% 11	72% 50	82	86	82	85	
HBUK267	ANVIL KOKODA K267 ^{PV}					+47	+3.8	+3.7	-7.7	+4.5	+52	+93	+117	+96	+24	+1.9	-7.7	+57	+3.8	-0.8	-1.8	-0.3	+3.3	-0.30	+8	-6	-8	-3	\$135	\$121	\$157	\$123
HCAG015 HBUF158	HBR	21	7	68% 4	68% 39	56% 41	94% 8	91% 55	87% 25	88% 26	89% 37	81% 54	70% 5	75% 48	58% 7	87% 78	86% 81	89% 70	86% 85	86% 82	86% 9	83% 6	82% 40	81% 76	81% 73	73% 68	19	18	13	29		
WJMF96	ARDCAIRNIE F96 ^{SV}					+25	+8.5	+6.4	-4.7	+2.6	+51	+88	+121	+100	+16	+2.0	-5.1	+66	+7.7	-1.2	-0.6	+2.1	+1.1	-0.07	-6	+6	-3	+5	\$137	\$125	\$140	\$136
WJMB59 WJMD25	HBR	5	3	39% 82	84% 11	71% 18	98% 44	98% 14	96% 32	96% 41	96% 30	94% 45	92% 53	95% 43	60% 42	90% 42	88% 17	90% 81	87% 55	83% 4	86% 81	78% 21	86% 86	71% 34	77% 64	70% 21	16	11	30	7		
WJMJ27	ARDCAIRNIE J27 ^{SV}					+22	+10.0	+11.4	-8.7	+2.8	+58	+103	+142	+136	+11	+0.8	-5.4	+97	+3.3	+1.8	+0.1	-0.9	+1.8	+0.36	-13	-21	-27	-3	\$140	\$121	\$148	\$136
USA15354674 WJMG96	HBR	31	6	70% 90	76% 5	66% 1	96% 4	96% 17	93% 6	94% 7	94% 4	90% 4	83% 90	86% 91	63% 37	91% 1	88% 87	91% 6	88% 34	88% 94	88% 52	88% 75	85% 96	83% 94	79% 98	79% 98	72% 70	12	18	21	7	
WJMM117	ARDCAIRNIE M117 ^{SV}					+32	+8.6	+5.9	-6.6	+3.7	+57	+99	+139	+147	+10	+3.0	-6.1	+87	+8.1	-1.0	-1.5	+1.4	+1.5	+0.17	+6	-	-	-	\$148	\$127	\$162	\$141
WJMF96 WJMG78	HBR	0	9	28% 52	68% 10	54% 22	92% 17	93% 35	87% 9	87% 12	83% 5	78% 2	69% 93	73% 10	45% 25	75% 2	65% 13	70% 76	67% 79	66% 14	65% 65	58% 50	74% 48	-	-	-	6	8	10	3		
NAQD196	ARDROSSAN DIRECTION D196					+31	+8.2	+3.4	-7.0	+2.3	+41	+71	+89	+73	+12	+0.1	-4.0	+63	+7.2	-1.8	-4.0	+1.2	+2.0	+0.70	+39	+0	-18	+0	\$103	\$106	\$108	\$100
NAQW109 NDIW171	HBR	0	1	34% 60	81% 12	72% 44	96% 13	96% 11	94% 85	95% 92	95% 93	89% 90	93% 85	92% 98	70% 84	89% 55	87% 23	89% 92	87% 99	85% 20	86% 44	80% 44	85% 96	85% 1	33% 62	48% 90	35% 53	78	66	72	83	
NAQA241	ARDROSSAN EQUATOR A241 ^{PV}					+34	-0.3	+3.1	-4.9	+4.1	+50	+91	+121	+107	+22	+3.1	-8.2	+88	+5.5	-2.2	-2.0	+1.8	+1.9	+0.21	+12	+5	+24	+16	\$138	\$122	\$154	\$128
USA2928 NAQW38	HBR	0	1	61% 43	99% 68	97% 47	99% 41	99% 45	99% 35	99% 31	99% 28	99% 31	99% 12	99% 8	95% 4	98% 2	98% 52	98% 96	98% 88	98% 7	98% 48	96% 56	99% 29	99% 41	97% 2	97% 1	94% 1	15	16	16	18	
NAQE162	ARDROSSAN EXACT E162 ^{PV}					+33	+6.8	+6.3	-5.0	+2.1	+47	+86	+117	+81	+28	+3.3	-5.8	+77	+4.9	-2.1	-0.1	+1.4	+0.4	-0.66	+6	-22	-6	+12	\$121	\$115	\$114	\$124
NAQA241 NAQX17	HBR	10	2	55% 47	73% 19	67% 19	91% 39	89% 9	86% 53	86% 51	87% 39	83% 81	75% 1	79% 6	65% 30	85% 10	83% 63	87% 95	84% 40	81% 14	84% 96	80% 1	82% 47	61% 95	61% 71	51% 3	45	36	65	26		
NAQF21	ARDROSSAN FAIRFAX F21 ^{PV}					+22	+3.3	-6.5	-9.5	+4.3	+40	+70	+96	+75	+19	+0.5	-2.3	+64	+8.3	+1.4	+2.4	+1.7	-1.3	+0.12	-18	+4	-3	+6	\$80	\$90	\$46	\$96
USA14885809 NAQD17	HBR	9	2	53% 89	86% 43	76% 97	98% 2	98% 50	96% 88	96% 93	97% 86	94% 89	94% 26	95% 96	66% 88	91% 49	90% 12	91% 11	90% 3	87% 9	89% 99	83% 44	88% 99	40% 45	58% 64	36% 19	96	94	99	88		
NAQH255	ARDROSSAN HONOUR H255 ^{PV}					+26	-1.2	-2.6	-3.1	+4.4	+44	+76	+101	+89	+12	+2.1	-6.4	+60	+5.8	+1.3	-0.2	+0.9	+2.7	+0.91	-11	+9	+27	-14	\$122	\$110	\$137	\$113
NORE11 NAQD17	HBR	30	6	72% 80	93% 73	82% 88	99% 72	99% 53	98% 71	98% 82	98% 77	97% 68	96% 87	98% 38	97% 20	98% 66	94% 46	95% 12	94% 43	95% 31	93% 21	92% 99	90% 93	97% 24	92% 1	91% 93	88% 19	43	53	34	56	
Breed Average EBVs						+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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Dir	Dtrs						GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS		
QQFH147	ASCOT HALLMARK H147 ^{PV}					+32	-4.6	+2.3	-5.3	+7.6	+62	+113	+162	+151	+19	+3.3	-7.9	+86	-0.8	+1.0	+1.2	-1.4	+2.3	+0.59	-1	-4	+11	+14	\$145	\$113	\$165	\$135
VTME343 NMMF123	HBR	0	5	36% 51	89% 88	77% 55	98% 34	98% 98	98% 2	98% 1	98% 1	95% 1	94% 29	97% 6	69% 6	93% 2	92% 99	93% 17	92% 11	90% 98	91% 33	86% 93	96% 71	82% 74	82% 23	74% 2	8	42	8	8		
HIOE7	AYRVALE BARTEL E7 ^{PV}					+30	+11.9	+12.7	-5.2	+1.6	+49	+86	+112	+67	+27	+2.3	-10.5	+70	+7.7	-0.7	+0.4	+0.4	+3.0	+0.56	-12	+14	-6	-7	\$160	\$136	\$178	\$147
VTMB219 BVB32	HBR	13	2	67% 60	98% 2	94% 1	99% 36	99% 5	99% 44	99% 50	99% 51	99% 94	99% 1	99% 30	90% 1	98% 25	97% 17	98% 67	98% 26	97% 54	97% 14	95% 91	99% 94	96% 10	97% 71	94% 80	1	2	3	1		
HIOG11	AYRVALE GENETIC G11 ^{PV}					+26	-3.7	-14.5	-6.0	+5.2	+65	+117	+160	+133	+21	+1.5	-4.3	+74	+2.2	-3.1	-1.2	+0.6	+2.2	-0.05	+22	-17	-6	+0	\$138	\$118	\$154	\$132
SEWD138 HIOE2	HBR	18	6	61% 80	84% 84	72% 99	98% 24	97% 72	96% 1	96% 1	96% 1	95% 5	92% 17	93% 68	59% 58	91% 14	88% 95	90% 99	89% 72	86% 45	88% 36	80% 23	86% 9	77% 91	78% 71	70% 50	15	26	16	11		
HIOL21	AYRVALE LEGACY L21 ^{PV}					+35	-0.1	-19.2	-6.0	+3.7	+56	+104	+144	+141	+23	+0.6	-2.5	+92	+11.0	-2.9	-1.3	+1.8	+2.1	-0.12	+15	-14	-8	-9	\$132	\$114	\$145	\$127
VTMG555 HIOG13	HBR	11	7	53% 39	73% 67	62% 99	96% 24	94% 35	90% 11	91% 6	90% 3	82% 3	73% 6	86% 94	57% 86	86% 1	84% 2	87% 99	84% 75	84% 7	84% 40	76% 16	85% 21	72% 88	72% 74	60% 86	23	39	24	20		
NBBG105	BALD BLAIR DAVID G105 ^{PV}					+30	-3.5	-5.8	-3.7	+6.7	+44	+75	+98	+100	+4	+1.7	-5.1	+22	+9.2	-1.8	+0.3	+2.1	+3.2	-0.26	+12	-29	-3	-9	\$130	\$116	\$152	\$117
NBBD34 NBBD171	APR	0	4	25% 62	75% 84	63% 96	95% 62	95% 93	92% 70	93% 86	94% 83	90% 45	85% 99	88% 58	64% 42	89% 99	87% 7	90% 92	87% 29	84% 4	87% 10	82% 8	91% 29	82% 99	81% 64	76% 84	27	32	17	45		
NBBD34	BALD BLAIR DEBONAIR D34 ^{SV}					+23	-1.1	+0.4	-3.7	+5.1	+50	+87	+115	+105	+16	+2.3	-4.9	+42	+4.7	+0.3	+1.0	-0.2	+2.9	-0.27	+4	-21	-14	-12	\$122	\$110	\$136	\$116
NBBA16 NBBX14	HBR	0	1	27% 86	92% 72	83% 70	98% 62	98% 70	98% 36	98% 44	98% 43	96% 35	97% 57	97% 30	72% 46	94% 98	93% 67	94% 34	93% 14	91% 79	92% 16	86% 7	94% 57	70% 94	74% 83	63% 91	43	53	35	47		
NBBC126	BALD BLAIR HIGHLANDER C126					+38	-3.0	-10.3	-3.2	+4.0	+44	+75	+106	+107	+16	+1.4	+0.3	+64	+3.3	-1.8	-1.3	+0.9	+1.1	+0.52	-6	+5	+13	+16	\$73	\$80	\$65	\$80
NBBZ58 NBBY191	HBR	7	2	44% 25	82% 82	73% 99	95% 70	96% 43	95% 70	95% 85	96% 67	94% 32	95% 51	93% 73	64% 99	91% 51	89% 87	91% 92	89% 75	86% 31	88% 81	82% 89	91% 84	57% 37	66% 18	58% 1	98	98	97	98		
NBBG117	BALD BLAIR NEW DESIGN G117					+39	+0.5	-3.3	-3.4	+4.2	+41	+82	+109	+97	+25	+3.1	-3.9	+60	+5.7	+0.2	+1.4	+0.7	+1.7	-0.25	-8	+5	+8	-2	\$110	\$104	\$113	\$109
USA14474596 NBBC174	HBR	10	3	50% 22	72% 63	64% 90	92% 67	91% 48	88% 84	88% 66	89% 59	84% 52	80% 4	81% 8	62% 66	85% 68	83% 48	87% 37	84% 9	81% 40	82% 56	78% 8	81% 88	50% 41	65% 35	61% 61	67	72	66	66		
NBBJ94	BALD BLAIR RIGHT ANSWER J94					+28	+2.6	+2.7	-1.9	+3.5	+67	+117	+152	+113	+29	+3.4	+0.3	+91	+3.1	+0.3	-1.5	+0.5	+1.4	+0.14	+20	+10	-3	+9	\$121	\$121	\$118	\$126
USA15832750 NBBG152	HBR	0	5	29% 72	74% 48	61% 51	97% 86	95% 31	93% 1	93% 1	94% 1	89% 23	85% 1	89% 59	60% 8	89% 99	87% 1	89% 87	90% 34	87% 79	87% 49	86% 69	81% 46	91% 11	82% 63	84% 19	79% 63	45	18	60	22	
ECMJ137	BANNABY ABERDEEN J137 ^{PV}					+28	-6.8	+3.8	-9.8	+8.4	+60	+114	+156	+161	+19	+0.8	-1.3	+69	+6.3	-3.0	-5.3	+2.4	-0.2	-0.52	+2	+18	-5	-8	\$110	\$106	\$110	\$113
USA15840414 CCVB227	HBR	27	6	70% 71	76% 93	67% 41	93% 2	92% 99	89% 4	90% 1	90% 1	84% 1	82% 31	81% 91	65% 95	88% 30	87% 37	89% 99	87% 99	86% 2	86% 99	82% 2	83% 63	76% 3	78% 68	72% 82	67	66	70	56		
ECMD34	BANNABY ADMIRAL D34 ^{PV}					+26	+0.9	-7.0	-1.4	+4.4	+44	+82	+102	+90	+21	+2.5	-3.1	+70	+9.9	+1.6	-4.4	+1.2	+1.8	+0.44	+40	-	-3	+4	\$95	\$100	\$100	\$94
NAQA2 NAQW53	HBR	0	1	32% 78	76% 60	68% 98	90% 91	94% 53	91% 71	91% 65	92% 75	85% 66	86% 17	86% 22	69% 79	88% 28	85% 4	89% 8	86% 99	84% 20	85% 52	80% 83	81% 1	-	-	42% 64	26% 30	87	81	80	90	
ECMM114	BANNABY BERKLEY M114 ^{SV}					+20	+6.7	+6.8	-10.1	+4.6	+59	+101	+142	+167	+9	+4.1	-9.0	+78	-0.4	-1.1	-1.3	+0.0	+2.2	-0.29	+11	-	-	-	\$147	\$121	\$171	\$134
VTMB1 BBAZ107	HBR	0	9	36% 93	71% 20	63% 16	94% 2	91% 58	86% 5	83% 8	81% 4	77% 1	71% 97	73% 1	58% 2	75% 9	68% 99	73% 79	70% 75	70% 72	69% 36	64% 6	78% 31	-	-	-	6	18	5	9		
ECMJ56	BANNABY DAIQUIRI J56 ^{PV}					+29	+5.9	+2.3	-5.5	+4.9	+38	+72	+93	+84	+19	+4.1	-10.3	+42	+1.4	+1.7	+4.0	-2.4	+4.5	+0.16	+10	+14	+3	+6	\$133	\$109	\$161	\$116
VTMD19 CCVC240	HBR	28	6	70% 67	73% 25	64% 55	93% 31	91% 65	88% 93	89% 91	90% 90	82% 77	78% 24	81% 1	63% 1	87% 99	85% 98	88% 7	86% 1	84% 99	85% 1	82% 49	82% 34	82% 10	76% 50	77% 17	71% 17	22	57	10	47	
Breed Average EBVs						+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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Ident	Name	Statistics																												
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert	Carcase				Feed	Tmp	Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM
ECME1 USA13058662 BBBX83	BANNABY HYTIME E1 ^{PV} HBR	18	2	+21 62% 91	-8.8 73% 96	+3.6 66% 42	-8.9 92% 4	+6.5 91% 92	+56 87% 11	+95 87% 12	+131 82% 31	+107 76% 2	+26 77% 68	+1.5 65% 86	-2.5 88% 6	+80 87% 34	+6.5 89% 89	-1.6 87% 83	-1.7 87% 83	+0.7 83% 40	+2.6 85% 24	-0.57 85% 1	+11 82% 32	+6 47% 36	-24 63% 96	-5 46% 77	\$114 59	\$103 74	\$126 48	\$110 64
ECMK63 NZE14647008839 ECMH45	BANNABY REALITY K63 ^{PV} HBR	17	7	+40 62% 17	+5.8 73% 25	+2.5 61% 53	-3.8 92% 60	+3.6 94% 33	+44 88% 73	+76 89% 82	+104 90% 70	+103 82% 38	+13 71% 79	+1.8 78% 53	-1.4 57% 94	+55 88% 83	+6.9 86% 28	-0.2 89% 51	-2.0 86% 88	+1.1 86% 23	+1.1 86% 81	-0.03 83% 25	+23 81% 7	+19 72% 3	+4 72% 46	-9 64% 85	\$96 86	\$99 83	\$92 86	\$100 83
ECMK173 USA16916944 BNAE159	BANNABY RESERVE K173 ^{PV} HBR	29	7	+36 69% 34	+4.3 71% 36	-1.0 60% 80	-5.1 94% 37	+5.9 92% 85	+52 88% 24	+81 89% 67	+111 89% 54	+117 82% 17	+10 73% 95	+1.0 76% 86	-3.9 60% 66	+65 87% 45	+8.4 85% 11	-0.2 88% 51	-1.8 86% 85	+2.0 85% 5	+2.1 85% 40	+0.08 84% 38	+12 87% 29	+15 81% 7	-2 80% 62	+9 72% 10	\$124 38	\$114 39	\$135 36	\$118 42
VONH467 VONX060 VONF386	BANQUET HUMPHRIE H467 ^{SV} HBR	0	5	+42 29% 12	+0.4 76% 64	+1.7 63% 60	-4.3 93% 51	+5.3 93% 74	+38 90% 94	+80 91% 72	+96 90% 86	+89 85% 68	+10 82% 95	+1.2 85% 80	-1.8 60% 92	+47 88% 95	+4.1 85% 77	-2.9 89% 99	-1.8 86% 85	+1.4 85% 14	+0.9 85% 87	-0.66 82% 1	+14 77% 23	+12 67% 15	+3 70% 49	+6 64% 20	\$91 90	\$102 77	\$87 89	\$94 90
WMYF3 VLYC402 WMYD120	BLACKROCK F3 ^{SV} HBR	4	3	+45 39% 7	+6.7 74% 20	+2.8 64% 50	-10.6 95% 1	+2.2 94% 10	+50 91% 35	+87 90% 45	+117 91% 39	+80 86% 83	+15 81% 68	+1.3 88% 77	-2.6 62% 85	+76 87% 10	+4.7 84% 64	-0.6 87% 31	+0.2 85% 40	+0.7 81% 40	+1.3 84% 74	+0.62 79% 94	+11 88% 32	+6 58% 35	+5 70% 43	+9 67% 9	\$118 51	\$114 39	\$114 65	\$122 31
NGXE617 USA14237157 NGXA30	BONGONGO E617 ^{PV} HBR	13	2	+50 57% 3	-2.5 71% 79	+3.1 62% 47	-2.3 90% 82	+3.1 91% 23	+41 87% 84	+82 87% 64	+103 88% 74	+99 83% 46	+14 77% 73	+1.6 79% 63	-5.7 61% 31	+65 86% 44	+2.2 84% 95	+1.6 87% 8	-1.8 84% 85	-0.8 81% 93	+2.2 84% 36	+0.19 81% 53	+15 78% 19	+5 49% 38	-15 55% 85	+12 39% 4	\$98 84	\$96 88	\$107 73	\$94 90
NGXH171 NORE11 NGXF605	BONGONGO H171 ^{SV} HBR	0	5	+23 37% 88	+11.1 73% 3	+3.3 65% 45	-8.6 92% 4	+1.6 90% 5	+43 87% 76	+83 86% 59	+110 88% 57	+78 85% 85	+22 77% 11	+3.6 74% 3	-11.3 63% 1	+71 87% 22	+1.7 85% 97	+1.2 88% 13	+0.6 85% 22	-0.6 84% 89	+3.3 85% 9	-0.02 82% 26	-16 81% 98	+8 66% 27	+5 69% 43	-9 63% 86	\$148 6	\$123 14	\$172 5	\$132 11
NGXL8 NZE14647008839 AHWG106	BONGONGO L8 ^{PV} HBR	13	7	+34 59% 42	+10.4 70% 4	+10.2 61% 2	-6.7 90% 16	+1.5 87% 5	+47 84% 53	+85 84% 53	+110 86% 55	+98 80% 48	+19 71% 32	+3.0 72% 10	-5.5 60% 35	+59 84% 70	+4.9 83% 63	+1.7 86% 7	-2.9 83% 96	+0.4 84% 54	+2.8 83% 19	+0.07 79% 37	-6 79% 84	-31 69% 99	-5 68% 68	+5 58% 23	\$127 32	\$118 26	\$144 25	\$118 42
NUIF32 NGMC196 NUID96	BONNY BROOKE FALCO F32 ^{SV} HBR	0	4	+33 26% 48	-5.1 62% 89	-4.3 49% 93	-0.5 90% 95	+5.5 87% 78	+52 87% 25	+83 86% 63	+116 88% 40	+97 80% 52	+18 69% 35	-0.2 63% 99	-3.4 55% 74	+61 82% 63	-1.0 78% 99	+4.0 83% 99	+3.8 80% 1	-3.2 77% 99	+1.0 79% 84	-0.38 72% 4	-8 77% 89	+7 61% 30	+20 60% 5	-8 57% 84	\$70 98	\$70 99	\$50 99	\$82 97
HCAF49 VTMB1 HCAB29	BOONAROO FEDERATION F49 ^{PV} HBR	24	6	+28 67% 72	+13.6 79% 1	+7.8 69% 10	-10.5 95% 1	+1.8 96% 6	+42 94% 80	+84 95% 56	+121 89% 30	+110 89% 27	+30 91% 1	+0.9 93% 89	-3.8 67% 67	+70 91% 26	+1.9 89% 97	+0.3 89% 34	-3.9 88% 99	+0.1 89% 68	+0.4 89% 96	-0.03 85% 25	-14 90% 96	-9 81% 82	-12 84% 80	-11 78% 88	\$94 88	\$92 92	\$89 88	\$98 86
HCAG013 VTMA217 VTMZ618	BOONAROO GRAVITY G013 ^{PV} HBR	0	4	+45 41% 7	+7.8 82% 14	+2.2 73% 56	-5.6 98% 29	+3.9 97% 40	+50 96% 39	+88 96% 42	+117 88% 39	+110 87% 27	+27 87% 1	+3.7 95% 3	-7.4 70% 9	+59 89% 69	+6.0 89% 43	-2.3 90% 97	-2.9 88% 96	+1.8 85% 7	+2.7 88% 21	-0.61 83% 1	+0 92% 68	+13 77% 11	+13 87% 19	-11 80% 89	\$140 12	\$124 12	\$163 9	\$127 20
HCAK72 HCAG020 HCAG111	BOONAROO KERNAL K72 ^{PV} HBR	14	7	+15 58% 99	+10.6 68% 4	+9.0 54% 5	-7.4 91% 10	+1.8 93% 6	+48 90% 51	+102 90% 7	+129 89% 14	+101 81% 42	+25 75% 3	+1.6 87% 63	-2.8 53% 83	+90 86% 1	+3.7 83% 83	-3.6 87% 99	-5.0 84% 99	+1.9 83% 6	+0.3 83% 97	-0.28 78% 7	+20 76% 12	+12 71% 15	+24 77% 2	-15 68% 93	\$117 53	\$121 18	\$115 64	\$119 39
NGMD310 USA14739204 NGMW188	BOOROOMOOKA DIGNITY D310 HBR	0	1	+35 31% 36	+4.7 82% 33	+0.3 73% 71	-2.9 96% 74	+4.1 96% 45	+52 94% 27	+91 95% 31	+111 94% 55	+94 93% 57	+14 93% 73	+2.2 93% 34	-7.6 67% 8	+54 89% 86	+1.6 88% 98	+3.8 90% 1	+2.0 88% 5	-0.8 85% 93	+0.9 87% 87	+0.35 80% 74	+0 94% 68	-16 68% 90	+7 79% 36	+5 54% 24	\$111 65	\$110 53	\$103 77	\$113 56
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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Sire Dam	Name	Statistics																												
		Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert	Carcase				Feed	Tmp	Structural			Selection Index				
						Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN
NGME468 NGMC130 NGMC252	BOOROOMOOKA EARTHWATCH HBR	12	2	+30 53% 61	+6.3 72% 22	+2.9 60% 49	-5.2 91% 36	+4.1 91% 45	+46 88% 64	+76 87% 82	+111 89% 54	+105 81% 35	+13 78% 81	+1.1 75% 84	-1.6 56% 93	+42 85% 98	+7.3 82% 22	-0.7 86% 67	-2.7 83% 95	+2.7 79% 1	-0.3 82% 99	-0.26 78% 8	-13 83% 95	+0 55% 61	-29 65% 99	+0 50% 53	\$99 83	\$101 79	\$87 89	\$107 71
NGMF510 NAQA241 NGMZ5	BOOROOMOOKA FRANKEL F510 HBR	6	3	+37 53% 30	-3.7 92% 84	-9.9 84% 99	-4.9 98% 41	+7.6 98% 98	+61 98% 3	+106 98% 5	+145 98% 3	+138 97% 4	+19 97% 31	+2.8 97% 14	-4.4 76% 56	+73 94% 17	+8.2 94% 13	-1.9 94% 93	-2.3 94% 92	+3.0 92% 1	+1.5 92% 65	-0.64 87% 1	+9 97% 37	+2 74% 55	+1 81% 54	+5 73% 21	\$139 13	\$123 14	\$154 16	\$132 11
NGMG501 NGME116 NGMB69	BOOROOMOOKA GALILEO G501 HBR	0	4	+28 26% 70	+11.6 82% 2	+6.5 67% 18	-9.1 96% 3	+2.1 97% 9	+52 96% 26	+97 96% 16	+138 96% 6	+100 94% 44	+22 93% 12	+0.2 95% 98	-5.4 64% 37	+77 90% 9	+2.8 88% 92	-0.9 90% 73	-0.6 88% 55	+0.5 84% 49	+1.7 87% 56	-0.35 80% 4	+13 97% 26	-30 86% 99	-29 89% 99	-5 83% 77	\$144 8	\$123 14	\$153 16	\$140 4
NGMH605 USA14963730 NGMZ5	BOOROOMOOKA HYPERNO HBR	0	5	+29 37% 69	-14.5 89% 99	-0.8 79% 79	-4.5 98% 47	+7.1 98% 96	+53 97% 20	+93 98% 25	+124 98% 23	+121 96% 13	+14 95% 76	+1.8 97% 53	-4.1 71% 62	+67 93% 39	+7.2 92% 23	+0.2 93% 37	+0.4 92% 26	+1.9 91% 6	+1.0 91% 84	-0.31 86% 6	-16 97% 98	-7 95% 80	-17 96% 89	-7 93% 81	\$104 77	\$98 85	\$103 77	\$104 77
NGME124 NAQA241 NGMB325	BOOROOMOOKA INSPIRED E124 HBR	11	2	+23 61% 88	-5.3 95% 90	+2.1 88% 57	-6.6 99% 17	+3.7 99% 35	+47 98% 55	+82 98% 65	+107 98% 64	+95 98% 55	+15 98% 67	+1.0 98% 86	-10.3 81% 1	+68 95% 35	+2.2 95% 95	-1.9 95% 93	+2.4 95% 3	-0.3 93% 82	+2.3 94% 33	+0.63 89% 94	+8 98% 39	-17 92% 91	-4 93% 63	+15 85% 2	\$126 34	\$109 57	\$136 35	\$117 45
NGMC502 NGMA289 NGMW208	BOOROOMOOKA JIM CAREW HBR	0	1	+40 28% 19	-8.3 80% 96	+4.5 71% 34	+3.2 92% 99	+6.7 97% 93	+42 95% 80	+79 95% 73	+105 96% 69	+100 94% 45	+18 94% 38	-0.1 93% 99	-4.0 62% 64	+47 90% 96	-0.2 88% 99	-2.0 90% 94	+0.5 88% 24	-0.1 85% 76	+3.3 87% 9	+0.26 80% 63	+3 96% 59	+19 73% 3	+17 79% 9	+6 42% 18	\$104 77	\$95 89	\$122 54	\$95 89
NGMK9 BNAD145 NGMA281	BOOROOMOOKA KINGY K9^{PV} HBR	21	6	+26 62% 79	-4.8 81% 88	-7.5 72% 98	-2.2 96% 83	+6.3 97% 90	+49 95% 44	+86 96% 49	+118 96% 37	+123 91% 11	+19 88% 27	+2.6 93% 19	-10.7 66% 1	+69 88% 28	+8.9 88% 8	+0.8 89% 21	-0.3 87% 46	+0.5 87% 49	+4.1 86% 2	+0.41 81% 80	-4 96% 79	-5 81% 76	+6 84% 40	+5 78% 21	\$150 4	\$117 29	\$187 1	\$128 18
NGMK270 HIOE7 NGMH766	BOOROOMOOKA KULGERA HBR	13	7	+21 60% 92	+7.1 72% 17	+5.7 63% 23	-4.4 93% 49	+4.2 94% 48	+55 91% 15	+94 91% 23	+133 83% 10	+86 73% 73	+26 86% 2	+2.7 61% 17	-7.7 86% 7	+72 86% 19	+7.3 83% 22	-2.9 86% 99	-4.4 83% 99	+2.4 84% 2	+2.1 82% 40	+0.28 77% 65	+9 92% 37	+12 76% 15	+11 78% 24	+10 70% 6	\$158 2	\$134 2	\$178 3	\$146 2
NGML173 VTME343 NGME389	BOOROOMOOKA LEROY L173^{SV} HBR	15	8	+41 58% 14	+1.1 72% 59	+6.4 63% 18	-6.2 95% 21	+5.5 95% 78	+58 91% 6	+101 92% 9	+136 91% 8	+125 82% 10	+8 73% 98	+2.0 83% 48	-4.8 46% 48	+71 78% 23	+3.0 79% 90	-0.5 82% 61	-0.5 79% 52	-0.1 77% 76	+2.8 79% 19	+0.50 81% 87	+3 92% 58	-2 80% 67	-2 81% 63	+0 76% 53	\$142 10	\$123 14	\$161 10	\$133 10
NGMC196 USA13898124 NGMA198	BOOROOMOOKA MIDLAND C196 HBR	0	1	+39 32% 22	+2.4 73% 50	-1.2 64% 81	-4.8 91% 42	+3.8 91% 38	+46 94% 63	+79 93% 75	+116 94% 41	+98 86% 48	+16 88% 57	+0.8 76% 91	-4.7 64% 50	+72 88% 22	+3.6 85% 84	+3.1 88% 1	+3.5 85% 1	-1.6 83% 99	+0.6 85% 94	-0.16 79% 13	-3 80% 77	+1 27% 60	-3 45% 64	+0 36% 52	\$98 84	\$88 95	\$83 91	\$106 73
NGMD105 USA14237157 NGMB31	BOOROOMOOKA ON TIME D105 HBR	0	1	+36 35% 32	+3.9 79% 39	+5.6 70% 24	-4.9 95% 41	+1.8 96% 6	+31 94% 99	+59 94% 99	+76 94% 99	+63 91% 96	+7 89% 99	+1.8 92% 53	-5.5 65% 35	+38 88% 99	+2.0 87% 96	+1.4 89% 11	+1.0 87% 14	+0.1 84% 68	+1.6 86% 61	-0.39 80% 3	+23 89% 7	+2 66% 54	+16 65% 11	-2 41% 64	\$95 87	\$97 86	\$93 86	\$95 89
NGME184 USA13058662 NGMA281	BOOROOMOOKA SO YOU THINK HBR	10	2	+39 56% 23	-9.9 72% 98	+0.0 66% 73	-4.9 93% 41	+7.9 91% 99	+59 86% 5	+97 86% 16	+144 88% 3	+137 83% 4	+12 77% 86	+3.8 76% 2	-4.6 64% 52	+50 85% 92	+1.4 83% 98	-1.6 86% 89	-1.8 84% 85	+1.3 81% 17	+1.3 84% 74	-1.11 80% 1	-14 83% 97	+11 58% 16	+8 65% 34	+13 54% 3	\$117 53	\$99 83	\$126 48	\$113 56
BOWK2 VTME343 NAQZ31	BOWMAN AUSTRALIA K2^{PV} HBR	20	6	+31 68% 58	+6.7 74% 20	+5.2 68% 28	-7.2 92% 11	+3.7 88% 35	+49 86% 41	+96 86% 18	+121 87% 30	+108 82% 29	+20 78% 23	+4.6 75% 1	-10.3 67% 1	+75 86% 14	+6.4 84% 36	+0.7 87% 23	-0.8 85% 61	+0.8 83% 35	+2.0 84% 44	-0.42 80% 3	+19 80% 13	+17 72% 5	+14 70% 15	+11 66% 5	\$150 4	\$132 3	\$168 6	\$138 5
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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Ident	Name	Statistics																															
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert	Carcase					Feed		Tmp		Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS	
SRKK306 NJWG279 TFAD58	BOWMONT KING K306 ^{PV} HBR	16	7	+28 60% 72	+0.1 77% 65	-10.5 67% 99	-4.3 96% 51	+4.9 97% 65	+51 95% 29	+80 95% 65	+107 95% 65	+89 86% 68	-1 82% 99	-0.1 93% 99	-5.2 58% 40	+75 90% 13	+14.9 89% 1	+0.1 91% 41	-3.3 89% 98	+1.5 89% 12	+3.8 88% 4	+0.73 84% 97	+23 91% 7	+22 70% 2	+22 71% 3	-13 63% 92	\$140 12	\$121 18	\$167 7	\$126 22			
BONK065 USA16060001 MBHG030	BRIDGEWATER STIMULUS K65 APR	21	8	+32 65% 50	-4.3 65% 87	+4.2 50% 37	-10.8 94% 1	+8.0 92% 99	+61 88% 3	+106 89% 4	+151 88% 2	+136 80% 4	+6 69% 99	+2.5 79% 22	-1.5 45% 94	+77 76% 10	+4.4 74% 72	-0.6 79% 64	+0.8 76% 18	+0.9 73% 31	+0.7 75% 92	-0.41 78% 3	+31 80% 2	+2 75% 53	+10 73% 26	+5 64% 24	\$126 34	\$112 46	\$125 50	\$129 16			
AMQH29 USA24J CCVB251	BROOKLANA DREAM H29 ^{PV} HBR	24	6	+36 69% 32	-7.9 76% 95	-3.9 68% 92	-4.9 93% 41	+6.5 92% 92	+44 90% 70	+76 90% 84	+100 90% 80	+87 83% 71	+16 80% 58	+1.6 79% 63	-2.4 65% 87	+53 88% 87	+9.7 86% 5	-4.0 89% 99	-3.0 86% 97	+3.3 86% 1	+0.7 85% 92	-0.05 83% 23	+11 81% 31	-10 75% 84	-10 74% 77	-6 67% 79	\$92 89	\$97 86	\$88 89	\$94 90			
AMQL29 VTME343 AMQH24	BROOKLANA EMPEROR L29 ^{PV} HBR	0	9	+23 35% 88	-5.5 74% 90	-0.3 64% 75	-5.3 91% 34	+5.9 92% 85	+45 88% 66	+83 84% 60	+116 84% 40	+98 80% 48	+16 71% 56	+0.5 78% 96	-4.3 58% 58	+60 77% 68	+6.6 72% 32	+0.7 75% 23	-0.5 74% 52	+0.1 73% 68	+1.9 70% 48	+0.07 65% 37	+7 76% 46	- - -	- - -	- - -	\$109 69	\$97 86	\$115 64	\$106 73			
AMQH64 VTME343 AMQF27	BROOKLANA HI TOWER H64 ^{PV} HBR	22	6	+45 65% 6	-5.0 74% 89	+1.3 65% 63	+0.1 93% 97	+5.4 91% 76	+52 88% 27	+100 88% 10	+140 89% 5	+133 82% 5	+18 76% 35	+1.9 74% 48	-1.8 63% 92	+76 86% 11	+6.5 84% 34	+1.6 88% 8	-0.7 85% 58	-0.2 83% 79	+2.4 85% 30	+0.74 81% 97	+15 80% 22	-5 74% 76	+10 71% 27	+2 67% 42	\$121 45	\$104 72	\$134 37	\$117 45			
AMQL39 NZE04379 AMQH11	BROOKLANA INFINITY L39 ^{SV} HBR	18	8	+37 65% 29	-6.0 71% 92	-2.1 63% 86	-2.6 94% 78	+5.3 91% 74	+46 86% 62	+85 86% 52	+114 85% 45	+126 79% 9	+12 71% 84	+2.3 70% 30	-8.2 59% 4	+57 76% 79	-1.1 76% 99	+0.8 81% 21	+1.7 77% 6	-2.5 76% 99	+2.5 77% 26	+0.01 83% 30	+8 83% 40	-14 76% 88	-1 74% 61	+16 63% 1	\$100 82	\$86 96	\$110 70	\$93 91			
AMQK57 NZE14647008839 NJGF39	BROOKLANA M REALITY K57 ^{SV} HBR	14	7	+35 61% 38	+9.4 72% 7	+0.4 62% 70	-5.8 95% 26	+3.9 92% 40	+56 88% 10	+105 87% 5	+138 88% 6	+145 81% 2	+18 72% 40	+2.6 77% 19	-2.9 61% 82	+77 86% 9	+6.8 84% 29	+2.5 87% 3	-4.8 84% 99	+0.8 83% 35	+2.1 84% 40	+0.54 80% 90	+2 81% 63	-28 72% 98	-25 70% 96	-9 60% 84	\$125 36	\$117 29	\$142 27	\$119 39			
AMQJ64 VTME343 NJGE17	BROOKLANA TM EMPEROR J64 HBR	32	6	+18 70% 96	-2.3 72% 78	-0.7 63% 78	-8.4 94% 5	+8.7 91% 99	+66 88% 1	+124 89% 1	+173 90% 1	+180 82% 1	+12 73% 85	+2.9 78% 12	-4.5 64% 54	+99 89% 1	+4.3 87% 74	-0.2 90% 51	-0.6 87% 55	+1.2 87% 20	+0.5 87% 95	-0.50 85% 2	-12 83% 94	+14 77% 10	-25 79% 97	+5 73% 21	\$146 7	\$124 12	\$156 14	\$143 2			
QPDF24 USA14963730 QPDA28	BULLIAC FORWARD LEAP F24 ^{PV} HBR	6	3	+24 48% 83	+6.6 74% 20	+5.0 63% 29	-9.4 91% 2	+3.1 88% 23	+42 88% 82	+75 88% 90	+89 90% 81	+81 86% 77	+13 83% 77	+0.3 62% 82	-2.2 86% 89	+44 86% 98	+8.0 83% 14	-1.0 87% 76	-0.5 85% 52	+3.1 82% 1	-0.4 84% 99	-0.05 80% 23	-20 75% 99	-10 52% 84	-1 62% 61	-12 56% 90	\$95 87	\$112 46	\$77 94	\$105 75			
QBUG49 VTMB1 QBUE5	BURENDA GEIGER COUNTER HBR	0	4	+20 35% 94	+12.0 83% 2	+12.5 72% 1	-7.8 96% 7	+2.0 96% 8	+39 94% 90	+81 95% 68	+101 93% 78	+77 93% 86	+16 91% 54	+1.9 93% 48	-9.8 69% 1	+58 90% 74	+2.1 89% 96	+1.3 91% 12	-1.0 89% 67	-1.3 86% 97	+3.7 88% 4	+0.28 83% 65	+17 95% 15	-17 72% 91	-22 73% 95	-3 65% 68	\$139 13	\$121 18	\$166 7	\$123 29			
HTMJ41 VTMB1 VXXB459	CAMPASPE ROCKS FOCUS J41 ^{PV} HBR	0	5	+28 37% 74	+5.9 71% 25	+8.1 65% 8	-8.5 89% 5	+4.6 88% 58	+52 84% 23	+88 83% 44	+118 85% 35	+123 80% 11	+11 73% 92	+2.3 73% 30	-7.0 64% 13	+65 81% 46	+7.9 79% 15	+1.2 83% 13	-1.2 80% 72	+0.9 78% 31	+2.2 79% 36	+0.31 76% 69	-11 77% 94	+8 64% 26	-14 66% 84	-7 58% 82	\$139 13	\$123 14	\$155 15	\$130 14			
HYEJ7 VTMB1 VSNG08	CHELTENHAM PARK BERKLEY J7 HBR	17	7	+17 63% 97	-10.4 74% 98	-1.4 66% 82	-7.4 94% 10	+9.1 93% 99	+76 88% 1	+130 88% 1	+182 89% 1	+196 82% 1	+17 73% 44	+3.5 76% 4	-5.8 62% 30	+100 87% 1	+5.7 85% 48	+0.2 85% 37	-1.7 85% 83	+0.8 85% 35	+1.7 85% 56	-0.28 83% 7	-17 82% 98	+14 71% 10	-36 74% 99	+11 63% 5	\$147 6	\$118 26	\$167 7	\$138 5			
WLHJ19 USA16027094 USA14969726	CHERYLTON GRASSMASTER J19 HBR	0	5	+31 35% 56	-8.4 71% 96	-7.0 59% 98	-4.7 90% 44	+5.6 90% 80	+48 86% 51	+86 86% 50	+116 86% 41	+104 81% 36	+19 72% 32	+0.9 80% 89	-2.8 56% 83	+64 86% 49	+0.7 84% 99	-1.3 87% 83	-1.6 84% 81	+0.0 86% 72	+1.3 84% 74	+0.04 80% 33	-10 76% 92	-8 58% 81	-17 65% 88	-3 56% 70	\$80 96	\$82 98	\$77 94	\$83 97			
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114			

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Ident	Name	Statistics																												
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert	Carcase				Feed	Tmp	Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM
WLHG60 NZE04379 CGKB24	CHERYLTON INFINITY G60 ^{SV} HBR	9	3	+35 53% 39	+4.8 77% 32	+4.2 70% 37	-6.5 94% 18	+1.2 94% 3	+43 89% 79	+75 90% 85	+96 90% 87	+93 84% 60	+14 78% 77	+2.8 87% 14	-4.5 65% 54	+56 88% 80	+5.3 85% 56	-3.7 88% 99	-0.7 86% 58	+1.2 83% 20	+1.8 85% 52	+1.10 82% 99	+13 82% 24	+8 58% 28	+2 67% 53	-5 61% 76	\$111 65	\$110 53	\$114 65	\$108 69
WLHJ20 SPLF92 WLHD54	CHERYLTON RAVEN J20 ^{PV} HBR	0	5	+36 30% 35	-13.6 68% 99	-10.7 57% 99	-2.1 91% 84	+8.4 88% 99	+57 85% 9	+95 86% 21	+132 86% 11	+148 82% 2	+3 72% 99	+1.7 73% 58	-0.7 56% 97	+71 85% 22	+6.8 83% 29	-3.2 87% 99	-0.6 83% 55	+1.1 83% 23	+2.5 83% 26	-0.15 80% 14	-4 79% 80	-1 65% 65	+3 68% 49	+8 61% 13	\$103 78	\$92 92	\$116 62	\$99 85
WLHG40 USA14378386 USA14924149	CHERYLTON RITO LEGACY 3R9 HBR	7	3	+28 56% 72	-15.8 65% 99	-6.0 52% 97	+2.9 91% 99	+7.7 90% 98	+33 87% 98	+50 86% 99	+59 88% 99	+46 81% 99	+6 70% 99	-0.1 72% 99	-1.4 60% 94	+26 87% 99	+7.4 85% 21	+1.7 88% 7	+4.2 85% 1	+1.0 82% 27	-0.1 85% 99	-0.95 82% 1	-22 81% 99	-31 72% 99	+16 74% 10	+3 71% 37	\$35 99	\$59 99	\$1 99	\$51 99
WLHD19 USA13058662 USA14311946	CHERYLTON STEWIE D19 ^{PV} HBR	0	1	+27 39% 77	+2.3 92% 50	+2.8 83% 50	-5.0 98% 39	+3.3 98% 26	+47 98% 57	+91 98% 31	+115 98% 44	+96 96% 53	+20 96% 18	+2.1 97% 38	-3.7 70% 69	+62 94% 59	+3.7 93% 83	-1.5 93% 87	+1.7 93% 6	-0.2 90% 79	+2.9 92% 16	+0.10 87% 41	+2 95% 61	+7 81% 29	-17 85% 88	+4 77% 31	\$127 32	\$118 26	\$139 31	\$121 34
GTNM3 NORE11 GTNJ4	CHILTERN PARK MARBLES M3 HBR	20	8	+23 73% 86	+4.1 76% 37	-4.7 67% 94	-6.4 96% 19	+2.6 94% 14	+39 92% 90	+76 92% 83	+92 91% 90	+51 83% 99	+25 74% 3	+2.9 81% 12	-9.7 61% 1	+56 80% 81	+6.7 80% 19	+0.9 84% 19	-0.8 81% 61	+1.2 79% 20	+3.5 81% 6	+0.06 82% 36	+2 87% 63	-7 78% 79	+16 80% 12	-2 74% 64	\$141 11	\$126 9	\$165 8	\$125 24
GTNM6 VTMF734 VSNF15	CHILTERN PARK MOE M6 ^{PV} HBR	0	9	+33 27% 49	+9.4 72% 7	+4.9 57% 30	-2.0 98% 85	+2.3 97% 11	+51 94% 31	+100 93% 10	+137 91% 7	+103 82% 39	+28 71% 1	+2.1 88% 38	-6.6 48% 18	+72 78% 20	+7.5 77% 20	-0.9 80% 73	-1.3 78% 75	+0.1 75% 68	+2.5 75% 26	+0.09 62% 40	+40 85% 1	+4 55% 43	+8 51% 35	+7 45% 14	\$151 4	\$127 8	\$169 6	\$142 3
NRZH028 NORC511 NRZA019	CLEA H028 ^{SV} APR	27	6	+42 71% 12	+9.6 72% 6	+6.9 63% 15	-7.2 94% 11	+1.7 91% 6	+37 87% 94	+75 87% 86	+93 89% 90	+70 82% 92	+24 74% 4	+0.7 75% 93	-3.5 65% 73	+57 88% 77	+12.5 87% 1	+1.2 90% 13	-0.8 87% 61	+0.8 88% 35	+4.2 87% 2	+0.17 85% 50	+9 81% 36	-5 77% 74	+18 73% 8	-3 70% 70	\$136 17	\$124 12	\$161 10	\$124 26
THCL61 WDCE11 THCF92	CLUDEN NEWRY ELEVATOR L61 HBR	17	8	+24 64% 85	+1.4 72% 57	+1.3 60% 63	-4.6 93% 46	+5.6 94% 80	+60 91% 4	+115 90% 1	+154 90% 1	+154 83% 1	+17 76% 48	+2.2 80% 34	-2.1 54% 90	+87 78% 2	+7.3 78% 22	-2.6 82% 98	-1.9 79% 86	+1.7 77% 9	+1.7 79% 56	+0.35 80% 74	+27 90% 4	+2 84% 55	+13 83% 20	-6 78% 78	\$145 8	\$129 5	\$160 11	\$140 4
NBHF318 USA14237157 NBHB31	CLUNIE RANGE FERRARI F318 ^{PV} HBR	17	2	+44 59% 9	-4.4 72% 87	-1.8 63% 84	-6.2 93% 21	+5.6 92% 80	+55 89% 13	+99 88% 12	+134 90% 9	+115 83% 20	+17 78% 41	+2.0 84% 77	-3.2 61% 83	+96 88% 1	+3.8 86% 86	-2.8 89% 99	-2.1 86% 89	+0.5 83% 49	+1.9 86% 48	-0.81 84% 1	-3 81% 77	-12 60% 87	+15 62% 12	+1 51% 47	\$116 55	\$106 66	\$125 50	\$113 56
