

HEREFORD

GENOMIC BREEDING VALUE REPORT

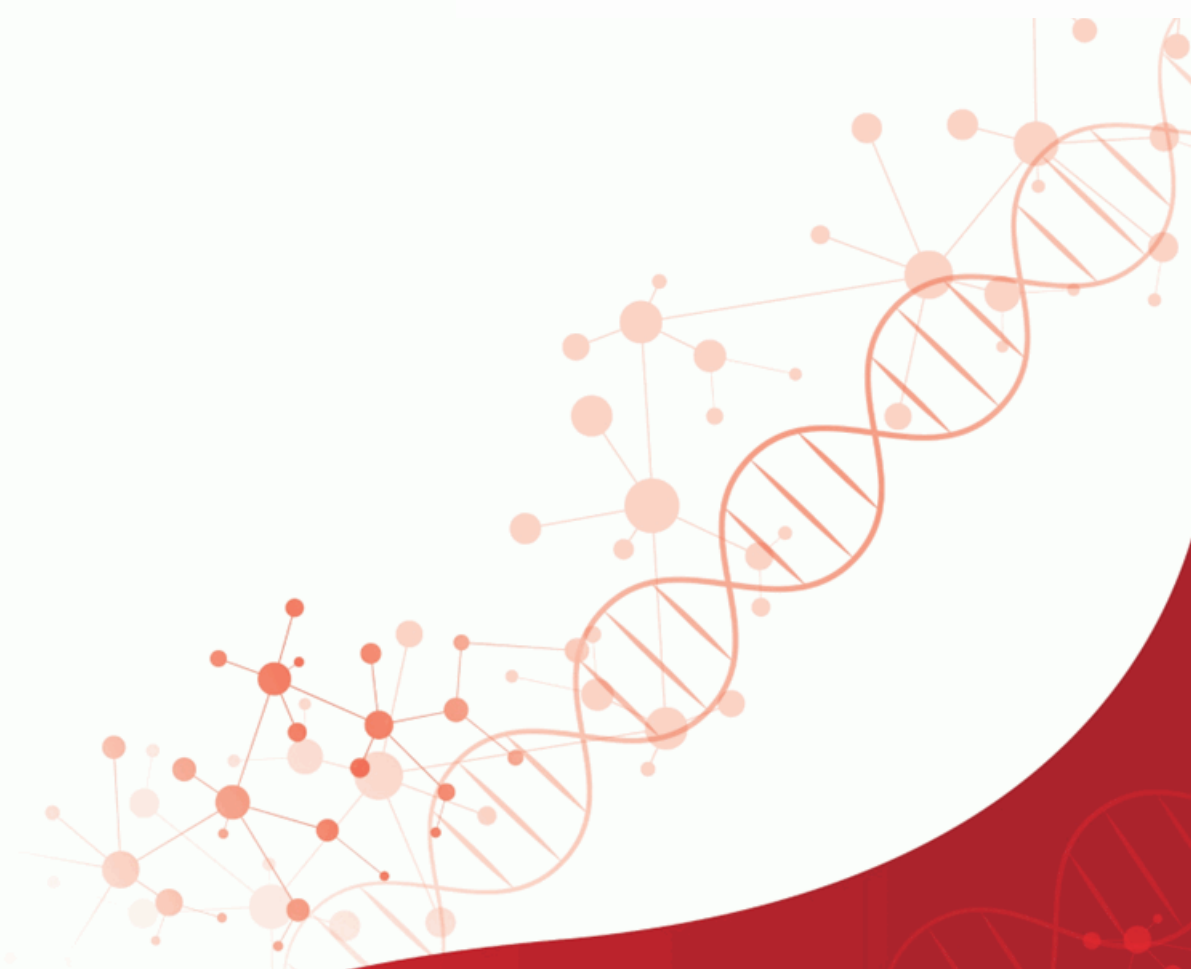
September 2026



TABLE HILL FARMING PTY LTD

Herd Number: 728612

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EBVs, EBVi's and GEBVs

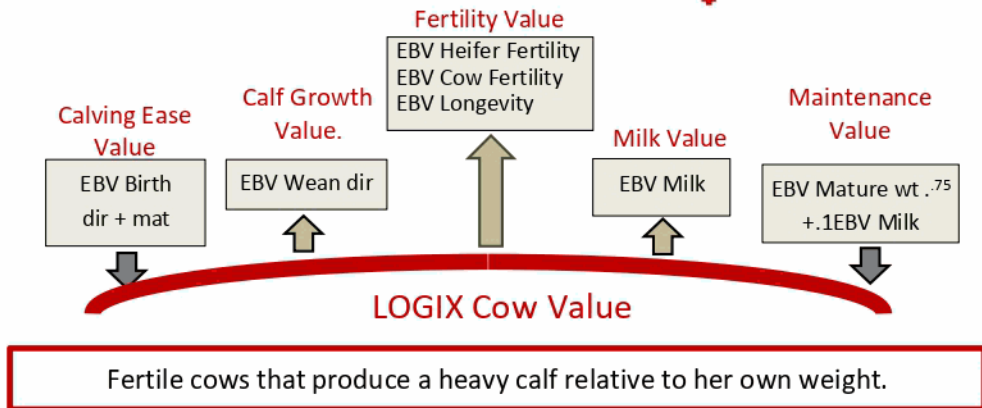
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

EBV (Breeding Value): Genetic potential relative to the average of the animals born in the base year (1990), expressed in the unit of measurement.

GEBV (Genomic Breeding Value) Interpreted like the EBVi. (GEBV = EBV + Genomic information)

LOGIX Selection values combine different breeding values in a logical way. For example, Heifer Fertility (how early a heifer starts calving), Cow Fertility (how regular she calves) and Longevity (retention within the family) are combined to form the Fertility Value.

LOGIX Cow Value



Selection Values

LOGIX Cow Value



Selecting for:

- fertile,
- low maintenance,
- easy calving cows
- with heavy weaners

LOGIX Growth Value



Select for efficient growers on veld and in feedlot, as measured in Phase C and D Growth Tests.

LOGIX Production Value



80% LOGIX Cow Value +
20% LOGIX Growth Value

LOGIX Carcass Value



Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

How to use the Cow Value

Selection values should be compatible with your selection goal.

AVERAGE ANIMALS

(NO GROWTH EXTREMES)

- Selection Values 90 to 110
 - Cow Value and Fertility Value average to high
- A safe choice, as animals are profitable in most environments.

GROWERS

(GOOD ENVIRONMENT)

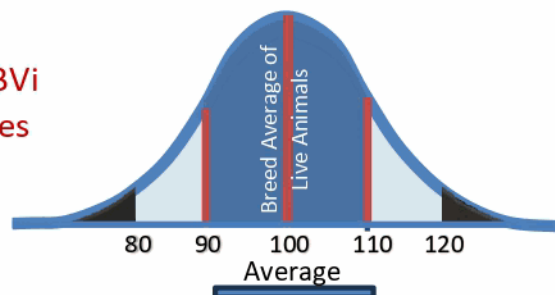
- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

LOW- MAINTENANCE ANIMALS

(HARSH ENVIRONMENT)

- Maintenance Value >110
 - Cow Value and Fertility Value average to high
- Lighter cows have a lower maintenance.

Interpretation of EBVi and Selection Values

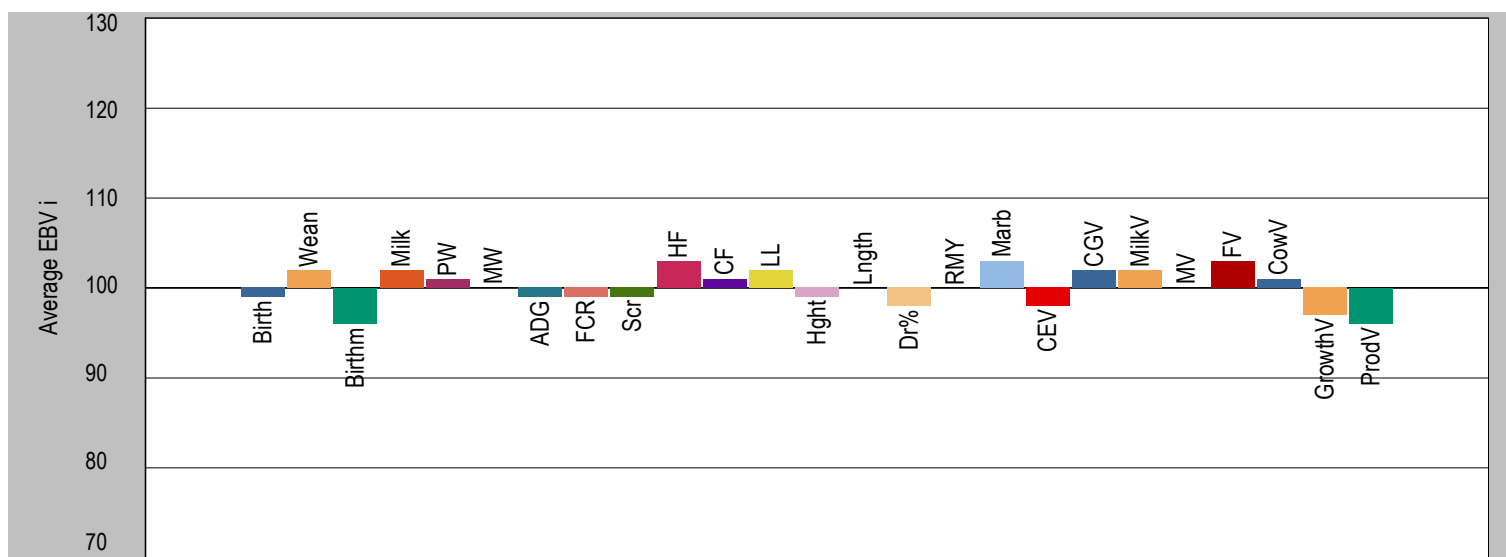


Examples

Type of Animal	Cow Value	Calving Ease V	Weaner Calf V	Milk Value	Maint. Value	Fertility Value
Average	Med-High	Avg	Avg	Avg	Avg	Med-High
Grower	Med-High		High			Med-High
Low Maintenance	Med-High				High	Med-High

	EBVi	Description / Measurement	Goal	Low Value	High Value
Selection Values	Calving Ease Value	Difficult calving due to high birth weight	Average birth weight	High	Low
	Calf Growth Value	Calf's genetic ability for prewean growth	Heavy weaner	Light	Heavy
	Milk Value	Cow's genetic mothering and milking ability	Enough milk for calf	Less	More
	Maintenance Value	Maintenance requirement of cow (weight and milk)	Low cow maintenance	High	Low
	Fertility Value	Fertility and retention of cows and heifers	Fertile cows	Low	High
	Cow Value	Combination of calving ease, calf growth, milk, maintenance and fertility values (Rand-value per Ha)	Profitable cows	Loss	Profit
	Weaner Calf Value	Heavier weaners and more milk, with lower birth and cow weights	Heavy weaner	Light	Heavy
	Growth Value	Efficient growth on veld and in feedlot (Rand-value per animal)	Profitable growth	Loss	Profit
	Production Value	Combination of Cow- and Growth Values (Rand-value)	Profitable animals	Loss	Profit
	Carcass Value	Meat on carcass (Weight and RTU EBVs)	Meat on carcass	Less	More
Birth	Cow weight - birth	Cow weight at birth of calves	Mature cow weight	Light	Heavy
	Birth weight direct	Birth weight (Calf's genetic ability)	Average birth weight	Heavy	Light
	Cow-Calf birth	EBV Birth dir / EBV Mature cow weight	Average	Low	High
Wean	Cow Weight wean	Cow weight at weaning of calves	Mature cow weight	Light	Heavy
	Weaning weight direct	Weaning weight (Calf's genetic ability)	Heavy weaners	Light	Heavy
	Weaning weight mat	Weaning weight (Dam's genetic ability)	Good mothers	Poor	Good
	Cow-Calf Wean	EBV Wean dir / EBV Mature cow weight	High cow-calf ratio	Low	High
Growth & Adaptation	Post-Wean weight	12- and 18mnth weights	Post-wean growth	Low	High
	Ave. Daily Gain	Average daily gain in growth test (Phase C and D)	Good growth	Poor	Good
	Veld Growth	ADG on veld (Phase B)	Good adaptation	Poor	Good
	Feed Conversion Ratio	100g feed intake /g weight gain	Feed Efficiency	Poor	Good
	Final Test Weight	Final weight in growth test (Phase C and D)	Heavy Carcasses	Light	Heavy
	Skin Thickness	Measured in growth tests	Thicker skin	Thin	Thick
Fertility	Scrotal Circumference	Scrotal circumference in growth test	Fertile bulls	Less	More
	Heifer Fertility	Age at first calving	Fertile heifers	Less	More
	Cow Fertility	First 3 inter-calving periods (ICPs)	Fertile cows	Less	More
	Longevity	Retention of progeny	Acceptable progeny	Poor	Good
Frame	Height	Shoulder / Hip height in growth test	Average height	Short	Tall
	Length	Length in growth test	Longer (more meat)	Short	Long
	Length:Height	EBV Length / EBV Height	Longer, not higher	Less desirable	More desirable
Carcass	Eye Muscle Area	RTU Eye muscle area	Muscle in carcass	Small	Big
	Fat	RTU P8 Backfat Thickness	Carcass quality & adaptability	Thin	Thick
	Marbling	RTU % Marbling	Juicy meat	Low	High
	Dressing%	Carcass weight / Live weight	High dressing %	Low	High

Herd and Breed Averages



Breeding Values:

Birth:	Birth weight	Scr:	Scrotal circumf.
Wean:	Weaning weight	HF:	Heifer Fertility
Birthm:	Birth maternal	CF:	Cow Fertility
Milk:	Milk	LL:	Longevity
PW:	Post-wean weight	Hght:	Height
MW:	Mature weight	Lnght:	Length
ADG:	Average Daily Gain	Dr%:	Dressing%
FCR:	Feed Conversion Ratio	RMY:	Red Meat Yield
		Marb:	Marbling

Selection Values:

