

BEEFMASTER

GENOMIC BREEDING VALUE REPORT

September 2026



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BEEFMASTER
CATTLE BREEDERS' SOCIETY OF SA
BEESTELERSGENOOTSAP VAN SA



EBVs, EBVi's and GEBVs

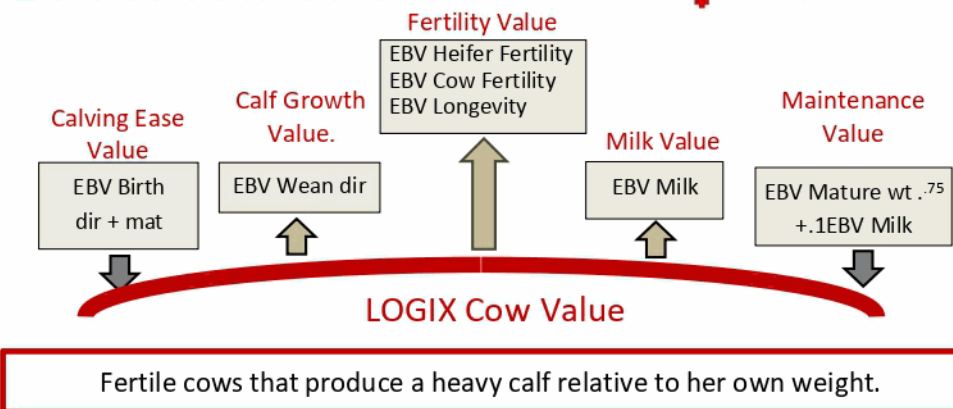
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

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)

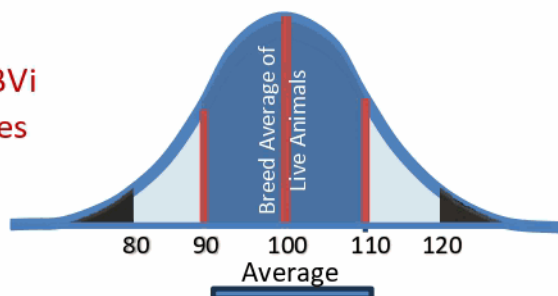
- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

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

Contemporary Groups

The correct composition of contemporary groups is one of the cornerstones of BLUP breeding value estimation. Breeding values are estimated from the differences between animals exposed to the same environment, ***as these differences are caused by genetics***. The following aspects are important:

1. Animals at the same time, place and treatment

A contemporary group is a comparable group of animals measured at the same time in the same environment. It is therefore a comparable group of animals that were together on the same farm or camp in the same year and season. If there are animals in the group that were treated differently, they should be given a separate treatment code because their performance is influenced by other environmental influences than the rest of the group. Examples of possible different treatments are when some animals received supplements or creep feed, sale or show animals, embryo donors, sick or foster calves or even purchased cows and calves. If bull and heifer calves or older cows and young heifers were in the same camp, they should be placed in the same group – corrections for sex, age and first calving of cows are automatically made during breeding value estimation.

2. Progeny of at least two sires, of which one is a link sire

The progeny of different sires needs to be compared in the same group in order to determine the sires' genetic merit relative to each other. At least one sire should be a link sire with progeny in other herds. Genetic links between herds are used to determine the position of sires in the breed. All sires are good link sires. Smaller herds could artificially inseminate some cows or allow some cows to be covered by another herd's bull.

3. Larger groups stabilise Breeding Values

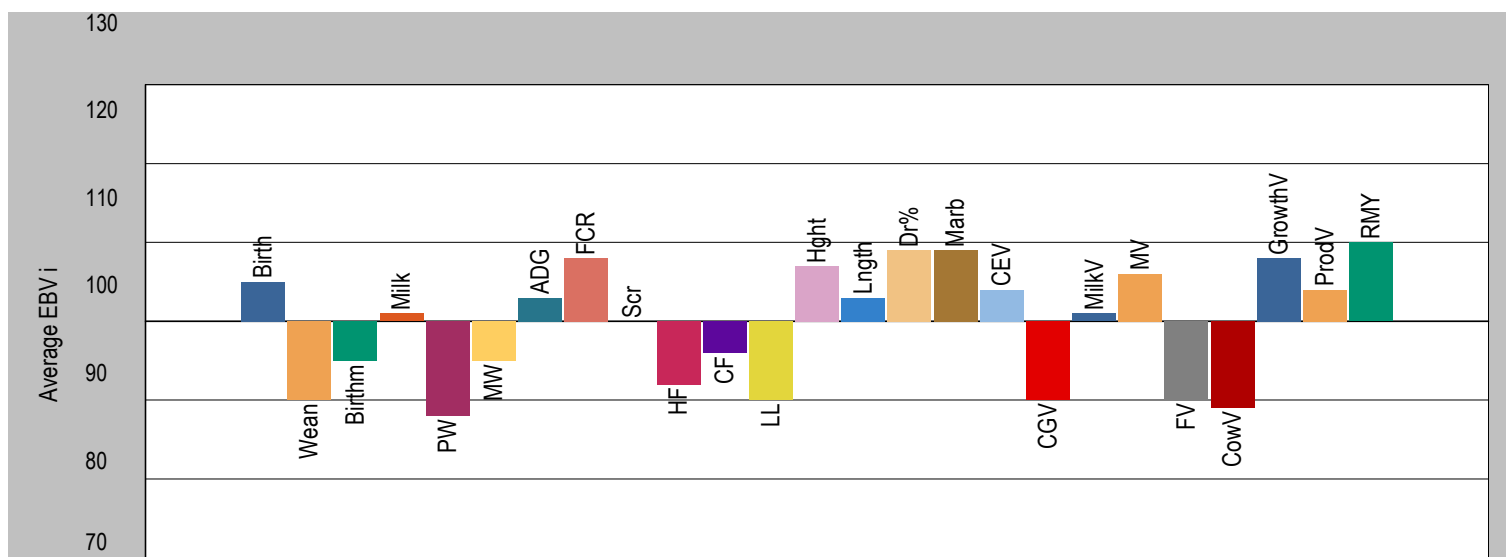
Larger groups result in more accurate and stable breeding values, as the mean and distribution of the group can be more accurately determined and are thus more representative. Groups should preferably have more than 5 animals. Weigh all the animals in the same group on the same day, as corrections for age differences are made during genetic evaluation. The use of breeding seasons rather than through the year calving will also increase contemporary group size. Groups with less than 3 animals are not included in breeding value estimation. An accidental mistake in a small group affects the animal itself, its family, all the other animals in the group and their families. The effect could be much less in large groups.

4. Measure all animals in the contemporary group

Weigh ALL the animals in the contemporary group, the good as well as the poor performers. Weigh animals before they are culled, so their parents can be penalized for their poor breeding.



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	Lngth:	Length
ADG:	Average Daily Gain	EMA:	Eye Muscle Area
FCR:	Feed Conversion Ratio	RMY:	Carcass Value
		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
Prewean Growth	Birth Weight	-0.11	105	0.34
	Wean Weight	6.4	90	12.1
	Birth Mat.	0.16	95	-0.05
	Milk (Wn.Mat.)	-1.0	101	-1.4
Postwean Growth	Postwean Wt	9.7	88	19.0
	Mature Weight	1	95	7
	ADG	84	103	72
	FCR	-48	108	-39
Fertility	Scrotal Circumf.	10.8	100	11.1
	Heifer Fertility	-1.0	92	-7.5
	Cow Fertility	-3.3	96	-4.1
	Longevity	8.4	90	14.8
Frame	Height	6	107	1
	Length	16	103	13
Carcass	EMA	1.75	109	0.85
	Fat	0.38	105	0.11
	Marbling	0.80	109	0.30

Selection Value	Ave. Herd
Calving Ease	104
Calf Growth	90
Milk	101
Maintenance	106
Fertility	90
Cow Value	89
Growth Value	108
Production Value	104
Carcass Value	110

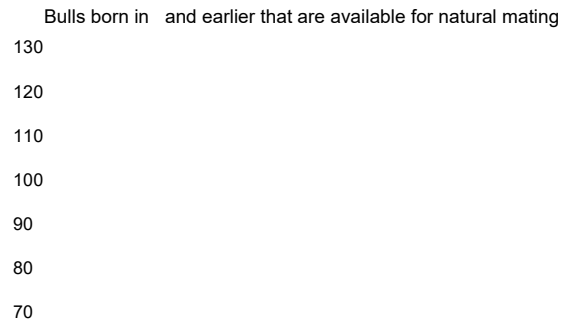
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

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

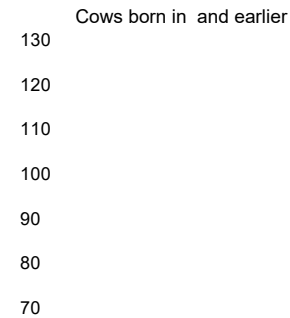
Genetic Windows

Bulls on the farm



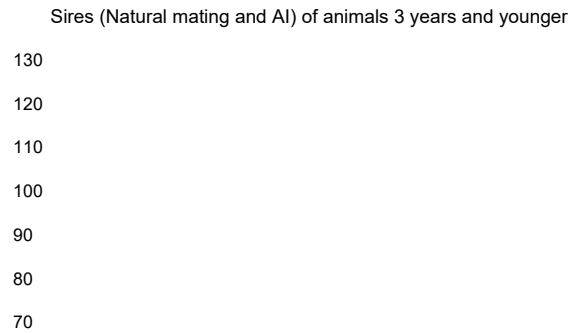
Animals available for breeding

Total:



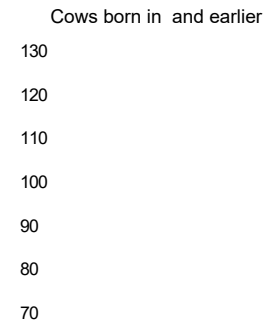
Total:

Sires of young animals



Results of previous selection decisions

Total:

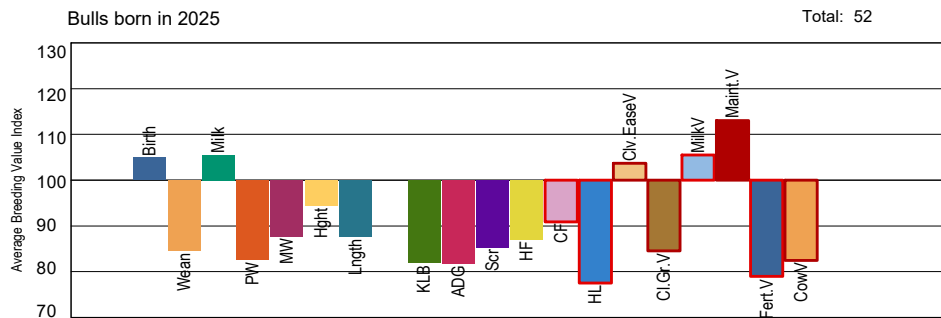


Total:

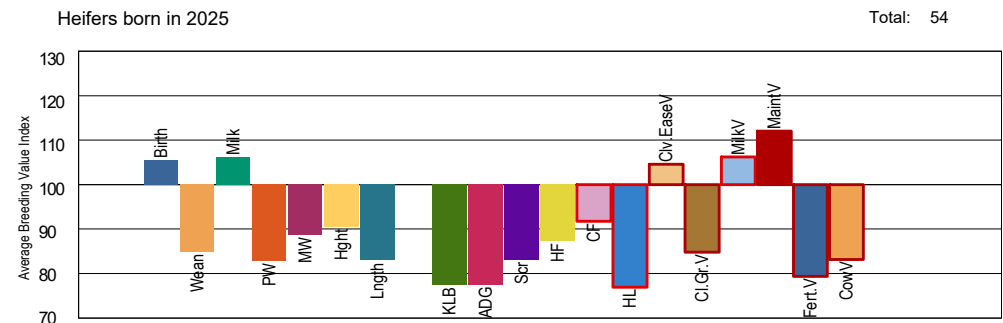
Cows older than 6 years

Selection possibilities

Bull calves



Heifer calves

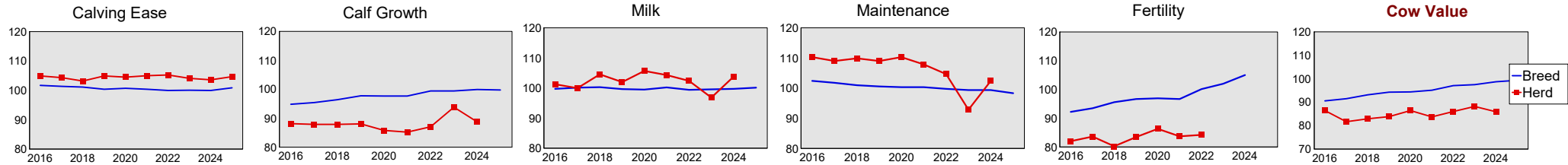


Summary of Cow Herd

			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	100	99	99	99	99	99	99	100	100	100	99	99
2010	1		111	77	84						115	77	85	84	76					100		96			
2011	5	★★★★☆	96	93	111	101	78	87			100	93	86	111	92	98				91	86	88			
2013	8	★★★★☆	115	78	97	118	95	87			114	78	97	97	76	83	59	63	67	97	90	101	66	59	
2014	6	★★★★	102	87	102	108	95	90			104	87	92	102	86	91	75	75	77	101	99	93	88	80	
2015	6	★★★★	99	85	109	110	96	94			103	85	88	109	83	91	68	68	73	94	95	100	82	72	
2016	7	★★★★☆	112	86	93	108	86	84			110	86	106	93	86	92	87	88	90	95	88	91	99	89	
2017	15	★★★★☆	107	85	101	106	91	84			109	85	91	101	84	95	89	93	90	97	95	96	87	87	
2018	9	★★★★	104	88	109	105	87	90			105	88	94	109	86	95				88	93	96			
2019	12	★★★★☆	106	82	109	123	89	103			108	82	92	109	82	77				89	93	97			
2020	17	★★★★☆	105	86	100	108	88	85			107	86	92	100	84	92	80	80	84	90	94	92	92	85	
2021	27	★★★★☆	107	84	104	111	86	86			107	84	96	104	82	89	82	84	90	89	92	89	97	90	
2022	38	★★★★☆	104	86	106	112	85	88			105	86	94	106	84	88	74	75	85	89	93	86	93	84	
2023	50	★★★★☆	105	98	88	93	101	88			107	98	92	88	88	109	100	99	93	98	103	101	112	104	
2024	51	★★★★☆	101	88	106	111	82	86			103	88	95	106	86	89	75	76	81	86	92	83	86	79	
2025	54	★★★★☆	105	85	106	112	79	83			106	85	95	106	83	89	78	78	83	87	92	77	91	83	
Cows in Herd Average:			105	86	102	109	88	88			107	86	93	102	84	91	79	80	83	93	93	92	90	83	

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.



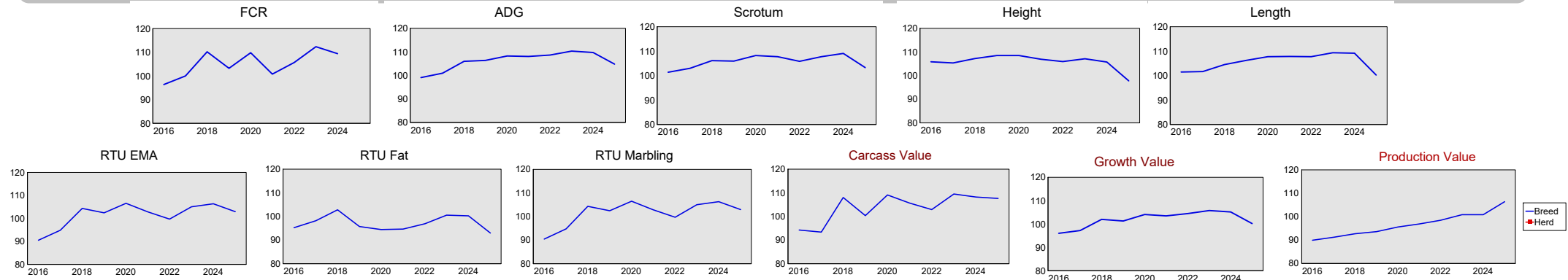
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility								Cow Value
	Birth Weight		Calv. Ease	Mat EBV	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility				
	Number	Dir EBV			Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV		
2016	49	-0.04	-0.03	105	34	5.2	88	34	-1.06	101	31	7.9	12	-10	110	15	1.6	12	-2.3	47	-0.2	82	86		
2017	50	-0.06	0.06	104	37	5.1	88	37	-1.41	100	29	9.6	13	-10	109	13	-1.3	12	-3.0	48	-1.1	84	82		
2018	39	0.00	0.13	103	37	5.1	88	37	-0.15	105	27	7.3	12	-2	110	13	5.0	10	-2.1	39	1.4	80	83		
2019	47	-0.08	0.02	105	47	5.2	88	47	-0.88	102	41	8.9	10	-7	109	16	0.8	8	-3.8	36	0.2	83	84		
2020	163	-0.14	0.16	104	103	3.9	86	103	0.18	106	83	6.9	34	-5	110	22	2.0	14	-2.7	138	-0.2	86	86		
2021	175	-0.16	0.14	105	172	3.5	85	172	-0.22	104	97	8.1	40	-4	108	42	2.0	36	-2.1	149	-0.2	84	84		
2022	174	-0.18	0.14	105	174	4.6	87	174	-0.74	102	120	9.0			105	43	1.9					84	86		
2023	175	-0.11	0.19	104	173	8.5	94	173	-2.31	97	97	17.9			93								88		
2024	174	-0.06	0.14	104	171	5.6	89	171	-0.35	104	103	12.6			102								86		
2025	182	-0.13	0.15	105																					

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility						Cow Value			
	Birth Weight		Calv. Ease	Mat EBV	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Mainte-nance	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	13219	0.14	0.07	102	12679	9.1	95	12679	-1.48	100	8440	15.3	1794	3	102	3547	-3.4	2382	-3.3	17317	7.0	92	91	
2017	13995	0.13	0.10	101	13543	9.5	95	13543	-1.37	100	9155	16.1	1876	5	102	3705	-3.9	2610	-3.3	17744	7.7	93	92	
2018	14638	0.19	0.05	101	14085	10.0	96	14085	-1.34	100	9471	16.9	2043	6	101	3752	-4.9	2671	-3.5	18478	8.4	96	93	
2019	14156	0.27	0.02	100	13892	10.8	98	13892	-1.52	100	9219	18.0	2528	6	101	4491	-5.8	3152	-3.8	18218	9.0	97	94	
2020	15148	0.25	0.00	101	15376	10.8	98	15376	-1.55	99	10390	17.9	2588	6	100	4524	-5.8	3018	-3.8	19306	9.7	97	94	
2021	16009	0.27	0.04	100	16004	10.8	98	16004	-1.35	100	10852	18.0	2635	6	100	4750	-5.2	2794	-3.8	18490	8.9	97	95	
2022	17601	0.32	-0.01	100	16942	11.8	99	16942	-1.58	99	11576	19.5	2295	8	100	4355	-6.7	1065	-4.2	8636	9.8	100	97	
2023	18573	0.32	-0.02	100	18307	11.8	99	18307	-1.53	100	11750	19.7	741	11	99	2183	-7.2	100	-4.8			102	98	
2024	18117	0.35	-0.05	100	16963	12.1	100	16963	-1.48	100	9904	20.0	3	6	99	166	-7.7					105	99	
2025	17947	0.27	-0.03	101	15468	12.0	100	15468	-1.38	100	2468	22.0			98								99	
2026	5644	0.19	0.00	102	192	13.1	102	192	-1.95	98													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			
2017																									
2018																									
2019																									
2020																									
2021																									
2022																									
2023																									
2024																									
2025																									

Breed

Birth Year	Growth									Frame						Carcass						Selection Values				
	FCR			ADG			Scrotum			Height			Length			RTU		EMA		Fat		Marbling		Cracss Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	EBV	EBVi	EBV	EBVi				
2017	62	-38	100	1015	76	101	979	12.8	103	953	4	105	953	15	102	101	0.00	91	0.00	98	0.00	95	93	97	91	
2018	16	-50	110	835	94	106	830	14.6	106	830	6	107	830	18	105	33	1.18	103	0.28	103	0.55	104	108	102	93	
2019	13	-43	103	772	95	106	773	14.5	106	767	6	108	766	19	106	32	0.58	97	-0.14	96	0.44	102	100	101	94	
2020	15	-50	110	1035	102	108	1026	15.8	108	960	6	108	960	21	108	60	1.56	107	-0.22	94	0.67	107	109	104	96	
2021	20	-40	101	1162	102	108	1151	15.5	108	1048	5	107	1048	21	108	148	1.41	106	-0.20	95	0.46	103	106	104	97	
2022	20	-45	106	1222	104	109	1266	14.4	106	1115	5	106	1115	21	108	147	1.11	103	-0.08	97	0.28	100	103	104	99	
2023	10	-52	112	1270	110	110	1263	15.5	108	1127	5	107	1127	22	109	250	1.52	107	0.14	101	0.58	105	109	106	101	
2024	11	-49	109	918	108	110	945	16.3	109	790	5	106	790	22	109	127	1.57	107	0.12	100	0.66	106	108	105	101	
2025				54	90	105	58	13.0	103	58	0	98	58	14	100	25	1.70	109	-0.30	93	0.47	103	108	100	106	
2026																										

Sires

Bull				Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny			
ID	Index EBV Acc	Sire ID	Dam ID	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	Grwth	Value	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight					Fertility	Fertility	ty						Test
BA 150135		BA 100010	BA 100308	85	122	138	94	116	140	114	136	98	122	57	138	131	102	117	105	125	135	114	92	149	132	121	118	146	139	129	
BA15-0135				97	97	95	94	94	87	94	88	0.47	25.0	1.65	9.3	42.8	9	134	-44	25.6	-34.8	-6.9	10.1	30	44	2.96	1.15	2.93	1	24	30
BC 181075		X 090138	X 110087	102	135	50	67	128	102	111	100	106	135	87	50	118	147	127	126	102	117	130	119	134	131	124	120	121	71	70	
BC181075				93	94	87	82	84	81	82	81	94	94	88	87	92	82	82	82	82	83	82	87	82	82	82	82	82	82	1	1
BC 191020		BA 150135	X 070048	76	128	112	84	107	113	128	113	79	128	97	112	140	115	130	122	123	107	107	103	144	134	129	126	132	14	14	
BC191020				87	88	84	81	82	77	80	78	88	88	84	84	86	81	80	79	81	82	80	84	80	80	80	80	80	80		
BOS 033210		1175	BOS 000537	99	119	90	74	96	90	123	91	96	119	109	90	120	132	125	110	100	89	96	104	142	136	127	87	147	51	218	
BOS 03 3210				95	98	97	84	88	85	53	79	0.64	22.9	-0.40	-4.1	34.5	44	162	-50	11.0	0.8	-3.3	17.5	26	48	3.51	-0.68	2.97	1	75	359
CM 200018		X 120105	CM 100110	127	116	95	86	107	120	107	116	132	116	80	95	128	114	115	109	118	96	118	104	120	117	114	102	113	28	24	
CM2018				91	92	88	86	87	81	85	82	92	92	89	88	90	86	85	85	85	87	85	89	85	85	85	85	85	85		
HS 200152		HS 170147	HS 150022	89	120	122	101	111	132	101	125	92	120	91	122	119	96	103	84	125	82	120	121	107	124	100	79	120	5	5	
HS200152				87	88	85	84	84	78	84	79	88	88	85	85	86	84	87	81	89	84	82	85	89	88	87	86	85	2		
-M 200132		-M 140019		75	115	114	92	95	98	111	96	57	115	131	114	113	105	120	123	114	100	99	91	118	111	112	91	110	31	17	
20132				90	89	85	83	84	79	82	80	91	89	85	85	88	83	82	82	82	83	82	86	82	82	82	82	82			
-M 200154		GH 140021	-M 110063	106	100	104	99	97	101			102	100	108	104	113	98	102		103	107	88	100	94	92	100	89	85	4	4	
20154				65	68	50	20	35	45			0.15	12.3	-0.36	-0.2	28.9	5	78		12.8	-13.3	-1.6	14.7	-2	6	0.88	-0.52	-0.58			
-M 210030				123	87	100	100	92	92			121	87	98	100	90	98				90	95	98						1	1	
-M 210030		-M 150069		50	54	37	16	17	33			-1.42	4.4	0.04	-1.4	11.1	5				0.7	-3.0	13.7								
-M 210047				105	92	107						105	92	97	107	93						97							2	2	
-M 210047		-M 140063		52	57	35						-0.06	7.7	0.05	0.5	13.5						13.1									
-M 210058				92	109	97	94	92	91			93	109	98	97	106	104				85	103	94						1	1	
-M 210058		-M 150001		54	58	40	22	25	38			58	58	38	40	55	22				25	14	36								