NBHF526 USA13346328 NBHD124	CLUNIE RANGE FIRST CLASS HBR	9	3	+35 51% 38	-5.9 75% 91	+1.8 64% 59	-5.4 95% 32	+6.5 94% 92	+64 91% 1	+114 91% 1	+151 92% 2	+106 86% 33	+18 80% 32	+1.4 84% 73	-2.7 66% 84	+98 89% 1	+3.7 87% 83	+0.1 90% 41	-1.0 88% 67	+0.0 86% 72	+0.9 87% 87	+0.16 83% 49	+0.16 86% 98	-17 73% 92	-19 77% 59	-1 73% 84	\$118 51	\$112 46	\$114 65	\$123 29
NBHK330 NJWG279 NBHH381	CLUNIE RANGE KALUHA K330 ^{PV} HBR	24	7	+10 65% 99	+1.7 76% 55	-7.0 64% 98	-6.4 97% 19	+5.4 97% 76	+57 94% 9	+99 94% 12	+132 95% 11	+113 86% 22	+18 78% 34	+1.3 94% 77	-7.8 60% 6	+88 90% 2	+10.2 89% 4	+1.0 90% 17	-0.5 88% 52	+1.2 89% 20	+3.2 88% 10	+0.31 84% 69	-9 93% 90	+11 78% 16	+8 77% 32	-22 70% 99	\$160 1	\$133 3	\$186 2	\$145 2
NBHL348 NZE14647008839 AHWJ81	CLUNIE RANGE LEGEND L348 ^{PV} HBR	13	7	+24 59% 83	-2.1 84% 78	+9.0 69% 5	-8.2 99% 6	+6.4 98% 91	+60 97% 4	+101 97% 8	+130 97% 13	+156 88% 1	+4 80% 99	+3.2 97% 7	-8.7 61% 2	+73 88% 17	+1.9 90% 97	+3.5 90% 1	+0.3 88% 29	-1.4 87% 98	+3.0 88% 14	+0.15 81% 48	+10 96% 34	+12 89% 15	+24 89% 2	+2 84% 39	\$133 22	\$114 39	\$156 14	\$120 36
NIWJ202 NMMD211 NIWC22	COFFIN CREEK JOKER J202 ^{PV} HBR	27	6	+31 66% 59	-5.9 68% 91	-2.5 51% 87	-4.9 92% 41	+7.2 92% 97	+47 89% 56	+92 89% 30	+132 90% 11	+137 85% 4	+14 77% 75	+4.0 82% 2	-2.9 55% 82	+69 87% 29	+4.8 85% 65	+0.6 88% 26	+2.1 85% 4	+1.1 85% 23	+0.4 84% 96	-0.58 81% 1	+9 84% 38	+20 73% 3	-37 77% 99	+9 69% 10	\$109 69	\$98 85	\$106 74	\$112 58
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS
USA16450113	CONNELLY SENSATION 964 ^{PV}					+22	-12.7	-2.2	+1.4	+6.2	+58	+93	+112	+102	+12	+1.1	-0.5	+67	+6.7	-1.0	-2.5	+2.1	+0.6	+0.28	+14	+2	+15	+0	\$75	\$93	\$63	\$84
USA15543702 USA15148684	HBR	7	2	49%	91	76%	64%	96%	95%	93%	93%	87%	90%	87%	57%	89%	86%	89%	85%	83%	86%	78%	79%	39%	51%	43%						
VCCE38	COOLANA AFRICA E38 ^{SV}					+30	+9.3	+8.3	-5.8	+0.8	+32	+70	+89	+75	+23	+1.5	-7.0	+27	+6.7	-1.6	-1.7	+1.3	+2.3	-0.31	+17	+2	-10	-2	\$123	\$115	\$137	\$115
VTMA217 VCCC91	HBR	9	2	48%	60	72%	63%	91%	91%	87%	86%	88%	84%	78%	83%	61%	84%	81%	85%	82%	80%	81%	77%	75%	35%	47%	37%					
VCCK026	COOLANA CONVERSION - K026					+27	+7.7	-0.6	-4.9	+1.1	+35	+61	+71	+62	+15	+1.0	-7.8	+36	+5.1	+0.7	+0.6	-1.0	+3.4	-0.41	-6	+15	+14	+2	\$103	\$100	\$114	\$95
USA16262077 VCCD136	HBR	25	6	65%	75	75%	66%	95%	95%	90%	91%	91%	85%	79%	89%	61%	88%	85%	88%	85%	85%	85%	82%	83%	73%	72%	68%					
VCCH185	COOLANA H185 ^{PV}					+31	+2.0	+4.2	-6.6	+2.4	+46	+76	+105	+81	+21	+1.6	-1.4	+70	+4.5	-0.8	-0.5	+0.6	+1.2	+0.16	-17	+4	-16	+3	\$93	\$97	\$84	\$100
USA15504526 VCCB102	HBR	0	5	30%	57	74%	65%	92%	95%	91%	91%	87%	82%	90%	59%	87%	84%	87%	85%	83%	83%	80%	77%	68%	70%	62%						
VCCE56	COOLANA INFINITY E56 ^{SV}					+33	+4.7	-4.3	-0.3	+3.2	+42	+75	+93	+68	+6	+1.3	-4.0	+65	+4.9	-3.9	-2.7	-0.7	+4.7	+1.44	+1	+7	-12	+1	\$119	\$110	\$147	\$106
NZE04379 VCCC84	HBR	12	2	54%	44	83%	74%	96%	97%	94%	94%	93%	88%	88%	94%	67%	90%	88%	90%	88%	85%	86%	83%	80%	50%	61%	47%					
VCCH36	COOLANA NEW DAY H36 ^{PV}					+40	+5.0	-0.8	-4.8	+5.6	+50	+88	+114	+113	+11	+0.4	-5.4	+63	+5.8	+0.7	+0.7	+0.1	+1.4	-0.22	+25	-6	-21	-6	\$117	\$110	\$118	\$116
USA14675445 CCVC292	HBR	0	5	25%	20	74%	64%	94%	93%	90%	90%	91%	84%	76%	84%	57%	88%	86%	89%	86%	86%	85%	82%	89%	75%	78%	67%					
VCCC71	COOLANA RIGHT TIME C71 ^{PV}					+41	-18.1	-4.2	-2.2	+5.6	+40	+80	+105	+71	+22	+4.8	-7.1	+53	+7.7	+0.1	+1.5	+1.9	+0.8	+0.16	-12	-	+7	+4	\$96	\$90	\$91	\$96
USA13058662 VCCX3	HBR	0	1	30%	13	84%	76%	96%	96%	95%	94%	94%	92%	93%	93%	67%	89%	87%	88%	87%	84%	85%	78%	82%	-	37%	25%					
VCCC58	COOLANA WHITWORTH C58 ^{SV}					+36	+1.4	+10.1	-7.3	+2.6	+37	+69	+92	+75	+19	+1.6	-5.6	+56	+3.4	+4.2	+2.1	-1.1	+0.6	+0.39	+4	-1	-2	+5	\$86	\$88	\$71	\$93
NDIW134 VCCX13	HBR	0	1	25%	34	85%	73%	97%	97%	95%	95%	93%	93%	94%	65%	89%	88%	89%	88%	84%	86%	79%	77%	27%	47%	30%						
WDCH249	COONAMBLE HECTOR H249 ^{SV}					+29	+0.0	-1.4	-9.0	+4.3	+44	+78	+101	+84	+1	+1.2	-3.3	+63	+9.0	+1.8	+2.1	+0.8	+0.7	-0.56	+35	+3	+23	+10	\$106	\$106	\$95	\$112
USA14885809 WDCE9	HBR	0	5	37%	68	89%	76%	98%	98%	97%	98%	97%	94%	93%	97%	68%	93%	92%	92%	91%	89%	90%	84%	96%	77%	83%	68%					
WDCJ266	COONAMBLE JUNIOR J266 ^{PV}					+38	-5.4	-4.0	-1.0	+5.5	+56	+102	+143	+131	+21	+2.0	-5.2	+98	+9.0	-3.2	-3.8	+2.7	+3.1	-0.30	-5	+9	+8	+9	\$154	\$127	\$187	\$138
BNAD145 WHHA61	HBR	22	6	69%	28	83%	72%	98%	97%	96%	95%	96%	91%	88%	93%	67%	89%	88%	90%	88%	86%	87%	82%	92%	73%	83%	66%					
WDCK314	COONAMBLE KEVIN K314 ^{PV}					+61	+1.1	+1.8	-2.6	+4.4	+52	+98	+128	+114	+22	+4.3	-7.5	+87	+3.7	+0.4	+1.1	-0.5	+1.8	+0.17	+14	+10	+19	-1	\$129	\$115	\$137	\$124
NAQA241 WDCC94	HBR	13	7	56%	1	76%	64%	94%	96%	93%	91%	92%	85%	78%	87%	62%	87%	85%	88%	85%	84%	84%	79%	79%	65%	63%	57%					
DPCG4	CUDGEGONG PARK GRANGE G4					+33	+3.8	-1.2	-3.2	+4.2	+46	+85	+108	+113	+7	+1.1	-5.7	+57	+4.6	-0.2	+3.2	-2.4	+2.7	+0.04	-3	+14	+19	+13	\$113	\$102	\$119	\$109
NZE04379 VLYA271	HBR	0	4	37%	50	79%	70%	93%	97%	96%	95%	95%	90%	91%	94%	66%	89%	88%	90%	88%	85%	87%	82%	81%	67%	67%	61%					
CWDH42	DAVID'S HARVEY ALLBANGER					+21	-3.9	+1.8	-4.2	+5.8	+44	+76	+106	+92	+21	+2.4	+1.4	+36	+9.7	-1.8	-1.4	+3.0	+0.0	-0.39	-2	-10	-12	-13	\$84	\$94	\$68	\$95
VTMD19 CWDB402	HBR	25	6	70%	92	74%	65%	93%	93%	89%	89%	90%	84%	80%	84%	65%	87%	86%	89%	86%	87%	86%	81%	83%	74%	74%	69%					
Breed Average EBVs						+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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Ident	Name	Statistics																															
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert		Carcase				Feed		Tmp		Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS	
EDUJ41	DENHOLM GLEN G10 BARTEL					+49	+10.2	+10.4	-5.9	+2.0	+43	+82	+100	+58	+25	+2.8	-7.4	+41	+8.4	-1.9	+0.8	+1.6	+1.7	-0.28	+12	+24	-30	-1	\$139	\$131	\$142	\$134	
HIOE7 EDUG10	HBR	42	6	73%	4	74%	65%	95%	92%	90%	90%	91%	83%	75%	77%	67%	90%	89%	91%	88%	88%	88%	87%	88%	82%	84%	78%						
NGCJ267	DULVERTON JACKPOT J267^{SV}					+29	-9.6	-6.8	-5.3	+7.9	+55	+97	+140	+156	+7	+2.4	-4.1	+73	+3.7	-0.4	-1.9	+1.0	+2.0	+0.39	+11	-4	-9	+0	\$117	\$98	\$134	\$109	
NGMF510 NGCB112	HBR	22	6	63%	69	76%	64%	96%	96%	92%	93%	93%	88%	83%	91%	61%	87%	86%	88%	86%	84%	85%	79%	81%	73%	71%	66%						
NGCL154	DULVERTON LARRY L154^{PV}					+34	+1.4	+6.4	-8.5	+6.0	+50	+95	+135	+111	+19	+1.0	-3.2	+82	+4.1	+0.1	-1.1	+0.5	+1.6	+0.87	-20	-2	+19	+8	\$128	\$112	\$136	\$126	
NGCH035 NGCH060	HBR	18	7	64%	42	60%	44%	90%	89%	90%	91%	92%	81%	67%	85%	46%	87%	85%	88%	85%	87%	84%	80%	77%	69%	67%	58%						
NGCM028	DULVERTON MEDAGLIA M028^{PV}					+36	-11.6	-3.2	-4.8	+8.9	+70	+120	+167	+161	+10	+1.7	-3.3	+89	+4.5	-0.5	-1.3	+0.3	+2.1	-0.42	+7	-	-	-	\$132	\$110	\$148	\$127	
QHEJ134 NGCK204	HBR	0	9	26%	33	61%	51%	93%	85%	86%	79%	79%	74%	64%	72%	39%	71%	61%	67%	64%	63%	61%	53%	70%	-	-	-						
BHRE614	DUNOON EVIDENT E614^{PV}					+24	-13.8	-19.3	-0.1	+6.0	+52	+91	+112	+108	+15	+3.7	-5.2	+59	+11.7	-2.2	-0.9	+2.9	+1.5	+0.33	+31	+8	-2	-11	\$104	\$102	\$108	\$100	
VTMB219 BHRB681	HBR	9	2	55%	84	96%	89%	99%	99%	99%	99%	99%	98%	98%	98%	82%	97%	96%	96%	96%	95%	90%	98%	89%	89%	83%							
BHRH744	DUNOON HIGHPOINT H744^{SV}					+30	-7.7	-7.6	-4.0	+6.8	+57	+97	+132	+131	+19	+3.2	-6.1	+87	+5.3	-1.7	-1.4	+1.8	+1.4	-0.78	+13	+11	+13	+3	\$119	\$106	\$128	\$114	
BNAD145 BHRD202	HBR	29	6	70%	63	79%	69%	97%	96%	94%	94%	95%	89%	87%	93%	66%	90%	88%	90%	88%	86%	87%	83%	91%	75%	74%	71%						
ASRG13	DWYERS RANGE GATSBY G13^{SV}					+18	-0.1	+2.8	-8.5	+7.0	+55	+96	+131	+130	+14	+2.0	-4.8	+77	+5.1	-2.1	-4.1	+1.4	+2.5	-0.02	-8	-3	+3	+17	\$132	\$117	\$155	\$122	
VTMB1 DNWC8	HBR	0	4	35%	96	76%	68%	94%	93%	90%	89%	90%	84%	82%	79%	66%	87%	84%	87%	85%	82%	84%	80%	87%	69%	69%	58%						
TDHD42	ENTALLY FOREST KAINE D42^{SV}					+32	-4.5	-8.8	-1.4	+6.2	+48	+87	+107	+84	+22	+1.9	-4.1	+49	+6.9	+0.0	+1.5	+0.6	+0.4	-0.13	+2	+0	+20	+0	\$89	\$96	\$74	\$97	
USA24J TKAY17	HBR	0	1	31%	55	69%	63%	87%	88%	84%	85%	87%	81%	74%	77%	62%	85%	83%	87%	84%	81%	84%	81%	75%	38%	52%	37%						
WWEF4	ESSLEMONT F4^{SV}					+26	+7.9	+3.7	-3.5	+2.5	+40	+72	+92	+63	+25	+2.9	-8.7	+47	+7.8	+1.1	-0.5	+0.3	+2.8	-0.37	+4	+2	-23	-8	\$127	\$115	\$141	\$118	
NXTY17 WWED2	HBR	12	2	50%	78	68%	59%	90%	89%	84%	83%	86%	79%	72%	68%	59%	83%	81%	85%	82%	79%	82%	78%	79%	29%	54%	40%						
WWEL3	ESSLEMONT LOTTO L3^{PV}					+17	-6.5	-6.6	-5.6	+4.2	+58	+106	+138	+121	+25	+3.6	-10.2	+86	+10.3	+0.0	-0.3	+1.0	+4.3	+0.43	+6	-8	-31	-2	\$172	\$136	\$211	\$149	
HIOG18 WWEJ8	HBR	30	7	70%	97	89%	76%	99%	99%	98%	98%	98%	93%	89%	97%	60%	92%	92%	90%	89%	90%	87%	97%	94%	95%	91%							
USA16873429	EXAR CONCISE 1304B^{PV}					+31	-7.9	-3.6	+1.1	+6.6	+49	+80	+103	+85	+15	+2.4	+0.4	+59	+12.7	-3.6	-6.2	+3.6	+3.4	-0.06	-2	-24	-33	+5	\$109	\$110	\$131	\$101	
USA16447771 USA15937395	HBR	9	3	46%	59	66%	54%	92%	91%	88%	88%	89%	83%	77%	73%	60%	88%	86%	89%	85%	81%	86%	82%	84%	71%	76%	67%						
NFSM6	FARRER M6^{PV}					+37	+6.1	+6.3	-5.4	+1.6	+47	+88	+105	+71	+30	+0.6	-10.3	+65	+8.3	-1.3	-0.8	+1.0	+2.6	+0.39	-1	+3	+6	-8	\$148	\$134	\$163	\$136	
USA17366506 NFSK45	HBR	18	8	64%	30	69%	60%	92%	89%	84%	85%	83%	78%	70%	73%	52%	75%	75%	80%	76%	74%	76%	80%	81%	79%	78%	71%						
NFSM99	FARRER MAXWELL M99^{PV}					+33	-10.8	-1.7	+0.6	+8.2	+65	+111	+150	+146	+15	+4.4	-8.5	+86	+11.4	-1.2	-2.3	+2.7	+2.7	-0.16	+19	+0	-1	+3	\$163	\$132	\$194	\$145	
BHRH240 NFSH124	HBR	0	9	28%	44	65%	51%	94%	92%	86%	79%	79%	74%	64%	69%	41%	70%	60%	67%	63%	63%	61%	53%	80%	40%	42%	28%						
Breed Average EBVs						+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114	

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Ident	Name	Statistics																															
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert		Carcase				Feed		Tmp		Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS	
NZE18681012	FOSSIL CREEK HERO H006 ^{SV}					+33	-14.1	+6.2	-5.5	+4.0	+45	+71	+83	+30	+16	+1.9	-6.0	+44	+8.3	+1.7	+5.3	+0.5	+0.7	+0.91	-8	+14	+12	-3	\$85	\$92	\$60	\$94	
USA15511451 NZE1868110817	HBR	0	5	27%	47	81%	67%	96%	96%	95%	95%	91%	90%	91%	90%	65%	91%	89%	88%	88%	83%	82%	69%	73%	67%								
USA16295688	G A R PROPHET ^{SV}					+32	+3.1	+4.4	-1.0	+3.5	+66	+108	+132	+86	+27	+0.7	-8.5	+70	+6.1	+0.5	+0.3	-1.0	+4.1	+0.87	+9	+22	-7	+11	\$159	\$139	\$183	\$146	
USA13009379 USA15129456	HBR	12	7	66%	52	97%	88%	99%	99%	99%	99%	98%	98%	98%	82%	97%	96%	96%	96%	95%	95%	91%	99%	96%	96%	93%							
USA17328461	G A R SURE FIRE ^{SV}					+54	+6.8	-1.0	-3.4	+2.3	+51	+92	+109	+93	+18	+4.0	-10.1	+65	+7.7	-1.1	+0.8	+1.6	+2.8	-0.32	+13	+11	+0	+0	\$156	\$140	\$176	\$142	
USA16205036 USA16431932	HBR	22	7	71%	1	91%	75%	99%	99%	98%	98%	98%	95%	96%	97%	64%	94%	93%	94%	92%	92%	92%	86%	94%	87%	88%	81%						
ASRM9	GATES MENTOR M9 ^{SV}					+30	-0.1	+3.4	-3.5	+7.4	+63	+114	+152	+141	+22	+4.2	-6.8	+89	+9.3	-4.3	-4.6	+2.8	+3.0	+0.20	-6	-	-	-	\$172	\$145	\$209	\$153	
HIOE7 ASRK93	HBR	0	9	35%	62	70%	61%	94%	92%	86%	80%	80%	77%	68%	72%	53%	74%	67%	72%	68%	69%	67%	63%	79%	-	-	-						
EUDE0151	GILMANDYKE ELWOOD E0151 ^{SV}					+28	-0.3	-0.4	-5.6	+5.7	+46	+83	+113	+105	+20	+1.6	-2.5	+68	+2.6	-4.7	-4.1	+1.8	+1.1	-0.45	+13	-8	+14	+7	\$96	\$98	\$99	\$96	
NGMZ250 NARZ132	HBR	9	2	51%	72	67%	55%	91%	91%	87%	86%	88%	81%	72%	74%	57%	84%	82%	86%	83%	79%	82%	77%	83%	50%	50%	42%						
EUDF0066	GILMANDYKE FOREMAN F0066					+34	-1.4	+1.4	-8.3	+5.8	+56	+107	+157	+162	+24	+1.5	-1.4	+75	+2.5	-4.0	-4.2	+1.8	+2.0	-0.57	+6	-5	+16	-2	\$133	\$113	\$155	\$126	
NMMD78 NARA262	HBR	10	3	52%	43	73%	61%	93%	93%	90%	89%	91%	84%	77%	77%	60%	88%	86%	89%	86%	83%	86%	84%	85%	68%	74%	69%						
QFCF23	GK 26 FEDERER F23 ^{PV}					+47	-15.6	-1.4	-0.5	+7.0	+52	+86	+109	+97	+9	+1.1	-1.8	+52	+2.3	-0.1	-1.4	+1.1	-1.0	-0.20	+25	+12	-43	+12	\$50	\$71	\$21	\$66	
CAN1237972 QIRR512+96	HBR	23	6	73%	4	68%	51%	93%	91%	90%	90%	91%	82%	78%	71%	53%	87%	84%	88%	85%	83%	84%	77%	76%	72%	75%	66%						
NZE12154012	GLANWORTH WAIGROUP 1213 [#]					+39	+12.2	+8.0	-4.4	+0.9	+33	+73	+90	+62	+12	+2.1	-1.6	+41	+3.4	+1.0	-0.3	-0.6	+0.7	+0.38	+24	+11	+18	+2	\$82	\$94	\$67	\$91	
NZE1199001099 NZE12154110161	HBR	0	5	40%	25	83%	67%	95%	97%	96%	96%	95%	93%	89%	94%	66%	90%	89%	91%	89%	87%	88%	81%	81%	67%	65%	61%						
NFWM049	GLENAVON DOCKLANDS M049					+29	+0.6	-4.6	-7.3	+6.7	+56	+101	+153	+148	+20	+1.7	-1.0	+69	+7.2	-3.6	-1.8	+2.1	+1.1	-0.80	-16	-3	-39	+11	\$132	\$112	\$141	\$131	
QHED62 NFWG028	HBR	9	8	51%	67	71%	62%	94%	92%	89%	89%	89%	81%	72%	81%	56%	77%	77%	81%	78%	76%	77%	77%	77%	58%	60%	48%						
NFWL039	GLENAVON REVENUE L039 ^{SV}					+53	-4.8	+7.3	-7.5	+5.8	+51	+96	+128	+117	+26	+0.6	+0.8	+72	+9.1	-1.4	-2.8	+1.1	+1.3	-0.50	-5	-16	-17	-14	\$98	\$100	\$97	\$102	
USA17220531 NFW59	HBR	12	7	57%	2	72%	59%	96%	96%	94%	94%	94%	84%	78%	89%	53%	88%	86%	88%	87%	85%	79%	76%	69%	68%	58%							
QBVA020	GLENISA AXLE A020 ^{PV}					+30	+0.4	+4.1	-1.0	+5.7	+37	+69	+92	+61	+15	+1.9	-3.4	+57	+1.5	+1.5	+0.7	-1.3	+0.9	+0.37	+5	-4	-2	-16	\$76	\$82	\$62	\$84	
USA6595 SNOJ39+89	HBR	15	3	61%	63	76%	64%	91%	96%	92%	93%	94%	87%	86%	87%	64%	91%	87%	90%	87%	84%	87%	85%	80%	66%	74%	69%						
QBGE142	GLENOCH ETHAN E142 ^{SV}					+38	-6.8	+0.2	-1.5	+5.6	+46	+80	+98	+85	+17	+1.8	-6.4	+59	+5.3	+2.8	+4.2	-1.1	+1.2	+0.45	-12	+4	+19	+3	\$91	\$92	\$79	\$95	