CEV:	Calving Ease Value
CGV:	Calf Growth Value
MilkV:	Milk Value
MV:	Maintenance Value
FV:	Fertility Value
CowV:	Cow Value (CV)
GrowthV:	Growth Value (GV)
ProdV:	Production Value (PV)

	Trait	EBV Herd	EBV Index	EBV Breed
Prewrite Growth	Birth Weight	0.82	99	0.77
	Wean Weight	18.9	102	18.0
	Birth Mat.	0.71	96	0.57
	Milk (Wn.Mat.)	8.6	102	8.0
Postwean Growth	Postwean Wt	33.4	101	33.0
	Mature Weight	33	100	34
	ADG	128	99	133
	FCR	-74	99	-75
Fertility	Scrotal Circumf.	15.4	99	16.0
	Heifer Fertility	-7.8	103	-5.6
	Cow Fertility	-3.1	101	-2.9
	Longevity	36.9	102	36.2
Frame	Height	22	99	22
	Length	31	100	31
Carcass	Dressing%	0.07	98	0.10
	RedMeatYield	1.2	100	1.3
	Marbling	-0.15	103	-0.29

Selection Value	Ave. Herd
Calving Ease	98
Calf Growth	102
Milk	102
Maintenance	100
Fertility	103
Cow Value	101
Growth Value	97
Production Value	96

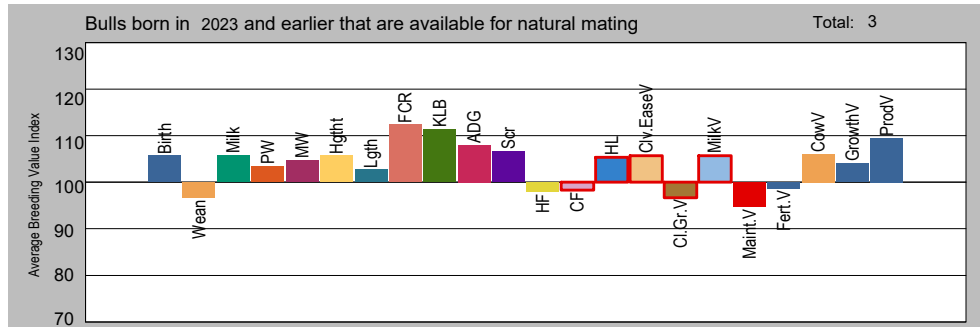
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

What does a sub-selection value above breed average (100) mean?:

Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve

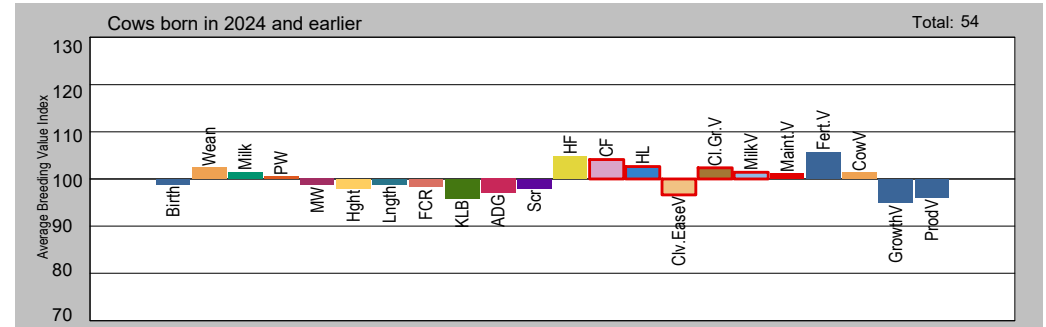
Genetic Windows

Bulls on the farm



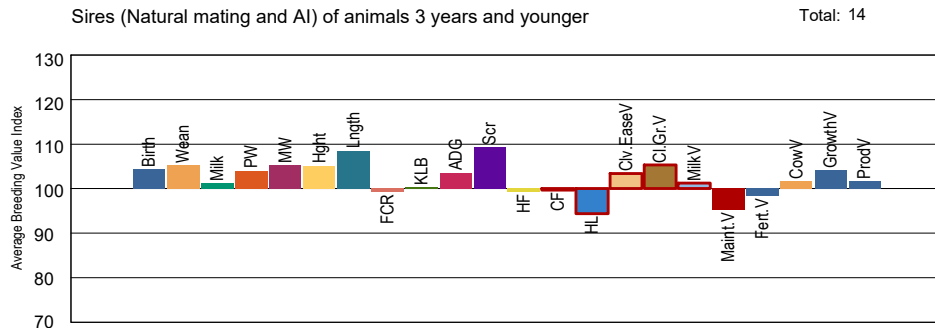
Animals available for breeding

Cow Herd

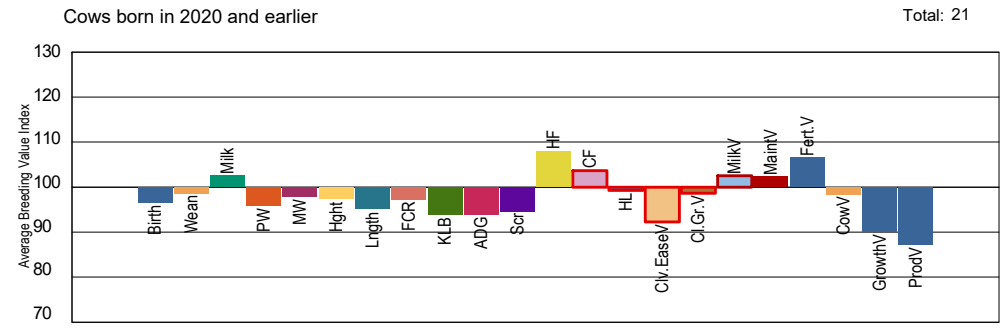


Results of previous selection decisions

Sires of young animals

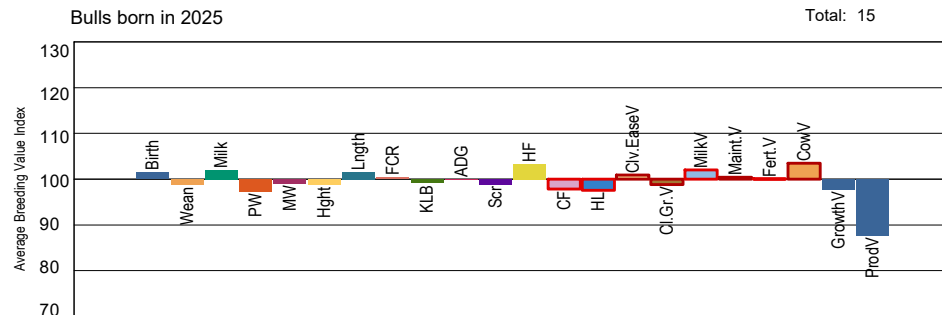


Cows older than 6 years

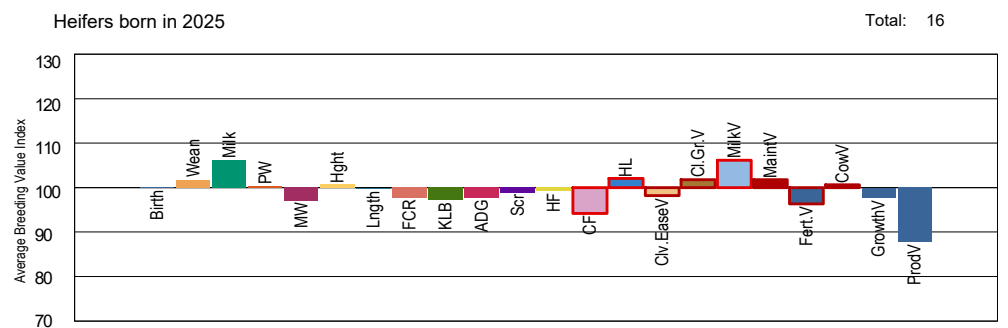


Selection possibilities

Bull calves



Heifer calves

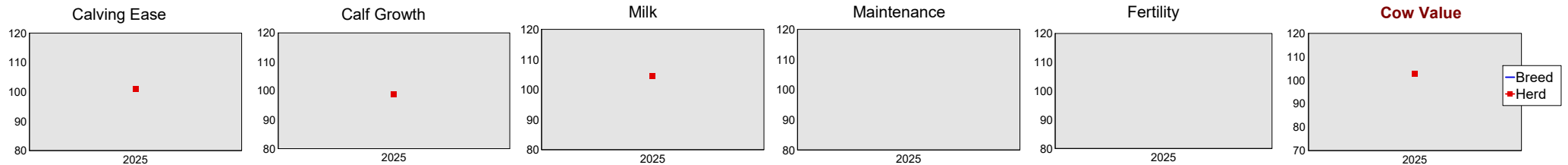


Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				Fertility				Frame	
Birth Year	No. Cows	Average Cow Value	Calving Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat)	Postwn Weight	Mature Weight	ADG	Kleiber	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
			Cows in Breed Average:								100	99	100	101	100	100	99	100	100	99	99	99	99	99
2015	1	★★★★☆	99	107	109	104	92	104			93	107	115	109	104	94	104	101	106	86	100	104	106	107
2016	4	★★★★☆	85	96	101	104	123	102	83	87	91	96	81	101	92	98	90	90	86	120	118	100	94	91
2017	4	★★★☆☆	85	104	93	98	87	84	94	83	87	104	94	93	102	104	94	94	101	92	89	91	101	97
2018	2	★★★★★	123	98	113	102	114	131			122	98	106	113	96	98	104	105	98	112	110	110	99	100
2019	4	★★★★	93	97	106	106	100	94	91	76	104	97	85	106	97	93	94	96	93	102	100	96	98	94
2020	6	★★★★	90	97	103	102	114	97	90	95	94	97	90	103	93	98	91	90	95	117	106	103	95	95
2021	5	★★★★☆	102	95	97	112	109	105	89	101	97	95	109	97	96	89	92	92	94	109	104	106	93	93
2022	7	★★★★☆	99	96	100	106	99	100	96	94	101	96	96	100	96	94	93	93	92	99	98	105	94	94
2023	10	★★★★☆	96	113	103	96	105	101	106	104	100	113	90	103	110	103	107	104	108	100	105	106	106	108
2024	11	★★★★☆	102	107	102	95	107	107	97	104	102	107	101	102	105	104	99	96	102	104	108	103	96	104
2025	16	★★★★☆	98	102	106	102	96	101	98	88	100	102	94	106	100	97	98	97	99	99	94	102	101	100
Cows in Herd Average:			97	101	103	102	104	102	94	92	99	101	96	103	99	97	97	96	98	104	103	102	98	98

Genetic Trends for On-Farm Traits

The graphs show the genetic gain of the herd relative to the breed. Only data of animals with measurements are included.



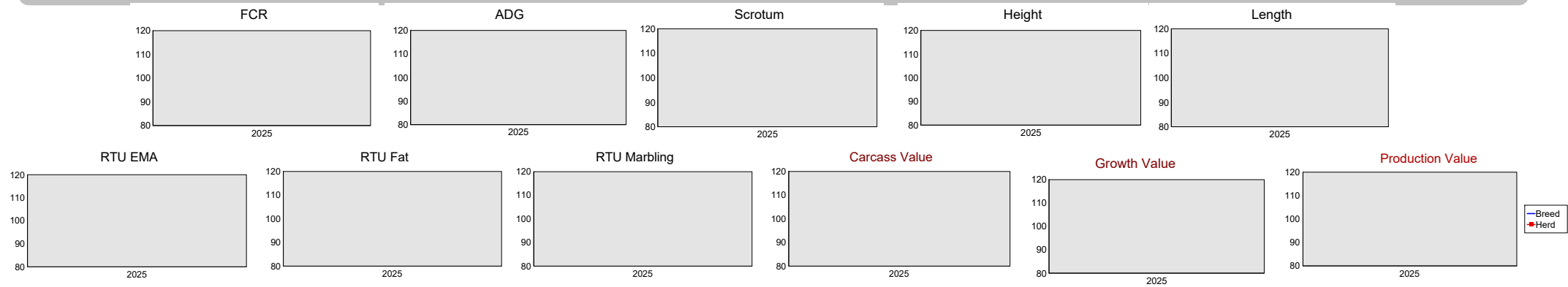
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility						Cow Value
	Birth Weight		Dir	Mat	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight	Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity		
	Number	EBV				Number	EBV		Number	EBV		Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	
2025	37	0.65	0.63	101	35	17.5	99	35	9.25	104												103	

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility								Cow Value
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity				
	Number	Dir EBV			Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV		
2016	1782	0.81	0.42	101	985	14.3	91	985	6.12	94	448	28.0	250	28	105	395	-6.4	304	-2.1	1860	26.0	94	92		
2017	1720	0.80	0.48	101	1155	14.8	93	1155	6.19	94	481	29.8	306	28	105	402	-5.9	313	-2.3	1792	27.4	95	93		
2018	1744	0.77	0.45	101	1213	14.9	93	1213	6.14	94	553	29.2	278	29	104	417	-5.9	305	-2.1	1865	28.9	96	93		
2019	1757	0.80	0.49	100	1239	15.7	95	1239	6.57	95	553	30.8	300	31	103	430	-5.3	325	-2.5	1826	30.2	96	95		
2020	1742	0.79	0.55	100	1243	16.6	97	1243	7.48	98	519	32.3	246	33	101	394	-5.9	302	-3.1	1839	30.8	99	98		
2021	1690	0.76	0.52	101	1171	16.2	96	1171	7.70	99	493	32.7	187	32	101	361	-5.2	246	-2.8	1674	31.0	98	98		
2022	1795	0.71	0.53	101	1271	17.0	98	1271	8.08	100	520	33.5	198	30	102	356	-6.3	129	-3.0	1136	31.4	100	100		
2023	1773	0.71	0.51	101	1235	17.7	99	1235	7.73	99	513	35.8	62	33	96	180	-6.4	37	-3.3			103	100		
2024	1801	0.76	0.51	101	1081	18.1	100	1081	7.58	99	560	34.6	8	43	99	44	-5.7					104	99		
2025	1633	0.80	0.54	100	854	18.9	102	854	7.90	100	177	38.9			97								100		
2026	626	0.82	0.62	99	56	21.7	109	56	10.03	107													100		