Sires

Bull				Selection Values								Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID	Dam ID	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	Grwth	Value	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight					Fertility	Fertility	ty						Grwth
Name				Value	Value																								Test		
MX 211012		BA 100010	-M 180086	116	98	105	91	89	94	90	88	120	98	83	105	96	107	100	105	91	105	85	88	134	114	103	114	97	2	2	
MX211012				62	66	50	39	43	49	32	46	66	66	49	50	48	39	35	27	6.2	-11.3	-1.1	7.6	21	27	1.14	0.95	0.14			
																				44	44	30	55	38	37	30	27	27			
MX 211018		BA 100010	-M 180067	81	107	115	91	91	92	90	86	89	107	82	115	108	106	100	105	91	105	85	92	134	114	103	114	97	1	1	
MX211018				61	64	50	39	43	48	32	45	64	64	49	50	48	39	35	27	6.2	-11.0	-1.1	9.8	21	26	1.12	0.94	0.14			
																				44	44	30	54	38	37	30	27	27			
PB 180128		PB 160047	PB 150201	96	114	59	102	104	88	82	80	91	114	122	59	121	99	91		112	96	103	110	88	89				8	8	
PB180128				69	74	59	33	42	52	22	46	74	74	53	59	62	33	38		18.0	-4.4	-4.6	21.2	-5	3						
																				41	43	26	58	41	40						
SPB 170099		SPB 140115	SPB 100197	114	120	73	89	100	100	117	99	111	120	104	73	120	112	126	122	126	102	92	108	138	126	125	119	122	8	8	
SPB170099				74	78	62	47	52	58	44	55	78	78	62	62	67	47	67	14	25.7	-8.9	-2.4	19.6	23	38	3.31	1.22	1.52			
																				74	54	36	66	76	73	14	12	12			
X 090138		X 030053		96	141	60	75	110	100			99	141	93	60	132	133	126		112	97	113	113	134	134				11	8	
X 090138				70	74	38	7	29	42			0.43	35.7	0.24	-12.8	43.9	45	168		18.0	-5.1	-6.6	22.8	21	46						
												77	74	44	38	58	7	5		5	16	6	65	6	5						
X 120105		X 020006		99	114	100	89	112	112	103	107	109	114	68	100	114	111	111	107	113	108	126	95	112	112	108	109	112	164	112	
X120105				97	97	94	93	94	87	92	88	98	97	95	94	96	93	92	92	18.8	-14.0	-9.4	11.4	8	25	1.69	0.62	0.98			
																				92	94	92	95	92	92	92	92	92		13	26

Breeding Values and Accuracies: Bulls

Green: >120 High
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Inbreeding in red is high

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Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	ID Number Name	% 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
BC 181075 88521760 BC181075	X 090138 X 110087			102 93	135 94	50 87	67 82	128 84	102 81	111 82	100 81	128 82	106 -0.17 94	87 0.45 88	147 60 82	135 32.1 94	50 -15.4 87	79 -8 88	118 32.8 92	127 169 82	126 -67 82	102 12.2 82	117 -20.6 83	130 -10.1 82	119 26.7 87	134 21 82	131 43 82	124 3.19 82	120 1.25 82	121 1.46 82
BC 191020 90126525 BC191020	BA 150135 X 070048			76 87	128 88	112 84	84 81	107 82	113 77	128 80	113 78	132 80	79 2.07 88	97 0.07 84	115 24 81	128 28.2 88	112 1.9 84	129 111 84	140 49.9 86	130 181 80	122 -63 79	123 24.1 81	107 -12.6 82	107 -5.5 80	103 16.9 84	144 27 80	134 46 80	129 3.67 80	126 1.64 80	132 2.13 80
-M 190040 90051715 -M 190040	X 050009 -M 050009			104 89	108 89	91 86	112 85	94 85	104 80	110 84	102 81	108 84	98 0.52 89	120 -0.86 87	90 -4 85	108 16.6 89	91 -4.1 86	103 50 87	105 22.9 88	114 122 84	110 -50 84	103 12.7 84	92 -1.1 85	95 -3.0 84	101 15.5 87	101 2 84	104 17 84	110 1.85 84	109 0.63 84	107 0.72 84
CM 200018 90555491 CM2018	X 120105 CM 100110			127 91	116 92	95 88	86 86	107 87	120 81	107 85	116 82	115 85	132 -2.30 92	80 0.72 89	114 23 86	116 21.6 92	95 -2.8 88	105 55 89	128 40.8 90	115 128 85	109 -49 85	118 21.6 85	96 -4.5 87	118 -7.6 85	104 17.0 89	120 13 85	117 30 85	114 2.18 85	102 0.20 85	113 1.06 85
-M 210030 93359875 -M 210030	-M 150069			123 50	87 54	100 37	100 16	92 17	92 33				121 -1.42 55	98 0.04 33	98 5 16	87 4.4 54	100 -1.4 37	85 6 36	90 11.1 51			90 0.7 11	95 -3.0 5	98 13.7 34						
-M 210058 93357929 -M 210058	-M 150001			92 54	109 58	97 40	94 22	92 25	91 38				93 0.93 58	98 0.01 38	104 12 22	109 17.5 58	97 -2.1 40	104 52 40	106 23.8 55			85 4.0 25	103 -4.6 14	94 11.0 36						
-M 210160 93371714 -M 210160	-M 150060			92 48	90 51	113 36							95 0.74 52	92 0.27 32		90 6.4 51	113 2.2 36		89 10.8 48					89 7.7 29						
BC 225042 95557054 BC225042	SPB 170099 BC 175058			110 80	116 81	104 79	83 76	97 77	107 72	113 77	105 73	122 76	111 -0.61 81	92 0.27 78	118 28 76	116 21.3 81	104 -0.4 79	109 64 79	115 31.0 79	122 153 77	119 -59 76	124 25.1 78	96 -4.1 77	94 -3.0 76	105 17.9 79	123 15 78	122 34 78	122 2.97 76	110 0.69 76	121 1.49 76
-M 220004 94832656 -M 220004	BC 181075 -M 180009			98 83	130 84	76 80	73 78	118 79	106 74	127 78	107 75	138 77	100 0.32 84	93 0.21 80	134 46 78	130 29.3 84	76 -8.0 80	96 33 81	122 36.2 83	137 207 78	133 -75 77	115 19.6 78	105 -11.5 78	125 -9.0 78	111 21.6 81	139 24 78	139 50 78	129 3.70 77	118 1.14 77	122 1.57 77
-M 230014 96974209 23 014	BC 181075 -M 110062			97 59	109 62	83 43	83 9	111 22	92 37				101 0.24 64	87 0.47 43	119 29 9	109 17.1 62	83 -6.1 43	87 11 38	105 23.1 60	101 74 6		93 6.9 6	107 -13.2 14	108 -5.6 9	111 21.5 42	114 9 6	105 18 6			
-M 230019 96974241 23 019	-M 200154 -M 150007			101 58	109 61	107 47	90 28	97 31	102 42				102 0.17 62	95 0.16 44	109 17 28	109 17.2 61	107 0.5 47	109 63 45	118 32.8 56	107 96 12		108 15.5 12	91 -0.8 32	96 -3.2 18	107 19.1 42	110 7 12	106 19 12	103 1.17 5		
-M 230025 96974308 23 025	BC 181075 -M 190045			106 83	120 84	67 80	80 78	108 79	92 74	101 78	89 75	109 78	106 -0.17 84	96 0.12 80	125 36 78	120 23.6 84	67 -10.8 80	83 2 81	114 30.2 83	109 106 78	107 -47 78	105 13.7 78	103 -10.0 78	109 -5.8 78	106 18.8 81	113 9 78	110 23 78	110 1.88 78	111 0.73 78	113 1.02 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	
-M 230031 96974399 23 031		-M 200132	-M 170061	80 58	108 59	108 41	88 17	99 21	92 37				79 2.04 62	107 -0.31 42	110 19 17	108 16.7 59	108 0.9 41	109 62 39	109 26.3 56				100 -7.6 19	94 -2.8 8	106 18.4 36						
-M 230043 96974506 23 043		-M 200154	-M 200140	98 80	106 81	99 77	113 76	95 77	105 72	94 75	99 73	92 75	96 0.66 81	105 -0.25 77	89 -5 76	106 15.8 81	99 -1.8 77	109 64 78	113 29.0 80	97 62 75	95 -34 75	103 13.1 75	102 -9.3 77	94 -2.9 75	95 11.6 78	91 -4 75	88 2 75	94 0.25 75	95 -0.20 75	104 0.53 75	
-M 230050 96974571 23 050		PB 180128	-M 170081	97 55	111 57	61 43	102 17	97 25	83 37				97 0.57 59	101 -0.09 39	98 5 17	111 18.7 57	61 -12.4 43	79 -9 39	118 33.0 51	86 20 19		100 11.2 20	95 -3.7 22	95 -3.1 13	104 17.1 41	94 -2 21	87 1 20				
-M 230052 96974597 23 052		BC 181075	-M 140027	83 63	124 67	83 50	74 29	118 32	98 45				91 1.11 67	80 0.74 48	133 45 29	124 26.0 67	83 -6.1 50	96 33 49	117 32.2 63	115 128 6		104 13.6 6	108 -13.3 32	121 -8.3 19	114 23.2 45	128 18 6	123 35 6				
-M 230068 96974753 23 068		PB 180128	-M 140025	102 59	104 62	71 49	96 30	104 33	87 44				101 0.27 63	102 -0.12 46	103 11 30	104 14.5 62	71 -9.4 49	78 -10 47	112 28.0 56	81 1 19		95 8.4 20	105 -11.3 35	103 -4.6 19	103 16.4 44	87 -6 21	82 -4 20				
-M 230082 96974886 23 082		BC 181075	-M 190111	106 61	115 65	78 44	87 26	110 28	100 42				105 -0.10 66	99 -0.01 44	114 24 26	115 20.5 65	78 -7.5 44	90 19 45	110 27.1 62	101 75 6		92 6.3 6	104 -10.8 29	112 -6.5 14	107 19.2 42	110 7 6	105 18 6				
-M 230084 96974902 23 084		CM 200018	-M 170084	117 83	117 83	73 81	95 79	105 79	106 74	97 78	100 75	102 78	116 -1.01 84	96 0.10 81	104 12 79	117 21.9 83	73 -9.0 81	92 24 81	123 36.9 82	103 81 78	99 -38 78	93 7.0 78	106 -12.1 79	105 -5.1 78	102 15.8 81	101 2 78	101 14 78	104 1.22 78	103 0.27 78	106 0.61 78	
-M 230091 96975008 23 091		-M 200010		99 47	96 52	108 28	99 17	80 20	83 31				97 0.61 53	106 -0.30 27	98 5 17	96 9.8 52	108 0.7 28	101 45 32	98 17.4 48			79 9.0 25	93 -2.7 7	82 3.8 28							
-M 230094 96974985 23 094		MX 211018	-M 200095	79 53	106 57	121 38	90 32	88 29	90 39			100 14	86 1.52 58	86 0.51 36	107 16 32	106 15.7 57	121 4.4 38	118 85 42	110 26.9 50	100 73 17	109 -49 13	98 9.8 22	96 -4.5 32	85 -1.0 17	93 10.7 38	127 17 19	112 25 18	97 0.55 15	101 0.17 14	90 -0.25 13	
-M 230122 96975297 23 122		CM 200018	-M 150070	111 83	120 83	80 81	92 78	104 79	107 74	104 78	103 75	107 78	112 -0.68 83	93 0.24 81	108 16 78	120 23.5 83	80 -6.9 81	100 41 81	129 41.7 82	108 102 78	99 -38 78	105 13.7 78	98 -5.8 79	107 -5.4 78	105 17.9 81	109 7 78	109 22 78	108 1.60 78	105 0.42 78	110 0.85 78	
-M 230124 96975313 23 124		CM 200018	-M 150072	122 58	104 60	96 45	99 23	100 29	109 41				122 -1.49 62	92 0.27 45	99 6 23	104 14.4 60	96 -2.6 45	99 40 43	113 28.9 55	94 51 6		100 11.3 7	94 -2.9 29	100 -4.0 15	107 19.1 44	106 5 6	97 11 6				
-M 230137 96975438 23 137		CM 200018	-M 180071	123 57	107 60	96 45	94 17	100 28	110 39				123 -1.57 61	92 0.25 44	104 12 17	107 16.1 60	96 -2.4 45	101 44 41	117 32.1 56	97 62 6		103 12.6 7	96 -4.0 26	102 -4.6 15	103 16.8 43	109 7 6	101 14 6				