USA14885809 QBGA161	HBR	9	2	51%	29	73%	64%	93%	93%	90%	91%	91%	84%	86%	87%	62%	87%	85%	89%	86%	83%	85%	80%	79%	40%	52%	40%						
QBGH221	GLENOCH HINMAN H221 ^{SV}					+38	+6.5	-4.0	-3.2	+3.2	+54	+93	+126	+108	+22	+0.7	-4.4	+85	+5.5	-2.2	-3.7	+0.6	+4.7	-0.29	+2	+6	+4	+2	\$146	\$124	\$184	\$129	
BNAD145 QBGD80	HBR	17	7	62%	26	78%	69%	97%	96%	94%	95%	95%	87%	87%	94%	65%	89%	89%	90%	88%	86%	87%	82%	82%	75%	75%	66%						
Breed Average EBVs						+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114	

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Ident	Name	Statistics																													
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert	Carcase					Feed	Tmp	Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN
QBGM16+92 USA88 QBGH10+88	GLENOCH MEGAFORCE+92 ^{SV} HBR	0	5	+23 33% 86	-18.1 97% 99	-14.9 95% 99	-1.5 99% 90	+5.8 99% 83	+39 98% 91	+70 98% 93	+91 98% 92	+84 98% 77	+12 98% 84	+1.0 98% 86	-4.2 96% 60	+52 97% 86	+3.4 97% 51	-0.2 97% 26	+0.4 97% 59	+0.3 96% 74	+1.3 93% 22	-0.06 94% 31	+11 94% 31	+3 72% 52	+25 74% 1	+3 64% 32	\$57 99	\$63 99	\$49 99	\$60 99	
SJVG10 CAN1274305 CAN1274314	GLENTANNER KODIAK G10 ^{PV} HBR	13	3	+35 57% 37	-8.0 71% 95	+4.8 59% 31	-4.0 92% 56	+5.8 92% 83	+44 88% 70	+74 88% 87	+95 90% 87	+102 83% 40	+9 72% 97	+1.2 76% 80	-4.5 58% 54	+46 87% 96	-3.5 85% 99	-1.4 88% 85	-0.8 86% 61	-0.3 82% 82	+0.4 85% 96	-1.38 81% 1	+22 80% 9	+7 67% 29	+7 73% 36	+15 67% 2	\$61 99	\$74 99	\$48 99	\$67 99	
SJKF148 USA15922661 SJKB134	GRANITE RIDGE FOR-PROFIT HBR	7	3	+22 45% 90	-9.3 75% 97	-9.4 65% 99	-6.9 94% 14	+6.5 94% 92	+65 91% 1	+117 90% 1	+159 92% 1	+144 84% 2	+24 84% 5	+0.4 85% 97	-0.2 57% 98	+96 88% 1	+3.1 85% 89	+3.5 88% 1	-0.8 86% 61	-1.0 82% 95	+1.3 85% 74	-0.21 80% 10	+11 80% 31	-7 63% 78	+15 69% 13	-1 65% 56	\$97 85	\$91 93	\$93 86	\$103 79	
SJKJ42 USA15848590 SJKD141	GRANITE RIDGE JUPITER J42 ^{SV} HBR	18	6	+34 66% 42	+8.1 72% 12	+11.0 57% 1	-7.8 93% 7	+2.6 95% 14	+50 94% 34	+100 93% 10	+133 91% 10	+129 85% 7	+20 85% 22	+4.9 89% 1	-3.6 58% 71	+63 87% 53	+5.0 86% 61	-0.8 88% 70	+0.6 85% 22	+0.8 86% 35	+1.4 84% 69	-0.18 78% 12	-8 79% 89	+6 67% 37	+21 65% 3	+14 60% 2	\$135 19	\$124 12	\$142 27	\$133 10	
DKKJ516 USA16027094 NKLY21	HARDHAT GM AGRONOMIST HBR	25	6	+51 69% 3	-12.2 70% 99	-9.0 58% 99	-0.2 93% 96	+6.1 90% 87	+46 87% 62	+84 88% 58	+101 89% 78	+84 81% 76	+12 72% 89	+1.3 79% 77	-1.5 59% 94	+56 86% 80	+8.1 85% 13	-0.8 88% 70	-1.0 85% 67	+0.8 85% 35	+2.0 84% 9	-0.24 80% 93	-11 82% 93	-23 79% 95	-34 76% 99	-3 71% 70	\$82 95	\$90 94	\$81 92	\$83 97	
DKKK15 USA16027094 NKLY21	HARDHAT GM GRASS KING Y21 HBR	16	7	+42 63% 11	-16.0 69% 99	-8.6 57% 99	-4.4 92% 49	+6.4 90% 91	+47 86% 57	+85 86% 55	+99 88% 82	+75 81% 89	+11 70% 91	+1.0 81% 86	-0.8 58% 97	+58 86% 73	+7.5 84% 20	-0.3 87% 54	+0.0 84% 37	+0.9 85% 31	+1.0 84% 84	-0.57 80% 1	-6 82% 84	-11 77% 86	-6 74% 70	-17 66% 95	\$65 99	\$82 98	\$51 99	\$74 99	
DKKJ518 USA16027094 NKLY21	HARDHAT GM GRASS RANGE HBR	16	6	+45 62% 7	-4.1 70% 86	-5.2 58% 95	-4.3 90% 51	+5.4 93% 76	+44 90% 71	+76 90% 84	+98 91% 83	+80 82% 82	+12 74% 88	+1.3 81% 77	+0.4 58% 99	+59 87% 72	+13.5 84% 1	-2.2 87% 96	-2.0 85% 88	+2.6 84% 2	+0.9 84% 87	+1.0 80% 13	-0.17 81% 71	-1 76% 1	+25 73% 49	+3 74% 70	-3 67% 91	\$90 91	\$99 83	\$81 92	\$97 87
DKKM41 NORH708 DKKJ51	HARDHAT H708 MAIMURU J51 APR	0	9	+44 36% 8	+4.1 66% 37	+2.9 54% 49	-2.3 93% 82	+3.0 89% 21	+47 83% 56	+94 78% 23	+125 79% 32	+105 75% 20	+14 65% 74	+1.6 73% 63	-6.0 47% 26	+70 73% 26	+2.9 66% 91	+0.0 71% 44	-0.6 68% 55	-1.2 68% 97	+4.0 66% 2	+0.36 61% 75	+14 79% 24	+4 50% 46	+2 47% 52	+11 44% 5	\$145 8	\$121 18	\$174 4	\$130 14	
DKKM56 USA17016597 DKKJ536	HARDHAT RES MICHELIN J536 HBR	16	8	+43 61% 10	-12.6 67% 99	-11.8 54% 99	-1.1 93% 92	+7.5 88% 98	+56 83% 9	+94 84% 23	+119 83% 32	+101 78% 42	+10 68% 95	+0.8 75% 91	-2.4 46% 87	+66 74% 43	+10.0 73% 4	-0.4 78% 57	+0.7 75% 19	+2.3 73% 3	-0.2 74% 99	-0.73 78% 1	+11 78% 32	+10 73% 18	+21 71% 3	+20 57% 1	\$90 91	\$97 86	\$72 96	\$100 83	
NHZF1023 VTMB1 NHZB723	HAZELDEAN F1023 ^{SV} APR	12	3	+31 57% 60	+8.8 79% 9	+4.8 67% 31	-3.5 98% 65	+3.2 97% 25	+39 96% 91	+73 96% 88	+91 95% 92	+83 88% 79	+10 85% 95	+3.7 94% 3	-7.2 66% 11	+65 90% 46	+7.0 88% 26	+3.2 90% 1	-0.1 88% 40	-3.0 85% 99	+5.9 88% 99	+1.44 84% 99	-4 94% 80	+26 79% 1	+24 86% 2	-8 82% 84	\$131 25	\$110 53	\$169 6	\$111 61	
NHZF493 USA16154968 NHZD786	HAZELDEAN F493 ^{SV} APR	10	3	+34 52% 41	-7.9 76% 95	+3.7 64% 41	-6.9 94% 14	+6.9 95% 95	+56 92% 11	+94 92% 22	+123 93% 24	+95 90% 54	+23 87% 6	+3.8 88% 2	-8.1 64% 5	+61 89% 61	+11.3 86% 2	-0.2 89% 51	+0.0 87% 37	+1.8 83% 7	+3.6 86% 5	+0.37 81% 76	+7 92% 46	-14 75% 88	-19 80% 91	+3 74% 32	\$155 2	\$130 4	\$183 2	\$139 4	
NHZJ140 NAQA241 NHZC33	HAZELDEAN JAIPUR J140 ^{SV} HBR	19	7	+45 68% 6	+10.1 85% 5	+13.3 71% 1	-5.1 98% 37	+1.9 98% 7	+39 97% 91	+76 97% 83	+108 97% 62	+85 91% 75	+25 92% 3	+2.7 97% 17	-6.3 68% 22	+74 92% 15	+4.4 91% 72	-0.6 92% 64	-1.6 90% 81	+1.3 89% 17	+1.9 90% 48	+1.06 85% 99	+38 97% 1	+5 87% 39	+30 88% 1	+6 83% 17	\$130 27	\$116 32	\$142 27	\$124 26	
NHZK416 NORE11 NHZH342	HAZELDEAN KATZEN K416 ^{SV} APR	25	8	+23 65% 87	+13.7 79% 1	+3.3 69% 45	-12.8 98% 1	+2.0 97% 8	+54 95% 16	+95 96% 19	+126 94% 19	+124 86% 11	+17 85% 45	+3.3 94% 6	-13.9 59% 1	+74 83% 16	+4.7 81% 67	+4.2 84% 1	+3.0 81% 1	-0.6 78% 89	+2.1 80% 40	+0.62 84% 94	+41 95% 1	+8 86% 28	-16 87% 87	+4 81% 30	\$159 2	\$128 6	\$174 4	\$145 2	
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114	

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Ident	Name	Statistics																															
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert		Carcase				Feed		Tmp		Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS	
CJME3 USA0035 CJMC5	HIGH SPA EDWARD E3 ^{SV} HBR	0	1	+31 27% 58	+14.6 73% 1	+10.6 61% 2	-12.7 94% 1	+0.3 94% 1	+34 91% 98	+58 90% 99	+86 90% 96	+79 84% 84	+14 84% 69	+1.0 79% 86	-7.6 61% 8	+51 86% 90	-0.3 83% 99	+3.5 87% 1	+1.4 84% 9	-2.7 80% 99	+3.4 83% 7	+0.43 77% 82	-16 80% 97	+1 32% 59	+2 45% 53	+1 34% 46	\$104 77	\$88 95	\$116 62	\$96 88			
CJMM8 USA15354674 CJMF9	HIGH SPA M8 ^{SV} APR	10	8	+15 55% 99	+2.1 70% 52	+5.4 60% 26	-7.0 94% 13	+3.5 89% 31	+49 87% 40	+89 85% 37	+126 84% 19	+105 79% 35	+17 71% 47	+2.2 72% 34	-4.1 53% 62	+8.0 76% 6	+7.1 74% 25	-2.3 79% 97	-2.5 76% 94	+1.5 74% 12	+1.4 75% 69	+0.47 78% 85	+5 78% 50	+4 70% 42	+21 67% 3	-6 58% 79	\$128 30	\$115 36	\$136 35	\$126 22			
VMIC31 USA14739204 VMIU102	INNESDALE CARBINE C31 ^{SV} HBR	0	1	+28 27% 71	-3.2 83% 83	-9.2 74% 99	-2.5 95% 80	+5.9 97% 85	+39 95% 92	+69 95% 94	+89 94% 94	+96 93% 53	+19 93% 31	+0.3 92% 97	-4.3 67% 58	+41 91% 99	+5.0 89% 61	-0.3 91% 54	+0.2 90% 31	+1.3 87% 17	+0.3 88% 97	+0.36 83% 75	-8 89% 89	-1 27% 63	+1 55% 55	-3 37% 69	\$74 98	\$83 97	\$61 98	\$79 98			
VICG43 VICD2 VICC4	IRELANDS GALAXY G43 ^{SV} HBR	0	5	+24 31% 84	-8.8 86% 96	-8.8 70% 99	-2.9 97% 74	+5.8 98% 83	+42 96% 80	+72 97% 91	+97 97% 84	+94 93% 58	+11 94% 89	+1.2 96% 80	-1.6 68% 93	+5.0 92% 92	+5.8 91% 46	-0.3 93% 54	-1.4 91% 77	+1.6 89% 10	-0.3 90% 99	+0.21 86% 56	-16 83% 98	+14 74% 11	+21 76% 3	+3 72% 36	\$61 99	\$75 99	\$41 99	\$72 99			
VICG25 NENZ181 VICC52	IRELANDS GAPSTED G25 ^{PV} HBR	0	4	+30 30% 63	-3.5 84% 84	+6.1 72% 20	-5.0 97% 39	+5.2 97% 72	+45 96% 65	+88 96% 43	+121 97% 30	+127 95% 8	+11 93% 89	+4.5 95% 1	-5.3 69% 38	+6.5 91% 46	+8.9 91% 8	+1.5 92% 9	+2.5 91% 3	+0.1 88% 68	+0.6 84% 91	+0.55 84% 91	-12 82% 95	+0 77% 61	+15 78% 13	-5 71% 75	\$114 59	\$103 74	\$110 70	\$116 47			
BCHE11 BCHA10 BCHA2	J & C EVIDENCE E11 ^{SV} HBR	8	3	+21 47% 91	-15.5 77% 99	-14.6 65% 99	-6.0 95% 24	+9.3 96% 99	+60 94% 4	+106 94% 4	+125 88% 21	+121 87% 13	+13 87% 83	+2.7 88% 17	-4.0 60% 64	+9.6 89% 1	+6.3 87% 37	-3.0 89% 99	-0.1 87% 40	+2.0 84% 5	+1.3 86% 74	+0.53 81% 89	+2 85% 62	+4 45% 46	-20 69% 92	+6 62% 17	\$99 83	\$103 74	\$100 80	\$98 86			
NZE17683004 NZE17683001254 NZ176831006340	KAHARAU CLASS 790 # HBR	5	2	+41 43% 13	-14.3 87% 99	-10.9 81% 99	-2.9 94% 74	+6.1 96% 87	+44 97% 70	+81 96% 70	+111 98% 54	+108 95% 29	+5 97% 99	+1.3 94% 77	-0.8 74% 97	+4.0 93% 99	+6.7 92% 31	-0.7 93% 67	-1.6 93% 81	+1.5 91% 12	-0.2 91% 99	-0.04 85% 24	+8 72% 41	+4 36% 43	-6 51% 71	-7 40% 82	\$64 99	\$73 99	\$47 99	\$74 99			
NZE13144008 NZE04379 NZE13144106239	KAIWARA 440 ^{SV} HBR	9	2	+29 58% 66	-1.8 90% 76	-9.3 78% 99	-2.1 97% 84	+3.6 98% 33	+42 97% 80	+84 97% 59	+117 94% 39	+112 97% 23	+26 97% 2	+0.6 96% 94	-2.9 75% 82	+6.9 93% 30	+1.5 91% 98	-1.3 93% 83	+0.3 92% 29	-2.0 89% 99	+1.5 90% 65	+0.32 84% 70	-15 79% 97	+2 29% 55	-14 43% 83	+3 27% 32	\$78 96	\$75 99	\$73 95	\$83 97			
NZE13300013 USA16205036 NZE13300111355	KAKAHU BOND 13007 # HBR	13	8	+50 56% 3	+9.9 72% 5	+1.9 58% 58	-5.3 96% 34	+3.3 94% 26	+50 91% 37	+86 92% 50	+101 92% 78	+94 85% 58	+13 80% 83	+4.9 90% 2	-8.8 52% 2	+6.2 79% 61	+1.7 80% 80	+0.7 82% 23	+1.3 80% 10	-0.4 77% 85	+2.7 79% 21	-0.06 81% 22	+5 77% 53	-20 69% 93	-25 69% 97	+0 60% 53	\$125 36	\$119 23	\$137 34	\$116 47			
NZE1036 USA13395344 NZE08402	KAKAHU MISSION 1036 ^{SV} HBR	8	3	+39 46% 24	-2.0 80% 77	+6.3 69% 19	-0.3 96% 96	+5.2 96% 72	+46 94% 58	+85 94% 52	+121 95% 30	+110 92% 27	+13 90% 81	+2.0 93% 43	-5.5 66% 35	+6.2 89% 58	+10.2 88% 4	+1.6 90% 8	+0.0 88% 37	+0.9 85% 31	+1.9 87% 48	+0.70 81% 96	-4 81% 79	+12 81% 14	-20 68% 92	-5 77% 76	\$134 20	\$113 42	\$145 24	\$128 18			
NKLL76 NKLJ82 NKLG225	KANSAS JUDD L76 ^{SV} HBR	21	7	+27 63% 76	+2.5 62% 49	+3.8 46% 41	-3.0 91% 73	+6.8 87% 94	+57 83% 8	+106 84% 5	+137 87% 7	+114 78% 20	+20 62% 20	+2.7 64% 17	-4.5 42% 54	+8.1 86% 5	+5.3 84% 56	-1.5 88% 87	+0.8 84% 18	+1.5 86% 12	+3.3 84% 9	-0.16 81% 13	+21 77% 9	-1 72% 65	-20 70% 92	-7 65% 80	\$162 1	\$141 1	\$189 1	\$149 1			
KILK18 USA16417285 USA15107929	KILLAIN ALASKA K18 ^{PV} HBR	5	7	+27 42% 78	-9.4 66% 97	-2.7 54% 88	-1.0 87% 93	+7.0 85% 96	+63 81% 2	+120 82% 1	+163 83% 1	+166 78% 1	+16 70% 55	+2.9 72% 12	-1.9 48% 91	+9.0 82% 1	+4.6 80% 69	-1.9 83% 93	-3.1 80% 97	+1.5 82% 12	-0.3 80% 99	-0.72 74% 1	+9 66% 36	+2 56% 55	-2 55% 62	+3 43% 32	\$108 71	\$103 74	\$104 76	\$113 56			
NZCF80 USA15585939 NZCZ90	KO DYNAMITE F80 ^{SV} HBR	15	3	+31 56% 56	-0.3 74% 68	-1.0 65% 80	-5.5 90% 31	+3.8 93% 38	+46 91% 59	+80 90% 72	+100 91% 79	+83 88% 78	+12 85% 86	+1.8 87% 53	-5.8 60% 30	+6.6 89% 40	+4.8 86% 65	+0.6 89% 26	+1.0 87% 14	-1.6 83% 99	+3.9 86% 3	+0.43 83% 82	+3 90% 58	+12 69% 15	+5 75% 43	-6 69% 79	\$117 53	\$106 66	\$134 37	\$107 71			
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114			

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Ident	Name	Statistics																															
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert		Carcase				Feed		Tmp		Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS	
WKHL43 NJWG279 WKHF73	KOOJAN HILLS GATSBY L43 ^{SV} HBR	16	8	+19 58% 94	+3.7 69% 40	-1.3 59% 82	-5.5 93% 31	+4.2 93% 48	+45 89% 67	+82 90% 63	+110 88% 57	+86 80% 73	+21 70% 12	+3.1 80% 8	-7.4 51% 9	+63 76% 55	+7.4 80% 21	+0.6 77% 26	+0.6 75% 22	+0.8 76% 35	+2.8 75% 19	+0.25 91% 61	-9 91% 91	-3 75% 69	-1 71% 60	+3 62% 35	\$140 12	\$121 18	\$157 13	\$129 16			
WKHM91 USA17091363 WKHF53	KOOJAN HILLS UP RIVER M91 ^{SV} HBR	0	9	+34 29% 41	+10.3 69% 4	+2.9 57% 49	-8.3 93% 5	+2.7 92% 16	+48 88% 47	+89 86% 37	+108 83% 61	+64 78% 96	+25 71% 2	+2.6 73% 19	-8.7 49% 2	+66 76% 44	+5.2 68% 58	+1.5 72% 9	+1.2 70% 11	-0.1 69% 76	+1.7 67% 56	+0.52 60% 89	+11 88% 31	- - -	- - -	- - -	\$130 27	\$122 16	\$131 41	\$126 22			
TFAE459 NAQA2 TFAC387	LANDFALL ADMIRAL E459 ^{SV} APR	8	2	+27 50% 77	-2.6 73% 80	-2.1 65% 86	-0.1 93% 97	+4.5 93% 55	+46 91% 63	+84 91% 58	+123 91% 25	+111 83% 25	+19 80% 30	+1.1 85% 84	-5.4 63% 37	+86 86% 2	+3.6 83% 84	-2.5 87% 98	-3.7 84% 99	+0.9 81% 31	+1.8 83% 52	+0.45 77% 83	+11 90% 31	+19 37% 3	-15 45% 84	+16 30% 1	\$114 59	\$99 83	\$127 47	\$108 69			
TFAD66 NZE04379 TFAB446	LANDFALL EVERLAST D66 ^{SV} HBR	0	1	+38 33% 26	+3.2 92% 44	-0.8 82% 79	+0.9 98% 99	+3.1 98% 23	+44 97% 71	+90 97% 36	+119 97% 32	+120 96% 14	+20 97% 24	+1.8 96% 53	-1.4 73% 94	+63 93% 53	-1.0 92% 99	-1.4 93% 85	-1.2 92% 72	-2.3 89% 99	+2.9 91% 16	+0.82 84% 99	+12 95% 30	+1 74% 59	-2 78% 63	+4 71% 28	\$92 89	\$89 94	\$103 77	\$90 93			
TFAF3 TFAC47 TFAC311	LANDFALL FORCE F3 ^{SV} HBR	9	3	+34 51% 43	+1.9 78% 53	+2.4 69% 54	-10.3 95% 1	+5.6 96% 80	+53 94% 21	+98 94% 13	+131 95% 12	+120 91% 14	+12 90% 86	+2.5 90% 22	-3.2 63% 77	+60 89% 66	+8.8 87% 9	+1.9 90% 6	-0.6 88% 55	+1.8 85% 7	+0.5 81% 95	+0.27 89% 64	+5 89% 52	-10 72% 85	+26 76% 1	-5 74% 76	\$127 32	\$120 21	\$125 50	\$129 16			
TFAE1 NZE04379 TFAC43	LANDFALL INFINITY E1 ^{PV} HBR	16	2	+38 65% 25	-6.0 80% 92	-9.3 73% 99	-6.1 94% 22	+4.9 96% 65	+46 93% 59	+85 93% 52	+113 94% 47	+108 91% 29	+20 89% 21	+4.1 85% 1	-5.9 67% 28	+62 90% 61	+2.8 87% 92	-3.2 90% 99	-2.9 88% 96	+1.2 85% 20	+1.9 87% 48	-0.10 84% 18	-10 92% 93	+22 65% 2	+13 72% 18	+12 62% 4	\$102 80	\$96 88	\$114 65	\$96 88			
VLYG1730 VLYB1155 VLYD1720	LAWSONS GENERAL G1730 ^{SV} HBR	11	3	+37 48% 31	-31.2 87% 99	-20.5 73% 99	+0.3 97% 98	+7.8 97% 99	+55 95% 13	+93 95% 26	+115 95% 43	+113 92% 22	+13 93% 79	+1.9 92% 48	-6.4 66% 20	+74 91% 16	+11.9 90% 1	-3.8 92% 99	-5.2 90% 99	+4.7 86% 1	+0.1 89% 99	+0.18 84% 52	-1 94% 72	+20 81% 3	-6 87% 70	+17 76% 1	\$63 99	\$70 99	\$59 98	\$62 99			