Genetic Trends for Growth Test Traits



Herd

Birth Year	Growth									Frame						Carcass						Selection Values			
	FCR			ADG			Scrotum			Height			Length			EMA		Fat		Marbling		Carcass Value	Growth Value	Prod Value	
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	RTU Number	EBV	EBVi	EBV	EBVi	EBV	EBVi			
2025																									

Breed

Birth Year	Growth									Frame						Carcass								Selection Values		
	FCR			ADG			Scrotum			Height			Length			RTU Number	EMA		Fat		Marbling		Cracss Value	Growth Value	Prod Value	
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		EBV	EBVi	EBV	EBVi						
2017	37	-71	97	180	110	94	177	13.5	95	177	20	96	177	25	95	132	0.25	97	-0.71	93	-0.25	101	95	94	92	
2018	97	-70	97	261	120	96	261	14.3	97	261	21	97	261	28	97	213	0.34	98	-0.63	94	-0.48	96	96	97	94	
2019	59	-76	101	260	127	98	220	15.4	99	260	21	98	260	29	98	242	0.51	100	-0.63	94	-0.55	94	98	98	96	
2020	45	-80	104	259	137	101	220	16.2	101	259	23	101	259	32	102	258	0.73	103	-0.44	96	-0.33	99	101	101	100	
2021	49	-89	111	219	141	102	224	16.9	102	224	23	101	224	33	102	209	0.89	105	-0.36	97	-0.18	102	102	102	100	
2022	56	-77	102	205	149	104	206	18.2	104	206	25	105	206	36	105	177	0.90	105	-0.33	97	-0.27	100	104	105	101	
2023	8	-91	112	231	172	110	232	19.6	107	232	27	108	232	38	108	204	1.20	109	-0.14	99	-0.10	104	109	110	103	
2024	3	-86	109	132	155	106	135	18.6	105	141	25	104	141	35	104	124	0.91	105	0.04	101	-0.32	99	106	105	101	
2025				105	175	111	112	21.7	111	120	27	108	120	40	110	111	1.18	109	0.19	102	-0.29	100	112	111	99	
2026																										

Sires

Bull				Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID Dam ID	Name	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	FCR	Scrotal	Heifer	Cow	Long-evi	Height	Length	EMA	Fat	Marbling	Birth	Wean
				Ease Value	Grwth Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight						Fertility	Fertility	ty						Grwth Test
014HH00108	743 B2029	RST TIMES A WASTIN 0124		114	84	89	107	116	109			116	84	96	89	73	93	90	91	90	120	116	74	78	89	100	84	80	10	10
			72	74	60	37	43	56	-0.44	11.3	0.72	4.7	15.7	26	96	-64	10.8	-19.3	-5.3	24.7	9	20	0.54	-1.59	-1.25					
									79	74	56	60	30	37	14	10	15	44	19	67	15	15	13	12	11			3	15	
156J	P43722088 202C	NJW 202C 173D STEADFAST 156J E		118	103	116	110	81	117			114	103	109	116	89	88	103	95	114	86	91	73	99	103	119	105	101	6	5
			54	62	23	15	20	36	-0.28	19.1	0.19	12.7	25.6	21	144	-68	22.8	4.2	-1.5	24.4	22	34	1.90	0.48	-0.21					
									70	62	20	23	18	15	21	14	22	16	8	37	23	22	19	18	18					
174E	TH 403A475A358 C	TH FRONTIER 174E ET		99	114	113	92	102	106	110	108	107	114	81	113	112	107	106	96	117	109	93	107	110	116	93	124	110	48	42
			87	91	74	61	53	73	64	71	0.23	23.7	1.34	11.6	40.9	41	156	-70	24.7	-11.5	-1.8	39.2	28	46	0.02	2.35	0.20	12	8	21
									94	91	72	74	74	61	75	47	76	62	27	71	82	80	77	73	71					
183F	Z303 57B	TH MASTERPLAN 183F		103	100	86	102	74	84	116	87	108	100	89	86	94	99	108	108	117	72	87	90	100	98	111	93	92	34	24
			90	91	83	82	68	82	84	82	0.21	17.8	1.00	4.0	29.3	32	165	-86	24.7	13.6	-0.9	31.9	23	29	1.36	-0.76	-0.67	7	3	3
											93	91	83	83	74	82	85	81	86	37	81	85	87	86	85	84	84			
44U	4037 98S	NJW 98S DURANGO 44U		119	87	120	120	102	126			142	87	85	120	76	79	91	91	92	114	99	71	80	92	82	103	113	20	20
			75	82	53	27	42	55	-2.34	12.4	1.18	13.9	17.4	12	100	-64	11.9	-15.4	-2.8	23.1	10	23	-0.86	0.23	0.33					
									86	82	50	53	52	27	10	7	11	47	13	66	11	11	9	9	8			2	8	
6153	6964R 91H 100W	BOYD 31Z BLUEPRINT 6153		117	106	94	133	79	113	102	113	112	106	113	94	102	71	101	94	106	73	93	99	105	107	103	104	83	34	21
			86	87	68	48	52	67	42	62	-0.14	20.5	0.03	6.1	34.1	3	137	-68	18.9	13.2	-1.8	35.6	25	37	0.72	0.30	-1.11	2	9	15
									92	87	72	68	55	48	37	40	45	62	27	66	47	44	40	35	34					
652D	6964R 4138B	MCM 6964 BOLT 652D		108	129	92	74	117	107	120	110	105	129	110	92	125	130	109	84	130	97	135	87	101	127	114	110	110	34	29
			93	94	89	86	80	86	86	86	0.43	30.2	0.16	5.6	49.0	64	165	-54	30.8	-3.3	-8.3	30.6	23	57	1.56	0.94	0.20	1	9	16
											95	94	89	89	82	86	86	84	87	64	85	90	87	87	86	86	86			
81E	43092364 160B	NJW 160B 028X HISTORIC 81E-ET		112	83	113	115	85	103	85	101	117	83	91	113	83	83	91	94	90	98	77	98	96	96	84	107	90	49	26
			81	85	46	32	47	58	29	52	-0.46	10.7	0.95	11.8	22.3	16	100	-67	11.1	-4.5	0.7	35.5	20	27	-0.66	0.62	-0.78	1		
											94	85	52	46	39	32	41	12	47	51	23	67	48	46	42	39	38			
BH 120028	PJB 080032 PJB 090043	ZODIAC 12 28		82	112	128	94	87	88	113	91	90	112	81	128	114	103	113	109	108	92	90	87	120	116	108	105	107	48	41
			89	92	76	37	62	69	20	59	1.49	22.9	1.32	16.0	41.9	37	181	-86	20.1	-0.4	-1.3	30.4	35	46	1.11	0.46	0.03			
											95	92	75	76	87	37	27	10	29	68	36	82	30	29	25	24	23			8
BH 220019	BH 120028 BH 190044	BH 220019		96	109	114	102	90	100			101	109	90	114	109	96	103	102	102	97	84	108	107	106	97	106	102	15	15
			76	85	55	29	43	57	0.67	22.0	0.99	11.9	38.8	30	146	-78	16.7	-3.7	-0.5	39.6	27	36	0.26	0.57	-0.18					
											88	85	51	55	66	29	19	12	21	46	25	57	21	20	18	16	16			
C02941567	CC199S C02865769	TLELL 199S XPLOSIVE 18X		113	111	106	100	97	112			102	111	128	106	111	99	112	112	108	69	123	107	100	105	108	108	108	18	18
			82	84	76	42	46	65	0.65	22.4	-0.56	9.7	40.4	33	177	-91	20.1	15.6	-6.4	39.3	23	36	1.10	0.74	0.12					
											87	84	72	76	37	42	6	5	7	45	22	71	7	7	6	5	5			7

Sires

Bull			Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.	
			Name																										
HVR 210015		SLM 140006 HVR 150010 OSHKOSH 115	122	75	110	118	119	120	84	117	125	75	96	110	78	81	87	96	109	129	108	85	102	96	89	143	133	45	19
			84	87	64	49	50	66	46	62	-1.07	7.6	0.73	10.9	19.1	15	85	-71	20.3	-25.3	-4.1	29.6	24	27	-0.32	4.16	1.30	6	1
											94	87	62	64	61	49	75	11	82	56	31	64	83	81	51	48	48		
KC 170001		KC 140021 WDW 140044 MARKSMAN 701	97	98	101	97	98	102	101	102	102	98	88	101	100	103	104	111	94	103	101	78	105	100	97	96	99	18	18
			79	86	67	45	45	64	24	56	0.59	17.0	1.05	8.4	33.2	36	148	-89	13.0	-8.0	-3.1	26.4	26	31	0.28	-0.39	-0.35		
											87	86	62	67	52	45	26	20	28	43	26	67	27	27	23	22	22	3	8
KC 200006		652D KC 160020 BOLTER 006	92	116	94	87	101	94	106	95	96	116	91	94	118	114	102	100	98	96	108	92	105	106	108	100	104	40	35
			81	91	61	43	44	64	24	56	1.05	24.8	0.92	6.3	44.4	48	141	-75	14.9	-2.8	-4.2	32.5	25	37	1.08	-0.08	-0.09	1	1
											94	91	54	61	55	43	32	13	36	44	25	62	36	35	33	30	29		
KC 220003		KC 200006 KC 180014 BOLTED 203	97	130	95	79	103	97			95	130	106	95	129	124	123	118	115	89	112	108	121	124	125	103	111	4	3
			71	76	50	31	31	52			1.13	30.6	0.34	6.4	51.6	58	218	-99	23.3	1.7	-4.8	39.7	35	54	2.40	0.21	0.27		
											82	76	46	50	42	31	18	9	20	29	17	47	20	20	18	17	16		
KJA 210024		BR234F KJA 150034 OELOFSE	109	90	91	105	91	99	98	99	104	90	113	91	86	95	91	77	100	103	90	76	105	109	67	128	77	3	3
			67	73	46	22	34	48	38	46	0.48	13.6	0.04	5.4	23.9	28	101	-46	15.7	-7.5	-1.3	25.7	26	39	-1.94	2.67	-1.38		
											79	73	42	46	37	22	60	6	70	37	15	49	72	68	61	53	52		
SLM 130041		47R SLM 030014 STANMORE 1341	90	97	99	96	82	87	94	86	92	97	95	99	96	103	96	96	94	87	88	82	95	100	97	89	74	264	206
			98	98	94	87	83	90	58	84	1.34	16.5	0.79	7.8	30.4	37	119	-69	13.2	3.1	-1.0	28.2	19	31	0.27	-1.16	-1.56	52	67
											99	98	95	94	83	87	92	21	94	91	64	95	95	94	85	82	81		143
WDW 100067		WDW 070079 WDW 040079 SIDE BET	106	95	72	115	118	104	95	103	100	95	115	72	92	87	94	99	79	120	119	77	99	90	99	91	139	63	57
			93	94	90	75	72	83	52	77	0.75	15.7	-0.04	-0.1	27.9	20	111	-74	5.4	-19.1	-5.9	26.0	22	21	0.43	-0.94	1.57	19	88
											96	94	88	90	78	75	60	42	63	78	51	88	63	62	57	55	54		
WDW 130120		BMH 090075 WDW 100062 KEYPAD	78	114	79	100	69	62	113	65	71	114	101	79	113	101	111	115	121	86	72	68	120	109	114	88	106	73	69
			92	95	85	70	67	80	42	72	2.94	23.8	0.54	1.8	41.1	35	176	-94	26.4	3.9	1.3	22.1	35	39	1.57	-1.25	0.01	18	44
											96	95	82	85	74	70	48	34	51	68	46	86	51	50	43	41	40		
WDW 170016		BMH 140075 WDW 080029 Locheim Heimat	102	77	97	144	79	93	78	89	104	77	96	97	70	66	86	107	87	100	74	73	81	76	87	102	89	21	19
			82	86	68	56	52	68	34	61	0.44	8.4	0.75	7.1	13.5	-1	81	-84	9.3	-5.3	1.0	24.2	11	8	-0.49	0.16	-0.80	2	5
											90	86	64	68	57	56	42	23	46	55	31	71	46	45	40	38	37		
WDW 170039		BMH 140075 WDW 130014 Nutcracker	78	78	109	116	114	87	84	85	82	78	93	109	78	83	83	85	82	129	101	82	83	86	86	100	75	60	57
			88	94	77	61	58	75	36	67	2.13	8.7	0.84	10.7	19.1	16	69	-57	6.8	-25.6	-3.0	28.4	12	17	-0.57	0.00	-1.49	10	17
											95	94	73	77	66	61	43	25	46	67	32	76	47	46	42	39	39		
WDW 170106		42539056 WDW 140151 REALOAD	111	87	92	82	104	103	96	102	110	87	104	92	88	120	99	89	100	104	109	80	103	116	115	83	81	22	13
			83	84	64	53	50	66	48	62	0.03	12.6	0.40	5.7	25.4	54	129	-61	15.9	-8.5	-4.3	27.5	24	46	1.61	-1.72	-1.21	3	1
											91	84	65	64	54	53	55	34	62	48	31	72	64	61	55	50	48		