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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																														
-M 230149 96975834 23 149		-M 200073		95 79	114 79	110 77	84 76	88 76	95 71	104 75	92 72	109 75	91 1.08 80	113 -0.58 76	116 25 76	114 20.2 79	110 1.4 77	113 74 77	114 29.6 78	108 100 75	103 -42 75	112 17.9 75	90 0.4 76	90 -2.1 75	95 11.4 76	112 9 75	113 26 75	109 1.77 75	107 0.53 75	106 0.62 75
-M 230165 96975701 23 165		-M 200154 -M 170028		102 82	107 82	94 80	92 78	97 78	96 73	113 77	94 74	105 77	99 0.39 83	108 -0.38 80	107 15 78	107 16.4 82	94 -3.1 80	98 38 80	114 30.2 81	113 118 77	105 -45 77	106 14.3 77	109 -14.3 78	90 -2.1 77	98 13.8 80	100 1 77	101 15 77	108 1.59 77	94 -0.23 77	102 0.40 77
-M 230166 96975719 23 166		PB 180128 -M 180044		105 56	104 61	79 45	102 29	83 30	80 42				101 0.22 61	109 -0.40 40	97 4 29	104 14.2 61	79 -7.3 45	86 9 45	107 24.3 52	90 37 19		103 13.0 20	82 6.6 32	87 -1.5 18	93 10.3 41	97 0 21	93 7 20			
MX 230134 97365118 23 0134	4 	HS 200152 HS 200200		85 85	116 85	112 83	107 82	118 82	129 76	100 82	123 77	104 82	90 1.14 86	88 0.40 83	93 -1 82	116 21.3 85	112 2.0 83	130 112 83	119 33.9 83	101 76 83	85 -23 81	115 19.6 84	97 -5.4 82	123 -8.7 81	119 26.7 83	84 -8 84	107 20 84	100 0.90 83	90 -0.47 82	112 0.99 82
-M 240002 98371867 24 002		BC 191020 -M 110017		84 60	113 62	111 47	90 20	90 29	95 41			109 12	89 1.27 64	90 0.36 46	109 17 20	113 19.8 62	111 1.7 47	117 83 43	118 32.8 58	110 110 17	112 -53 7	109 16.4 21	89 1.2 27	94 -2.9 16	95 12.0 44	126 17 16	116 29 16	105 1.34 12	106 0.45 11	106 0.63 11
-M 240003 98371875 24 003		BC 181075 -M 140008		112 59	105 63	67 45	88 13	111 23	89 39				113 -0.78 64	90 0.36 43	114 23 13	105 15.0 63	67 -10.7 45	72 -24 40	96 16.3 60	94 51 6		87 3.8 6	110 -15.4 18	105 -5.1 10	110 21.3 42	106 5 6	97 11 6			
-M 240004 98371883 24 004		BC 181075 -M 180019		114 61	110 65	79 45	83 28	117 29	105 43				115 -0.92 66	91 0.29 45	119 29 28	110 18.0 65	79 -7.3 45	85 6 46	102 21.0 62	98 65 6		90 5.2 6	115 -19.0 29	117 -7.5 16	110 20.9 42	109 6 6	103 16 6			
-M 240005 98371891 24 005		BC 181075 -M 180076		116 59	106 62	64 44	88 9	110 23	91 38				115 -0.87 64	98 0.04 43	113 22 9	106 15.5 62	64 -11.6 44	70 -28 38	98 17.3 59	93 47 6		86 3.3 6	110 -14.9 18	106 -5.2 9	110 20.9 41	105 4 6	96 10 6			
-M 240006 98371958 24 006		-M 210047 -M 170025		103 54	91 58	77 39	109 24	86 24	74 38				104 -0.01 59	96 0.11 38	93 -1 24	91 7.2 58	77 -7.9 39	72 -24 40	90 11.0 52				93 -2.4 25	86 -1.3 14	90 8.3 34					
-M 240010 98372600 24 010		-M 150007		91 52	110 55	106 40	90 26	84 26	88 38				95 0.79 56	91 0.30 37	108 17 26	110 17.9 55	106 0.2 40	110 65 40	112 28.3 51	102 78 10		104 13.3 11	76 11.5 27	98 -3.7 16	89 8.1 34	116 11 11	110 23 11			
-M 240019 98372105 24 019		-M 200132 -M 210008		94 57	98 60	106 36	105 22	94 26	95 38				90 1.19 63	114 -0.62 38	94 0 22	98 10.8 60	106 0.1 36	103 50 39	96 15.8 56				98 -6.0 29	96 -3.4 13	94 11.0 36					
-M 240022 98372121 24 022		BC 181075 -M 130060		109 60	105 63	64 45	86 9	111 22	86 38				112 -0.62 64	89 0.37 44	117 26 9	105 15.1 63	64 -11.6 45	69 -31 39	96 15.8 61	97 63 6		90 5.4 6	108 -13.8 14	107 -5.5 9	111 21.7 42	110 7 6	101 15 6			

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Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass						
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calv 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				47	52	28	12	21	78 31						93 0.93 53	99 -0.03 27	100 7 12	93 7.9 52	111 1.6 28	99 41 31	89 10.6 48				85 4.5 25	97 -3.4 9	76 -0.3 28						
-M 240027 98372170 24 027		-M	210054																														
-M 240031 98372212 24 031		BC -M	181075 130017			65 50	83 29	119 31	95 46				111 -0.61 68	97 0.06 50	120 30 29	109 17.1 67	65 -11.4 50	72 -24 49	99 17.9 64	97 60 6				89 4.6 6	117 -21.0 31	114 -6.8 17	115 23.9 45	108 6 6	101 14 6				
-M 240034 98372246 24 034		-M	140063										111 -0.57 52	95 0.13 32		88 5.4 51	106 0.3 34		87 8.6 48						89 7.7 30								
-M 240035 98372253 24 035		BC -M	181075 180009			89 43	78 9	113 21	96 37				100 0.30 63	90 0.35 43	126 37 9	110 18.0 62	89 -4.4 43	90 19 38	103 21.6 60	116 129 6				102 12.5 6	105 -11.8 14	114 -6.9 9	111 21.7 40	125 16 6	120 32 6				
-M 240037 98372451 24 037		-M -M	200132 180033						90 41				82 1.82 64	113 -0.57 42	90 -4 26	97 10.5 62	111 1.8 42	110 65 43	96 15.9 56					90 0.6 28	84 -0.8 16	91 9.0 38							
-M 240038 98372469 24 038		BC -M	181075 160007			65 47	86 21	110 29	94 43				106 -0.13 67	94 0.20 46	116 26 21	117 21.9 65	65 -11.1 47	82 -1 44	107 24.5 61	101 77 6				93 7.0 6	106 -12.0 28	116 -7.3 16	102 16.2 44	113 9 6	106 19 6				
-M 240043 98372501 24 043		BC -M	191020 170065						96 39		111 12		92 0.99 61	94 0.17 45	111 19 19	106 15.7 60	111 1.6 45	109 63 41	111 27.7 55	112 115 17	114 -54 7				111 17.5 21	98 -5.7 26	100 -4.0 15	101 15.2 41	130 19 16	118 30 16	108 1.64 12	101 0.18 11	95 -0.02 11
-M 240060 98372428 24 060		-M -M	200132 210035						90 37				93 0.92 63	109 -0.40 37	97 4 19	98 10.8 59	103 -0.5 34	100 42 37	96 15.6 55					95 -3.5 27	90 -2.1 11	95 11.8 35							
-M 240063 98371974 24 063		CM -M	200018 210156						110 40				129 -2.03 63	86 0.50 42	94 0 23	98 10.7 61	94 -3.0 39	93 26 41	103 21.1 56	93 48 6				99 10.5 7	96 -4.1 35	105 -5.2 17	101 15.2 41	104 3 6	97 10 6				
-M 240072 98371925 24 072		-M -M	210030 210126						93 34				120 -1.34 57	94 0.17 32	90 -4 20	84 3.1 55	96 -2.4 32	82 0 36	85 7.5 52					88 1.9 24	91 -2.3 7	100 14.6 31							
-M 240076 98372063 24 076		-M -M	200132 210036						91 38				86 1.48 63	118 -0.79 38	96 3 20	95 8.9 60	114 2.6 35	106 56 38	92 12.8 56					91 -0.7 28	88 -1.7 11	98 13.6 35							
-M 240077 98372527 24 077		CM -M	200018 180083						108 40				120 -1.29 63	93 0.24 46	109 17 17	107 16.2 60	101 -1.0 45	103 49 41	114 29.6 56	103 84 6				108 15.6 7	93 -2.2 26	104 -4.9 15	102 15.9 43	116 11 6	108 21 6				

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Green: >120 High
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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																																	
-M 240083 98372626 24 083		CM 200018 -M 190054		123 57	92 60	90 44	97 17	100 28		96 39				141 -3.09 61	100 -0.06 44	101 9	92 7.6 60	90 -4.2 44	81 -2 40	99 18.6 54	94 49 6		100 10.9 7	97 -5.1 26	101 -4.3 15	103 16.8 42	105 4 6	96 10 6					
-M 240088 98371677 24 088		BC 191020 -M 150069		102 57	107 61	107 47	84 23	107 29		104 41		111 12		100 0.31 61	103 -0.18 44	117 26 23	107 16.0 61	107 0.4 47	103 50 44	110 27.1 56	112 114 17	114 -54 7	111 17.3 21	100 -7.8 28	105 -5.1 16	110 21.0 42	129 18 16	118 30 16	108 1.65 12	101 0.18 11	95 -0.01 11		
-M 240092 98371701 24 092		-M 200132 -M 210026		92 58	106 60	105 36	90 22	97 26		94 38				89 1.23 63	112 -0.52 39	108 17 22	106 15.3 60	105 -0.1 36	104 52 39	102 20.9 56				95 -3.9 29	102 -4.5 13	97 12.8 36							
-M 240093 98371719 24 093		-M 200132 -M 210003		80 56	97 60	110 35	110 16	91 25		91 37				78 2.20 62	114 -0.61 35	91 -3 16	97 10.2 60	110 1.4 35	107 59 37	94 14.7 56				96 -4.5 29	97 -3.5 11	88 7.4 36							
-M 240100 98371826 24 100		-M 200132 -M 210019		86 57	98 60	112 35	103 21	92 25		92 38				83 1.74 63	112 -0.54 38	95 1 21	98 10.8 60	112 2.0 35	109 62 39	97 16.3 56				93 -2.2 28	94 -2.9 12	96 12.1 35							
-M 240105 98371644 24 105		CM 200018 -M 200201		117 57	98 59	98 41	93 17	102 27		101 38				120 -1.36 61	83 0.62 42	106 13 17	98 11.0 59	98 -2.0 41	92 24 39	104 22.0 55	99 69 6		104 13.6 7	95 -3.4 26	103 -4.7 15	107 19.2 41	111 8 6	103 16 6					
-M 240109 98370943 24 109		BC 181075 -M 210106		92 58	117 64	80 39	81 23	108 27		93 40				95 0.76 64	93 0.24 39	123 33 23	117 22.2 64	80 -7.0 39	92 22 42	110 26.9 61	106 94 6		96 9.0 6	104 -10.3 29	113 -6.7 12	104 17.1 40	116 10 6	112 25 6					
-M 240110 98370976 24 110		-M 210058 -M 200031		83 53	104 57	112 36	95 25	91 25		91 37				86 1.51 58	96 0.09 35	103 10 25	104 14.7 57	112 2.0 36	112 70 39	101 19.7 53				87 2.5 28	98 -3.6 14	94 11.1 32							
-M 240112 98370992 24 112		CM 200018 -M 180022		114 61	112 63	98 47	85 30	97 33		103 44				116 -1.01 65	88 0.42 48	116 25 30	112 19.2 63	98 -2.0 47	103 48 47	117 32.0 58	107 99 6		109 16.3 7	85 4.5 36	103 -4.8 20	104 17.1 44	115 10 6	110 23 6					
-M 240116 98371032 24 116		BC 181075 -M 200087		111 60	108 64	82 41	82 27	106 28		94 42				112 -0.66 65	94 0.20 41	120 30 27	108 17.0 64	82 -6.6 41	85 6 44	100 19.1 61	108 102 6		98 10.0 6	95 -3.3 29	110 -6.1 15	108 19.7 40	120 13 6	115 27 6					
-M 240120 98371065 24 120		MX 211012 -M 200110		124 54	91 56	103 38	117 32	86 27		103 39		96 14		123 -1.59 59	93 0.21 37	84 -11 32	91 6.9 56	103 -0.6 38	98 37 42	87 9.3 50	96 57 17	104 -43 13	94 7.4 22	92 -1.3 26	90 -2.1 17	87 6.8 39	120 13 19	107 20 18	91 0.01 15	105 0.40 14	100 0.31 13		
-M 240125 98371115 24 125		CM 200018 -M 130023		117 63	92 65	105 52	112 31	101 36		111 46				119 -1.24 66	88 0.41 52	89 -5 31	92 7.6 65	105 0.1 52	99 40 49	96 16.2 62	95 56 6		101 11.5 7	90 0.0 40	105 -5.0 21	108 19.7 47	106 5 6	99 12 6					