VLYL488 USA17366506 VLYH212	LAWSONS LEO L488 ^{SV} HBR	14	8	+40 62% 18	-5.6 77% 91	+4.9 62% 30	-8.8 97% 4	+4.0 96% 43	+57 93% 7	+96 93% 17	+123 94% 25	+97 83% 52	+22 72% 9	+1.2 89% 80	-6.1 54% 25	+74 79% 14	+10.0 81% 4	+0.2 83% 37	-0.6 81% 55	+1.7 78% 9	+1.5 80% 65	+0.18 82% 52	-7 90% 86	-6 78% 78	+16 80% 12	+3 69% 35	\$129 28	\$120 21	\$132 40	\$127 20			
VLYL483 HKFJ5 VLYH221	LAWSONS LINKEDIN L483 ^{SV} HBR	15	8	+33 59% 45	+7.5 74% 15	-4.6 62% 94	-1.2 98% 92	+4.1 98% 45	+59 96% 5	+106 96% 4	+145 95% 3	+133 84% 5	+25 73% 3	+3.8 90% 28	-5.9 52% 28	+90 83% 1	+4.7 79% 67	-2.3 82% 97	-0.8 81% 61	+0.3 77% 59	+3.3 80% 9	-0.19 78% 11	+6 86% 47	+15 73% 7	-3 63% 65	+10 5 5	\$152 3	\$126 9	\$179 3	\$139 4			
VLYM518 USA17354145 VLYH229	LAWSONS MOMENTOUS M518 HBR	0	9	+39 27% 25	-0.8 83% 71	-1.2 61% 81	-5.2 99% 36	+4.0 99% 43	+52 98% 23	+99 98% 12	+124 93% 23	+99 82% 48	+23 71% 6	+3.4 94% 5	-2.6 50% 85	+65 79% 44	+16.2 82% 1	-0.7 82% 67	-1.6 81% 81	+1.1 77% 23	+5.0 78% 1	+0.85 65% 99	+25 95% 5	+17 46% 5	+12 45% 21	+4 30% 31	\$157 2	\$136 2	\$194 1	\$141 3			
VLYE398 USA15464043 VLYB887	LAWSONS NADAL E398 ^{SV} HBR	9	2	+38 53% 26	-7.2 88% 94	-2.9 76% 89	-1.6 98% 89	+5.8 98% 83	+56 96% 10	+91 97% 33	+110 97% 57	+130 95% 7	-7 95% 99	+1.2 94% 80	-5.8 66% 30	+69 92% 30	+11.2 90% 2	-0.5 92% 61	-1.9 90% 86	+2.1 88% 4	+1.4 89% 69	+0.48 83% 86	-19 83% 99	+1 33% 59	+12 44% 22	+0 33% 53	\$116 55	\$114 39	\$123 53	\$111 61			
VLYE313 USA14844711 VLYB770	LAWSONS NOVAK E313 ^{SV} HBR	10	2	+37 59% 31	-11.2 95% 98	+0.7 85% 68	-2.3 99% 82	+3.8 99% 38	+52 98% 28	+88 98% 42	+116 98% 41	+101 98% 43	+21 98% 13	+1.4 98% 73	-5.4 76% 37	+61 96% 61	+5.9 94% 45	-1.7 95% 91	-2.6 95% 94	+0.4 93% 54	+3.1 93% 12	-0.21 87% 10	+7 97% 44	+24 86% 1	+15 88% 15	+12 77% 3	\$109 69	\$99 83	\$125 50	\$100 83			
VLYB1155 VLYX1235 VLYZ1393	LAWSONS TANK B1155 ^{PV} HBR	0	1	+31 38% 56	-2.9 95% 81	-2.8 89% 88	-3.7 99% 62	+3.8 99% 38	+42 98% 80	+81 98% 68	+111 98% 54	+104 98% 38	+16 98% 58	+1.9 98% 48	-6.6 85% 18	+61 96% 63	+7.1 95% 25	-0.9 95% 73	-2.3 95% 92	+0.5 93% 49	+2.7 94% 21	-0.07 89% 21	-17 98% 98	-4 94% 73	-13 94% 82	+9 89% 9	\$121 45	\$105 69	\$140 30	\$111 61			
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114			

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Ident	Name	Statistics																												
Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert	Carcase				Feed	Tmp	Structural			Selection Index					
					Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS
CHKM122 HKFJ5 CHK251	MANEROO PARTNERSHIP M122 APR	0	9	+25 25% 82	+3.0	+1.5	-4.7	+4.0	+45	+84	+110	+104	+13	+1.6	-5.2	+63	+6.5	+1.5	+2.3	-0.3	+2.3	+0.26	-8	-	-	-	\$124	\$112	\$132	\$120
NZE14647010 NZE14647008839 NZE14647108860	MATAURI OUTLIER F031 ^{SV} HBR	0	5	+39 32% 21	-3.9	+3.9	-4.8	+6.8	+54	+102	+138	+141	+17	+2.5	-6.3	+69	+1.6	+2.8	+0.6	-1.7	+1.5	+0.09	+2	+4	+16	+1	\$112	\$98	\$118	\$110
EEHD240 USA24J EEHY059	MATONI RIGHT TIME D240 ^{SV} HBR	5	2	+26 45% 79	-13.5	-1.3	-1.5	+7.5	+47	+85	+113	+120	+14	+1.6	-3.4	+68	+9.1	-1.2	-1.4	+2.4	-0.2	+0.09	+5	-	+13	+8	\$82	\$87	\$72	\$88
NZE14738009 NZE14738007774 NZE14738106557	MERCHISTON EXPEDITION 934 HBR	5	2	+40 45% 18	-17.7	-20.0	-2.2	+9.9	+59	+114	+158	+157	+13	+4.3	+0.9	+71	+0.5	-3.8	-2.0	+1.2	-0.2	-0.57	+8	+6	+10	+0	\$72	\$74	\$63	\$81
NZE14738007 NZE04379 NZE14738104313	MERCHISTON INFINITY 774 ^{SV} HBR	12	3	+44 60% 9	-6.4	-14.3	-3.0	+6.1	+47	+95	+124	+124	+18	+4.4	-1.4	+65	+2.2	-2.9	-0.8	-0.1	+1.7	+0.16	+0	-8	+5	+16	\$86	\$87	\$89	\$87
NMMF159 NMMD78 NHZY275	MILLAH MURRAH DOC F159 ^{PV} HBR	6	3	+35 51% 37	-10.1	+2.7	-6.4	+6.8	+58	+110	+152	+135	+29	+2.8	-5.6	+91	+3.7	+1.9	+2.5	-0.5	+1.3	-0.10	+4	-12	-7	-8	\$124	\$104	\$126	\$123
NMMD78 USA14237157 NMMY119	MILLAH MURRAH EQUATOR D78 HBR	3	1	+34 47% 41	+0.8	+8.0	-9.3	+5.2	+60	+110	+157	+181	+20	+2.1	-5.3	+88	+3.0	-1.1	-1.3	+1.3	+0.3	-0.93	+12	+18	-2	+11	\$134	\$116	\$140	\$132
NMME123 USA14237157 NMMY99	MILLAH MURRAH EQUITY E123 HBR	0	1	+41 31% 14	-0.3	+7.3	-3.6	+4.8	+55	+102	+148	+130	+20	+2.8	-2.4	+90	+7.2	-1.7	-4.1	+2.4	+0.3	-0.50	+3	+1	+3	-4	\$128	\$116	\$131	\$130
NMMH105 BHRE614 NMMY79	MILLAH MURRAH EVIDENT HBR	0	4	+27 32% 77	-15.9	-8.3	-0.6	+6.7	+50	+86	+107	+96	+11	+2.4	-4.9	+69	+9.8	-1.5	+0.5	+2.0	+1.7	+0.18	+15	-19	-11	-27	\$100	\$98	\$102	\$98
NMMH250 NMME78 NMME120	MILLAH MURRAH HERCULES HBR	0	5	+38 29% 28	-7.3	+4.7	-3.4	+6.2	+42	+78	+105	+87	+12	+2.7	-6.6	+58	+1.5	-1.8	-0.8	+0.2	+2.6	+0.03	+4	-6	+9	-18	\$111	\$99	\$126	\$102
NMMG18 NZE12170004408 NMMD85	MILLAH MURRAH HIGHLANDER HBR	10	3	+23 51% 89	-1.1	-5.0	-3.9	+4.6	+50	+91	+114	+96	+23	+4.5	-2.6	+75	+8.4	-2.9	-1.3	+3.0	+0.5	-0.03	-2	-20	+22	+7	\$108	\$114	\$102	\$112
NMMJ137 USA16262077 NMME16	MILLAH MURRAH JACKPOT J137 HBR	0	5	+32 35% 54	-11.1	-7.8	-5.2	+7.4	+55	+98	+134	+121	+25	+2.4	-6.9	+74	+7.7	-2.4	-0.5	+2.1	+0.6	-0.84	-14	+16	-9	+5	\$117	\$104	\$118	\$115
NMMK35 NZE469 NMMG41	MILLAH MURRAH KINGDOM K35 HBR	28	6	+29 69% 68	-15.7	-8.2	-2.9	+8.8	+55	+99	+139	+133	+10	+0.9	-5.2	+63	+7.6	-1.0	-0.6	+1.2	-0.5	-0.59	+14	-26	+11	-26	\$94	\$86	\$83	\$100
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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Ident	Name	Statistics																														
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert		Carcase				Feed Tmp		Structural			Selection Index				
Dir	Dtrs						GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS		
NMMK42	MILLAH MURRAH KLOONEY K42					+13	+9.0	+6.2	-6.7	+5.7	+47	+91	+110	+86	+20	+2.1	-6.8	+65	+6.3	+0.0	-2.3	+0.5	+2.4	+0.31	+5	+5	+3	-3	\$131	\$124	\$146	\$122
NGMT30 NMMH4	HBR	25	6	68% 99	91% 9	78% 20	99% 16	99% 81	98% 53	98% 31	98% 58	95% 74	93% 20	98% 38	98% 15	97% 46	98% 37	92% 44	91% 92	88% 49	90% 30	84% 69	97% 50	89% 41	90% 48	82% 70	25	12	23	31		
NMML133	MILLAH MURRAH LOCH UP L133					+19	+6.5	+5.0	-6.3	+5.1	+59	+101	+134	+96	+19	+2.0	-2.8	+76	+2.3	-1.3	-1.8	+0.2	+1.8	-0.31	+22	-17	+9	+3	\$125	\$118	\$129	\$125
USA17091363 NMMH49	HBR	26	7	69% 95	85% 21	73% 29	99% 20	99% 70	98% 5	98% 9	98% 10	92% 53	88% 24	93% 43	97% 83	61% 11	91% 95	92% 83	90% 85	88% 63	89% 52	84% 6	97% 8	89% 91	89% 31	83% 32	36	26	44	24		
NMME78	MILLAH MURRAH NEUTRON E78					+36	-6.5	+1.4	-5.5	+6.6	+42	+74	+105	+99	+14	+2.3	-6.6	+56	+2.9	-1.2	+0.4	-0.3	+2.2	-0.11	+0	-	-33	-4	\$103	\$90	\$113	\$98
NGMA238 NMMC85	HBR	0	1	28% 34	82% 93	70% 63	95% 31	97% 93	94% 82	94% 88	94% 70	91% 47	90% 76	94% 30	66% 18	90% 80	89% 91	91% 81	89% 26	86% 82	88% 36	81% 17	89% 68	-	-	45% 99	29% 70	78	94	66	86	
NJWH194	MILWILLAH ELEVATOR H194^{SV}					+32	-9.0	-8.8	-0.7	+7.7	+44	+90	+119	+143	+20	+1.4	+0.1	+46	+5.1	-2.7	+0.8	+1.6	-0.4	-0.46	+33	+9	+25	+7	\$71	\$81	\$55	\$81
WDCE11 VTMX64	HBR	0	5	35% 50	73% 97	64% 99	92% 95	92% 98	88% 71	89% 36	89% 33	84% 2	80% 21	82% 73	63% 99	86% 97	83% 60	87% 98	84% 18	83% 10	83% 99	79% 2	79% 1	70% 23	71% 1	63% 13	98	98	98	97		
NJWF189	MILWILLAH ELSOM F189^{SV}					+37	+2.2	+5.1	-4.5	+4.8	+50	+95	+131	+119	+24	+2.4	-4.5	+90	+8.1	-2.0	-4.6	+2.6	+1.0	-0.56	+5	-4	-6	+5	\$130	\$119	\$140	\$126
NAQA241 NJWD123	HBR	13	3	59% 31	74% 51	65% 28	93% 47	92% 63	90% 34	89% 20	90% 13	84% 15	81% 4	79% 26	65% 54	89% 1	87% 13	90% 94	87% 99	84% 2	87% 84	85% 1	84% 52	69% 72	76% 70	70% 25	27	23	30	22		
NJWH283	MILWILLAH ELSOM H283^{PV}					+28	+2.0	-1.4	-2.4	+3.6	+43	+78	+115	+102	+22	+1.9	-0.3	+72	+9.4	-1.8	-3.4	+2.5	+0.9	+0.37	+11	+3	-1	+6	\$103	\$100	\$102	\$107
NJWF189 NJWE51	HBR	0	5	37% 70	76% 52	63% 82	96% 81	96% 33	94% 75	95% 76	94% 44	87% 41	85% 9	90% 48	60% 98	89% 21	88% 6	90% 92	88% 98	86% 2	87% 87	83% 76	81% 31	75% 52	78% 59	65% 18	78	81	78	71		
NJWE158	MILWILLAH LAD E158^{SV}					+31	-1.4	-7.9	-7.7	+8.1	+44	+82	+110	+102	+5	+2.0	-7.2	+50	+8.3	-0.6	-3.1	+1.5	+2.7	+0.02	+0	+6	-7	+6	\$131	\$113	\$156	\$117
NZEE230 VTMX114	HBR	10	2	51% 57	80% 74	70% 99	95% 8	97% 99	95% 73	95% 65	95% 57	89% 41	92% 99	90% 43	62% 11	90% 93	89% 12	90% 64	88% 97	85% 12	87% 21	81% 31	82% 70	44% 37	52% 72	36% 18	25	42	14	45		
WGMF195	MORDALLUP TIMELINE F195^{SV}					+41	-18.2	-12.6	+0.2	+8.6	+47	+79	+108	+112	-3	+2.0	-3.4	+56	+4.3	-2.5	-0.8	+2.0	+0.4	-0.27	+9	+9	-12	+9	\$72	\$75	\$65	\$75
CAN1232661 WGMB254	HBR	12	3	57% 14	74% 99	61% 99	94% 98	95% 99	92% 53	90% 73	93% 62	85% 23	86% 99	73% 43	52% 74	89% 80	86% 74	89% 98	86% 61	82% 5	86% 96	83% 7	78% 38	64% 23	72% 81	63% 9	98	99	97	99		
NWMH162	MUNDOO HOT STUFF H162^{PV}					+38	-0.7	+1.5	-2.4	+4.3	+43	+75	+89	+95	+12	-0.3	+0.6	+46	+8.6	-4.0	-3.0	+3.3	-1.3	-1.30	+24	+0	+0	-23	\$63	\$93	\$35	\$80
CAN1338111 NWME50	HBR	4	5	44% 26	70% 70	58% 62	92% 81	91% 50	87% 77	87% 85	89% 94	83% 55	76% 84	72% 99	58% 99	87% 96	85% 10	88% 99	85% 97	86% 1	85% 99	80% 1	83% 6	74% 61	77% 59	71% 99	99	91	99	98		
CSWH211	MURDEDUKE HUSSAR H211^{PV}					+16	+4.3	+7.3	-9.1	+6.1	+61	+121	+167	+174	+18	+3.3	-1.8	+97	+2.4	-0.7	-3.3	+0.4	+1.6	-0.73	+12	+13	+12	-4	\$140	\$123	\$157	\$135
VTME343 CSWE175	HBR	0	5	40% 98	76% 36	67% 12	96% 3	95% 87	93% 3	93% 1	93% 1	88% 1	84% 38	90% 6	65% 92	89% 1	87% 94	90% 67	87% 98	85% 54	87% 61	82% 1	94% 29	85% 11	89% 22	78% 71	12	14	13	8		
CSWJ26	MURDEDUKE JAMBOREE J26^{PV}					+20	-3.4	-12.0	-6.9	+6.0	+54	+99	+132	+147	+9	+3.9	-5.4	+79	+4.0	-2.0	-1.2	+0.9	+3.1	-0.45	-10	-2	+5	-9	\$132	\$114	\$160	\$119
NORE11 CSWE27	HBR	28	6	72% 93	75% 83	66% 99	95% 14	95% 86	92% 16	93% 13	92% 11	84% 2	77% 96	88% 2	66% 37	89% 7	87% 78	90% 94	87% 72	85% 31	87% 12	83% 2	93% 92	86% 66	86% 42	79% 85	23	39	11	39		
CSWK428	MURDEDUKE KICKING K428^{PV}					+28	+9.3	+11.2	-7.2	+1.6	+45	+94	+128	+106	+25	+3.8	-4.7	+79	+1.6	+1.6	+0.1	-0.6	+2.3	+0.18	+34	-2	-10	-8	\$132	\$117	\$144	\$127
VTME343 CSWE175	HBR	23	8	64% 74	77% 7	65% 1	97% 11	97% 5	95% 67	95% 22	93% 16	91% 33	82% 3	92% 2	59% 50	82% 7	83% 98	85% 8	82% 34	80% 89	82% 33	83% 52	96% 1	87% 66	89% 78	78% 83	23	29	25	20		
CSWM140	MURDEDUKE NOVAK M140^{SV}					+40	+3.6	+1.5	-0.6	+2.1	+49	+88	+115	+97	+17	+2.8	-4.5	+65	+8.5	-0.6	-1.3	+0.4	+3.2	+0.01	-10	+19	+5	+8	\$134	\$120	\$152	\$125
VLYE313 CSWF193	HBR	0	9	32% 18	69% 41	57% 62	92% 95	88% 9	84% 43	80% 42	79% 44	77% 50	70% 44	74% 14	47% 54	74% 45	67% 11	71% 64	68% 75	68% 54	67% 10	60% 30	82% 92	52% 3	56% 44	41% 10	20	21	17	24		
Breed Average EBVs						+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert	Carcase				Feed	Tmp	Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM
NURL20 USA17314910 NURG34	MURRAY DOWNLOAD L20 ^{PV} HBR	23	7	+31 68% 59	+0.2 68% 65	+3.9 53% 40	-1.8 95% 87	+4.7 93% 60	+43 88% 78	+72 88% 91	+91 89% 92	+76 81% 87	+15 71% 62	+1.6 74% 63	-8.2 52% 4	+41 87% 99	+5.3 85% 56	+0.1 88% 41	+1.0 85% 14	+0.9 85% 31	+2.7 85% 21	+0.54 81% 90	+10 85% 35	-21 82% 94	-25 82% 96	-2 76% 65	\$126 34	\$115 36	\$139 31	\$116 47
NURG20 USA13058662 VTMD113	MURRAY EL GRANDO G20 ^{SV} HBR	6	3	+26 53% 80	-11.6 84% 99	+3.3 75% 45	-6.9 96% 14	+7.5 96% 98	+66 94% 1	+111 94% 2	+154 95% 1	+146 93% 2	+13 91% 78	+3.9 90% 2	-4.7 76% 50	+93 91% 1	+11.5 89% 2	-4.5 91% 99	-5.0 89% 99	+3.7 87% 1	+3.1 88% 12	-0.36 83% 4	+2 93% 64	+16 88% 6	-14 89% 83	+12 84% 4	\$160 1	\$133 3	\$196 1	\$143 2
NURM208 SMPG357 NURK45	MURRAY GENESIS M208 ^{PV} HBR	16	8	+30 63% 62	+4.1 70% 37	+5.3 58% 27	-6.1 92% 22	+5.4 91% 76	+56 87% 10	+107 88% 4	+135 85% 9	+124 80% 11	+19 72% 24	+3.7 72% 3	-7.8 53% 6	+81 77% 5	+12.7 75% 1	+0.8 81% 21	+0.1 77% 34	+2.1 75% 4	+2.0 76% 44	+1.06 78% 99	-7 85% 87	-10 76% 84	-7 76% 73	-5 69% 74	\$168 1	\$147 1	\$188 1	\$157 1
NURJ136 NURG20 NURF22	MURRAY GRANDO J136 ^{PV} HBR	25	6	+32 67% 53	+7.4 72% 16	+11.1 60% 1	-9.3 94% 3	+3.7 93% 35	+48 90% 47	+87 90% 46	+122 91% 27	+80 86% 83	+26 78% 2	+3.8 82% 2	-6.7 62% 16	+68 87% 32	+11.1 85% 2	-1.5 88% 87	-1.6 85% 81	+2.0 86% 5	+3.5 85% 6	+0.74 80% 97	+4 89% 57	-3 84% 69	+16 84% 11	-16 81% 95	\$169 1	\$140 1	\$199 1	\$153 1
NURJ94 USA16497066 VTMD233	MURRAY INGENUITY J94 ^{PV} HBR	0	5	+32 30% 53	+4.2 78% 37	+2.7 69% 51	-6.6 96% 17	+4.6 95% 58	+48 92% 50	+88 92% 41	+107 93% 63	+99 91% 47	+23 85% 7	+2.2 84% 84	-3.9 69% 66	+59 88% 71	+11.3 83% 2	-1.8 87% 92	-3.0 85% 97	+2.9 83% 1	+1.4 84% 69	+0.30 76% 68	-15 85% 97	+18 79% 4	-6 80% 71	-14 75% 93	\$122 43	\$124 12	\$128 46	\$119 39
NURJ14 USA15719841 NURG32	MURRAY JUDGE J14 ^{PV} HBR	22	6	+23 70% 86	+6.2 77% 23	+0.8 68% 67	-7.6 95% 9	+4.6 95% 58	+51 91% 32	+90 91% 35	+115 91% 43	+97 86% 52	+17 81% 42	+1.3 85% 77	-4.1 66% 62	+83 89% 3	+8.3 87% 12	+0.7 90% 23	-1.0 87% 67	+0.2 87% 63	+1.7 87% 56	+0.28 85% 65	-18 89% 99	+18 82% 3	-25 82% 97	-3 78% 67	\$116 55	\$112 46	\$118 60	\$116 47
NURK22 USA16381311 NURG81	MURRAY POWER TOOL K22 ^{PV} HBR	0	9	+41 32% 16	+10.0 74% 5	+7.9 61% 9	-4.3 96% 51	+0.0 94% 1	+48 89% 46	+80 86% 72	+105 87% 68	+59 83% 98	+16 77% 57	+0.6 80% 94	-3.6 55% 71	+53 77% 88	+5.0 74% 61	+0.6 78% 26	+0.7 76% 19	-0.9 74% 94	+3.2 74% 10	+0.47 62% 85	+21 86% 10	+13 68% 11	+7 76% 37	+13 69% 2	\$124 38	\$115 36	\$131 41	\$122 31
NURM204 USA16956101 NURJ43	MURRAY PROCEED M204 ^{PV} HBR	20	8	+32 68% 51	-10.6 71% 98	+4.0 58% 39	-3.8 95% 60	+5.4 93% 76	+63 90% 2	+113 91% 2	+147 89% 2	+134 82% 5	+20 72% 23	+3.5 82% 4	-5.3 50% 38	+96 78% 1	+9.6 79% 5	-2.7 83% 98	-3.4 79% 98	+1.1 77% 23	+4.7 79% 1	+0.33 82% 71	+1 89% 66	+24 84% 1	+3 84% 49	+12 77% 3	\$158 2	\$130 4	\$200 1	\$137 6