Sires

Bull				Selection Values								Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny	
ID	Index EBV Acc	Sire ID	Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean. Dgt/Calvs.
	Name																													
WDW 190009		P43384585	 WDW 160137	84	121	97	92	104	89	106	90	83	121	102	97	114	109	104	98	97	113	90	113	88	106	107	90	87	137	96
				89	95	50	34	53	64	55	62	2.02	26.6	0.49	7.0	41.7	43	147	-72	14.5	-14.5	-1.4	41.8	15	37	1.04	-1.04	-0.89	24	
WDW 190063		5051	 WDW 120119	90	94	92	87	93	88	102	89	89	94	104	92	100	115	102	99	113	101	93	84	109	96	93	73	88	52	41
				85	92	63	46	53	67	70	68	1.57	15.5	0.42	5.7	32.8	49	142	-75	22.7	-6.4	-1.9	28.9	28	27	0.01	-2.70	-0.84	7	3
WDW 200023		652D	 WDW 170137	108	122	103	82	113	113	119	116	109	122	99	103	125	120	116	115	131	93	124	111	130	129	120	107	109	163	42
				85	91	50	41	48	63	46	60	0.08	27.4	0.60	8.7	49.3	54	194	-94	31.5	-0.8	-6.7	41.1	41	59	1.98	0.67	0.15	7	
WDW 200198		WDW 170106	 WDW 180080	110	89	101	87	103	108	99	107	108	89	105	101	95	113	106	106	99	106	103	89	100	108	105	96	86	17	14
				76	80	46	35	38	55	29	50	0.14	13.3	0.36	8.1	29.7	47	154	-83	15.3	-9.5	-3.3	31.1	22	38	0.90	-0.44	-0.97		

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Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID		Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																														
WDW 200198 91432336 reload	1	WDW 170106 WDW 180080		110 76	89 80	101 46	87 35	103 38	108 55	99 29	107 50	104 32	108 0.14 89	105 0.36 47	113 47 35	89 13.3 80	101 8.1 46	87 76 54	95 29.7 44	106 154 34	106 -83 21	99 15.3 37	106 -9.5 38	103 -3.3 21	89 31.1 56	100 22 38	108 38 37	105 0.90 33	96 -0.44 30	86 -0.97 30
BH 220019 94536745 BH 220019	5	BH 120028 BH 190044		96 76	109 85	114 55	102 29	90 43	100 57			105 17	101 0.67 88	90 0.99 51	96 30 29	109 22.0 85	114 11.9 55	121 151 56	109 38.8 66	103 146 19	102 -78 12	102 16.7 21	97 -3.7 46	84 -0.5 25	108 39.6 57	107 27 21	106 36 20	97 0.26 18	106 0.57 16	102 -0.18 16
WDW 230024 95361747 SAMUEL	1	WDW 200023 WDW 190141		111 86	92 84	102 82	95 80	103 67	110 78	109 80	112 78	105 81	108 0.20 88	109 0.21 82	105 39 80	92 14.8 84	102 8.6 82	94 92 82	106 36.5 55	115 188 81	129 -112 80	119 25.5 81	91 0.5 38	108 -4.1 80	119 44.4 82	110 29 81	94 25 81	92 -0.12 81	97 -0.32 81	86 -0.97 80
KC 240005 97710107 CATCH MY DRIFT 405	1	WDW 190009 KC 200012		76 69	108 73	110 53	92 32	116 36	95 52	105 29	97 47	110 42	80 2.26 78	90 0.96 48	107 41 32	108 21.5 73	110 10.7 53	111 130 53	104 35.9 52	104 149 43	100 -76 13	102 16.8 45	119 -19.0 42	105 -3.6 18	110 40.8 47	96 20 46	108 39 45	104 0.83 43	98 -0.22 41	96 -0.47 38
KC 240006 97710115 CATALYST 406		WDW 190009 KC 200016		97 86	118 87	97 83	96 82	101 69	98 80	104 82	99 80	119 82	98 0.89 88	99 0.62 83	104 38 82	118 25.3 87	97 7.1 83	109 125 84	109 39.1 70	107 160 82	117 -97 81	107 19.3 83	95 -2.2 42	104 -3.5 81	106 39.0 84	112 30 83	111 41 83	110 1.28 82	120 1.96 82	115 0.44 82
KC 240008 97650196 BOLT ACTION 408		652D KC 190005		90 86	100 86	104 82	100 80	92 67	94 79	112 80	96 79	106 80	91 1.44 88	99 0.59 82	99 33 80	100 18.0 86	104 9.2 82	104 114 83	108 37.9 70	108 162 80	102 -78 79	102 17.0 80	108 -11.0 40	78 0.5 79	104 37.8 82	102 24 80	106 37 80	94 0.04 80	82 -1.81 80	97 -0.45 80
KC 240009 97650204 BOLD DECISION 409	2	KC 220003 KC 210030		80 65	111 70	99 44	92 28	108 29	91 47			106 16	78 2.39 76	105 0.36 40	108 42 28	111 22.7 70	99 7.5 44	104 114 47	113 41.5 40	103 146 17	105 -81 9	100 15.9 18	110 -12.2 32	102 -3.1 15	107 39.3 40	103 24 18	105 36 18	107 1.02 16	104 0.36 15	101 -0.26 14
KC 240012 97650220 BOLD STATEMENT 412	1	KC 220003 KC 210019		88 62	109 67	96 41	94 26	104 28	93 45			107 16	86 1.77 73	105 0.39 37	106 40 26	109 21.7 67	96 6.9 41	101 107 45	106 37.1 40	105 152 17	104 -80 11	100 15.9 19	106 -9.6 31	101 -3.0 14	102 37.3 40	104 25 19	107 38 19	106 0.94 17	102 0.16 16	101 -0.26 16
KC 240022 97650303 BULLETIN BOARD 422		652D KC 150014		109 70	107 73	105 56	92 39	120 38	117 55	99 20	117 48	106 28	107 0.28 78	108 0.23 54	107 41 39	107 21.1 73	105 9.3 56	108 122 56	110 39.3 48	98 127 29	90 -63 7	107 19.4 33	101 -6.5 43	132 -7.8 22	101 36.6 50	91 17 33	106 36 32	99 0.41 30	113 1.28 27	110 0.19 27
KC 240024 97694475 WARLORD 424		652D KC 170023		112 70	103 73	97 55	91 40	97 39	108 55	102 22	108 48	103 30	109 0.08 78	108 0.23 53	109 43 40	103 19.0 73	97 7.0 55	97 98 56	101 33.5 50	96 117 31	86 -58 11	110 20.7 35	94 -1.5 43	103 -3.4 23	95 33.9 50	95 19 35	105 35 34	99 0.45 31	107 0.61 29	101 -0.23 28
KC 240026 97694491 BOLD TEXT 426	1	KC 200006 KC 160014		79 67	123 73	103 51	75 34	113 33	94 52			121 16	86 1.80 77	83 1.25 46	127 62 34	123 27.7 73	103 8.9 51	108 123 53	116 43.4 40	117 196 19	111 -90 8	116 24.2 21	105 -9.3 34	117 -5.5 20	100 36.1 46	117 33 20	123 53 19	116 1.73 17	106 0.59 16	121 0.71 16
KC 240031 97756134 FULLY LOADED 431	1	WDW 200198 KC 130026		119 84	84 85	88 80	107 79	77 65	91 77	81 78	89 77	93 78	114 -0.28 86	113 0.04 80	93 26 79	84 11.1 85	88 4.4 80	80 60 81	84 22.5 66	89 91 78	90 -62 77	88 9.8 78	85 4.9 36	83 -0.3 77	81 27.9 81	91 17 78	98 29 78	92 -0.11 78	110 0.94 78	101 -0.22 78

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Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name				Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
KC 240034 97803571 BOLD RULER 434	7	KC 200006 KC 130014		108 68	113 73	92 54	94 37	114 37	109 54			106 22	107 0.24 77	103 0.45 50	106 40 37	113 23.4 73	92 5.5 54	100 105 55	114 41.7 44	104 146 23	102 -78 13	94 12.9 25	109 -11.6 38	115 -5.1 23	101 36.8 49	105 25 25	107 37 25	110 1.29 22	96 -0.44 21	112 0.30 20
KC 240041 97898407 BOULDER 441	4	KC 200006 KC 200034		92 65	106 69	97 45	98 32	106 32	97 49			102 20	95 1.17 75	94 0.81 42	102 36 32	106 20.6 69	97 7.1 45	101 108 49	103 34.8 42	99 130 21	99 -74 11	96 14.1 23	107 -10.4 35	105 -3.7 17	94 33.5 44	101 23 23	103 34 23	104 0.78 21	100 -0.05 19	105 -0.03 19
KC 250001 6020109721 STEADY HAND 501		156J KC 210017		102 61	93 68	105 35	117 24	101 26	116 44			99 16	101 0.73 74	105 0.35 33	83 16 24	93 15.2 68	105 9.5 35	94 90 42	88 25.5 26	99 129 17	96 -70 11	103 17.5 19	110 -12.5 30	98 -2.6 12	80 27.5 35	98 21 19	100 31 19	94 0.06 16	108 0.79 15	100 -0.29 15
KC 250005 99586943 CATALYST 505		WDW 190009 KC 150014		89 70	129 74	99 56	88 31	113 37	99 53	114 28	101 48	125 41	89 1.55 78	100 0.58 53	113 47 31	129 30.0 74	99 7.7 56	115 138 54	123 47.8 45	117 196 42	113 -92 12	110 21.1 45	102 -6.7 43	117 -5.5 20	110 40.9 48	107 45 44	119 50 44	118 1.84 42	106 0.50 40	107 0.06 37
KC 250013 99847949 JUSTICE 513	1	BH 220019 KC 160024		91 68	94 72	98 50	108 33	112 35	103 51			86 16	93 1.27 77	96 0.71 47	92 25 33	94 15.7 72	98 7.4 50	98 100 52	94 29.1 42	88 87 19	93 -67 13	81 6.7 20	116 -16.4 38	103 -3.3 23	107 39.1 45	97 21 20	88 19 20	86 -0.55 17	99 -0.10 16	112 0.28 16
KC 250015 99584666 CATCHPHRASE 515	1	WDW 190009 KC 200021		78 69	100 73	104 53	97 33	105 36	91 52	92 32	90 48	97 43	83 2.02 78	89 1.02 48	102 35 33	100 18.1 73	104 9.3 53	103 112 53	96 30.7 46	90 97 44	91 -63 16	94 12.9 47	119 -18.7 42	88 -1.1 19	103 37.3 46	89 16 47	97 27 46	96 0.22 44	90 -1.00 42	89 -0.80 39
KC 250016 6020109713 HOMESTEAD 516	1	156J KC 150020		113 64	103 69	113 45	105 25	86 26	113 46			106 10	109 0.09 75	110 0.16 41	93 26 25	103 19.1 69	113 11.6 45	105 115 46	97 30.8 24	106 155 14	99 -74 8	112 21.9 15	85 4.6 28	96 -2.2 13	89 31.5 38	104 25 14	108 38 13	98 0.36 11	113 1.19 10	103 -0.13 10
KC 250018 99584674 LOCK N LOAD 518	1	WDW 200198 KC 160006		99 67	88 71	102 47	110 32	114 31	108 50			97 17	100 0.77 77	100 0.57 45	89 23 32	88 13.1 71	102 8.4 47	97 98 50	90 26.4 29	97 122 19	100 -75 11	94 13.0 22	117 -17.3 32	108 -4.1 19	96 34.5 43	93 18 21	97 28 20	93 -0.04 18	105 0.41 16	98 -0.40 16
KC 250019 6020109747 STEAD 519		156J KC 180002		121 63	99 68	117 41	107 25	104 25	129 45			105 12	124 -1.01 75	96 0.75 37	91 24 25	99 17.5 68	117 12.8 41	105 117 45	91 27.0 26	106 154 13	102 -78 9	109 20.4 14	106 -9.8 26	103 -3.4 12	91 32.2 36	102 23 15	105 36 14	99 0.40 12	110 0.91 12	113 0.34 12
KC 250021 99584708 HISTORIAN 521	1	81E KC 180014		119 68	89 72	111 45	104 27	94 31	115 49			96 22	116 -0.40 78	109 0.19 45	94 28 27	89 13.5 72	111 11.3 45	104 114 48	91 27.4 28	99 129 22	103 -78 8	94 12.8 25	98 -3.9 32	90 -1.4 16	105 38.5 46	98 21 26	98 28 25	94 0.04 23	104 0.37 21	97 -0.45 20
KC 250023 99584716 CATASTOPHIC 523	2	WDW 190009 KC 200018		84 69	115 73	90 52	102 32	90 36	80 52	102 30	81 48	108 42	83 2.03 78	103 0.44 48	98 32 32	115 24.2 73	90 5.0 52	104 113 52	107 37.3 44	103 145 43	105 -82 14	101 16.6 46	102 -7.1 41	82 -0.1 20	100 36.4 46	95 19 46	102 33 45	106 0.93 43	96 -0.47 41	94 -0.60 38
KC 250024 99847972 JUST CAUSE 524	1	BH 220019 KC 170035		86 67	113 72	99 49	92 32	80 33	82 51			103 14	89 1.59 77	94 0.81 46	108 42 32	113 23.3 72	99 7.7 49	105 117 51	110 39.4 40	103 143 17	104 -80 11	105 18.3 18	91 0.9 33	78 0.5 21	96 34.3 44	106 26 18	103 34 18	100 0.52 14	103 0.23 13	102 -0.17 13

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Animal			Selection Values										Birth		Wean				Growth			Fertility				Frame		Carcass		
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling	
KC 250027 99586257 FULLY LOADED 527		WDW 200198 KC 210007	121 65	94 70	97 42	98 30	101 28	116 48			104 19	117 -0.52 76	111 0.13 40	102 35 30	94 15.3 70	97 7.2 42	92 88 47	96 30.6 28	106 157 20	111 -89 15	104 17.9 22	97 -3.8 27	101 -3.1 16	110 40.7 40	109 28 23	108 39 22	108 1.14 20	89 -1.09 18	103 -0.16 17	
KC 250029 6020120124 LOAD BODY 529	1	WDW 200198 KC 200038	102 65	87 71	103 44	98 29	102 31	101 48			97 20	105 0.42 76	96 0.74 42	101 35 29	87 12.6 71	103 8.8 44	93 88 48	91 27.0 33	97 124 22	99 -74 13	93 12.5 24	106 -9.5 34	100 -2.9 16	95 34.0 42	97 20 24	100 30 23	98 0.37 21	98 -0.24 19	92 -0.65 19	
KC 250033 6020120132 WORK LOAD 533	3	WDW 200198 KC 210034	114 65	100 70	92 42	93 31	103 31	109 48			104 22	112 -0.15 76	105 0.36 40	108 42 31	100 18.1 70	92 5.6 42	90 83 48	102 34.4 34	101 136 24	96 -70 12	102 16.9 26	99 -4.8 34	108 -4.1 17	96 34.5 41	98 21 26	106 37 26	103 0.71 23	100 -0.03 21	100 -0.27 21	
KC 250034 6020120140 BASES LOADED 534	1	WDW 200198 KC 170023	105 66	91 71	99 48	94 33	90 33	98 50			100 20	103 0.55 76	106 0.32 45	105 39 33	91 14.1 71	99 7.8 48	90 83 51	93 28.7 34	100 134 22	103 -79 14	100 15.9 24	96 -2.9 35	89 -1.2 19	93 33.3 44	100 23 24	102 32 23	101 0.60 20	100 -0.02 19	92 -0.69 18	
KC 250035 6020120116 WORK LOAD 535	1	WDW 200198 KC 160020	90 66	87 71	101 48	93 34	106 34	92 51	89 20	91 45	89 22	98 0.94 76	84 1.24 45	107 41 34	87 12.4 71	101 8.2 48	88 78 51	91 27.1 33	89 93 23	91 -63 15	80 5.9 25	106 -9.8 36	107 -4.0 22	92 32.5 45	89 16 26	90 21 25	93 0.00 22	88 -1.22 21	106 0.00 20	