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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	
-M 240131 98371164 24 131		CM 200018	-M 180071	130 57	94 60	99 45	97 17	100 28	105 39				132 -2.32 61	91 0.31 44	101 8	94 8.7 60	99 -1.8 45	91 20 41	99 18.2 56	93 47 6			99 10.7 7	97 -5.2 26	101 -4.3 15	102 16.2 43	105 4 6	96 9 6			
-M 240135 98371206 24 135		-M 210047	-M 150063	104 53	88 56	108 40	105 16	95 17	94 35				104 -0.01 57	96 0.10 38	94 0	88 5.2 56	108 0.9 40	95 30 37	88 9.6 53					97 -5.2 11	86 -1.3 5	106 18.4 34					
-M 240137 98371230 24 137			-M 150034	84 52	97 55	117 40	89 32	85 24	80 38				92 0.99 56	80 0.75 37	109 18 32	97 10.4 55	117 3.2 40	104 53 42	95 14.8 52					79 9.3 26	101 -4.2 14	87 6.9 33					
-M 240145 98371305 24 145		-M 200132	-M 210136	86 56	103 59	108 33	101 19	88 24	90 36				84 1.68 62	112 -0.52 34	97 4	103 14.0 59	108 0.9 33	110 66 37	101 20.1 55					91 -0.8 27	92 -2.4 11	90 8.5 35					
-M 240153 98371388 24 153		BC 191020	-M 190031	90 56	104 59	108 44	91 19	100 27	96 39		106 12		94 0.85 60	90 0.33 42	107 15 19	104 14.5 59	108 1.0 44	106 57 41	108 25.1 54	107 99 17	109 -49 7		107 15.3 21	100 -7.2 26	98 -3.7 15	103 16.7 40	125 16 16	113 25 16	104 1.22 12	100 0.12 11	93 -0.12 11
-M 240157 98371420 24 157			-M 210009	94 48	102 52	107 28	97 18	82 22	86 32				89 1.23 53	116 -0.69 29	101 8 18	102 13.4 52	107 0.6 28	106 57 33	100 19.0 48					77 10.4 26	98 -3.7 11	83 4.3 28					
-M 240163 98371487 24 163		CM 200018	-M 200155	104 60	107 62	98 43	89 31	98 32	97 43				107 -0.28 64	86 0.49 45	110 18 31	107 16.3 62	98 -1.9 43	100 43 45	111 27.8 58	105 90 8			105 14.2 9	89 0.9 35	106 -5.3 19	99 14.4 43	117 11 8	111 24 8			
-M 240166 98371511 24 166		-M 200132	-M 210091	75 57	101 60	120 36	88 22	94 26	87 38				72 2.68 63	107 -0.33 38	110 18 22	101 12.6 60	120 4.2 36	111 68 39	96 15.8 56					88 1.6 29	103 -4.6 13	95 12.0 36					
-M 240173 98371552 24 173		CM 200018	-M 200128	117 58	102 59	98 42	99 30	97 28	104 41				118 -1.17 63	91 0.30 42	99 6 30	102 13.5 59	98 -2.0 42	100 41 44	106 23.7 48	99 70 6			104 13.4 7	90 0.2 27	102 -4.5 15	100 14.9 42	110 7 6	104 17 6			
MX 244024 97082291 24 4024	2	BOS 033210 HS 080120		120 88	109 88	100 88	88 87	104 87	112 80	106 86	108 81	105 86	112 -0.66 88	117 -0.73 88	111 19 87	109 17.3 88	100 -1.3 88	103 50 88	110 26.5 88	109 105 87	101 -40 84		92 6.7 87	97 -5.4 87	96 -3.2 86	117 25.3 88	88 -6 87	107 20 87	109 1.75 86	90 -0.45 85	132 2.10 85
-M 250001 6020057680 -M 250001			-M 220172	104 47	83 27	107 18	121 14	78 16	85 23				105 -0.05 53	95 0.15 26	80 -16 14	83 2.3 27	107 0.4 18	94 28 20	81 4.2 24					95 -3.8 25	92 -2.4 7	67 -5.7 17					
-M 250006 6020057722 -M 250006			-M 180019	101 51	88 32	111 34	112 32	87 21	92 31				101 0.28 55	101 -0.11 35	90 -5 32	88 5.2 32	111 1.6 34	99 40 33	86 7.8 28					96 -4.2 26	97 -3.5 13	80 2.2 23					

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ID Number Name																															
-M 250008 6020057656 -M 250008				103 49	86 23	117 32								103 0.07 53	98 0.03 33	86 4.2 23	117 3.3 32			85 7.3 16					79 1.6 20						
-M 250009 6020057664 -M 250009				103 52	87 34	97 39	104 32	84 23		78 33				106 -0.13 56	90 0.33 39	95 1 32	87 4.5 34	97 -2.3 39	84 4 35	85 7.5 29				98 -5.7 27	95 -3.1 14	75 -0.9 28					
-M 250014 6020057771 -M 250014				110 47	84 28	107 20	113 13	80 17		87 23				112 -0.62 53	92 0.25 27	89 -6 13	84 3.0 28	107 0.7 20	92 24 20	83 6.0 26	80 0 5		86 3.0 5	88 2.0 25	93 -2.7 8	75 -0.4 18	93 -3 5	86 0 5			
-M 250017 6020057821 -M 250017				113 49	84 23	108 32								112 -0.64 53	99 0.00 33	84 2.6 23	108 0.9 32			82 5.2 16					78 0.9 20						
-M 250023 6020094717 -M 250023				110 46	81 20	100 29								111 -0.58 51	94 0.19 30	81 1.1 20	100 -1.3 29								78 1.0 16						
-M 250025 6020057862 -M 250025				117 49	78 23	94 32								117 -1.04 53	95 0.15 33	78 -0.8 23	94 -3.2 32			76 0.7 12					76 -0.1 20						
-M 250027 6020057888 -M 250027				99 48	84 24	108 33	117 16	81 12		85 25				100 0.34 52	97 0.06 32	85 -10 16	84 3.0 24	108 0.8 33	94 28 24	83 5.6 18				90 0.3 11		81 3.3 22					
-M 250039 6020056690 -M 250039				118 49	72 25	108 34								117 -1.09 53	97 0.08 34	72 -4.0 25	108 0.7 34			72 -3.0 24				88 2.0 12		85 5.8 22					
-M 250040 6020056708 -M 250040				90 47	90 28	107 24	99 24	74 18		69 26				93 0.91 53	92 0.25 28	98 5 24	90 6.2 28	107 0.4 24	94 27 25	88 9.6 22				83 5.9 25	88 -1.6 10	72 -2.3 18					
-M 250041 6020096381 -M 250041				118 48	83 30	101 26	110 17	81 19		84 26				116 -0.96 53	101 -0.08 31	92 -2 17	83 2.0 30	101 -1.1 26	83 3 24	81 4.6 24				85 4.1 25	95 -3.1 10	78 0.9 21					
-M 250043 6020094345 -M 250043				125 49	77 25	100 34								122 -1.47 53	102 -0.14 33	77 -1.4 25	100 -1.3 34			76 0.1 16					77 0.6 23						
-M 250048 6020056765 -M 250048				125 51	79 28	106 36	122 24	79 16		94 29				124 -1.68 55	94 0.20 36	78 -18 24	79 -0.1 28	106 0.4 36	90 18 29	77 1.6 24				82 6.8 18	89 -1.8 5	82 3.9 24					

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-M 250053 6020056807 -M 250053		-M 210063		115 47	76 27	106 24	121 32	78 16	85 27				114 -0.86 53	95 0.15 28	80 -15 32	76 -1.8 27	106 0.4 24	85 7 28	75 -0.6 20				88 2.1 23	88 -1.7 6	76 0.2 18						
-M 250059 6020056831 -M 250059		-M 170075		95 49	86 23	111 32							97 0.55 53	93 0.24 33		86 3.7 23	111 1.6 32		84 6.6 19						78 1.3 20						
-M 250060 6020056849 -M 250060		-M 220103		92 47	94 27	106 19	112 9	79 16	84 22				91 1.10 53	105 -0.25 27	90 -4 9	94 8.9 27	106 0.1 19	102 46 18	92 12.6 25				88 2.1 25	92 -2.5 7	74 -1.6 17						
-M 250064 6020056872 -M 250064		-M 140021		86 51	93 33	97 36	110 17	77 18	73 29				89 1.26 55	95 0.15 36	91 -3 17	93 8.2 33	97 -2.3 36	92 22 29	90 11.4 23	80 1 11			81 0.1 12	86 3.9 19	92 -2.4 10	73 -2.1 26	97 0 12	88 2 12			
-M 250070 6020057128 -M 250070		-M 170028		116 52	87 33	89 35	98 20	83 22	75 30				118 -1.16 56	88 0.43 36	100 7 20	87 4.3 33	89 -4.5 35	75 -18 29	85 7.6 26	83 11 5			87 3.5 5	96 -4.5 26	95 -3.1 15	74 -1.4 26	88 -5 5	85 -1 5			
-M 250072 6020056880 -M 250072		-M 130028		113 51	75 32	100 36	120 12	79 16	79 28				112 -0.69 55	97 0.05 36	82 -14 12	75 -2.5 32	100 -1.5 36	77 -12 27	73 -2.1 30				89 1.0 17	86 -1.2 5	80 2.6 25						
-M 250075 6020059561 -M 250075		-M 220065		96 46	89 24	104 14							98 0.47 52	92 0.25 24		89 6.0 24	104 -0.2 14		87 9.3 23				86 3.4 23		74 -1.4 17						
-M 250079 6020056930 -M 250079		-M 150076		98 49	83 23	104 32							102 0.18 53	89 0.40 34		83 2.0 23	104 -0.2 32		81 4.4 19				86 3.5 12		80 2.5 23						
-M 250084 6020059579 -M 250084		-M 220036		99 47	88 28	106 21	119 12	79 17	86 23				100 0.32 53	95 0.14 27	82 -13 12	88 5.0 28	106 0.3 21	98 38 20	85 7.5 26				88 2.0 25	91 -2.2 7	75 -0.8 18						
-M 250089 6020059587 -M 250089		-M 220090		91 46	91 26	108 18							94 0.85 52	94 0.17 26		91 7.1 26	108 0.9 18		91 11.7 24				83 6.0 23		75 -0.6 16						
-M 250091 6020057052 -M 250091		-M 130061		105 49	84 23	101 32							106 -0.16 53	95 0.13 33		84 2.9 23	101 -1.0 32		82 5.4 12						75 -0.6 23						
-M 250096 6020057268 -M 250096		-M 190041		93 46	86 20	118 29							97 0.60 51	90 0.34 30		86 3.9 20	118 3.7 29		84 7.0 12						80 2.7 16						