NURH32 USA16541214 VTMD113	MURRAY UPSHOT H32 ^{PV} HBR	0	4	+27 28% 75	+3.4 71% 42	+5.1 62% 28	-4.2 90% 53	+3.4 88% 29	+48 86% 48	+85 86% 54	+104 87% 70	+64 85% 96	+13 78% 78	+2.9 79% 12	-2.9 63% 82	+64 83% 48	+5.4 80% 54	+0.7 84% 23	-0.9 82% 64	+1.1 79% 23	+2.0 81% 44	+0.85 75% 99	-2 80% 74	+4 77% 42	-53 77% 99	-5 72% 76	\$118 51	\$120 21	\$120 57	\$117 45
SFNL21 NZE10322010609 SFNH65	NAMPARA LIBERTY L21 ^{SV} HBR	16	8	+35 61% 35	-3.6 70% 84	+3.8 52% 41	-7.9 97% 7	+7.9 97% 99	+62 93% 2	+105 94% 5	+139 92% 5	+136 82% 4	+8 70% 98	+2.6 91% 19	-4.0 49% 64	+79 78% 7	+7.5 79% 20	-1.2 82% 81	-0.4 79% 49	+1.5 76% 12	+0.3 78% 97	-0.33 83% 5	+22 87% 8	+2 75% 56	-10 76% 77	+16 67% 1	\$122 43	\$116 32	\$119 58	\$125 24
DDSD57 NAQA2 NSTW44	N BAR A2 ADMIRAL D57 ^{SV} HBR	9	2	+15 51% 99	-12.3 69% 99	-17.5 61% 99	-3.2 89% 70	+8.4 87% 99	+56 83% 10	+94 83% 22	+128 85% 16	+115 79% 19	+15 70% 63	+2.1 70% 38	-4.8 60% 48	+82 82% 4	+7.2 80% 23	-3.0 84% 99	-4.9 81% 99	+1.9 78% 6	+2.8 80% 19	+0.40 78% 79	+23 74% 7	+4 36% 46	+12 44% 23	-15 39% 94	\$111 65	\$98 85	\$134 37	\$100 83
UKI54269710 CBJW42 UKI542697100114	NETHERTON MR RADER J527 ^{SV} HBR	10	2	+32 52% 54	-7.9 72% 95	+0.7 59% 68	+1.8 92% 99	+6.1 93% 87	+36 89% 96	+58 89% 99	+79 90% 98	+82 86% 80	+9 77% 97	-0.1 78% 99	+5.1 56% 99	+38 87% 99	+12.8 84% 1	-1.4 88% 85	-4.2 85% 99	+3.7 82% 1	-1.7 84% 99	-0.80 80% 1	+12 74% 28	+9 52% 23	+10 58% 27	+13 46% 3	\$31 99	\$65 99	-\$7 99	\$54 99
SKOJ6 VTME343 NZCE115	NEWLYN PARK EMPEROR J6 ^{PV} HBR	17	6	+20 57% 94	-8.8 71% 96	-2.7 63% 88	-7.8 91% 7	+7.7 88% 98	+67 85% 1	+112 85% 2	+150 86% 2	+155 80% 1	+10 71% 94	+2.5 71% 22	-6.3 61% 22	+87 83% 2	+6.8 81% 29	-0.2 85% 51	-0.9 82% 64	+1.7 80% 9	+1.5 81% 65	-0.41 76% 3	+10 77% 33	+4 71% 43	-42 72% 99	+2 64% 42	\$138 15	\$120 21	\$151 18	\$131 13
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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Ident	Name	Statistics																														
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert	Carcase				Feed		Tmp		Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS
NZE21095009	NGAPUTAH I E38 #					+20	-1.4	-5.5	-2.8	+7.0	+49	+81	+96	+93	+9	+1.9	-3.5	+57	+2.1	-2.1	-2.4	+0.1	+2.4	-0.45	-16	-4	+8	-15	\$87	\$96	\$94	\$85
NZE2109500590	HBR	22	3	61%	78%	61%	94%	96%	94%	95%	93%	88%	91%	93%	60%	92%	90%	92%	90%	87%	90%	85%	82%	69%	75%	71%						
NZE16271103409				93	74	96	76	96	40	70	85	60	97	48	73	76	96	95	93	68	30	2	97	73	34	94	93	88	85	96		
NNHC17	NOONEE CARSTAIRS C17 SV					+33	+5.6	-1.3	-0.7	+3.1	+34	+67	+84	+77	+20	+1.5	+0.1	+51	+3.1	+1.2	-1.3	-0.4	+1.5	+0.13	-10	+0	-9	+0	\$65	\$81	\$55	\$72
NDIW111	HBR	0	1	25%	75%	63%	91%	95%	92%	92%	92%	90%	90%	89%	61%	89%	87%	90%	88%	84%	86%	81%	81%	33%	55%	36%						
NNHY157				47	27	82	95	23	98	96	97	87	22	68	99	91	89	13	75	85	65	45	93	62	76	50	99	98	98	99		
NNHE41	NOONEE EUCLID E41 SV					+44	+0.5	+5.1	-2.6	+4.1	+38	+66	+88	+47	+22	+0.7	-3.4	+46	+7.1	+0.3	-1.1	+1.6	+1.6	-0.35	-14	+1	-4	+6	\$102	\$103	\$99	\$103
USA13395344	HBR	0	1	29%	74%	64%	93%	94%	91%	92%	91%	88%	87%	88%	66%	87%	85%	87%	85%	82%	84%	78%	84%	27%	43%	31%						
NNHY37				8	63	28	78	45	92	97	94	99	8	93	74	97	25	34	69	10	61	4	97	60	67	18	80	74	81	79		
USA16981588	PA FULL POWER 1208 PV					+38	-5.7	-3.5	-5.6	+3.4	+54	+97	+118	+85	+13	+1.9	-4.2	+66	+11.5	-0.5	-0.6	+0.8	+3.1	+0.74	+12	-11	-18	-6	\$133	\$123	\$147	\$126
USA16381311	HBR	16	8	64%	90%	74%	99%	98%	97%	98%	97%	95%	94%	96%	61%	90%	90%	91%	89%	87%	89%	84%	97%	85%	87%	78%						
USA16408070				28	91	91	29	29	17	16	35	76	77	48	60	41	2	61	55	35	12	97	29	85	89	78	22	14	22	22		
USA17585042	PA RANCH HOUSE 349 PV					+20	+5.5	+5.0	-5.8	+4.0	+51	+92	+115	+79	+27	-0.1	-2.2	+65	+7.4	+0.6	+2.6	+0.2	+2.1	+0.81	-19	-45	-49	-10	\$124	\$121	\$123	\$126
USA16651533	HBR	30	6	73%	80%	62%	98%	98%	96%	96%	96%	89%	87%	94%	59%	91%	92%	89%	89%	89%	83%	84%	85%	85%	79%							
USA17193464				93	27	29	26	43	29	28	42	83	1	99	89	47	21	26	2	63	40	98	99	99	99	88	38	18	53	22		
HKFJ87	PARINGA ABSOLUTE J87 PV					+27	+5.3	-2.2	-11.5	+2.7	+50	+82	+92	+103	+4	+2.6	-8.4	+69	+7.9	+1.7	-0.1	+1.2	+2.6	+0.08	+2	+10	+6	+8	\$129	\$125	\$142	\$118
USA16430795	HBR	0	5	29%	70%	58%	95%	91%	88%	88%	88%	84%	78%	76%	58%	87%	85%	88%	85%	84%	85%	81%	81%	68%	73%	67%						
HKFF406				76	29	86	1	16	38	64	91	39	99	19	3	31	15	7	40	20	24	38	62	18	41	13	28	11	27	42		
HKFE27	PARINGA IRON ORE E27 PV					+46	+9.4	+3.2	-7.8	+2.4	+38	+73	+96	+105	+14	+2.3	-7.7	+73	+7.1	+0.3	+0.1	-0.1	+1.7	+0.34	+30	-5	+6	+5	\$113	\$104	\$118	\$108
VTMA149	HBR	11	2	56%	79%	68%	96%	96%	93%	93%	93%	88%	90%	90%	66%	90%	88%	90%	88%	85%	87%	83%	84%	56%	62%	49%						
FAFC1				5	7	46	7	12	92	89	86	35	76	30	7	17	25	34	34	76	56	72	2	75	39	25	61	72	60	69		
HKFK146	PARINGA RED PILBARA K146 PV					+87	+3.3	+2.5	-1.0	+2.9	+30	+60	+59	+22	+12	+1.8	-7.8	+37	+4.2	+0.6	+3.5	-2.6	+4.7	+0.95	+0	-8	+22	+3	\$108	\$106	\$124	\$97
HKFH114	HBR	20	6	71%	69%	54%	93%	91%	87%	88%	88%	81%	74%	75%	56%	85%	83%	87%	84%	82%	83%	80%	74%	73%	69%	66%						
HKFG42				1	43	53	93	19	99	99	99	99	87	53	6	99	75	26	1	99	1	99	69	80	2	34	71	66	51	87		
SMPF195	PATHFINDER EQUATOR F195 SV					+28	-3.2	+3.7	-7.8	+5.7	+53	+90	+124	+122	+16	+2.1	-1.4	+86	+8.9	-4.3	-5.5	+3.8	+0.7	-0.02	+14	+6	+7	-24	\$111	\$111	\$116	\$111
NAQA241	HBR	8	3	47%	71%	62%	88%	92%	88%	88%	89%	81%	77%	83%	61%	85%	82%	86%	83%	80%	82%	77%	77%	58%	65%	62%						
SMPB493				73	83	41	7	82%	88%	88%	22	12	59	38	94	2	8	99	99	1	92	26	22	34	38	99	65	50	62	61		
SMPG357	PATHFINDER GENESIS G357 PV					+30	+4.1	+6.1	-7.7	+6.7	+61	+109	+147	+163	+26	+4.2	-4.6	+95	+10.6	+1.7	-0.1	+1.3	+1.7	+0.77	+19	-18	-6	-12	\$147	\$128	\$160	\$141
VTMB1	HBR	0	4	41%	92%	78%	99%	99%	98%	98%	98%	96%	98%	73%	94%	92%	93%	92%	89%	91%	85%	98%	92%	93%	89%							
SMPD245				60	37	20	8	93	3	3	2	1	2	1	52	1	3	7	40	17	56	98	12	91	71	90	6	6	11	3		
SMPK22	PATHFINDER COMPLETE K22 SV					+40	+13.9	+11.5	-9.8	+0.4	+39	+75	+90	+69	+28	+2.6	-6.7	+57	+7.5	+3.5	+4.1	-0.1	+2.0	+0.44	+18	-1	+28	+3	\$121	\$117	\$119	\$120
SMPG357	HBR	24	7	66%	81%	64%	98%	98%	97%	97%	97%	87%	83%	96%	57%	91%	91%	91%	89%	90%	89%	84%	95%	89%	88%	84%						
SMPH756				19	1	1	2	1	90	85	93	93	1	19	16	77	20	1	1	76	44	83	15	65	1	32	45	29	58	36		
SMPM651	PATHFINDER MASTERPIECE					+28	+2.5	+6.1	-8.6	+6.1	+65	+113	+156	+160	+24	+4.0	-7.8	+79	+9.0	-0.4	-1.3	+1.6	+2.5	-0.03	+36	-	-	-	\$171	\$140	\$199	\$157
VTMG67	HBR	0	9	36%	72%	63%	88%	91%	85%	83%	82%	79%	72%	71%	55%	76%	69%	73%	71%	71%	69%	64%	68%	-	-	-						
SMPH66				71	49	20	4	87	1	1	1	1	5	2	6	7	8	57	75	10	26	25	1	-	-	-	1	1	1	1		
SMPM558	PATHFINDER MAXIMUS M558 PV					+26	+0.5	-0.1	-6.7	+6.0	+60	+97	+134	+130	+24	+4.7	-8.9	+54	+10.0	-0.6	+0.4	+1.5	+2.6	-0.11	+32	+10	+7	+7	\$158	\$129	\$179	\$144
VTMG67	HBR	10	8	62%	75%	65%	96%	96%	92%	93%	93%	85%	76%	89%	59%	81%	81%	84%	82%	79%	80%	80%	74%	60%	58%	45%						
SMPH458				79	63	74	16	86	3	15	9	6	5	1	2	86	4	64	26	12	24	17	2	18	36	15	2	5	3	2		
Breed Average EBVs						+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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Ident	Name	Statistics																														
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert		Carcase				Feed		Tmp		Structural			Selection Index		
Dir	Dtrs						GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS		
SMPE34	PATHFINDER TOTAL E34 ^{PV}					+0	-26.5	-11.1	-1.0	+8.5	+66	+108	+136	+155	+9	+2.4	-2.9	+68	+11.9	-2.1	-3.7	+3.4	+1.1	-0.66	+13	-4	-4	-5	\$83	\$86	\$86	\$82
USA14844711 SMPZ556	HBR	15	2	57%	79%	67%	96%	96%	94%	94%	94%	87%	90%	92%	61%	90%	87%	90%	88%	84%	87%	83%	83%	52%	58%	46%	95	96	90	97		
NZE11990010	PINEBANK 64/10 #					+33	+5.0	+4.1	-6.5	+3.6	+34	+66	+69	+52	+12	+1.7	-4.3	+32	+6.5	+4.8	+1.9	-0.6	+0.8	+0.05	+2	+0	+24	-6	\$76	\$95	\$58	\$85
NZE1199000839 NZE11990103111	HBR	0	5	32%	75%	62%	91%	95%	93%	92%	93%	91%	89%	91%	65%	88%	87%	89%	87%	86%	86%	77%	72%	63%	63%	58%	97	89	98	96		
NZE41-97	PINEBANK WAIGROUP 41/97 #					+36	+4.6	-6.0	-4.0	+3.6	+38	+65	+76	+50	+18	+0.8	-2.5	+16	+6.4	+0.6	+0.1	+0.6	-0.1	-0.63	+17	+20	+28	+2	\$63	\$85	\$36	\$77
NZE53195 NZE63988	HBR	0	1	30%	95%	89%	98%	98%	98%	98%	98%	98%	98%	98%	97%	91%	96%	95%	96%	96%	94%	95%	90%	89%	56%	68%	48%	99	97	99	98	
CXBL77	PRIME LEGEND L77 ^{SV}					+23	+5.1	+6.5	-8.7	+2.5	+47	+92	+113	+88	+24	+2.2	-6.4	+58	+7.0	-0.8	+0.6	+1.7	+1.3	-0.03	+20	+11	-8	+10	\$136	\$130	\$139	\$133
WLHD19 CXBF20	HBR	15	8	59%	72%	62%	95%	93%	89%	90%	86%	80%	75%	82%	53%	78%	79%	83%	80%	77%	79%	79%	87%	73%	73%	62%	17	4	31	10		
QRFJ347	RAFF HINGAIA J347 ^{DV}					+42	-1.0	+3.6	-5.4	+6.9	+49	+91	+129	+126	+18	+1.2	-0.2	+81	+14.5	-1.0	-2.7	+3.1	-0.3	-0.43	+17	+11	-18	+4	\$111	\$108	\$102	\$118
NZE469 QRFF14	HBR	29	6	74%	76%	66%	94%	94%	90%	91%	92%	84%	77%	80%	66%	89%	86%	89%	86%	86%	83%	81%	74%	76%	68%	65	60	78	42			
NZE10285	RED OAK ZULU 285 ^{SV}					+29	-5.3	-12.0	-0.9	+6.0	+26	+50	+57	+44	+4	-0.6	+0.8	+12	+0.1	+1.5	+3.3	-1.7	+0.1	+0.24	-5	+7	+9	+3	\$17	\$49	-\$19	\$37
NZE689 NZE21117108999	HBR	13	3	60%	76%	64%	91%	95%	93%	92%	93%	87%	87%	88%	66%	90%	88%	91%	89%	86%	88%	84%	78%	63%	71%	65%	99	99	99	99		
NLRE17	REILAND EVERITT E17 ^{PV}					+25	-5.7	+6.0	-1.8	+5.6	+53	+88	+119	+85	+14	+4.4	-3.5	+64	+9.2	-1.8	+0.4	+2.2	+1.7	-0.58	+4	-3	-16	-2	\$128	\$118	\$132	\$127
USA13058662 NAQW232	HBR	0	1	34%	84%	73%	95%	96%	94%	94%	95%	92%	91%	92%	68%	90%	89%	91%	89%	86%	88%	82%	83%	64%	69%	60%	30	26	40	20		
NORF857	RENNYLEA AMBASSADOR F857					+41	-8.0	+0.9	-3.5	+5.8	+45	+91	+117	+116	+15	+1.6	-8.5	+86	+2.7	+1.4	+0.3	-1.3	+5.1	+0.80	-3	-6	-27	+0	\$140	\$112	\$182	\$117
NORD372 NORW449	APR	18	3	59%	83%	73%	96%	98%	97%	97%	96%	92%	94%	96%	68%	92%	91%	92%	91%	87%	90%	86%	90%	73%	80%	73%	12	46	2	45		
NORF340	RENNYLEA BLACK GOLD F340 ^{PV}					+39	+7.2	+1.7	-4.2	+1.7	+37	+70	+84	+66	+4	+0.6	-2.6	+33	+4.5	-1.5	-0.4	-1.3	+3.2	-0.30	-3	+4	+16	+12	\$97	\$100	\$105	\$95
NZE04379 VLYZ1393	HBR	9	3	52%	79%	71%	96%	95%	93%	93%	93%	90%	89%	88%	70%	89%	87%	90%	88%	85%	87%	83%	88%	75%	77%	72%	85	81	75	89		
NORC511	RENNYLEA C511 ^{PV}					+51	+2.2	+2.4	-1.1	+3.1	+34	+71	+82	+64	+16	+3.1	-6.0	+51	+11.9	+1.9	+0.0	+0.6	+4.8	+0.91	+2	+6	+14	+9	\$138	\$125	\$170	\$121
USA13395344 NORW449	APR	0	1	54%	96%	91%	99%	99%	98%	98%	98%	98%	98%	98%	93%	97%	96%	97%	97%	96%	96%	91%	98%	86%	89%	77%	15	11	6	34		
NORD288	RENNYLEA DIGGER D288 ^{SV}					+44	+8.4	+4.0	-4.5	+1.7	+41	+72	+87	+28	+22	+0.2	-7.7	+32	+4.2	-1.4	+0.8	-0.7	+3.2	-0.70	+12	+3	+16	-9	\$124	\$116	\$132	\$117
VTMA217 NORB595	HBR	0	1	35%	83%	72%	96%	96%	93%	93%	94%	92%	90%	90%	67%	90%	88%	90%	88%	86%	88%	83%	86%	61%	67%	60%	38	32	40	45		
NORE11	RENNYLEA EDMUND E11 ^{PV}					+25	+11.7	-0.2	-7.2	+1.0	+35	+66	+86	+58	+17	+1.9	-11.7	+53	+7.1	+3.5	+1.3	-0.5	+3.9	+0.89	+11	+8	+24	-12	\$142	\$118	\$167	\$125
NGMY145 VLYY5	HBR	16	2	70%	98%	94%	99%	99%	99%	99%	99%	98%	99%	99%	92%	98%	97%	98%	98%	97%	97%	94%	99%	97%	97%	95%	10	26	7	24		
NORF266	RENNYLEA F266 ^{PV}					+43	+8.3	+5.8	-6.0	-0.3	+42	+72	+99	+46	+27	+1.2	+0.2	+52	+7.5	+0.0	-1.4	-1.0	+2.4	+0.22	-4	-19	-25	+7	\$91	\$94	\$84	\$98
NZE04379 VLYZ1393	HBR	8	3	53%	93%	84%	98%	98%	98%	98%	98%	97%	97%	98%	86%	95%	94%	95%	94%	92%	93%	89%	98%	84%	87%	76%	90	90	91	86		
Breed Average EBVs						+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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Ident	Name	Statistics																															
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert		Carcase				Feed		Tmp		Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS	
NORG255 BNAD145 NORC490	RENNYLEA G255 ^{PV} APR	0	4	+37 38% 31	-10.2 92% 98	-5.4 83% 96	-3.3 98% 68	+4.5 98% 55	+50 98% 34	+96 98% 18	+134 98% 9	+123 97% 11	+23 97% 8	+1.0 97% 86	-3.3 81% 76	+91 95% 1	+6.3 94% 94	+0.0 95% 44	-3.2 95% 98	-0.6 92% 89	+5.3 94% 1	+0.14 89% 46	-1 97% 72	-6 82% 77	-41 87% 99	+0 73% 51	\$130 27	\$103 74	\$172 5	\$112 58			
NORH556 NORC574 NORF909	RENNYLEA H556 ^{PV} APR	19	6	+33 61% 47	-0.7 88% 70	+10.5 76% 2	-2.9 98% 74	+3.1 98% 23	+42 97% 80	+79 97% 76	+100 97% 80	+72 96% 91	+24 95% 5	+2.4 96% 26	-6.6 74% 18	+60 90% 66	+10.4 90% 3	-0.1 91% 47	+0.0 90% 37	+1.0 87% 27	+3.3 88% 9	-0.06 80% 22	+3 97% 59	+20 81% 3	+8 83% 33	+23 70% 1	\$137 16	\$123 14	\$156 14	\$126 22			
NORH708 NORC511 NORE176	RENNYLEA H708 ^{PV} APR	16	5	+54 70% 1	-7.1 84% 94	-1.5 74% 83	+1.5 98% 99	+4.8 98% 63	+48 96% 47	+99 97% 11	+127 96% 17	+113 93% 22	+13 88% 78	+2.3 96% 30	-4.2 73% 60	+72 93% 20	+10.6 92% 3	-3.2 93% 99	-4.6 92% 99	+1.9 90% 6	+5.7 91% 1	+0.78 88% 98	+9 96% 38	+12 86% 13	+11 86% 23	+14 80% 2	\$163 1	\$135 2	\$219 1	\$137 6			
NORH7 USA15840414 VLYZ1393	RENNYLEA H7 ^{PV} HBR	0	5	+39 38% 23	+6.6 88% 20	+7.0 79% 14	-8.0 98% 7	+3.0 98% 21	+50 97% 37	+88 97% 42	+118 97% 35	+83 96% 78	+20 95% 18	-0.3 96% 99	-4.9 75% 46	+56 91% 81	+9.3 91% 6	+0.1 92% 41	-2.0 91% 88	+0.7 89% 40	+0.6 90% 94	-0.68 83% 1	+14 96% 22	+12 88% 14	+13 89% 19	+14 80% 2	\$118 51	\$113 42	\$111 69	\$122 31			
NORJ140 USA16497066 NORC627	RENNYLEA J140 ^{PV} APR	0	5	+39 33% 23	-20.7 78% 99	-4.4 69% 93	+1.3 95% 99	+7.6 95% 98	+63 92% 2	+121 93% 1	+160 93% 1	+130 90% 7	+23 86% 6	+2.4 89% 26	-4.2 66% 60	+94 88% 1	+10.2 88% 4	-1.4 90% 85	-4.4 88% 99	+1.5 87% 12	+3.9 87% 3	-0.15 83% 14	-1 91% 70	+5 70% 38	+10 75% 28	+6 65% 20	\$139 13	\$114 39	\$175 4	\$123 29			
NORK163 NORH106 NORE176	RENNYLEA K163 ^{PV} APR	33	6	+27 75% 76	+6.9 83% 19	-6.7 71% 97	-4.0 98% 56	+1.6 98% 5	+42 97% 82	+77 97% 81	+101 97% 78	+56 90% 98	+12 90% 87	+0.3 94% 97	-3.0 69% 80	+63 92% 55	+17.6 92% 1	-1.6 93% 89	-1.7 91% 83	+2.8 90% 1	+2.5 90% 26	+0.21 86% 56	+12 88% 30	+24 80% 1	+4 82% 46	+14 75% 2	\$140 12	\$128 6	\$150 19	\$134 9			