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ID Number Name																														
KC 150020 82770553 DOLLY 520		C02941567 KC 040004		99 82	107 81	109 84	104 47	92 47	104 66			106 10	93 1.26 84	115 -0.05 79	94 28 47	107 21.0 81	109 10.6 84	116 141 71	104 35.7 43	104 150 18	101 -76 7	106 19.0 20	86 4.4 54	100 -2.8 25	104 38.1 62	106 26 16	107 38 15	100 0.53 11	109 0.85 10	106 0.00 10
KC 160006 84746049 ROSEBUD 606		014HH00108 KC 090034		96 81	90 79	104 80	135 51	124 48	122 66			94 12	101 0.70 83	91 0.95 77	69 2 51	90 13.9 79	104 9.0 80	110 128 70	86 24.0 36	93 107 19	97 -71 10	94 12.9 22	126 -23.6 52	115 -5.1 31	100 36.4 61	91 17 17	92 23 17	85 -0.61 13	114 1.32 12	111 0.25 12
KC 160014 84752435 BUTTERFLY 614		014HH00108 KC 090019		84 80	100 79	123 81	79 50	124 48	107 66			107 12	93 1.25 82	77 1.51 75	121 55 50	100 18.0 79	123 14.7 81	110 128 70	91 27.2 38	105 153 19	103 -80 9	110 21.0 21	124 -21.8 53	117 -5.5 30	103 37.4 60	101 23 17	109 40 16	97 0.26 12	110 0.99 11	126 0.98 11
KC 160020 84728989 ROSEBUD 620		WDW 100067 KC 100016		72 89	102 89	96 89	92 83	109 75	84 83	90 78	83 82	86 79	80 2.22 90	59 2.24 87	109 42 83	102 18.7 89	96 6.8 89	95 93 87	101 33.7 70	83 71 79	83 -53 78	71 1.5 79	101 -6.6 60	116 -5.4 80	91 32.4 84	89 16 79	85 16 79	93 -0.01 79	81 -1.88 79	131 1.19 79
KC 160024 84752476 MINUTE MAID 624		WDW 100067 KC 070003		89 82	92 81	80 83	109 59	133 56	94 70	76 28	90 62	74 28	91 1.46 84	97 0.68 78	91 25 59	92 14.5 81	80 2.3 83	80 60 74	88 25.5 50	78 50 33	89 -61 23	67 -0.6 34	130 -26.2 61	125 -6.7 41	104 38.1 65	94 19 35	77 8 34	82 -0.85 29	93 -0.71 28	124 0.86 28
KC 170020 86188109 MINUTE MAID 720	1	WDW 130120 KC 070003		88 81	99 80	81 82	126 57	102 53	92 69	86 24	90 60	84 22	88 1.65 83	101 0.55 77	77 10 57	99 17.7 80	81 2.3 82	92 88 73	97 31.2 51	88 87 27	95 -69 19	90 11.0 29	107 -10.2 58	103 -3.3 36	85 29.3 64	98 21 29	87 18 29	89 -0.34 22	93 -0.70 21	103 -0.16 21
KC 170023 86188133 DOLLY 723	1	WDW 130120 KC 130028		102 82	94 80	98 82	103 56	77 51	92 68	94 24	92 59	95 22	100 0.80 84	106 0.33 77	96 30 56	94 15.3 80	98 7.4 82	95 94 73	93 28.3 52	93 107 27	97 -72 18	99 15.6 29	86 3.9 58	76 0.8 31	96 34.2 64	99 22 29	94 25 28	95 0.14 23	104 0.39 22	96 -0.46 21
KC 170035 86441219 DOWAGER 735	1	WDW 130120 KC 120020		81 81	110 79	87 80	85 57	70 48	67 68	98 24	67 59	98 22	83 2.05 83	98 0.66 77	117 51 57	110 22.4 79	87 4.1 80	90 83 72	106 36.8 45	99 128 27	103 -79 19	105 18.3 29	84 5.3 48	71 1.6 34	83 28.5 63	102 24 30	97 27 29	99 0.45 23	99 -0.15 21	101 -0.24 21
KJA 170026 86188588 DORA	1	SLM 130041 KJA 110043		69 81	113 79	105 80	77 62	97 57	83 70	97 37	83 63	102 54	76 2.57 83	71 1.76 77	125 60 62	113 23.3 79	105 9.5 80	103 112 74	111 39.9 52	97 122 59	95 -68 11	110 20.7 64	90 1.0 64	104 -3.5 42	101 36.8 66	103 24 64	109 39 63	116 1.67 56	88 -1.20 52	88 -0.85 51
KC 180002 87788519 ROSEBUD 802		44U KC 150026		120 79	96 78	117 77	110 46	126 43	136 63			99 16	127 -1.21 82	86 1.14 71	88 21 46	96 16.4 78	117 12.9 77	118 144 67	89 26.1 47	101 136 17	104 -80 12	97 14.3 18	128 -25.2 51	114 -5.0 23	108 39.6 56	97 20 18	99 30 18	98 0.36 16	103 0.25 15	124 0.89 15
KC 180014 87788634 MINUTE MAID 814		C02941567 KC 130014		126 79	100 77	109 76	93 43	102 39	126 61			104 15	116 -0.39 82	126 -0.50 74	107 40 43	100 18.1 77	109 10.5 76	105 115 65	102 34.6 37	107 160 17	111 -90 12	98 14.8 18	95 -2.4 38	105 -3.6 22	112 41.4 58	100 23 18	100 31 18	104 0.82 15	102 0.13 15	104 -0.10 14
KC 190002 89308860 MINUTE MAID 902	1	44U KC 150014		119 77	93 75	133 71	114 36	124 42	136 59			99 8	142 -2.31 81	85 1.17 68	83 16 36	93 14.9 75	133 17.6 71	132 177 61	88 25.4 43	98 126 10	101 -76 5	96 14.0 11	113 -14.6 50	128 -7.1 21	98 35.4 54	90 16 11	98 29 11	91 -0.14 8	111 1.01 7	115 0.42 7

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ID Number Name																													
KC 190005 89308894 ROSEANNE 905	2	KC 170001 KRM 160067	98 77	78 77	114 75	101 52	83 44	81 64	82 25	79 56	81 26	105 0.37 81	83 1.27 69	97 30 52	78 8.8 77	114 12.0 75	96 96 68	82 21.5 49	85 76 28	96 -70 21	82 7.0 29	97 -3.8 49	73 1.2 28	100 36.3 55	94 19 29	84 15 29	83 -0.80 27	74 -2.56 25	95 -0.54 25
KC 190027 89583413 MINUTE MAID 927	1	WDW 130120 KC 140002	74 77	114 74	79 70	107 46	97 45	72 61	99 25	73 54	97 26	78 2.41 80	90 0.98 69	94 27 46	114 23.9 74	79 1.8 70	95 95 63	112 40.7 44	99 131 29	104 -81 20	99 15.5 31	99 -4.9 43	100 -2.9 32	91 32.1 60	108 28 31	98 29 30	102 0.68 26	92 -0.85 25	114 0.40 24
KC 190034 89583488 ROSEBUD 934	4	KC 170001 KC 090034	82 78	103 76	99 72	101 41	96 39	87 60			93 16	91 1.45 81	80 1.40 70	99 32 41	103 19.3 76	99 7.6 72	102 110 63	104 35.3 44	94 109 22	99 -73 13	94 12.7 25	98 -4.0 35	97 -2.4 27	94 33.7 56	100 23 21	94 25 20	89 -0.29 16	102 0.13 15	101 -0.25 15
KC 200005 91078121 ROSEBUD 005	2	652D KC 160006	95 76	113 76	110 68	91 53	139 45	114 63	107 20	115 54	114 28	99 0.84 80	91 0.93 67	108 42 53	113 23.2 76	110 10.8 68	114 136 66	112 40.7 48	107 160 30	101 -77 7	111 21.4 33	130 -26.2 54	134 -8.2 29	107 39.3 53	99 22 33	111 42 32	103 0.72 30	120 1.97 27	108 0.11 27
KC 200007 91078147 MINUTE MAID 007		652D KC 160024	94 87	115 87	76 86	86 82	132 72	92 81	92 79	91 81	92 80	92 1.36 88	105 0.36 84	118 52 82	115 24.1 87	76 1.0 86	85 71 85	105 36.5 70	88 90 80	90 -62 78	91 11.7 80	118 -18.0 56	128 -7.1 79	123 46.5 82	107 27 80	97 28 80	99 0.41 80	98 -0.23 79	127 1.00 79
KC 200012 91078170 BUTTERFLY 012		WDW 170039 KC 160014	76 77	91 77	124 73	97 53	128 45	98 64			98 21	85 1.89 81	79 1.42 67	100 34 53	91 14.2 77	124 15.1 73	114 135 68	88 25.3 46	97 123 23	97 -72 13	99 15.4 25	128 -24.8 55	117 -5.6 26	104 38.1 54	95 20 25	101 32 24	94 0.05 22	106 0.52 20	102 -0.20 20
KC 200018 91082602 DOWAGER 018	2	WDW 170016 KC 170035	94 76	91 76	90 72	125 54	77 45	88 64	84 21	85 55	86 22	92 1.39 80	107 0.30 66	77 10 54	91 14.2 76	90 5.2 72	95 93 67	85 23.2 46	89 91 25	102 -78 15	92 12.1 27	96 -2.9 52	69 1.9 29	89 31.1 54	87 15 27	82 13 27	89 -0.32 23	100 -0.03 22	94 -0.59 21
KC 200021 91078212 ROSEANNE 021	2	WDW 170039 KRM 160067	87 76	86 77	114 73	101 57	105 47	93 65	81 28	90 58	84 31	96 1.06 80	69 1.83 67	97 31 57	86 12.0 77	114 12.1 73	102 110 69	83 22.2 52	80 59 32	86 -57 22	93 12.7 35	124 -21.8 56	88 -1.1 29	93 33.2 55	94 19 35	90 21 34	89 -0.34 32	91 -0.94 30	92 -0.65 30
KC 200038 91078535 ROSEBUD 038	2	WDW 170039 KC 130025	93 76	85 77	105 74	113 45	101 46	98 62	85 23	95 54	85 25	99 0.84 80	88 1.07 68	86 19 45	85 11.7 77	105 9.5 74	99 103 65	86 24.2 48	85 78 28	89 -61 17	83 7.7 30	106 -9.9 57	97 -2.4 23	99 35.9 57	90 16 29	87 18 29	87 -0.47 26	100 -0.08 24	97 -0.41 24
KC 210005 92533165 GRAND SLAM 105		C02941567 WDW 140044	104 73	102 73	109 69	97 48	110 35	113 59			100 18	100 0.74 78	109 0.21 63	102 35 48	102 18.8 73	109 10.5 69	108 123 63	103 34.9 35	101 139 19	107 -84 17	100 15.9 21	97 -3.6 33	116 -5.4 19	112 41.8 54	96 20 21	96 26 21	94 0.08 18	107 0.62 17	96 -0.46 17
KC 210007 92533181 BUTTERFLY 107		6153 KC 150001	122 91	98 91	92 89	114 87	100 71	115 84	98 86	114 84	99 86	113 -0.21 92	121 -0.30 89	86 20 87	98 17.2 91	92 5.7 89	98 100 89	99 32.2 66	103 144 86	113 -91 86	105 18.4 86	90 1.4 38	99 -2.8 86	131 49.8 88	114 31 86	104 35 86	107 1.03 86	82 -1.77 86	118 0.57 86
KC 210017 92533553 MINUTE MAID 117	1	WDW 170039 KC 150022	90 74	85 74	94 64	135 47	121 45	102 60	85 24	100 53	85 25	90 1.51 79	102 0.51 64	70 3 47	85 11.6 74	94 6.3 64	96 96 62	84 22.5 48	86 79 28	90 -62 17	83 7.7 30	136 -30.5 57	104 -3.5 24	85 29.7 54	87 14 30	86 17 30	87 -0.49 26	100 0.00 24	97 -0.42 24