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-M 250098 6020057284 -M 250098		-M 200001		90 48	86 19	111 27	104 31						94 0.87 53	91 0.29 30	94 1 31	86 4.1 19	111 1.7 27	95 30 26	84 6.7 13					77 0.4 19							
-M 250099 6020057250 -M 250099		-M 200082		97 48	85 27	110 27	121 31	82 17	89 27				100 0.35 53	92 0.24 29	80 -16 31	85 3.3 27	110 1.4 27	99 40 28	83 5.7 12				97 -5.2 23	92 -2.5 10	74 -1.3 19						
-M 250101 6020057300 -M 250101		-M 220071		94 46	97 26	108 18	102 9	76 14	80 21				96 0.67 52	96 0.12 26	96 3 9	97 10.1 26	108 0.9 18	103 49 18	94 14.7 24				79 9.1 24		77 0.7 16						
-M 250102 6020057318 -M 250102		-M 210049		119 48	76 29	100 26	118 17	77 19	80 26				119 -1.28 53	90 0.32 29	84 -12 17	76 -1.6 29	100 -1.3 26	79 -8 24	74 -1.4 21				85 4.1 26	92 -2.4 11	72 -2.7 20						
-M 250110 6020057185 -M 250110		-M 180022		103 51	93 32	105 35	98 22	76 21	77 30				104 0.04 55	96 0.11 35	99 7 22	93 7.9 32	105 -0.1 35	95 29 30	89 10.7 27				78 10.0 25	89 -1.8 13	80 2.6 24						
-M 250111 6020057193 -M 250111		-M 210086		99 47	85 27	109 24	111 32	77 16	80 27				102 0.15 53	91 0.31 28	90 -4 32	85 3.3 27	109 1.2 24	94 28 28	83 6.2 19				86 3.6 23	88 -1.6 6	76 -0.2 19						
-M 250117 6020057326 -M 250117		-M 200142		99 48	90 28	111 27	108 31	86 17	89 28				100 0.37 53	99 0.00 29	93 -1 31	90 6.1 28	111 1.6 27	99 41 29	88 9.4 22				95 -3.2 23	96 -3.2 10	80 2.1 19						
-M 250118 6020057441 -M 250118		-M 200155		88 49	93 30	104 29	104 23	77 19	74 28				91 1.09 54	95 0.15 31	95 1 23	93 8.2 30	104 -0.3 29	97 34 27	90 11.2 24	84 15 6		87 3.4 6	82 6.6 24	91 -2.3 12	75 -0.5 20	100 1 6	92 6 6				
-M 250122 6020057482 -M 250122		-M 210085		114 47	81 27	101 24	116 32	76 16	81 27				113 -0.70 53	98 0.01 28	86 -9 32	81 0.9 27	101 -1.1 24	84 3 28	79 2.8 16				87 3.1 23	87 -1.4 6	74 -1.5 19						
-M 250130 6020057409 -M 250130		-M 190011		93 46	88 21	122 29							98 0.54 50	88 0.43 31		88 5.0 21	122 4.7 29		86 8.4 12				82 6.4 12		79 2.0 19						
-M 250133 6020057508 -M 250133		-M 210001		102 47	86 26	110 23	115 32	76 16	84 26				104 0.03 53	92 0.25 27	86 -9 32	86 4.1 26	110 1.4 23	98 37 27	84 6.9 19				87 2.7 23	86 -1.2 6	75 -0.6 18						
-M 250134 6020057516 -M 250134		-M 130060		106 49	82 25	92 34							107 -0.25 53	95 0.16 33		82 1.6 25	92 -3.8 34		80 3.7 24						82 3.3 23						

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Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calv 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																														
-M 250135 6020094329 -M 250135				94 45	88 13	111 19							96 0.64 50	93 0.23 27		88 5.0 13	111 1.6 19							80 2.3 15						
-M 250136 6020057490 -M 250136				100 46	84 21	111 29							102 0.18 51	93 0.24 30		84 2.9 21	111 1.8 29			83 5.7 19				83 6.0 12	84 5.0 16					
-M 250140 6020057557 -M 250140				100 51	82 33	116 35	117 32	76 22	84 32				104 0.02 55	88 0.42 35	84 -11 32	82 1.7 33	116 3.0 35	99 40 33	79 3.1 26				76 11.6 27	89 -1.9 14	81 2.8 24					
-M 250141 6020057565 -M 250141				121 49	69 26	91 35	122 16	81 12	76 26				122 -1.49 53	89 0.37 34	80 -16 16	69 -6.1 26	91 -4.0 35	62 -47 26	68 -5.7 21				91 -0.6 11	84 4.7 23						
-M 250142 6020059603 -M 250142				97 49	86 25	105 34							101 0.26 53	88 0.40 33		86 4.1 25	105 0.1 34		84 7.0 22					82 3.7 20						
-M 250143 6020059553 -M 250143				92 48	90 28	105 27	113 31	82 17	83 28				95 0.75 53	92 0.26 29	89 -6 31	90 6.5 28	105 -0.1 27	97 35 29	88 9.8 18				95 -3.5 23	92 -2.5 10	76 -0.4 19					
-M 250147 6020094287 -M 250147				114 50	86 26	91 34	118 8	78 13	81 24				112 -0.67 55	101 -0.08 34	84 -11 8	86 3.8 26	91 -4.1 34	80 -4 23	84 6.9 23				90 0.2 11		77 0.3 25					
-M 250151 6020057573 -M 250151				98 49	84 30	114 30	112 32	79 20	82 29				100 0.30 54	92 0.24 32	90 -5 32	84 2.6 30	114 2.5 30	97 34 31	80 3.6 28				84 4.9 27	90 -2.1 11	78 1.3 22					
-M 250157 6020059876 -M 250157				99 45	86 17	113 25							101 0.22 50	91 0.30 27		86 4.0 17	113 2.2 25							80 2.3 15						
-M 250161 6020060031 -M 250161				101 47	84 28	109 24	126 22	75 18	86 26				101 0.26 53	100 -0.06 28	74 -23 22	84 2.7 28	109 1.0 24	100 42 25	81 4.3 18				83 6.2 25	89 -1.8 9	73 -1.8 20					
-M 250162 6020059850 -M 250162				112 49	82 31	108 32	120 21	79 19	89 28				110 -0.46 54	102 -0.15 33	81 -15 21	82 1.9 31	108 0.7 32	94 27 28	81 4.4 29				87 2.4 25	91 -2.2 10	76 -0.1 22					
-M 250163 6020059868 -M 250163				108 48	83 29	111 29	114 32	75 19	84 29				107 -0.25 53	100 -0.05 30	88 -7 32	83 2.5 29	111 1.7 29	95 30 30	81 4.4 23				77 10.4 25	89 -1.9 12	78 1.0 20					

Breeding Values and Accuracies: Bulls

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	Calv 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																														
-M 250166 6020059835 -M 250166				105 45	82 17	103 25							108 -0.32 50	90 0.34 27		82 1.6 17	103 -0.7 25		81 4.0 14						84 4.8 15					
-M 250174 6020057672 -M 250174				113 46	79 25	95 34							112 -0.67 50	98 0.01 33		79 0.0 25	95 -3.0 34		78 1.7 12						79 1.5 22					

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	Calv 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	Calv 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
-M 100065 91537365 1065				111 57	77 50	84 68							115 -0.90 55	85 0.54 62		77 -1.4 50	84 -6.0 68		76 0.4 28				100 -7.7 23	96 12.3 46						
-M 110017 74397258 110017		-M 020034		95 68	93 64	113 69	107 14	71 26	80 46				101 0.23 68	81 0.68 66	93 -1 14	93 8.1 64	113 2.3 69	105 54 49	91 12.2 56				75 12.4 19	78 0.3 7	81 2.9 52					
-M 110022 74397878 110022		-M 080014		87 74	107 71	117 79	94 23	85 44	93 55				90 1.18 74	95 0.13 75	103 10 23	107 16.2 71	117 3.3 79	118 85 58	105 23.2 58				104 -10.2 50	93 -2.7 24	73 -2.0 59					
-M 110061 91536037 1161				109 57	82 50	95 68							111 -0.60 56	89 0.38 61		82 1.4 50	95 -2.7 68		81 4.0 36					90 8.7 46						
-M 110063 91537381 1163				100 58	95 52	103 68							103 0.07 57	89 0.39 61		95 9.1 52	103 -0.7 68		99 18.1 44				94 -2.5 23	105 18.2 46						
-M 110065 91536722 1165				89 56	86 46	127 64							97 0.55 54	78 0.82 61		86 4.1 46	127 6.1 64		86 8.0 32					89 7.8 46						
-M 130017 79561361 130017		-M 060016		126 75	82 72	76 81	111 68	109 48	95 63				121 -1.41 75	105 -0.26 77	92 -2 68	82 1.7 72	76 -8.0 81	61 -49 74	78 2.0 64				117 -20.5 55	98 -3.7 30	109 20.5 58					
-M 130019 79562427 130019		-M 070024		120 74	78 72	67 81	123 49	91 48	76 60				119 -1.22 74	95 0.12 74	80 -15 49	78 -0.6 72	67 -10.8 81	51 -74 67	73 -1.8 58	59 -78 10		67 -7.7 10	100 -7.6 56	97 -3.5 30	84 4.9 59	66 -18 10	59 -25 9			
-M 130023 79561478 130023		-M 060012		109 75	72 73	111 82	132 44	94 50	99 60				110 -0.46 75	94 0.17 76	65 -32 44	72 -4.2 73	111 1.6 82	92 22 66	68 -6.0 68				83 5.9 61	93 -2.6 31	109 20.5 58					
-M 130028 79561460 130028		-M 060017		122 68	66 65	93 72	123 17	90 31	82 48				120 -1.30 68	99 -0.02 66	78 -18 17	66 -7.4 65	93 -3.4 72	62 -48 51	65 -8.4 59				97 -4.8 33	83 -0.6 10	99 14.4 50					
-M 130062 91537571 1362				122 57	61 51	79 69	127 32	94 25	75 44				122 -1.53 55	90 0.35 62	75 -22 32	61 -10.6 51	79 -7.3 69	43 -93 51	61 -11.0 42				101 -8.1 23	82 -0.4 6	106 18.5 46					
-M 130065 91537605 1365				95 56	93 50	123 68							99 0.39 54	86 0.48 61		93 8.2 50	123 5.2 68		92 12.9 28					93 10.2 45						

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																													
-M 130066 91537613 1366			98 59	94 52	126 71	91 35	93 30	97 46				100 0.30 57	92 0.28 64	105 13 35	94 8.6 52	126 5.8 71	110 66 53	93 13.9 45				82 6.3 38	85 -1.1 6	115 24.0 46					
-M 130067 91537621 1367			131 56	77 50	98 68							122 -1.52 54	115 -0.65 61		77 -1.4 50	98 -2.0 68		76 0.6 32					93 10.4 46						
-M 140004 81293797 M140004		-M 110012	106 73	90 71	99 80	123 47	104 48	108 59				105 -0.09 73	100 -0.04 73	78 -18 47	90 6.1 71	99 -1.6 80	96 33 66	89 10.7 64	70 -37 5		77 -1.9 5	108 -14.1 57	99 -3.9 30	104 17.4 56	77 -12 5	72 -13 5			
-M 140012 81293847 M140012		-M 110007	117 72	86 70	103 78	125 45	99 46	110 58				115 -0.94 72	100 -0.04 71	76 -20 45	86 4.0 70	103 -0.6 78	96 33 64	85 7.5 61	70 -38 5		76 -2.8 5	103 -9.5 53	103 -4.8 29	95 11.5 55	83 -9 5	74 -11 5			
-M 140021 81293888 M140021		-M 110004	71 68	102 66	86 72	101 34	86 37	68 52		84 5		76 2.35 68	93 0.23 66	98 5 34	102 13.3 66	86 -5.2 72	90 18 57	98 17.7 46	84 13 23		78 -1.3 24	89 0.8 38	95 -3.2 21	84 5.1 53	105 4 24	93 6 24	83 -0.82 5	95 -0.20 5	95 0.03 5
-M 140024 81293912 M140024		-M 090042	101 67	78 64	130 71	98 13	85 31	85 47				104 -0.01 67	90 0.36 65	99 6 13	78 -0.5 64	130 7.0 71	100 43 49	78 1.7 46				92 -1.0 32	94 -2.8 12	82 3.8 50					
-M 140025 81293920 M140025		-M 020047	111 72	87 69	86 77	94 44	100 46	81 57				115 -0.93 72	82 0.67 73	105 12 44	87 4.7 69	86 -5.5 77	71 -26 63	86 8.3 58				114 -18.3 55	102 -4.5 27	88 7.4 56					
-M 140461 92110014 -M 140461			104 53	81 51	110 68							107 -0.24 52	88 0.40 58		81 0.9 51	110 1.3 68		80 3.6 44				97 -4.9 23		105 17.9 46					
-M 150013 85176717 -M150013		-M 080016	118 69	86 56	88 69	130 27	93 36	101 48				112 -0.65 70	112 -0.53 67	69 -28 27	86 4.3 56	88 -4.7 69	86 8 51	83 6.0 45	68 -44 10		73 -4.4 10	92 -0.9 38	101 -4.3 17	93 10.4 54	82 -9 10	72 -14 9			
-M 150034 83084475 -M150034		-M 090027	69 71	92 68	135 77	80 43	97 44	83 56				84 1.70 71	65 1.35 70	120 30 43	92 7.7 68	135 8.5 77	110 65 63	89 10.3 61				80 7.9 52	109 -5.8 29	103 16.5 52					
-M 150063 91536144 1563			101 58	86 52	108 70	112 31	99 26	98 44				102 0.16 56	95 0.12 63	89 -5 31	86 3.8 52	108 1.0 70	95 29 51	84 6.3 46				108 -13.7 23	83 -0.6 10	109 20.4 45					
-M 150066 91536177 1566			94 56	88 50	117 68							100 0.33 54	82 0.66 61		88 5.2 50	117 3.4 68		87 9.0 36						96 12.0 46					