NORK178 NORH106 NORE535	RENNYLEA K178 ^{PV} APR	37	6	+23 73% 86	+2.6 83% 48	-4.4 71% 93	-10.1 97% 2	+4.3 97% 50	+46 96% 59	+84 96% 58	+115 96% 43	+94 92% 57	+24 88% 5	+0.8 95% 91	-3.3 64% 76	+67 92% 39	+16.2 92% 1	+0.5 93% 29	+0.3 91% 29	+2.7 91% 1	+0.8 90% 89	-0.68 87% 1	-9 96% 91	+26 84% 1	+16 85% 11	+12 79% 3	\$128 30	\$118 26	\$124 51	\$129 16			
NORK835 NORG420 NORH514	RENNYLEA K835 ^{PV} APR	10	7	+24 53% 84	-0.9 78% 71	-2.1 63% 86	-2.3 98% 82	+6.1 95% 87	+50 94% 35	+91 94% 33	+119 94% 34	+96 86% 52	+17 77% 49	+3.1 86% 8	-6.2 57% 23	+62 87% 57	+7.2 86% 23	+0.9 89% 19	-0.7 86% 58	-0.2 86% 79	+4.1 86% 2	-0.09 79% 19	-2 90% 75	+4 82% 46	+1 82% 55	-34 74% 99	\$141 11	\$120 21	\$171 5	\$126 22			
NORK522 NORE11 NORF810	RENNYLEA KODAK K522 ^{SV} HBR	16	7	+32 63% 55	+12.2 82% 2	+10.8 71% 2	-6.5 99% 18	+1.5 98% 5	+48 97% 47	+89 97% 38	+121 97% 29	+123 87% 11	+11 83% 89	+4.7 96% 1	-8.6 64% 3	+69 90% 30	+3.7 90% 80	+3.3 91% 1	+1.3 89% 10	-1.2 88% 97	+4.2 83% 2	+0.76 93% 88	-4 94% 81	+4 91% 46	+17 91% 8	+0 85% 53	\$157 2	\$127 8	\$190 1	\$139 4			
NORL683 NORE11 NORJ631	RENNYLEA L683 ^{PV} APR	13	8	+39 60% 22	+3.4 76% 42	+1.3 66% 63	-5.7 97% 28	+5.2 97% 72	+56 94% 11	+94 94% 22	+124 86% 23	+114 77% 21	+14 79% 69	+2.7 92% 17	-9.5 60% 1	+75 80% 13	+8.7 82% 9	+1.4 84% 11	-0.6 82% 55	+0.7 79% 40	+2.5 81% 26	+0.87 82% 99	+5 93% 52	-1 77% 64	+19 76% 6	-7 65% 81	\$152 3	\$129 5	\$171 5	\$139 4			
NORM27 NORG317 NORH370	RENNYLEA M27 ^{PV} HBR	18	8	+31 67% 57	-5.7 70% 91	-2.5 61% 87	-4.6 91% 46	+8.6 88% 99	+59 84% 4	+103 85% 7	+135 84% 8	+121 80% 13	+23 72% 8	+5.0 76% 1	-5.3 55% 38	+66 76% 44	+10.3 75% 3	-2.9 80% 99	-3.6 77% 99	+3.5 75% 1	+2.1 76% 40	-0.10 79% 18	+15 81% 20	+11 72% 15	-8 72% 75	+4 57% 31	\$143 9	\$128 6	\$164 9	\$132 11			
TRHG4 USA0035 TRHD38	RICHMOND HILL FINALE G4 ^{SV} APR	0	5	+29 35% 69	+1.3 71% 57	+3.1 58% 47	-7.7 93% 8	+5.5 92% 78	+51 88% 33	+90 88% 35	+112 89% 52	+93 83% 58	+6 73% 99	+2.6 72% 19	-2.3 59% 88	+63 87% 53	+4.1 85% 77	-1.2 88% 81	-1.2 85% 72	+1.2 86% 20	+2.7 85% 21	+0.36 82% 75	-17 84% 98	+3 68% 52	+3 72% 48	+13 64% 2	\$124 38	\$121 18	\$138 32	\$118 42			
VRBJ297 USA16413257 HBUF274	RIDDELLVUE JUSTICE J297 ^{PV} HBR	0	5	+33 33% 45	-1.5 74% 75	+1.7 62% 60	-4.9 95% 41	+6.6 95% 93	+53 91% 19	+91 92% 32	+122 92% 26	+89 86% 67	+19 78% 27	+1.2 86% 80	-3.5 61% 73	+73 88% 18	+3.7 85% 83	-1.6 88% 89	-2.6 86% 94	+1.0 84% 27	+1.1 85% 81	-0.22 81% 10	+16 82% 19	+13 74% 12	-39 80% 99	+8 72% 13	\$107 72	\$105 69	\$107 73	\$109 66			
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114			

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Sire Dam	Name	Statistics																													
		Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert	Carcase				Feed	Tmp	Structural			Selection Index					
						Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS
NZE14572010 USA16135244 NZE145721081079	RISSINGTON PROMINENT HBR	0	5	+34 29% 41	+2.4 75% 50	-0.5 63% 77	-1.9 96% 86	+2.8 95% 17	+56 92% 11	+89 93% 14	+130 87% 39	+103 85% 83	+13 87% 96	+0.5 59% 92	-1.8 86% 30	+69 86% 90	+3.0 88% 51	-0.2 85% 24	+0.5 86% 97	-1.3 84% 33	+2.3 78% 25	-0.03 80% 93	-11 72% 99	-45 74% 99	-33 65% 99	-26 65% 99	\$113 61	\$100 81	\$114 65	\$115 50	
NZE14572012 USA16248786 NZE145721060956	RISSINGTON RESOLUTE 120992 HBR	0	5	+30 26% 64	+4.1 76% 37	-2.0 63% 85	+0.0 94% 97	+4.0 95% 43	+49 91% 41	+84 91% 56	+103 84% 74	+96 84% 53	+7 86% 99	+2.9 57% 12	-3.3 84% 78	+57 83% 13	+8.1 86% 1	+3.1 83% 3	+2.5 82% 94	-0.9 82% 56	+1.7 73% 99	+0.85 82% 14	+18 60% 94	+18 61% 75	-9 54% 51	+0 54% 51	\$103 78	\$104 72	\$96 83	\$106 73	
USA16396573 USA0035 USA15688516	S A V CAMARO 9272^{SV} HBR	12	3	+30 54% 65	+8.5 83% 11	+4.5 68% 34	-7.6 97% 9	+3.8 97% 38	+47 95% 54	+76 95% 82	+92 95% 91	+81 93% 82	+9 89% 96	+1.8 63% 53	-9.1 91% 2	+44 89% 97	+1.3 91% 26	+0.6 89% 72	-1.2 86% 23	+1.1 88% 61	+1.6 83% 99	+1.12 82% 78	-3 62% 36	+6 73% 95	-22 63% 2	+14 63% 2	\$118 51	\$116 32	\$124 51	\$111 61	
SGMH22 USA15330743 SGMD16	STONEY POINT HEINEKEN H22 HBR	32	6	+15 77% 98	-6.3 77% 92	-15.2 67% 99	-3.9 94% 58	+6.6 96% 93	+57 94% 8	+102 94% 8	+139 90% 6	+126 87% 9	+18 92% 38	+2.3 66% 30	-5.7 89% 31	+89 87% 1	+6.6 90% 32	-1.9 87% 93	-0.9 84% 64	+1.7 86% 9	+1.1 86% 81	+0.00 82% 28	+13 88% 25	+13 80% 91	-18 81% 99	-35 73% 67	-3 73% 67	\$123 40	\$109 57	\$129 44	\$120 36
NZE19507009 NZE04379 NZE19507107C133	STORTH OAKS BEYOND HBR	14	2	+40 62% 19	+5.4 86% 28	-4.9 77% 95	-7.1 96% 12	+0.8 97% 2	+33 96% 99	+73 96% 89	+87 96% 95	+78 93% 85	+5 94% 99	+1.0 94% 86	-4.5 68% 54	+40 92% 99	+8.5 91% 81	-1.2 92% 9	+1.4 91% 81	-0.1 88% 76	+2.1 90% 90	+1.09 85% 99	+5 88% 50	-8 50% 80	-29 60% 99	-8 44% 84	\$108 71	\$107 63	\$111 69	\$106 73	
NZE19507008 VTMA134 NZE19507106B167	STORTH OAKS D21 AB^{SV} HBR	0	1	+24 33% 83	-2.8 90% 81	+3.7 82% 41	-0.4 98% 96	+7.4 98% 97	+45 97% 67	+78 98% 78	+105 97% 69	+111 97% 24	+15 97% 63	+3.0 97% 10	-3.0 72% 80	+60 93% 67	+11.7 92% 1	-2.7 93% 98	+0.8 92% 18	+2.7 90% 1	+1.1 91% 81	+0.33 84% 71	-22 93% 99	-3 84% 69	+21 82% 3	+3 80% 32	\$114 59	\$110 53	\$115 64	\$114 53	
NZE19507012 VTME343 NZE19507109E246	STORTH OAKS H41^{SV} HBR	0	5	+30 39% 65	+6.5 81% 21	+6.7 72% 16	-7.8 96% 7	+4.4 95% 53	+48 92% 49	+89 92% 40	+116 94% 41	+107 91% 31	+16 87% 52	+4.4 89% 1	-8.1 67% 5	+54 88% 86	+8.1 87% 13	+2.1 89% 5	+1.5 87% 8	+1.7 86% 9	+0.9 79% 87	+0.67 91% 96	+17 85% 16	+3 85% 53	+9 85% 31	+2 80% 42	\$142 10	\$128 6	\$145 24	\$137 6	
NZE19507013 VTME343 NZE19507111G183	STORTH OAKS JACK J7^{SV} HBR	15	7	+21 59% 91	+8.5 82% 11	+6.4 71% 18	-5.0 98% 39	+5.2 97% 72	+62 95% 2	+115 95% 1	+161 95% 1	+152 90% 1	+21 83% 12	+4.1 94% 1	-1.6 63% 93	+87 91% 2	+7.8 89% 16	-0.1 91% 47	-2.1 89% 89	+0.3 88% 59	+2.8 88% 19	+0.39 83% 78	+16 94% 17	+2 81% 55	+1 83% 54	-4 75% 73	\$153 3	\$129 5	\$176 3	\$145 2	
NZE19507016 NZE19507013J7 NZE19507114K291	STORTH OAKS M10^{SV} HBR	0	9	+29 36% 68	+3.6 70% 41	+6.3 57% 19	-2.8 90% 76	+6.0 91% 86	+63 83% 2	+120 81% 1	+157 80% 2	+144 76% 2	+18 66% 33	+3.2 80% 7	-6.3 47% 22	+92 74% 1	+4.6 71% 69	-0.3 74% 54	-0.7 72% 58	-1.1 71% 96	+3.9 69% 3	+0.71 62% 97	+15 77% 20	- - -	- - -	- - -	\$168 1	\$138 1	\$202 1	\$151 1	
VSNG34 VTMB1 VSNE22	STRATHEWEN BERKLEY G34^{PV} HBR	0	5	+30 41% 63	+10.0 76% 5	+6.2 67% 20	-7.8 92% 7	+3.6 89% 33	+53 89% 22	+97 90% 16	+131 86% 12	+134 82% 5	+13 82% 78	+2.1 80% 38	-5.3 67% 38	+78 88% 8	+4.5 86% 70	+0.8 89% 21	+0.4 87% 26	-0.5 86% 87	+2.2 86% 36	+0.05 83% 35	+1 86% 66	+3 72% 53	-12 75% 81	-7 69% 81	\$135 19	\$118 26	\$147 22	\$129 16	
VSNH40 VTMD19 VSNF12	STRATHEWEN RED DAIQUIRI HBR	0	4	+29 34% 66	+10.2 72% 5	+3.3 63% 45	-7.3 94% 11	+2.2 92% 10	+43 88% 78	+94 89% 24	+120 89% 32	+103 84% 40	+28 79% 1	+3.1 73% 8	-5.1 61% 42	+50 86% 92	+6.0 83% 43	-0.3 87% 54	-0.5 84% 52	+0.5 81% 49	+2.5 83% 26	+0.15 78% 48	+16 81% 19	-11 76% 85	-24 77% 96	-6 70% 77	\$135 19	\$122 16	\$150 19	\$127 20	
VSNE11 SEWA45 VSNC46	STRATHEWEN TIMEOUT E11^{PV} HBR	0	1	+29 29% 66	+5.2 70% 29	+6.2 59% 20	-0.9 90% 94	+1.5 91% 5	+40 87% 89	+78 88% 78	+104 88% 71	+71 82% 91	+25 75% 3	+2.0 74% 43	-2.8 59% 83	+60 86% 65	+6.7 85% 31	+1.1 88% 15	+1.7 85% 6	-0.7 81% 91	+3.3 85% 9	+0.00 80% 28	+24 81% 6	-3 62% 69	+1 66% 56	-9 54% 85	\$122 43	\$111 50	\$132 40	\$118 42	
WJYJ28 NMMD78 WJYC12	STRATHTAY EQUATOR J28^{PV} HBR	0	5	+37 27% 30	+0.7 68% 62	+3.7 57% 41	-9.0 92% 3	+5.4 87% 76	+51 84% 33	+87 84% 45	+127 86% 17	+137 80% 4	+11 71% 92	+0.5 71% 96	-3.4 54% 74	+72 86% 22	+2.6 84% 93	-0.7 87% 67	-0.5 84% 52	+0.4 85% 54	+1.8 84% 52	-1.06 82% 1	+13 79% 27	-10 64% 84	+3 67% 50	-5 60% 75	\$117 53	\$103 74	\$127 47	\$114 53	
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114	

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		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert		Carcase				Feed		Tmp		Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS	
WJYF55	STRATHTAY STRUT F55 ^{SV}					+32	-10.7	+2.3	+0.8	+6.9	+61	+107	+140	+138	+18	+1.4	-0.9	+78	+9.4	-5.7	-7.3	+5.7	-0.6	-0.95	+9	+3	+8	+7	\$108	\$115	\$106	\$112	
USA756 WJYZ54	HBR	7	2	46%	52	65%	52%	91%	88%	84%	84%	86%	80%	70%	74%	51%	84%	81%	85%	82%	78%	82%	75%	77%	39%	57%	47%	71	36	74	58		
USA17236055	SYDGEN BLACK PEARL 2006 ^{PV}					+19	+5.4	+11.3	-7.6	+3.1	+51	+86	+120	+85	+22	+1.6	-3.7	+77	+8.8	+0.9	-0.9	+0.9	+2.0	+0.66	+1	-19	-17	-6	\$133	\$120	\$138	\$131	
USA15354674 USA16214508	HBR	0	9	31%	94	96%	85%	99%	99%	99%	99%	99%	98%	98%	98%	81%	96%	95%	95%	95%	93%	93%	85%	98%	95%	96%	93%	22	21	32	13		
NPGE55	TALOOBY EMPEROR E55 ^{SV}					+33	-1.2	-1.4	+1.3	+4.6	+33	+59	+86	+89	+5	+0.9	+1.8	+37	-0.5	-0.2	-1.4	-0.5	+0.9	-0.44	-1	+4	-4	+5	\$48	\$63	\$34	\$59	
UKI542697200402 NPGZ157	HBR	8	2	47%	49	73%	56%	93%	95%	89%	89%	91%	84%	71%	90%	55%	85%	83%	86%	83%	80%	81%	75%	74%	40%	40%	29%	99	99	99	99		
NPGG121	TALOOBY GALAXY G121 ^{SV}					+34	+1.6	+1.0	-4.0	+4.6	+36	+65	+90	+89	+14	+1.7	-5.6	+63	+0.6	+2.7	+0.8	-1.9	+0.8	+0.72	-7	+4	+17	-15	\$71	\$73	\$58	\$76	
NMMD1 NPGC14	HBR	0	4	27%	40	70%	55%	93%	94%	87%	88%	90%	82%	67%	86%	58%	87%	84%	88%	85%	81%	84%	80%	80%	71%	71%	67%	98	99	98	98		
NZE16883007	TANGIHOU 672 [#]					+39	-2.5	-2.7	-4.9	+5.6	+31	+52	+72	+80	+15	+1.3	-0.6	+20	+0.6	+0.4	+0.0	+1.0	-0.6	-0.16	-24	-18	+16	-31	\$38	\$61	\$9	\$53	
NZ12831003633 NZE16883104498	HBR	19	2	68%	21	79%	66%	96%	96%	94%	95%	95%	91%	93%	92%	66%	92%	90%	92%	90%	87%	89%	85%	83%	69%	73%	62%	99	99	99	99		
NZE16932011	TE MANIA 11 553 ^{SV}					+41	+0.0	+4.0	-2.8	+4.9	+37	+66	+84	+80	+13	+0.8	-3.7	+55	+10.6	+0.6	-1.2	+1.2	+2.8	+0.19	-4	-6	-22	-4	\$108	\$105	\$120	\$102	
BNAD145 NZE16932107204	HBR	0	5	39%	15	84%	72%	97%	97%	96%	96%	96%	95%	94%	95%	69%	92%	91%	92%	91%	89%	90%	84%	83%	78%	81%	75%	71	69	57	80		
VTMA149	TE MANIA ADA A149 ^{PV}					+31	-6.4	-4.0	-3.7	+6.4	+52	+95	+127	+168	+10	+1.9	+0.1	+75	+3.9	-4.0	-2.6	+1.7	+0.6	-1.10	+13	+13	-4	+16	\$84	\$90	\$83	\$88	
VTMX60 VTMU338	HBR	0	5	40%	58	96%	90%	99%	99%	98%	99%	98%	98%	98%	98%	86%	97%	96%	97%	96%	96%	95%	91%	96%	93%	94%	87%	94	94	91	94		
VTMD309	TE MANIA DEEGAN D309 ^{PV}					+36	+1.3	+4.6	-0.5	+4.9	+52	+85	+115	+59	+23	-0.4	-4.6	+62	+3.5	-1.2	+1.9	-1.1	+2.5	-0.40	-12	+6	+20	-15	\$120	\$109	\$122	\$120	
NGXZ3 VTMB112	HBR	0	1	28%	35	83%	75%	97%	96%	95%	95%	93%	93%	92%	78%	92%	90%	92%	91%	88%	90%	84%	94%	85%	85%	82%	47	57	54	36			
VTME25	TE MANIA EARL GREY E25 ^{SV}					+34	+12.5	+7.2	-9.1	+1.4	+35	+61	+86	+28	+32	-1.0	-5.2	+45	+11.4	+1.9	+2.5	+1.2	+0.4	+0.25	+20	-29	-27	-22	\$108	\$105	\$88	\$116	
VTMC46 VTMC587	HBR	16	2	61%	43	87%	78%	98%	97%	97%	97%	97%	96%	96%	92%	78%	95%	92%	94%	94%	90%	93%	85%	94%	91%	91%	85%	99	71	69	89	47	
VTMK52	TE MANIA KALIBROOK K52 ^{PV}					+32	+9.9	+7.0	-3.4	+1.4	+53	+108	+128	+86	+27	+2.1	-9.0	+73	+5.5	+1.9	+1.6	-2.0	+4.8	+1.59	+2	-7	-29	-11	\$168	\$143	\$201	\$150	
USA16295688 VTMH423	HBR	13	8	60%	51	71%	61%	93%	91%	86%	87%	86%	81%	72%	77%	55%	77%	77%	81%	78%	76%	77%	75%	82%	80%	79%	70%	1	1	1	1		
VTMK138	TE MANIA KIRBY K138 ^{PV}					+24	+2.4	+5.6	-2.0	+4.1	+54	+95	+121	+96	+25	+2.0	-7.6	+66	+4.6	+1.2	+2.6	-2.9	+6.1	+1.09	-6	+26	+13	+14	\$157	\$126	\$196	\$136	
USA16295688 VTMH17	HBR	19	8	61%	84	84%	67%	98%	98%	97%	97%	97%	89%	83%	96%	56%	81%	86%	86%	84%	80%	84%	83%	97%	95%	95%	90%	2	9	1	7		
VTML27	TE MANIA LACKEY L27 ^{SV}					+28	-3.1	+4.2	-9.9	+6.0	+63	+117	+162	+155	+24	+2.2	-6.5	+77	+4.4	-3.0	-2.1	+1.5	+2.3	-0.35	+33	-18	+3	-21	\$161	\$132	\$187	\$148	
VTMG67 VTMJ274	HBR	16	8	57%	74	73%	61%	94%	95%	92%	90%	90%	82%	71%	86%	55%	78%	78%	81%	79%	76%	78%	81%	86%	81%	84%	77%	1	3	1	1		
VTML64	TE MANIA LANCASTER L64 ^{PV}					+28	+6.6	+8.2	-10.1	+3.3	+54	+98	+132	+126	+14	+1.5	-7.0	+78	+3.6	+1.0	-0.8	-1.2	+3.9	-0.16	-7	+0	+21	-4	\$151	\$125	\$182	\$136	
VTMJ131 VTMJ1139	HBR	22	8	66%	72	80%	63%	98%	97%	96%	96%	94%	84%	73%	95%	54%	80%	84%	85%	83%	80%	83%	86%	93%	89%	88%	81%	4	11	2	7		
Breed Average EBVs						+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114	

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Ident	Name	Statistics																															
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert		Carcase				Feed		Tmp		Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN	GRS	
VTMM13	TE MANIA MAGNATE M13 ^{PV}					+29	+1.4	+9.1	-11.9	+4.3	+53	+95	+126	+93	+28	+2.4	-6.2	+70	+10.7	-1.0	-0.2	+1.2	+3.2	+0.55	+17	-28	-16	-26	\$157	\$134	\$179	\$145	
HIOH9 VTMK200	HBR	0	9	30% 69	77% 57	60% 5	98% 1	96% 50	93% 20	92% 21	88% 20	81% 59	71% 1	86% 26	49% 23	76% 3	80% 76	77% 43	75% 20	76% 10	63% 91	63% 16	91% 16	77% 98	76% 87	68% 99	2	2	3	2			
NZE16932009	TE MANIA QUANTUM 09 490 ^{SV}					+45	-6.7	-2.4	-5.2	+7.1	+52	+88	+115	+119	+2	+2.5	-6.1	+69	+2.3	-0.5	+2.6	-1.3	+2.6	+0.54	+16	+9	+27	+7	\$111	\$99	\$120	\$105	
NZE04379 NZE03158	HBR	8	2	52% 6	86% 93	77% 87	98% 36	98% 96	97% 26	97% 43	97% 44	94% 15	95% 99	96% 22	69% 25	91% 30	92% 95	90% 61	87% 2	89% 97	83% 24	90% 19	83% 21	90% 19	72% 21	78% 1	52% 14	65	83	57	75		
GMJF20	THE GLEN CAVALIER F020 F20					+38	+7.5	-1.3	-9.3	+4.2	+42	+72	+102	+87	+21	+1.7	-6.7	+57	+9.0	-2.3	-6.4	+4.6	-1.2	-0.11	+23	+4	-2	-1	\$104	\$107	\$94	\$107	