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ID Number Name																													
KC 210030 92708064 BUTTERFLY 130	1	WDW 170039 KC 120019	79 75	85 76	105 70	112 47	112 47	91 62	76 24	87 54	80 25	71 2.90 80	104 0.42 65	86 20 47	85 11.7 76	105 9.4 70	99 102 64	90 26.5 49	78 49 28	84 -55 17	79 5.4 30	131 -27.1 58	89 -1.3 26	99 35.6 56	78 9 30	78 9 29	81 -0.90 26	105 0.45 24	87 -0.91 24
KC 210034 92708098 ROSEBUD 134		652D KC 130025	113 74	107 75	83 69	102 51	103 46	103 62	97 24	102 54	98 32	109 0.07 79	109 0.19 64	99 33 51	107 21.0 75	83 3.1 69	92 86 65	106 37.0 50	92 102 33	83 -53 13	101 16.7 36	93 -0.7 57	112 -4.7 27	101 36.8 54	92 17 36	100 31 35	95 0.13 33	104 0.33 30	113 0.32 30
KC 220005 94274792 ROSEANNE 205	3	KC 200006 KC 190005	101 69	94 73	105 59	96 41	93 32	103 55			90 20	106 0.35 77	91 0.94 53	103 37 41	94 15.3 73	105 9.5 59	99 101 58	97 30.8 37	91 98 21	96 -70 12	87 9.6 23	97 -3.5 33	91 -1.5 19	103 37.6 44	96 20 23	92 23 23	92 -0.09 21	87 -1.35 20	98 -0.37 19
KC 220011 94274859 MINUTE MAID 211		183F KC 130014	108 71	104 73	84 60	108 40	110 39	105 56	108 25	106 50	98 34	106 0.30 78	105 0.36 55	92 26 40	104 19.6 73	84 3.3 60	90 83 58	99 32.4 49	103 145 34	104 -80 12	100 16.2 39	108 -11.2 50	107 -4.0 19	106 39.0 48	99 22 39	99 30 38	109 1.16 35	92 -0.82 32	105 -0.06 31
KC 220016 94274909 ROSEBUD 216		183F KC 160020	85 70	102 73	89 58	87 39	79 39	74 55	105 24	76 49	93 34	94 1.18 78	73 1.66 53	114 48 39	102 19.0 73	89 4.9 58	87 75 57	101 33.6 48	99 130 34	99 -74 11	96 14.1 38	73 13.0 50	91 -1.5 19	103 37.3 47	97 20 39	93 24 38	102 0.65 35	82 -1.77 32	119 0.62 31
KC 220019 94274933 DOLLY 219		6153 KC 170023	109 72	103 73	91 62	119 44	82 41	100 58	95 24	99 51	99 22	105 0.38 78	110 0.17 59	82 15 44	103 19.4 73	91 5.3 62	100 105 60	99 32.3 44	93 107 23	92 -64 22	101 16.3 27	78 9.7 54	88 -1.1 21	112 41.6 49	99 22 27	99 30 26	94 0.05 23	109 0.83 21	91 -0.71 20
KC 220020 94274941 DOLLY 220		WDW 170039 KC 150020	89 72	99 75	113 65	108 46	107 42	105 59			97 21	89 1.56 78	99 0.61 60	90 23 46	99 17.6 75	113 11.6 65	115 138 62	99 32.4 46	96 119 23	95 -69 13	96 14.1 25	109 -11.6 54	103 -3.4 21	101 36.5 52	97 21 25	100 30 24	95 0.16 22	105 0.45 20	91 -0.70 20
KC 220033 94394921 MINUTE MAID 233	1	WDW 170039 KC 130026	108 73	74 74	113 65	115 47	102 41	99 59	74 22	95 52	75 22	109 0.11 78	99 0.62 61	83 17 47	74 7.1 74	113 11.6 65	98 100 62	78 18.9 40	74 36 25	79 -48 16	70 0.8 27	115 -16.2 45	87 -0.9 24	104 37.9 54	79 9 27	82 13 27	78 -1.17 23	105 0.40 21	88 -0.86 21
KC 220035 94394947 MINUTE MAID 235		WDW 170039 KC 150014	94 72	99 74	104 65	107 41	119 39	111 57			97 21	96 1.08 78	97 0.68 60	91 25 41	99 17.6 74	104 9.0 65	106 119 60	98 31.7 40	95 114 23	99 -74 13	92 11.9 25	113 -14.3 44	119 -5.8 22	103 37.5 52	92 18 25	96 27 25	95 0.11 22	110 0.91 20	96 -0.46 20
KC 230001 95856795 ROSEBUD 301	13	KC 200006 KC 200005	84 85	120 85	118 81	95 80	139 65	106 78	110 78	108 78	120 78	92 1.32 87	74 1.63 81	103 37 80	120 26.3 85	118 13.1 81	128 168 82	126 49.6 70	115 191 79	120 -101 78	101 16.4 79	128 -25.0 35	130 -7.6 78	120 45.1 81	105 26 79	109 40 79	109 1.21 79	127 2.60 78	101 -0.26 78
KC 230002 95856803 MINUTE MAID 302		174E KC 190002	118 68	108 72	121 52	97 37	114 35	127 53	109 32	127 49	114 38	127 -1.23 77	81 1.33 50	100 34 37	108 21.3 72	121 14.1 52	124 158 54	103 34.7 50	109 168 38	104 -80 24	114 22.8 38	108 -11.2 40	113 -4.9 17	110 40.4 48	107 27 41	115 46 40	100 0.53 39	118 1.75 36	115 0.45 36
KC 230003 95856811 BUTTERFLY 303	1	KC 200006 KC 200012	78 66	114 72	105 48	87 34	116 32	96 51			111 19	84 1.93 77	85 1.18 43	113 47 34	114 23.9 72	105 9.4 48	109 125 51	111 39.8 42	108 162 20	105 -81 9	106 18.9 22	108 -11.5 35	116 -5.4 18	106 38.7 44	108 28 22	113 44 21	109 1.22 20	104 0.30 18	106 0.02 18

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KC 230009 95856878 MINUTE MAID 309	4	KC 200006 KC 200016		94 65	124 70	96 46	97 34	100 32	95 50			115 18	97 0.98 75	95 0.78 42	103 37 34	124 28.2 70	96 6.9 46	114 136 50	122 47.2 42	110 172 19	110 -87 12	108 20.2 22	82 6.9 35	116 -5.4 18	107 39.1 43	114 31 22	115 45 21	112 1.42 19	108 0.75 18	112 0.30 17
KC 230015 95856928 ROSEBUD 315	5	KC 200006 KC 180002		105 67	116 73	104 50	93 32	115 31	115 51			110 18	112 -0.12 77	85 1.17 45	106 40 32	116 24.7 73	104 9.0 50	113 133 52	112 40.6 42	108 164 18	107 -84 9	104 17.9 20	109 -12.0 33	114 -5.0 17	107 39.5 44	108 27 20	111 41 20	110 1.24 18	102 0.15 17	117 0.53 16
KC 230017 96121298 BUTTERFLY 317		174E KC 170022		94 68	103 71	97 54	100 43	98 39	95 55	95 34	94 51	97 40	93 1.30 76	103 0.44 52	100 33 43	103 19.3 71	97 7.1 54	100 105 56	104 35.7 52	94 110 40	94 -67 26	103 17.5 41	109 -11.8 43	88 -1.0 23	101 36.5 51	98 21 44	97 28 43	89 -0.29 41	111 1.04 38	104 -0.08 38
KC 230018 96121306 DOLLY 318		183F KC 150020		99 67	108 72	98 48	100 27	84 30	92 49	114 20	95 43	106 30	98 0.93 77	103 0.45 45	99 33 27	108 21.5 72	98 7.3 48	100 104 49	101 33.8 47	110 172 31		115 23.7 36	77 10.2 33	95 -2.1 13	105 38.6 45	107 27 36	107 38 35	110 1.25 32	101 0.08 29	101 -0.26 28
KC 230019 96121314 DOLLY 319		174E KC 170023		94 70	115 73	102 56	94 42	91 38	93 56	107 34	95 52	110 39	98 0.94 78	92 0.91 53	106 39 42	115 24.1 73	102 8.6 56	111 128 57	113 41.1 52	105 150 40	101 -76 25	113 22.6 40	95 -2.1 42	87 -0.9 21	108 39.7 50	110 29 43	111 41 42	100 0.50 40	115 1.42 38	105 -0.03 37
KC 230021 96121330 ROSEBUD 321		183F KC 160006		103 67	97 72	95 47	116 29	101 31	107 49	102 20	107 43	96 30	109 0.09 77	87 1.10 44	84 17 29	97 16.8 72	95 6.5 47	99 102 49	92 28.1 46	101 136 32	103 -79 5	106 18.9 36	99 -4.7 32	101 -3.1 16	104 38.0 45	96 20 36	96 26 35	98 0.39 32	103 0.28 29	102 -0.21 28
KC 230032 96302088 DOWAGER 332	2	KC 200006 KC 170035		87 68	122 72	89 51	83 36	87 34	80 52			107 19	91 1.40 77	91 0.93 47	119 53 36	122 27.1 72	89 4.8 51	99 103 53	118 44.8 36	105 152 21	105 -81 11	106 18.8 23	88 2.9 32	92 -1.7 22	96 34.4 47	108 27 23	107 37 23	109 1.16 20	100 -0.07 18	105 -0.07 18
KC 240003 97650162 BUTTERFLY 403		652D KC 150001		118 70	110 73	95 55	90 39	116 36	118 54	97 20	117 47	105 29	107 0.23 78	126 -0.50 53	110 44 39	110 22.2 73	95 6.6 55	100 104 56	109 39.1 47	97 121 29	92 -65 8	107 19.5 33	104 -8.1 38	122 -6.3 23	103 37.4 47	94 18 33	105 35 32	101 0.57 30	111 1.07 28	112 0.27 27
KC 240010 97710131 ROSEBUD 410	1	WDW 190009 KC 190034		75 69	120 71	95 52	95 27	100 34	80 50	101 29	81 46	106 41	80 2.27 78	90 0.96 49	105 39 27	120 26.2 71	95 6.4 52	108 123 50	116 43.5 51	101 136 42	100 -75 13	97 14.6 45	104 -8.1 36	95 -2.1 18	107 39.1 48	96 20 45	103 33 44	101 0.57 42	96 -0.43 40	95 -0.52 37
KC 240011 97650212 GRAND SLAM 411	7	KC 220003 KC 210005		95 64	118 69	100 43	88 29	107 25	101 47			111 12	92 1.37 76	109 0.21 39	112 46 29	118 25.7 69	100 8.0 43	109 124 47	118 44.7 35	111 175 13	112 -91 9	107 19.2 14	93 -0.7 22	115 -5.1 13	114 42.4 40	108 27 15	109 39 14	109 1.18 13	105 0.41 12	104 -0.11 12
KC 240013 97710123 ROSEANNE 413	1	WDW 190009 KC 200021		86 69	100 74	106 53	99 33	105 36	97 53	90 32	96 49	95 43	92 1.36 78	86 1.15 48	100 34 33	100 18.0 74	106 9.7 53	105 116 53	96 30.1 54	88 89 44	89 -61 16	92 11.9 47	119 -18.5 42	89 -1.2 19	106 38.9 47	87 14 47	94 25 46	94 0.05 44	90 -1.03 42	88 -0.84 39
KC 240015 97710099 ROSEBUD 415	1	WDW 190009 KC 150026		107 86	110 87	84 83	110 80	91 68	95 79	89 81	94 79	101 81	102 0.59 88	112 0.09 83	91 24 80	110 22.1 87	84 3.4 83	98 101 83	104 35.9 70	98 124 81	106 -83 80	87 9.4 82	95 -1.9 41	88 -1.0 80	105 38.6 83	86 14 82	93 24 82	106 0.93 81	111 1.06 81	101 -0.26 81

Breeding Values and Accuracies: Cows

Green: >120 High
White: 80-120 Average
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values									Birth		Wean				Growth			Fertility				Frame		Carcass		
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
KC 240017 97650261 MINUTE MAID 417	1	WDW 200198 KC 190002	125 66	89 71	118 43	100 26	114 30	129 47			101 16	128 -1.28 77	95 0.78 42	98 31 26	89 13.4 71	118 13.1 43	108 122 47	90 26.5 40	102 139 17	104 -80 11	97 14.6 20	109 -11.9 31	115 -5.3 15	98 35.1 43	95 19 20	103 33 19	98 0.33 17	103 0.28 16	100 -0.28 15
KC 240018 97650279 DOLLY 418		652D KC 150020	104 70	118 73	101 56	91 38	105 38	108 55	109 20	109 48	111 28	99 0.82 78	112 0.06 53	110 44 38	118 25.5 73	101 8.2 56	110 127 56	115 42.4 48	103 146 29	90 -62 7	115 23.4 33	92 0.2 42	117 -5.5 21	99 35.9 50	100 23 33	114 44 32	104 0.80 29	109 0.86 27	107 0.04 26
KC 240019 97650287 ROSEBUD 419	2	652D KC 180002	116 69	110 73	105 53	93 37	122 36	126 53	105 20	126 46	107 29	118 -0.57 77	98 0.65 51	106 40 37	110 22.3 73	105 9.4 53	110 126 54	105 36.1 49	101 138 29	91 -64 8	110 21.0 33	113 -14.7 41	124 -6.6 20	101 36.7 48	95 20 33	109 40 32	102 0.68 30	106 0.56 28	116 0.48 27
KC 240021 97650295 ROSEBUD 421	2	WDW 200198 KC 200005	97 66	104 68	105 42	90 32	122 31	113 48			109 21	99 0.86 77	98 0.65 41	110 44 32	104 19.6 68	105 9.3 42	103 111 47	108 38.1 42	106 156 22	104 -80 11	105 18.2 25	117 -17.5 33	119 -5.8 18	101 36.7 42	99 22 25	109 40 24	104 0.78 22	108 0.76 20	97 -0.43 20
KC 240033 97803563 DOLLY 433	5	KC 200006 KC 210011	105 64	103 69	101 45	97 31	91 32	102 48			97 19	106 0.33 74	99 0.63 41	102 36 31	103 19.3 69	101 8.2 45	102 110 48	103 35.2 33	94 112 20	93 -66 12	94 12.7 22	90 1.3 35	96 -2.3 17	99 35.9 44	97 21 22	98 28 22	95 0.16 20	101 0.04 18	99 -0.34 17
KJA 240003 98413529 DORA	3	HVR 210015 KJA 170026	94 67	93 59	108 51	96 40	109 39	107 50	90 30	105 46	98 37	102 0.62 75	83 1.26 50	103 37 40	93 15.2 59	108 10.3 51	101 106 50	94 29.1 40	92 103 48	95 -69 8	109 20.5 52	109 -12.1 42	106 -3.8 26	100 36.3 49	102 24 53	102 33 51	102 0.68 38	117 1.65 36	111 0.22 35
KC 250003 99847915 ROSEANNE 503	1	BH 220019 KC 220005	104 64	102 71	110 42	98 25	92 27	105 46			98 14	109 0.07 76	88 1.05 37	100 34 25	102 18.7 71	110 11.0 42	110 128 46	103 34.6 38	98 125 14	99 -74 9	95 13.5 15	97 -3.4 28	88 -1.0 16	105 38.5 38	102 24 16	100 30 15	95 0.13 14	97 -0.38 13	100 -0.26 13
KC 250004 6020104680 DOLLY 504		BH 220019 KC 220011	101 64	106 71	97 42	107 24	100 29	104 46			98 19	102 0.59 76	98 0.64 37	92 26 24	106 20.4 71	97 7.2 42	106 118 46	103 35.2 42	101 136 20	101 -76 9	98 15.2 22	104 -8.1 34	95 -2.1 15	106 39.0 39	100 23 22	99 30 22	100 0.50 20	99 -0.15 18	102 -0.17 18
KC 250007 6020104672 DOLLY 507	1	BH 220019 KC 220020	92 64	107 71	112 44	103 27	99 31	101 48			103 14	95 1.13 76	93 0.83 39	95 29 27	107 21.1 71	112 11.5 44	119 146 47	107 37.2 41	102 141 15	100 -76 9	101 16.5 16	102 -6.9 36	95 -2.1 16	104 38.0 40	104 25 16	105 36 16	98 0.39 14	106 0.53 13	98 -0.39 13
KC 250008 99847998 MINUTE MAID 508	1	BH 220019 KC 200007	94 66	122 72	92 46	89 31	111 32	97 50			105 18	97 0.99 77	94 0.81 42	112 46 31	122 27.2 72	92 5.8 46	105 117 50	115 42.8 42	101 138 19	100 -75 9	101 16.7 21	105 -9.1 36	108 -4.2 19	115 43.1 41	113 30 21	107 38 20	104 0.80 18	103 0.23 17	117 0.53 17
KC 250009 99584682 BUTTERFLY 509		81E KC 200012	99 66	83 72	121 44	107 31	106 33	101 49			91 23	107 0.27 77	84 1.22 43	90 23 31	83 10.7 72	121 14.0 44	109 125 49	82 21.4 32	92 105 24	94 -68 9	93 12.4 27	113 -14.9 37	97 -2.4 17	101 36.7 44	94 19 27	97 27 26	87 -0.46 24	106 0.55 22	95 -0.53 22
KC 250010 6020104631 DOLLY 510		BH 220019 KC 220019	114 86	97 87	101 83	110 81	97 66	113 79	86 81	111 79	92 81	114 -0.27 88	102 0.49 82	89 22 81	97 16.8 87	101 8.3 83	104 113 84	94 28.9 63	82 67 81	82 -52 81	90 11.0 81	94 -1.7 36	92 -1.6 81	125 47.4 82	89 16 81	91 22 81	83 -0.75 81	126 2.53 81	82 -1.17 81