Breeding Values and Accuracies: Cows

Green: >120 High
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Inbreeding in red is high

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Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calv 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																														
-M 150068 91536300 1568				108 54	80 47	106 65	116 32	94 25					109 -0.39 52	93 0.21 59	85 -9 32	80 0.5 47	106 0.3 65	87 12 48	79 3.0 36				98 -6.3 23	87 -1.5 6	101 15.7 45					
-M 150076 91536367 1576				103 57	78 46	100 64							109 -0.44 55	78 0.83 62		78 -0.7 46	100 -1.5 64		78 1.7 39				90 0.1 23		99 14.1 46					
-M 160007 84952100 M16007		-M 060020		116 69	82 65	86 73	128 45	89 43	91 55				114 -0.87 69	98 0.03 68	73 -23 45	82 1.8 65	86 -5.2 73	77 -13 61	80 3.7 49				99 -6.9 49	98 -3.7 26	81 3.3 53					
-M 160011 84952381 M16011		-M 060001		121 67	96 66	81 72	97 37	75 45	74 53		74 8		113 -0.73 68	120 -0.86 65	102 10 37	96 10.0 66	81 -6.8 72	78 -10 58	95 15.1 53	79 -3 21	85 -23 5	85 2.6 22	93 -1.7 50	64 3.2 32	89 8.0 53	90 -4 22	82 -4 21	76 -1.52 8	90 -0.49 7	81 -0.80 7
-M 160028 84952639 M16028		-M 090031		97 70	83 68	112 74	106 27	79 42	77 53				103 0.09 70	82 0.67 68	94 0 27	83 2.3 68	112 1.9 74	92 24 56	83 5.7 53				81 7.5 53	93 -2.7 20	79 2.0 53					
-M 160044 84953371 M16044		-M 060004		110 71	101 68	86 72	91 37	100 45	91 55				107 -0.23 71	131 -1.28 69	108 16 37	101 12.5 68	86 -5.3 72	85 6 59	101 19.6 56	94 51 8		95 8.0 10	101 -8.3 53	102 -4.4 27	100 14.7 54	107 6 10	95 9 10			
-M 160061 84953512 M16061		-M 010040		110 65	94 53	78 69	119 16	87 27	87 43				105 -0.10 65	111 -0.50 63	84 -11 16	94 8.6 53	78 -7.6 69	79 -8 46	93 13.6 46				99 -6.5 22	82 -0.5 8	92 9.7 51					
-M 160065 91536581 1665				113 56	82 46	94 64							114 -0.79 54	94 0.20 61		82 1.6 46	94 -3.1 64		81 4.2 12						87 7.0 46					
-M 160076 91536698 1676				120 57	66 50	112 68							116 -1.03 55	103 -0.17 62		66 -7.4 50	112 1.9 68		67 -6.5 48				94 -3.0 23		110 20.7 45					
-M 170025 86639887 -M17025		-M 140007		110 67	87 64	47 68	120 48	79 42	57 54				111 -0.60 68	91 0.29 65	85 -10 48	87 4.6 64	46 -16.5 68	42 -95 60	84 6.5 46				101 -8.6 49	83 -0.6 28	72 -2.4 48					
-M 170028 86639903 -M17028		-M 080034		101 69	101 66	78 69	86 39	98 44	77 53				103 0.05 70	91 0.30 67	116 25 39	101 12.8 66	78 -7.7 69	76 -15 58	100 18.9 52	89 34 10		90 5.5 10	111 -16.0 51	102 -4.4 29	86 6.4 52	87 -6 10	87 1 9			
-M 170033 86639929 -M17033		-M 130017		107 68	92 66	76 72	115 34	99 42	89 53				108 -0.34 68	94 0.17 66	88 -6 34	92 7.5 66	76 -8.3 72	73 -22 57	89 10.5 46				105 -11.5 50	107 -5.4 28	88 7.4 48					

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	Calv 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	Calv 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
-M 170045 88317425 -M170045		-M 060016		130 68	81 56	110 72	127 48	89 31	111 51				127 -1.93 68	98 0.01 67	72 -25 48	81 1.3 56	110 1.4 72	100 41 59	80 3.6 48				82 6.7 35	89 -1.9 11	104 17.0 48					
-M 170061 91551705 1761				98 58	92 48	105 66	86 31						104 0.04 56	84 0.59 63	114 23 31	92 7.4 48	105 0.0 66	88 15 48	90 11.6 46				100 -7.1 23		114 23.2 41					
-M 170064 91551747 1764				106 56	88 46	126 64							106 -0.13 54	99 -0.01 61		88 5.1 46	126 5.9 64		87 9.2 32						96 12.3 40					
-M 170065 91551754 1765				108 56	79 46	112 64							110 -0.52 55	90 0.35 61		79 -0.1 46	112 1.9 64		79 2.7 32						92 9.7 41					
-M 170068 91551770 1768				111 56	80 46	92 64							113 -0.75 54	88 0.41 61		80 0.7 46	92 -3.8 64		80 3.2 23						92 9.7 40					
-M 170069 91551788 1769				91 56	91 50	127 68							98 0.52 54	82 0.65 61		91 6.8 50	127 6.1 68		90 11.3 28						94 10.8 40					
-M 170070 91551804 1770				102 56	89 51	133 69	99 31						102 0.15 55	97 0.05 61	97 4 31	89 5.6 51	133 7.9 69	115 78 50	88 9.8 36				84 4.8 23		102 15.9 40					
-M 170071 91551812 1771				103 52	82 46	108 64							107 -0.24 51	85 0.53 57		82 1.4 46	108 0.9 64		81 4.4 23						96 12.1 39					
-M 170072 91552356 1772				99 56	86 50	103 68							106 -0.16 54	78 0.82 61		86 3.8 50	103 -0.7 68		85 7.2 44						103 16.5 40					
-M 170073 91552364 1773				120 56	73 51	110 68							116 -0.97 55	105 -0.27 61		73 -3.7 51	110 1.3 68		73 -2.1 48						109 20.1 38					
-M 170075 91552380 1775				101 56	82 46	111 64							106 -0.13 54	84 0.59 61		82 1.5 46	111 1.8 64		81 4.5 39						95 11.8 40					
-M 170076 91552398 1776				122 56	75 46	83 64							120 -1.33 54	97 0.05 61		75 -2.1 46	83 -6.3 64		75 -0.5 23						91 9.0 40					

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	Calv 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	Calv 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
-M 180009 91552513 1809				95 53	88 47	126 65							99 0.45 51	91 0.30 58		88 5.3 47	126 5.9 65		89 10.4 39						101 15.4 38					
-M 180011 88322938 -M180011		-M 130023		96 66	81 65	125 70	117 64	83 43	92 57				102 0.14 67	81 0.70 64	84 -12 64	81 1.1 65	125 5.6 70	107 58 66	78 2.0 52				70 16.3 53	90 -2.0 29	100 14.7 47					
-M 180017 88322987 -M180017		-M 120020		80 66	94 64	120 69	94 61	95 40	88 55				89 1.27 67	80 0.74 63	103 11 61	94 8.9 64	120 4.2 69	107 59 65	92 12.8 52				93 -1.7 49	108 -5.6 25	89 7.7 47					
-M 180019 88323001 -M180019		-M 130017		109 66	89 65	113 69	104 64	105 41	107 56				107 -0.26 67	103 -0.18 64	94 1 64	89 5.6 65	113 2.1 69	99 40 66	86 8.4 56				110 -15.3 52	106 -5.3 25	98 13.6 46					
-M 180022 88323035 -M180022		-M 050009		99 66	103 65	104 69	86 44	84 42	82 53				100 0.35 67	97 0.07 64	114 23 44	103 14.0 65	104 -0.3 69	99 39 59	99 17.9 54				74 13.1 51	89 -1.8 26	99 14.3 48					
-M 180033 88322797 -M180033		-M 150006		105 64	88 63	103 67	122 64	68 40	81 55				106 -0.13 65	95 0.14 61	79 -17 64	88 4.9 63	103 -0.5 67	97 34 65	86 8.4 42				76 11.4 49	71 1.7 27	81 3.2 45					
-M 180063 91552638 1863				107 53	81 46	107 64							109 -0.44 52	89 0.37 58		81 1.0 46	107 0.7 64		80 3.9 32				91 -0.4 23		100 14.6 40					
-M 180076 91552810 1876				131 53	78 46	74 64							125 -1.72 52	108 -0.36 58		78 -0.4 46	74 -8.7 64		77 1.3 32				100 -7.3 23		98 13.3 39					
-M 180083 91552877 1883				114 56	87 46	112 64							111 -0.56 54	105 -0.25 61		87 4.7 46	112 1.9 64		86 8.3 33						94 10.9 40					
-M 190004 93811750 19004				113 48	80 41	95 59							114 -0.81 47	93 0.21 53		80 0.6 41	95 -2.7 59								94 11.2 32					
-M 190016 93811891 19016				99 48	84 41	121 59							104 -0.01 47	85 0.53 53		84 2.9 41	121 4.5 59		84 6.5 28						97 12.8 32					
-M 190027 93811818 19027				106 48	83 41	107 59							108 -0.35 47	89 0.36 53		83 2.5 41	107 0.5 59		83 5.6 23						97 12.8 32					

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																														
-M 190031 93811776 19031				103 48	83 41	105 59							108 -0.32 47	83 0.61 52		83 2.0 41	105 -0.1 59		82 5.0 24					98 13.3 38						
-M 190041 93811859 19041				92 47	84 41	128 59							99 0.40 46	81 0.71 52		84 3.0 41	128 6.4 59		84 6.7 23					99 14.5 32						
-M 190050 93811974 19050				95 43	85 41	123 59							101 0.26 42	83 0.62 47		85 3.6 41	123 5.1 59		85 7.4 23					93 10.4 32						
-M 190054 93811735 19054				135 48	73 41	92 59							129 -2.04 47	130 -1.22 53		73 -3.3 41	92 -3.6 59		73 -1.9 24					97 13.1 32						
-M 190058 93812030 19058				107 36	83 25	105 39							109 -0.45 35	91 0.31 40		83 2.2 25	105 0.1 39							98 13.4 29						
-M 190094 93812014 19094				103 49	82 41	114 59							107 -0.24 47	87 0.47 54		82 1.7 41	114 2.6 59		82 4.8 39			84 5.1 23		107 19.2 32						
-M 190104 93811958 19104				99 42	85 25	111 39							104 -0.03 41	84 0.60 47		85 3.7 25	111 1.8 39							98 13.8 30						
-M 190111 90051913 -M 190111		-M 140004		114 64	84 63	110 65	123 42	89 39	103 51				109 -0.40 65	111 -0.50 60	77 -19 42	84 2.7 63	110 1.4 65	100 41 57	83 6.0 57			93 -2.1 50	93 -2.7 21	90 8.9 45						
-M 190134 93812055 19134				105 36	83 25	101 39							109 -0.38 35	86 0.52 40		83 2.2 25	101 -1.0 39							98 13.4 29						
-M 200003 91979856 20003		-M 170080		91 57	93 55	101 55	109 62	96 35	90 48				97 0.58 59	84 0.59 51	92 -2 62	93 8.0 55	101 -1.2 55	94 29 57	91 12.0 36			108 -13.8 46	96 -3.3 20	90 8.4 38						
-M 200006 91979906 20006		-M 170066		107 57	83 55	91 55	111 62						107 -0.22 59	98 0.01 51	91 -3 62	83 2.3 55	91 -3.8 55	76 -15 57	82 4.9 36					90 8.4 38						
-M 200007 91979914 20007		-M 140014		94 61	97 60	107 58	84 47	93 39	83 49				102 0.14 63	75 0.92 54	116 26 47	97 10.4 60	107 0.5 58	94 28 55	96 15.7 40	90 36 5		94 7.8 5	95 -3.9 50	104 -4.8 26	88 7.1 42	99 1 5	96 10 5			