NLRC207 GMJC132	APR	11	2	49% 28	69% 15	56% 82	90% 3	92% 48	89% 80	88% 90	90% 76	82% 71	84% 13	82% 58	53% 16	86% 79	83% 8	87% 97	84% 99	81% 1	83% 99	79% 17	72% 7	46% 46	57% 61	45% 58	77	63	85	71			
USA18704096	THOMAS EDISON 6764 ^{PV}					+35	-1.5	+5.7	+0.6	+5.4	+67	+115	+146	+132	+12	+0.6	-2.0	+83	+9.7	-4.1	-6.7	+3.5	+2.3	-0.64	-3	-	-	-	\$149	\$141	\$172	\$140	
USA16933958 USA18048451	HBR	0	9	27% 39	66% 75	51% 23	93% 98	91% 76	86% 1	83% 1	81% 3	79% 5	76% 88	75% 94	41% 91	78% 4	73% 5	75% 99	69% 99	71% 1	72% 33	56% 1	71% 76	-	-	-	5	1	5	4			
VTTJ26	TIBOOBURRA IMPACT J26 ^{PV}					+41	-13.2	+3.0	-0.4	+6.8	+54	+92	+123	+152	+7	+2.1	-6.3	+82	+6.7	-3.2	-4.2	+2.0	+1.9	+0.13	-11	-9	+6	-7	\$109	\$99	\$128	\$99	
USA15885405 VTTD57	HBR	0	5	25% 16	69% 99	56% 48	94% 96	90% 94	86% 16	86% 27	87% 25	81% 1	71% 99	72% 38	58% 22	86% 4	84% 31	87% 99	84% 99	85% 5	84% 48	80% 45	81% 94	81% 94	68% 82	72% 39	64% 82	69	83	46	85		
DBLF4	TOPBOS AMBASSADOR F4 ^{PV}					+21	+0.6	-12.2	+0.2	+4.5	+51	+94	+125	+93	+29	+2.2	-5.0	+81	+6.9	-3.3	-4.6	+1.4	+4.6	-0.40	-28	+1	+22	+1	\$144	\$122	\$182	\$125	
BNAD145 BNAC115	HBR	6	3	50% 92	93% 62	82% 99	98% 98	98% 55	98% 29	98% 22	97% 20	97% 59	97% 1	97% 34	73% 44	94% 5	92% 28	93% 99	92% 99	90% 14	91% 1	84% 3	90% 99	90% 56	80% 2	81% 44	78% 44	8	16	2	24		
DBLL292	TOPBOS LEADING EDGE L292 ^{PV}					+26	+0.6	+4.9	-5.4	+6.9	+76	+132	+172	+159	+21	+2.1	-6.8	+90	+5.1	-0.6	-2.0	+0.8	+2.2	+0.34	+18	+11	-23	+11	\$168	\$144	\$190	\$157	
USA16295688 VSNF04	HBR	18	8	64% 78	73% 62	62% 30	96% 32	97% 95	96% 1	95% 1	93% 1	84% 14	74% 38	93% 15	57% 1	81% 60	82% 64	84% 88	82% 35	79% 36	81% 72	83% 13	94% 15	81% 95	81% 5	73% 5	1	1	1	1			
NZE12922011	TOTARANUI 238 ^{SV}					+43	-8.6	-4.1	-4.5	+3.8	+45	+78	+100	+90	+10	+1.1	-2.8	+59	+7.1	-1.0	-2.5	-0.8	+3.7	+0.77	+26	-10	+15	+17	\$92	\$89	\$108	\$86	
NZE04379 VLYB653	HBR	0	5	45% 10	83% 96	75% 93	96% 47	97% 38	95% 65	95% 77	95% 80	94% 65	93% 95	93% 84	72% 83	91% 69	90% 25	92% 76	90% 94	89% 93	89% 4	84% 98	83% 5	83% 84	83% 13	74% 1	89	94	72	95			
NZE12922008	TOTARANUI 825 [#]					+40	-16.0	+1.5	-4.9	+5.5	+42	+78	+108	+84	+15	+0.6	+0.0	+47	+2.1	+0.4	+1.9	+0.8	-0.6	-0.79	-17	-4	+12	+0	\$55	\$68	\$27	\$72	
NZE21180005913 NZE12922101127	HBR	9	2	46% 18	82% 99	70% 62	91% 41	95% 78	92% 80	92% 77	92% 63	89% 77	88% 67	91% 94	56% 98	88% 95	86% 96	89% 31	87% 5	84% 35	86% 91	81% 98	77% 1	77% 98	51% 72	62% 22	49% 50	99	99	99	99		
NDAH468	TRANGIE H468 ^{PV}					+39	+1.5	-3.9	-1.5	+3.6	+21	+45	+42	+50	+6	+0.8	-2.7	+16	+1.7	+5.9	+3.3	-0.8	+0.3	+0.44	+16	-27	+7	-23	\$35	\$67	\$7	\$49	
NDAE573 NDAD480	APR	0	5	35% 22	68% 56	55% 92	89% 90	89% 33	85% 99	85% 99	86% 99	81% 99	72% 99	63% 91	58% 84	83% 99	80% 97	85% 1	82% 1	81% 93	76% 97	74% 83	64% 19	64% 98	63% 37	58% 99	99	99	99	99			
NDAH508	TRANGIE H508 ^{PV}					+36	-9.3	-16.0	-3.8	+4.9	+17	+34	+29	+33	+3	+0.4	-2.6	+12	+9.6	+4.2	+0.0	+0.4	+0.5	+0.38	-11	-4	+2	+6	\$16	\$50	\$-10	\$29	
NDAE473 NDAD518	APR	0	5	40% 32	72% 97	61% 99	93% 60	92% 65	89% 99	89% 99	90% 99	86% 99	75% 99	65% 97	58% 85	87% 99	86% 5	89% 1	86% 37	87% 54	85% 95	82% 77	81% 94	66% 74	68% 52	58% 18	99	99	99	99			
ELYH1	TRIO DOCKLANDS H1 ^{PV}					+17	+10.6	+3.7	-9.2	+2.2	+44	+84	+112	+76	+26	+2.6	-8.0	+67	+0.2	+2.0	+4.6	-1.0	+1.1	-0.24	+4	+10	-11	-17	\$121	\$109	\$114	\$122	
QHED62 NKLD15	HBR	16	7	57% 98	73% 4	62% 41	91% 3	93% 10	90% 70	90% 58	90% 51	87% 87	84% 2	85% 19	59% 5	86% 38	84% 99	87% 5	84% 1	86% 95	83% 81	78% 9	81% 54	67% 20	67% 79	58% 95	45	57	65	31			
NZE17691009	TURIHAUA CRUMP E5 (ET) ^{SV}					+41	-3.7	-4.8	-6.2	+3.5	+31	+61	+87	+96	+16	+1.3	-9.5	+21	+2.9	+2.1	+1.0	-0.6	+0.0	+0.05	+21	-27	+8	-12	\$76	\$73	\$64	\$79	
NZE17691003Y167 NZE17691195Q263	HBR	0	5	30% 16	89% 84	79% 94	96% 21	98% 31	97% 99	97% 99	97% 95	97% 54	96% 51	97% 77	87% 1	97% 99	87% 91	94% 5	94% 14	94% 89	93% 99	92% 35	87% 9	79% 9	69% 98	71% 35	65% 90	97	99	97	98		
Breed Average EBVs						+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114	

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Sire Dam	Name	Statistics																												
		Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert	Carcase				Feed	Tmp	Structural			Selection Index				
						Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM	GRN
NZE17691009 NZE17691006B141 NZE17691106B48	TURIHAUA REX E297 # HBR	14	3	+41 58% 13	+5.4 86% 28	-3.4 74% 90	-5.2 95% 36	+4.1 98% 45	+30 96% 99	+53 97% 99	+78 95% 99	+79 95% 84	+13 94% 83	+1.0 96% 86	-2.5 71% 86	+23 93% 99	+1.5 92% 98	+1.5 93% 9	+1.2 92% 11	+0.5 89% 49	-0.6 91% 99	-0.23 87% 9	+6 80% 48	+6 65% 36	+28 69% 1	-10 66% 87	\$58 99	\$71 99	\$32 99	\$71 99
BNAD81 NAQA2 BNAX21	TUWHARETOA D81 SV APR	0	5	+25 39% 82	+3.5 83% 42	-6.1 75% 97	-7.5 94% 9	+4.5 97% 55	+41 96% 86	+76 96% 82	+106 95% 67	+87 92% 71	+12 95% 84	-0.9 70% 99	-0.5 92% 97	+84 90% 3	+10.4 90% 3	-2.8 92% 99	-8.1 90% 99	+1.8 89% 7	+2.4 90% 30	+0.76 85% 98	+21 83% 10	-13 72% 88	-2 75% 63	-1 69% 58	\$101 81	\$99 83	\$117 61	\$97 87
BNAD106 VTMA134 VLYY5	TUWHARETOA DIPLOMAT D106 HBR	13	2	+45 61% 7	-6.4 78% 92	-16.8 73% 99	-4.5 92% 47	+8.9 93% 99	+51 91% 28	+92 92% 28	+121 92% 30	+93 89% 58	+17 86% 43	+3.1 83% 8	-5.5 67% 35	+78 89% 8	+7.1 87% 25	-1.1 89% 79	-0.8 87% 61	+0.3 85% 59	+4.8 87% 1	+0.28 82% 65	-2 91% 75	+19 70% 3	+16 74% 12	+9 65% 8	\$137 16	\$113 42	\$173 4	\$118 42
NXTD154 USA9074 NXTB133	TWYNAM D154 SV APR	5	2	+38 42% 27	-9.3 72% 97	+5.6 63% 24	-0.7 92% 95	+5.7 93% 81	+49 90% 41	+92 90% 27	+118 90% 37	+112 83% 24	+14 81% 73	+2.4 89% 26	-7.3 63% 10	+70 84% 27	+13.2 83% 1	+1.4 86% 11	-2.1 83% 89	+2.5 80% 2	+1.3 82% 74	-0.45 76% 2	+8 77% 42	+4 37% 43	+5 48% 44	+1 36% 44	\$129 28	\$117 29	\$139 31	\$122 31
NXTF53 NURZ366 NXTD55	TWYNAM F53 SV APR	0	4	+40 29% 19	+6.5 71% 21	+6.6 59% 17	-7.4 93% 10	+3.0 94% 21	+44 91% 70	+76 92% 83	+116 92% 41	+110 84% 26	+17 82% 48	+2.1 89% 38	-6.7 60% 16	+61 86% 64	+6.7 85% 31	+1.4 88% 11	+0.1 85% 34	+0.5 81% 49	+2.3 84% 83	+0.74 78% 97	+9 76% 39	-7 64% 79	-16 66% 87	-1 58% 60	\$137 16	\$112 46	\$151 18	\$128 18
NXTJ122 NORC574 NXTC89	TWYNAM J122 PV APR	22	6	+33 62% 47	+0.5 72% 63	-0.9 63% 79	-4.3 91% 51	+5.3 92% 74	+49 89% 43	+86 87% 48	+124 88% 22	+105 82% 34	+17 76% 44	+1.2 78% 80	-5.9 64% 28	+84 83% 3	+5.7 81% 48	+2.2 85% 4	-1.4 82% 77	-0.5 81% 87	+2.6 82% 24	+0.02 80% 31	+1 79% 65	+16 68% 6	+4 69% 46	+10 63% 7	\$125 36	\$105 69	\$141 29	\$118 42
NXTL096 NXTH111 NXTJ078	TWYNAM L096 SV APR	13	8	+35 57% 38	+9.6 65% 6	+9.9 50% 3	-6.7 91% 16	+2.4 89% 12	+53 85% 19	+103 85% 7	+144 84% 3	+120 78% 14	+24 66% 4	+3.2 78% 7	-8.5 45% 3	+88 74% 2	+3.2 72% 88	-0.6 78% 64	-0.4 74% 49	-0.7 72% 91	+3.1 73% 12	-0.07 80% 21	-3 74% 76	-5 61% 75	+17 60% 8	+8 46% 13	\$164 1	\$131 4	\$190 1	\$149 1
NZE13615011 USA14675477 NZE13615101161	WAIRERE YNOT Y0491 SV HBR	0	4	+33 27% 46	+0.0 72% 66	+0.1 60% 73	-7.2 94% 11	+5.6 92% 80	+39 89% 91	+64 89% 98	+78 91% 98	+67 84% 94	+8 79% 98	+0.2 72% 98	-3.3 59% 76	+33 88% 99	+8.8 86% 9	-3.4 89% 99	-3.8 86% 99	+3.7 82% 1	+1.5 86% 65	-0.29 82% 6	-26 81% 99	+1 72% 60	+20 72% 5	+13 64% 3	\$101 81	\$110 53	\$106 74	\$98 86
NZE18954008 USA13880818 NZE18954106B16	WAITANGI D213 SV HBR	12	2	+42 52% 11	+10.8 90% 3	+1.7 78% 60	-3.9 96% 58	+3.1 98% 23	+45 97% 68	+83 97% 63	+97 97% 85	+108 95% 30	+0 96% 99	+3.2 71% 7	-2.7 93% 84	+55 92% 83	+6.0 93% 43	-0.3 93% 54	+0.0 92% 37	+2.3 90% 3	-0.5 91% 99	+0.41 85% 80	+9 76% 37	+7 50% 29	-1 56% 60	-7 45% 80	\$95 87	\$111 50	\$78 93	\$103 79
BSC116 USA17262374 BSCJ56	WAITARA 292 LIBERATOR L16 HBR	13	8	+41 58% 16	+6.5 67% 21	+4.6 52% 33	-4.1 93% 55	+2.7 89% 16	+48 86% 49	+96 86% 17	+125 83% 20	+78 78% 85	+30 69% 1	+2.6 76% 19	-4.6 43% 52	+65 76% 46	+8.9 74% 8	-1.5 79% 87	-2.3 76% 92	+1.9 73% 6	+1.1 75% 81	+0.49 72% 87	+14 83% 22	+8 76% 25	-1 73% 61	-1 66% 60	\$135 19	\$127 8	\$137 34	\$134 9
BSCF73 USA15688392 BSCZ66	WAITARA PIO FEDERAL F73 SV HBR	9	3	+33 58% 46	+5.6 86% 27	+6.5 71% 18	-4.8 98% 42	+1.6 98% 5	+56 97% 10	+104 97% 6	+134 97% 9	+81 95% 81	+25 94% 3	+2.5 96% 22	-3.7 69% 69	+86 94% 2	+4.8 92% 65	-0.1 93% 47	-0.6 92% 55	+0.4 89% 54	+1.6 92% 61	+0.42 87% 81	+3 96% 60	-29 89% 98	-39 89% 99	+3 84% 35	\$135 19	\$128 6	\$136 35	\$136 7
BSC61 USA16396499 BSCZ66	WAITARA TB KNOCKOUT K61 PV HBR	20	6	+31 65% 60	+6.3 73% 22	+5.1 64% 28	-4.9 91% 41	+3.4 90% 29	+60 87% 3	+112 87% 2	+143 88% 4	+117 82% 17	+18 77% 37	+1.1 82% 84	-6.7 61% 16	+86 85% 2	+3.5 84% 85	-2.3 87% 85	-1.8 84% 68	+0.1 84% 40	+2.1 83% 1	-1.00 79% 21	+15 83% 14	+12 77% 73	-8 76% 98	-21 71% 98	\$149 5	\$133 3	\$164 9	\$142 3
BSCM6 USA17513381 BSCK97	WAITARA THE CHAIRMAN M6 SV HBR	0	9	+38 26% 29	-1.4 67% 74	+0.9 52% 67	-3.6 93% 63	+5.8 92% 83	+61 88% 3	+105 87% 5	+136 83% 7	+122 78% 12	+22 69% 10	+2.9 80% 12	-5.3 45% 38	+77 76% 10	+8.2 74% 13	-0.1 78% 47	-0.4 75% 49	+1.5 73% 12	+1.4 73% 69	+0.21 60% 56	-16 86% 98	-24 78% 96	-1 77% 61	-32 72% 99	\$135 19	\$124 12	\$140 30	\$132 11
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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Ident	Name	Statistics																												
		Sire Dam	Reg.	Prog IMD	Cohort #	ImmuneDEX IMD	Calv-Ease		Birth		Growth			Maternal			Fert	Carcase				Feed	Tmp	Structural			Selection Index			
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	FA	FC	RA	ABI	DOM
NZEB11 NZE13780079544 NZE18938195405	WAITAWHETA B11 # HBR	14	3	+53 60% 2	+7.9 85% 13	-0.6 75% 77	-3.6 93% 63	+2.5 97% 13	+21 96% 99	+54 96% 99	+66 96% 99	+41 94% 99	+15 95% 64	+0.9 94% 89	-4.6 68% 52	+23 93% 99	-3.5 91% 99	+2.8 93% 2	+1.1 92% 13	-2.2 89% 99	+0.2 91% 98	+0.43 86% 82	+6 80% 47	-8 68% 81	+14 73% 15	-32 71% 99	\$48 99	\$66 99	\$24 99	\$60 99
NWPE236 NWPC109 NWPZ318	WATTLETOP ANDY E236 PV HBR	8	2	+26 52% 80	-20.4 72% 99	+2.8 62% 50	+0.4 93% 98	+10. 92% 99	+60 88% 4	+100 88% 10	+134 90% 9	+155 85% 1	+10 80% 95	+4.7 80% 1	-6.4 61% 20	+69 85% 31	-0.7 83% 99	-2.0 87% 94	-1.2 84% 72	+0.0 81% 72	+2.6 83% 24	-0.66 76% 1	-12 81% 95	+2 34% 55	+4 50% 45	-8 41% 84	\$94 88	\$82 98	\$113 66	\$84 96
NWPM34 USA17614813 NWPK21	WATTLETOP BIG SKY M34 SV HBR	5	8	+18 39% 96	-8.1 66% 96	+4.1 55% 38	-2.5 91% 80	+3.9 84% 40	+48 79% 51	+91 79% 33	+116 79% 42	+94 75% 57	+20 67% 21	+1.7 72% 58	-3.4 47% 74	+64 71% 51	+4.0 70% 78	-2.1 75% 95	-1.2 72% 72	+0.7 70% 40	+1.6 70% 61	+0.45 69% 83	+33 69% 1	+27 50% 1	+26 52% 1	+18 39% 1	\$101 81	\$101 79	\$102 78	\$101 82
NWPM51 USA17236055 NWPK36	WATTLETOP BLACK PEARL M51 HBR	5	8	+19 42% 95	-3.7 66% 84	+4.1 57% 38	-4.7 89% 44	+7.2 81% 97	+66 78% 1	+114 78% 1	+154 77% 1	+128 74% 8	+16 68% 59	+3.2 73% 7	-4.1 50% 62	+82 71% 4	+6.7 70% 31	-1.1 75% 79	-0.7 72% 58	+1.1 71% 23	+1.6 70% 61	-0.01 70% 27	+5 69% 52	+5 46% 41	-13 48% 83	+3 40% 35	\$144 8	\$126 9	\$153 16	\$141 3
NWPG188 USA15462648 NWPE295	WATTLETOP FRANKLIN G188 SV HBR	0	4	+33 25% 45	+6.4 89% 22	+12.8 74% 1	-4.7 99% 44	+2.2 98% 10	+63 98% 2	+113 98% 2	+144 93% 3	+106 93% 33	+20 92% 23	+3.1 97% 8	-4.9 63% 46	+79 92% 7	+3.5 91% 85	+0.0 92% 44	-0.1 90% 40	-0.8 87% 93	+1.6 89% 61	-0.86 84% 1	+22 95% 9	+14 86% 10	-7 87% 72	+6 80% 20	\$138 15	\$128 6	\$139 31	\$138 5
NWPJ3 USA16340278 NWPJ338	WATTLETOP JASPER J3 SV HBR	0	5	+33 29% 44	+7.0 76% 18	+3.8 61% 41	-8.4 96% 5	+3.4 94% 29	+45 91% 69	+74 91% 87	+99 85% 82	+64 79% 96	+16 86% 56	+1.2 86% 80	-4.1 55% 62	+69 86% 28	+7.9 86% 15	+0.1 84% 41	-0.3 84% 46	+1.0 84% 27	+1.5 83% 65	+0.73 78% 97	+8 84% 40	+19 70% 3	+5 71% 41	-1 60% 55	\$114 59	\$110 53	\$110 70	\$115 50
NWPL4 USA15738589 NWPJ70	WATTLETOP LOCK L4 SV HBR	13	7	+30 61% 65	-1.0 72% 72	-0.5 61% 77	-9.0 95% 3	+6.2 95% 89	+60 92% 4	+108 93% 3	+155 94% 1	+144 84% 2	+28 75% 1	+1.8 90% 53	-2.9 57% 82	+98 88% 1	+6.4 86% 36	+1.3 89% 12	+0.9 86% 16	-0.4 86% 85	+1.8 85% 52	+0.07 81% 37	-1 89% 72	+15 68% 7	+5 68% 43	+8 57% 11	\$131 25	\$109 57	\$138 32	\$130 14
NWPE111 USA14474596 NWPC36	WATTLETOP SITZ 458N E111 SV HBR	10	2	+24 55% 85	+3.0 86% 45	+7.1 74% 14	-5.0 97% 39	+2.6 97% 14	+46 95% 61	+84 96% 58	+110 96% 55	+89 93% 67	+27 94% 1	+1.7 94% 58	-0.9 72% 96	+72 91% 20	+5.6 90% 50	-2.9 92% 99	-2.9 91% 96	+1.3 88% 17	+3.2 89% 10	-0.54 84% 1	+21 91% 9	+7 50% 29	+10 58% 27	+0 48% 51	\$118 51	\$115 36	\$135 36	\$112 58
CWDJ17 BNAD145 CWDF14	WEATHERLY JAMES J17 SV HBR	26	6	+28 69% 70	-0.2 73% 67	-4.4 66% 93	-4.0 92% 56	+6.3 92% 90	+51 88% 30	+86 88% 51	+113 90% 49	+115 83% 19	+5 78% 99	+2.0 78% 43	-6.6 66% 18	+72 87% 21	+8.9 86% 8	+0.5 89% 29	+1.2 86% 11	+0.8 85% 35	+3.5 86% 6	-0.05 82% 23	-1 82% 72	-12 75% 86	-24 74% 96	-22 69% 99	\$145 8	\$123 14	\$170 6	\$130 14
VHWJ1 HIOE7 VHWC194	WEERAN JIMMY J1 PV HBR	0	5	+39 41% 24	+7.0 81% 18	+13.6 70% 1	-7.1 96% 12	+2.3 95% 11	+45 93% 64	+83 93% 62	+103 92% 73	+90 87% 65	+10 86% 94	-0.2 87% 99	-6.9 66% 14	+55 89% 82	+2.1 87% 96	-2.6 89% 98	+0.1 87% 34	+0.7 86% 40	+2.5 86% 26	-0.35 82% 4	-5 81% 82	-16 70% 90	-2 71% 63	-10 65% 87	\$135 19	\$126 9	\$150 19	\$127 20
VHWJ13 HIOE7 VHWE602	WEERAN JOEL J13 PV APR	21	6	+30 65% 65	+10.1 85% 5	+11.0 73% 1	-6.0 98% 24	+3.8 98% 38	+48 95% 50	+86 96% 51	+115 94% 43	+102 89% 42	+14 90% 77	+3.5 94% 4	-6.9 64% 14	+86 90% 2	+9.3 88% 6	+0.5 89% 29	-0.3 87% 46	+0.8 87% 35	+2.7 86% 21	+1.17 80% 99	+10 78% 34	-1 71% 63	+15 69% 13	+3 63% 32	\$149 5	\$129 5	\$167 7	\$138 5
Breed Average EBVs				+32.	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.7	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+1	+1	-1	+117	+110	+124	+114

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