Breeding Values and Accuracies: Cows

Green: >120 High
White: 80-120 Average
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
KC 250011 99584690 GRAND SLAM 511	1	81E KC 210005	107 66	92 71	111 42	106 29	98 30	112 48			95 22	107 0.25 77	100 0.56 41	93 26 29	92 14.7 71	111 11.1 42	107 119 47	93 28.7 28	97 120 23	101 -76 10	95 13.6 26	97 -3.8 30	97 -2.4 15	105 38.4 44	96 20 26	96 27 25	90 -0.27 23	107 0.62 21	93 -0.62 21
KC 250012 6020109739 ROSEANNE 512		156J KC 190005	107 62	83 68	115 41	108 27	82 25	96 45			87 16	108 0.16 74	98 0.64 36	90 23 27	83 10.6 68	115 12.3 41	92 88 45	82 21.1 26	90 96 17	92 -65 13	94 13.1 18	93 -0.6 26	81 0.0 14	87 30.5 35	92 18 19	89 20 18	83 -0.78 16	95 -0.57 16	95 -0.52 15
KC 250014 6020104623 ROSEBUD 514		BH 220019 KC 220016	84 86	114 87	100 83	90 81	75 66	77 79	113 81	80 79	108 81	91 1.44 88	85 1.18 82	110 44 81	114 23.6 87	100 7.9 83	106 117 84	116 43.5 62	113 183 81	111 -90 81	108 20.2 82	80 8.5 34	75 1.0 81	111 41.2 83	112 30 82	109 39 82	105 0.88 81	86 -1.43 81	128 1.06 81
KC 250022 99847964 BUTTERFLY 522	1	BH 220019 KC 210030	83 65	99 72	109 46	107 28	101 32	97 49			92 16	84 1.92 76	97 0.69 41	91 24 28	99 17.5 72	109 10.5 46	111 129 49	101 33.5 42	90 97 17	93 -66 10	90 10.9 18	114 -15.0 37	87 -1.0 18	103 37.6 42	92 18 18	92 23 18	88 -0.35 16	106 0.51 15	94 -0.55 14
KC 250025 99847980 MINUTE MAID 525	1	BH 220019 KC 170020	92 67	103 72	98 50	116 32	97 35	100 51			90 14	95 1.16 77	96 0.75 46	83 17 32	103 19.2 72	98 7.2 50	108 122 51	102 34.2 42	91 99 17	95 -68 11	91 11.7 18	103 -7.6 37	93 -1.8 22	97 34.8 45	98 21 18	91 22 18	88 -0.40 14	99 -0.11 13	101 -0.25 13
KC 250026 6020109754 MINUTE MAID 526	1	156J KC 190002	127 63	102 68	125 38	108 20	102 24	133 43			107 10	130 -1.49 75	94 0.81 36	89 23 20	102 18.7 68	125 15.1 38	114 137 42	94 29.0 24	106 155 11	102 -77 7	110 20.9 12	97 -3.4 26	112 -4.7 11	87 30.4 35	100 22 13	107 37 12	97 0.27 10	114 1.30 10	109 0.14 10
KC 250028 6020104664 MINUTE MAID 528	2	WDW 190063 KC 190027	79 67	113 72	78 48	95 33	96 35	72 51	103 38	74 48	97 34	63 3.51 77	102 0.51 46	106 40 33	113 23.6 72	78 1.6 48	90 81 51	115 42.4 41	103 146 36	104 -80 36	109 20.3 39	99 -4.6 36	98 -2.6 22	88 30.9 48	111 29 40	100 31 39	101 0.56 36	83 -1.75 33	102 -0.17 32
KC 250030 99847931 MINUTE MAID 530		BH 220019 KC 150018	98 67	102 72	110 50	103 24	85 32	99 49			100 11	95 1.16 77	108 0.25 46	96 29 24	102 18.8 72	110 10.8 50	112 131 49	101 33.7 40	101 135 15	103 -79 9	99 15.3 16	83 6.3 35	91 -1.5 17	103 37.7 44	103 24 15	100 31 15	94 0.08 11	108 0.76 11	105 -0.06 10
KC 250031 6020104649 DORA 531	2	KJA 210024 KJA 170026	84 65	93 70	100 47	96 33	94 34	88 50	89 26	86 45	90 39	86 1.80 75	96 0.74 44	103 37 33	93 15.0 70	100 7.9 47	93 89 50	92 27.8 33	86 82 42	79 -48 6	97 14.4 47	99 -4.9 37	95 -2.1 22	90 31.6 43	95 20 48	99 30 46	83 -0.77 41	107 0.66 37	80 -1.27 36
KC 250032 99847923 BUTTERFLY 532		BH 220019 KC 160014	106 66	111 72	120 50	86 29	107 33	115 50			112 10	115 -0.34 76	75 1.59 45	113 47 29	111 22.5 72	120 13.8 50	119 147 50	104 35.3 40	110 171 13	107 -84 8	111 21.6 15	108 -10.9 35	103 -3.4 20	106 38.7 43	110 29 13	114 45 13	102 0.69 11	109 0.84 10	117 0.51 10

Selection List on Cow Value

Bulls 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Polled HH:Horned, PcPc:Polled, PcH: Polled horn carrier	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value									
Sorted on ID						nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc									
										★★★★★																
1	KC 240022	BULLETIN BOARD 422	652D	KC 150014	0.2	PcPc	0	0	0	6.4	109	70	107	73	105	56	92	39	120	38	117	55	99	20	117	48
2	WDW 230024	SAMUEL	WDW 200023	WDW 190141	0.5						111	86	92	84	102	82	95	80	103	67	110	78	109	80	112	78
										★★★★★☆☆																
1	BH 220019	BH 220019	BH 120028	BH 190044	5.3	PcH	0	0	0	6.4	96	76	109	85	114	55	102	29	90	43	100	57				
2	KC 240024	WARLORD 424	652D	KC 170023	0.0	PcPc	0	0	0	6.4	112	70	103	73	97	55	91	40	97	39	108	55	102	22	108	48
3	KC 240034	BOLD RULER 434	KC 200006	KC 130014	7.3	PcH	0	0	0	6.4	108	68	113	73	92	54	94	37	114	37	109	54				
4	WDW 200198	reload	WDW 170106	WDW 180080	0.8	PcH	0	0	0	6.4	110	76	89	80	101	46	87	35	103	38	108	55	99	29	107	50
										★★★★★																
1	KC 240005	CATCH MY DRIFT 405	WDW 190009	KC 200012	1.0	PcH	0	0	0	6.4	76	69	108	73	110	53	92	32	116	36	95	52	105	29	97	47
2	KC 240006	CATALYST 406	WDW 190009	KC 200016	0.2	PcH	0	0	0	6.4	97	86	118	87	97	83	96	82	101	69	98	80	104	82	99	80
3	KC 240008	BOLT ACTION 408	652D	KC 190005	0.0	PcPc	0	0	0	6.4	90	86	100	86	104	82	100	80	92	67	94	79	112	80	96	79
4	KC 240009	BOLD DECISION 409	KC 220003	KC 210030	1.7	PcH	0	0	0	6.4	80	65	111	70	99	44	92	28	108	29	91	47				
5	KC 240012	BOLD STATEMENT 412	KC 220003	KC 210019	0.9	PcH	0	0	0	6.4	88	62	109	67	96	41	94	26	104	28	93	45				
6	KC 240026	BOLD TEXT 426	KC 200006	KC 160014	1.0	PcH	0	0	0	6.4	79	67	123	73	103	51	75	34	113	33	94	52				
7	KC 240031	FULLY LOADED 431	WDW 200198	KC 130026	0.6	PcH	0	0	0	6.4	119	84	84	85	88	80	107	79	77	65	91	77	81	78	89	77
8	KC 240041	BOULDER 441	KC 200006	KC 200034	3.5	PcPc	0	0	0	6.4	92	65	106	69	97	45	98	32	106	32	97	49				

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Polled HH: Horned, PcPc: Polled, PcH: Polled horn carrier	Myostatin nt821	Q204X	F94L	Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc								
										★★★★★★															
1	KC 180002	ROSEBUD 802	44U	KC 150026	0.0					120	79	96	78	117	77	110	46	126	43	136	63				
2	KC 190002	MINUTE MAID 902	44U	KC 150014	1.2					119	77	93	75	133	71	114	36	124	42	136	59				
										★★★★★★☆															
1	KC 160006	ROSEBUD 606	014HH00108	KC 090034	0.0					96	81	90	79	104	80	135	51	124	48	122	66				
2	KC 180014	MINUTE MAID 814	C02941567	KC 130014	0.0	PcH	0	0	0	126	79	100	77	109	76	93	43	102	39	126	61				
3	KC 230002	MINUTE MAID 302	174E	KC 190002	0.1					118	68	108	72	121	52	97	37	114	35	127	53	109	32	127	49
4	KC 240017	MINUTE MAID 417	WDW 200198	KC 190002	1.1					125	66	89	71	118	43	100	26	114	30	129	47				
5	KC 240019	ROSEBUD 419	652D	KC 180002	1.6					116	69	110	73	105	53	93	37	122	36	126	53	105	20	126	46
										★★★★★★															
1	KC 200005	ROSEBUD 005	652D	KC 160006	1.6	PcPc	0	0	0	95	76	113	76	110	68	91	53	139	45	114	63	107	20	115	54
2	KC 210005	GRAND SLAM 105	C02941567	WDW 140044	0.3					104	73	102	73	109	69	97	48	110	35	113	59				
3	KC 210007	BUTTERFLY 107	6153	KC 150001	0.0					122	91	98	91	92	89	114	87	100	71	115	84	98	86	114	84
4	KC 220035	MINUTE MAID 235	WDW 170039	KC 150014	0.2					94	72	99	74	104	65	107	41	119	39	111	57				
5	KC 230015	ROSEBUD 315	KC 200006	KC 180002	5.0					105	67	116	73	104	50	93	32	115	31	115	51				
6	KC 240003	BUTTERFLY 403	652D	KC 150001	0.2					118	70	110	73	95	55	90	39	116	36	118	54	97	20	117	47
7	KC 240021	ROSEBUD 421	WDW 200198	KC 200005	2.4					97	66	104	68	105	42	90	32	122	31	113	48				
										★★★★☆															
1	KC 150020	DOLLY 520	C02941567	KC 040004	0.0	PcPc	0	0	0	99	82	107	81	109	84	104	47	92	47	104	66				
2	KC 160014	BUTTERFLY 614	014HH00108	KC 090019	0.0					84	80	100	79	123	81	79	50	124	48	107	66				
3	KC 210017	MINUTE MAID 117	WDW 170039	KC 150022	1.2					90	74	85	74	94	64	135	47	121	45	102	60	85	24	100	53
4	KC 210034	ROSEBUD 134	652D	KC 130025	0.0					113	74	107	75	83	69	102	51	103	46	103	62	97	24	102	54
5	KC 220005	ROSEANNE 205	KC 200006	KC 190005	2.6					101	69	94	73	105	59	96	41	93	32	103	55				
6	KC 220011	MINUTE MAID 211	183F	KC 130014	0.2	PcH	0	0	0	108	71	104	73	84	60	108	40	110	39	105	56	108	25	106	50
7	KC 220019	DOLLY 219	6153	KC 170023	0.0					109	72	103	73	91	62	119	44	82	41	100	58	95	24	99	51
8	KC 220020	DOLLY 220	WDW 170039	KC 150020	0.3					89	72	99	75	113	65	108	46	107	42	105	59				
9	KC 230001	ROSEBUD 301	KC 200006	KC 200005	13.2					84	85	120	85	118	81	95	80	139	65	106	78	110	78	108	78

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Polled HH: Horned, PcPc: Polled, PcH: Polled horn carrier	Myostatin nt821	Q204X	F94L	Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc									
Sorted on ID																										
										★★★★☆																
10	KC 230021	ROSEBUD 321	183F	KC 160006	0.1					103	67	97	72	95	47	116	29	101	31	107	49	102	20	107	43	
11	KC 240011	GRAND SLAM 411	KC 220003	KC 210005	7.3					95	64	118	69	100	43	88	29	107	25	101	47					
12	KC 240018	DOLLY 418	652D	KC 150020	0.2					104	70	118	73	101	56	91	38	105	38	108	55	109	20	109	48	
13	KC 240033	DOLLY 433	KC 200006	KC 210011	5.2					105	64	103	69	101	45	97	31	91	32	102	48					
14	KJA 240003	DORA	HVR 210015	KJA 170026	2.6					94	67	93	59	108	51	96	40	109	39	107	50	90	30	105	46	
										★★★★																
1	KC 160024	MINUTE MAID 624	WDW 100067	KC 070003	0.2					89	82	92	81	80	83	109	59	133	56	94	70	76	28	90	62	
2	KC 170020	MINUTE MAID 720	WDW 130120	KC 070003	0.7					88	81	99	80	81	82	126	57	102	53	92	69	86	24	90	60	
3	KC 170023	DOLLY 723	WDW 130120	KC 130028	0.8					102	82	94	80	98	82	103	56	77	51	92	68	94	24	92	59	
4	KC 200007	MINUTE MAID 007	652D	KC 160024	0.0					94	87	115	87	76	86	86	82	132	72	92	81	92	79	91	81	
5	KC 200012	BUTTERFLY 012	WDW 170039	KC 160014	0.2					76	77	91	77	124	73	97	53	128	45	98	64					
6	KC 200021	ROSEANNE 021	WDW 170039	KRM 160067	2.0					87	76	86	77	114	73	101	57	105	47	93	65	81	28	90	58	
7	KC 200038	ROSEBUD 038	WDW 170039	KC 130025	1.6					93	76	85	77	105	74	113	45	101	46	98	62	85	23	95	54	
8	KC 210030	BUTTERFLY 130	WDW 170039	KC 120019	1.0					79	75	85	76	105	70	112	47	112	47	91	62	76	24	87	54	
9	KC 220033	MINUTE MAID 233	WDW 170039	KC 130026	1.2					108	73	74	74	113	65	115	47	102	41	99	59	74	22	95	52	
10	KC 230003	BUTTERFLY 303	KC 200006	KC 200012	0.7					78	66	114	72	105	48	87	34	116	32	96	51					
11	KC 230009	MINUTE MAID 309	KC 200006	KC 200016	3.8					94	65	124	70	96	46	97	34	100	32	95	50					
12	KC 230017	BUTTERFLY 317	174E	KC 170022	0.1					94	68	103	71	97	54	100	43	98	39	95	55	95	34	94	51	
13	KC 230018	DOLLY 318	183F	KC 150020	0.2	PcPc	0	0	0	99	67	108	72	98	48	100	27	84	30	92	49	114	20	95	43	
14	KC 230019	DOLLY 319	174E	KC 170023	0.1					94	70	115	73	102	56	94	42	91	38	93	56	107	34	95	52	
15	KC 240013	ROSEANNE 413	WDW 190009	KC 200021	1.3					86	69	100	74	106	53	99	33	105	36	97	53	90	32	96	49	
16	KC 240015	ROSEBUD 415	WDW 190009	KC 150026	0.6					107	86	110	87	84	83	110	80	91	68	95	79	89	81	94	79	
										★★★★☆																
1	KC 160020	ROSEBUD 620	WDW 100067	KC 100016	0.4					72	89	102	89	96	89	92	83	109	75	84	83	90	78	83	82	
2	KC 190005	ROSEANNE 905	KC 170001	KRM 160067	1.8					98	77	78	77	114	75	101	52	83	44	81	64	82	25	79	56	
3	KC 190034	ROSEBUD 934	KC 170001	KC 090034	4.5					82	78	103	76	99	72	101	41	96	39	87	60					
4	KC 200018	DOWAGER 018	WDW 170016	KC 170035	1.6					94	76	91	76	90	72	125	54	77	45	88	64	84	21	85	55	
5	KC 230032	DOWAGER 332	KC 200006	KC 170035	2.3					87	68	122	72	89	51	83	36	87	34	80	52					

Selection List on Cow Value

Cows 2 years and older

ID		Name	Sire ID	Dam ID	% Inbreeding	Polled HH: Horned, PcPc: Polled, PcH: Polled horn carrier	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value								
Sorted on ID							nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc								
										★★★★																
6	KC 240010	ROSEBUD 410	WDW 190009	KC 190034	0.7						75	69	120	71	95	52	95	27	100	34	80	50	101	29	81	46
7	KJA 170026	DORA	SLM 130041	KJA 110043	1.0						69	81	113	79	105	80	77	62	97	57	83	70	97	37	83	63
										★★★																
1	KC 190027	MINUTE MAID 927	WDW 130120	KC 140002	1.4						74	77	114	74	79	70	107	46	97	45	72	61	99	25	73	54
2	KC 220016	ROSEBUD 216	183F	KC 160020	0.1	PcPc	0	0	0	🔍	85	70	102	73	89	58	87	39	79	39	74	55	105	24	76	49
										★★★																
1	KC 170035	DOWAGER 735	WDW 130120	KC 120020	0.8						81	81	110	79	87	80	85	57	70	48	67	68	98	24	67	59

Selection List on Cow Value

Bull Calves younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding HH: Horned, PcPc: Polled, PcH: Polled horn carrier	Polled nt821	Myostatin Q204X	F94L	Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
1	KC 250019	STEAD 519	156J	KC 180002	0.5												
1	KC 250001	STEADY HAND 501	156J	KC 210017	0.1												
2	KC 250016	HOMESTEAD 516	156J	KC 150020	1.2												
3	KC 250021	HISTORIAN 521	81E	KC 180014	0.9												
4	KC 250027	FULLY LOADED 527	WDW 200198	KC 210007	0.3												
1	KC 250013	JUSTICE 513	BH 220019	KC 160024	1.0												
2	KC 250018	LOCK N LOAD 518	WDW 200198	KC 160006	0.5												
3	KC 250029	LOAD BODY 529	WDW 200198	KC 200038	1.3												
4	KC 250033	WORK LOAD 533	WDW 200198	KC 210034	2.7												
1	KC 250005	CATALYST 505	WDW 190009	KC 150014	0.4	PcPc	0	0	0								
2	KC 250015	CATCHPHRASE 515	WDW 190009	KC 200021	1.3												
3	KC 250034	BASES LOADED 534	WDW 200198	KC 170023	1.0												
4	KC 250035	WORK LOAD 535	WDW 200198	KC 160020	0.8												
1	KC 250023	CATASTOPHIC 523	WDW 190009	KC 200018	1.7												
2	KC 250024	JUST CAUSE 524	BH 220019	KC 170035	0.7												

Selection List on Cow Value

Heifers younger than 2 years

ID	Name	Sire ID	Dam ID	% Inbreeding	Polled HH: Horned, PcPc: Polled, PcH: Polled horn carrier	Myostatin nt821	Q204X	F94L	Genomic tested	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value								
Sorted on ID										Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc								
										★★★★★															
1	KC 250026	MINUTE MAID 526	156J	KC 190002	1.0					127	63	102	68	125	38	108	20	102	24	133	43				
										★★★★★															
1	KC 250010	DOLLY 510	BH 220019	KC 220019	0.3					114	86	97	87	101	83	110	81	97	66	113	79	86	81	111	79
2	KC 250011	GRAND SLAM 511	81E	KC 210005	0.9					107	66	92	71	111	42	106	29	98	30	112	48				
3	KC 250032	BUTTERFLY 532	BH 220019	KC 160014	0.2					106	66	111	72	120	50	86	29	107	33	115	50				
										★★★★☆															
1	KC 250003	ROSEANNE 503	BH 220019	KC 220005	0.5					104	64	102	71	110	42	98	25	92	27	105	46				
2	KC 250004	DOLLY 504	BH 220019	KC 220011	0.4					101	64	106	71	97	42	107	24	100	29	104	46				
3	KC 250007	DOLLY 507	BH 220019	KC 220020	1.2					92	64	107	71	112	44	103	27	99	31	101	48				
4	KC 250009	BUTTERFLY 509	81E	KC 200012	0.1					99	66	83	72	121	44	107	31	106	33	101	49				
5	KC 250025	MINUTE MAID 525	BH 220019	KC 170020	1.2					92	67	103	72	98	50	116	32	97	35	100	51				
										★★★★															
1	KC 250008	MINUTE MAID 508	BH 220019	KC 200007	0.5					94	66	122	72	92	46	89	31	111	32	97	50				
2	KC 250012	ROSEANNE 512	156J	KC 190005	0.1					107	62	83	68	115	41	108	27	82	25	96	45				
3	KC 250022	BUTTERFLY 522	BH 220019	KC 210030	1.4					83	65	99	72	109	46	107	28	101	32	97	49				
4	KC 250030	MINUTE MAID 530	BH 220019	KC 150018	0.3					98	67	102	72	110	50	103	24	85	32	99	49				
										★★★★☆															
1	KC 250031	DORA 531	KJA 210024	KJA 170026	2.2					84	65	93	70	100	47	96	33	94	34	88	50	89	26	86	45
										★★★															
1	KC 250014	ROSEBUD 514	BH 220019	KC 220016	0.4					84	86	114	87	100	83	90	81	75	66	77	79	113	81	80	79
2	KC 250028	MINUTE MAID 528	WDW 190063	KC 190027	1.5					79	67	113	72	78	48	95	33	96	35	72	51	103	38	74	48

Notes on the interpretation of EBVs, EBVi's, sub-values and selection values

EBVi (EBVindex) is the breeding value index and is easier to interpret than the breeding value, especially for commercial farmers buying from stud farmers. The base of a breeding value index is 100, which is the average of all the live animals in the breed, and all values are expressed relative to this value. Values above 100 are always in a more desirable direction: an index of 105 for AFC indicates a genetic potential to calve earlier. Note that a very high index is not always desirable. For certain traits, such as birth weight, average values can be better.

EBV: (Estimated Breeding Value) indicates the genetic potential of the animal for a specific trait. It is presented in the unit of measurement and relative to the average of animals born in the base year (1990 for most breeds and traits). Higher values for certain traits are better while lower values for other traits are better, for example, an EBV of -2 for AFC (age at first calving) indicates that the animal has the genetic potential to calve 2 days earlier than the average heifer in 1990 (the base year). Earlier calving is better and therefore low breeding values (high breeding value indices) are better. For weaning weight, higher values are better.

Sub-values combine similar breeding values in a scientific manner to simplify the selection of animals. For example, AFC (age at first calving) and ICP (inter-calving period) are combined to form the sub-value Fertility by taking the heritability and economic importance in consideration. The sub-value is expressed in an index format, thus an animal with a sub-value of 110 for Fertility will genetically be above average compared to the live animals in the breed.

Selection Values (Cow Value and Growth Value) combine the sub-values into a single value. This gives a quick and easy indication of the combined genetic value of an animal compared to the breed. It is advised to still look at the sub-values to see where the strengths and weaknesses lie.

How to use breeding values to select animals

Selecting animals on breeding values is easy if you know how. There is a common saying that “good nutrition can mask poor breeding”. This is very true. If an animal that is genetically inferior is fed well, it can appear as a great animal. This great performance will not be passed over to future generations. An animal that is genetically superior can appear to be inferior if its environment did not allow it to reach its true potential. It is best to select animals that are most adapted to the environment and can reach their full potential. To continuously adapt the environment to the animal can be expensive.

The reason why the use of breeding values is such a valuable tool is because it “removes” the environmental effect that contributes to the performance.

Scientific methods are used to determine how much of the performance is due to genetics and to identify genetically superior animals. This involves the measurement of animals under controlled environments, complete record keeping and pedigree information. *If performance recording and pedigree information are not done correctly, breeding values of these animals will not be useful.* Keep in mind that breeding is a long-term option: the effect of a bull selected/bought today will only show much later. If it is a good decision, his daughters will become part of the breeding herd and contribute to overall profitability in future.

Even if a bull is not perfect in all aspects, knowing the shortcomings will allow strategic selection with suitable cows. Traits are genetically correlated, meaning that a change in one trait can lead to a change in another. This change can be favourable or unfavourable. An increase in weaning weight can lead to an increase in birth weight, which can lead to calving difficulty. It is therefore advisable to not only select on a single trait. Take other traits in consideration to avoid negative effects.

How to improve the herd genetically

The first and most important aspect is to know what type of animal will improve the herd genetically. This can be determined through the following factors:

What happens to the calves? For example: used as replacement heifers, sold as stud animals or sold to commercial breeders who sell weaner calves.

How much feed is available? The availability of feed (or the hardness of the environment) determines the optimal frame size. If feed is abundant and the environment is less harsh, larger animals would be ideal. If not, medium framed animals would be ideal.

What is the genetics of the cow herd? Are they the wrong frame type, grow too slowly, do not have enough milk, etc.? Always aim to breed a calf that is superior to its dam.

Conclusion

Different types of bulls are suitable for different types of cows, environments and breeding objectives. Inbreeding should be avoided or limited as much as possible. Mating programs are available to aid in the pairing of bulls and cows.

The data used for this evaluation is pedigree information and performance data found on LOGIX as provided by breeders. All attempts are made to present accurate information. SA Stud Book takes no responsibility for the use and interpretation of information presented in this report.