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																															
-M 200061 91980417 20061		-M 150069		114 59	86 58	112 58	84 62	100 35	91 50				113 -0.73 61	97 0.04 54	116 25 62	86 4.0 58	112 1.9 58	87 12 59	85 7.5 34				95 -3.6 46	114 -6.9 20	93 10.3 39						
-M 200068 91980441 20068		-M 130019		121 62	80 61	75 60	124 43	68 38	68 49				114 -0.80 64	115 -0.66 56	78 -18 43	80 0.6 61	75 -8.4 60	62 -48 55	74 -0.9 40	70 -37 5			77 -2.2 5	58 25.8 50	85 -1.1 20	83 4.3 43	80 -10 5	74 -12 5			
-M 200073 91980474 20073		-M 130066		93 57	99 58	125 58	89 58	82 28	88 48				94 0.81 59	97 0.04 50	108 16 58	99 11.3 58	125 5.7 58	114 74 58	96 16.0 42				73 13.7 47		100 14.7 35						
-M 200082 91980540 20082		-M 150067		105 56	80 54	111 53	125 62	96 35	101 48				109 -0.44 58	84 0.59 50	75 -21 62	80 0.8 54	111 1.5 53	97 35 56	79 3.0 23				112 -17.2 46	96 -3.2 20	87 6.6 38						
-M 200087 91980573 20087		-M 160045		117 60	81 59	115 57	110 65	82 38	92 51				115 -0.88 62	102 -0.13 54	91 -3 65	81 1.4 59	115 2.7 57	94 29 60	79 3.0 47				73 13.9 50	90 -2.1 24	94 11.1 40						
-M 200101 91941153 20101		-M 140060		95 60	80 59	121 58	109 62	90 35	89 50				99 0.40 62	88 0.41 54	91 -3 62	80 0.4 59	121 4.4 58	98 37 60	79 3.0 46				94 -2.4 46	94 -3.0 20	90 8.6 40						
-M 200105 91941161 20105		-M 100061		107 59	77 57	92 58	116 62	79 35	72 50				109 -0.45 61	91 0.32 54	87 -8 62	77 -1.0 57	92 -3.6 58	72 -25 59	76 0.8 38				68 17.7 46	93 -2.7 20	89 8.2 39						
-M 200114 91941203 20114		-M 150063		99 59	87 57	103 58	114 62	88 35	88 50				105 -0.12 61	81 0.71 54	88 -6 62	87 4.8 57	103 -0.5 58	92 23 59	86 8.5 42				101 -8.3 46	78 0.3 20	96 12.2 38						
-M 200142 91941252 20142		-M 150061		100 57	94 55	114 55	96 62	102 35	101 48				100 0.31 59	99 -0.03 51	101 8 62	94 8.5 55	114 2.5 55	103 49 57	92 12.8 44				107 -13.3 46	103 -4.6 20	98 13.4 38						
-M 200143 91975698 20143		-M 160013		112 59	81 43	73 55	137 47	82 28	81 42				111 -0.57 61	99 -0.01 53	61 -38 47	81 1.3 43	73 -9.0 55	67 -36 48	80 3.5 32	67 -47 12	71 -7 5	75 -3.4 12	96 -4.4 26	85 -1.0 16	82 3.6 41	79 -10 12	70 -16 12	58 -3.24 5			
-M 200151 92040997 20151		-M 130017		123 62	76 47	71 59	117 66	92 28	76 48				126 -1.83 64	83 0.63 57	86 -8 66	76 -2.0 47	71 -9.5 59	51 -74 57	73 -2.1 32				103 -9.9 28	90 -2.1 15	92 9.8 42						
-M 200152 92041003 20152		-M 100062		118 56	87 54	90 54	111 62						117 -1.08 58	96 0.10 50	91 -3 62	87 4.4 54	90 -4.3 54	79 -9 57	85 7.1 32						97 12.7 38						

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																														
-M 200155 92094424 20155		-M 140021	79 61	101 60	100 58	94 46	85 37	74 49				83 1.72 63	92 0.26 55	104 12 46	101 12.6 60	100 -1.4 58	97 36 55	97 16.5 47	91 41 11			90 5.4 12	82 6.3 47	94 -2.9 23	89 8.2 41	110 7 12	101 14 12			
-M 200201 93811982 20201			108 43	80 35	98 51							112 -0.70 42	84 0.57 48		80 0.5 35	98 -1.8 51		80 3.2 28						106 18.8 30						
-M 210001 93360386 -M 210001		-M 150062	101 55	88 52	113 45	114 63	84 32	92 45				104 -0.01 57	88 0.41 46	87 -7 63	88 5.4 52	113 2.4 45	103 49 53	87 9.0 38				92 -1.5 46	83 -0.7 12	89 7.9 37						
-M 210006 93360329 -M 210006		-M 140028	107 58	84 57	83 50	124 49	85 37	81 46				108 -0.34 60	94 0.18 50	77 -19 49	84 2.6 57	83 -6.3 50	73 -21 52	80 3.9 38				102 -8.9 50	94 -2.8 21	75 -1.0 41						
-M 210007 93360337 -M 210007		-M 120009	132 56	89 56	80 47	117 30	86 35	92 42				123 -1.60 59	114 -0.62 47	87 -8 30	89 5.9 56	80 -7.1 47	74 -19 44	88 9.7 39	77 -11 10			83 1.5 11	91 -0.1 47	93 -2.6 19	86 6.0 40	89 -5 11	81 -4 11			
-M 210008 93360345 -M 210008		-M 140012	128 59	79 58	95 52	119 33	90 37	95 45				126 -1.81 61	96 0.09 51	83 -12 33	79 0.2 58	95 -2.8 52	78 -10 48	78 2.2 46				95 -3.6 50	95 -3.1 20	89 7.9 40						
-M 210009 93360352 -M 210009		-M 140019	105 60	96 60	113 53	102 37	89 38	98 46				101 0.23 62	128 -1.15 52	95 2 37	96 9.6 60	113 2.3 53	107 58 50	94 14.6 46				99 10.6 5	81 7.5 51	101 -4.3 22	93 10.5 42	111 8 5	102 15 5			
-M 210013 93360055 -M 210013		-M 080034	93 61	98 60	104 53	95 37	99 40	91 47				98 0.46 63	84 0.59 54	103 11 37	98 10.9 60	104 -0.2 53	98 38 50	97 16.8 48	87 25 10			92 6.6 10	102 -9.0 52	103 -4.8 23	93 10.7 46	91 -4 10	90 4 9			
-M 210019 93360097 -M 210019		-M 170045	115 59	83 55	105 50	115 48	86 33	92 45				116 -0.99 61	90 0.33 50	87 -8 48	83 2.5 55	105 -0.1 50	89 17 51	82 5.0 42				84 4.9 47	92 -2.4 14	93 10.3 38						
-M 210020 93360105 -M 210020		-M 140027	93 59	81 58	99 52	92 50	93 38	68 47				100 0.31 61	79 0.76 52	107 15 50	81 1.0 58	99 -1.7 52	75 -18 53	76 0.5 42				97 -5.1 51	100 -4.0 22	89 8.0 41						
-M 210024 93359834 -M 210024		-M 130028	109 58	75 57	95 50	122 36	79 34	75 44				106 -0.19 60	103 -0.18 50	80 -16 36	75 -2.5 57	95 -2.9 50	73 -21 48	72 -2.7 40				87 2.4 47	81 -0.2 14	87 6.5 40						
-M 210026 93527893 -M 210026		-M 130017	124 60	82 59	106 53	103 50	96 38	97 48				124 -1.62 62	93 0.21 53	95 2 50	82 1.4 59	106 0.2 53	85 7 54	79 2.8 47				97 -5.4 50	100 -4.1 21	95 11.7 42						

Breeding Values and Accuracies: Cows

Green: >120 High
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Inbreeding in red is high

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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																													
-M 210035 93359917 -M 210035		-M 160060	115 56	85 53	95 47	113 63	83 32	85 46				116 -1.03 58	91 0.28 47	89 -5 63	85 3.2 53	95 -2.8 47	82 -2 54	84 6.3 38				88 1.8 46	83 -0.7 12	91 9.4 38					
-M 210036 93359925 -M 210036		-M 130066	108 57	80 55	116 50	117 40	81 33	91 44				104 0.01 59	110 -0.46 49	84 -11 40	80 0.8 55	116 3.2 50	98 37 48	79 2.7 42				82 6.3 48	78 0.4 12	98 13.3 38					
-M 210043 93359982 -M 210043		-M 120021	127 62	84 60	97 52	99 35	93 38	90 46				122 -1.47 64	108 -0.36 55	99 6 35	84 2.7 60	97 -2.4 52	78 -9 49	84 6.4 47				87 3.5 5	89 1.3 51	102 -4.4 21	94 10.9 42	96 -1 5	86 0 5		
-M 210049 93357846 -M 210049		-M 140006	114 59	77 58	99 52	119 35	84 38	85 45				115 -0.88 61	93 0.22 51	82 -13 35	77 -1.0 58	99 -1.8 52	79 -8 48	73 -1.6 41				89 1.3 52	95 -3.0 22	82 3.7 41					
-M 210063 93357754 -M 210063		-M 150068	100 56	79 54	112 48	124 63	88 32	92 46				99 0.44 58	104 -0.23 48	76 -20 63	79 0.0 54	112 2.0 48	96 33 55	78 1.8 40				94 -2.7 46	88 -1.8 12	92 9.6 38					
-M 210070 93358018 -M 210070		-M 170079	83 57	97 55	112 49	93 63	86 32	80 47				88 1.35 59	90 0.35 49	104 12 63	97 10.5 55	112 1.9 49	103 49 56	94 14.1 36				83 5.9 46	95 -3.0 12	91 9.0 37					
-M 210084 93358158 -M 210084		-M 140024	103 58	88 57	113 50	94 34	78 33	78 43				106 -0.19 60	88 0.43 50	103 11 34	88 5.4 57	113 2.2 50	95 31 47	89 10.5 41				84 4.7 47	88 -1.6 14	80 2.4 39					
-M 210085 93357739 -M 210085		-M 100063	121 56	79 54	96 48	116 63	83 32	85 46				118 -1.14 58	102 -0.15 48	86 -8 63	79 0.1 54	96 -2.5 48	77 -12 55	78 2.1 32				91 -0.8 47	85 -1.1 12	86 6.2 38					
-M 210086 93368603 -M 210086		-M 100066	101 57	84 54	111 48	103 63	85 32	82 47				106 -0.14 59	83 0.60 49	95 2 63	84 2.9 54	111 1.6 48	92 24 55	84 6.4 38				90 0.2 47	87 -1.5 12	90 8.8 38					
-M 210091 93368652 -M 210091		-M 150034	79 59	86 58	127 51	88 48	90 37	78 47				86 1.48 61	83 0.61 51	109 18 48	86 4.3 58	127 6.1 51	102 47 52	80 3.6 46				78 9.8 50	106 -5.3 20	92 10.0 40					
-M 210099 93368736 -M 210099		-M 140008	121 56	80 55	79 49	118 63	83 32	77 47				118 -1.13 58	102 -0.13 48	85 -10 63	80 0.7 55	79 -7.4 49	63 -45 56	79 2.5 34				93 -2.3 46	84 -0.8 12	87 6.7 38					
-M 210110 93368843 -M 210110		-M 150006	90 58	90 56	103 49	88 49	79 35	65 46				96 0.68 60	84 0.59 49	111 20 49	90 6.6 56	103 -0.4 49	87 11 51	89 10.7 42				84 5.0 50	87 -1.4 19	84 4.6 36					

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Green: >120 High
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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
-M 210115 93368892 -M 210115		-M 180011		84 58	90 57	120 50	108 49	84 36	87 46				89 1.22 60	88 0.43 50	92 -2 49	90 6.5 57	120 4.3 50	109 62 52	88 9.7 42				77 10.3 50	95 -3.0 21	91 9.3 38					
-M 210126 93368595 -M 210126		-M 130062		103 57	78 55	104 49	125 63	86 32	87 47				103 0.11 59	99 -0.02 49	75 -21 63	78 -0.4 55	104 -0.4 49	88 13 56	76 0.4 41				89 1.2 46	86 -1.2 12	94 11.0 38					
-M 210127 93368991 -M 210127		-M 160062		98 56	79 53	118 47	121 63	86 32	91 46				100 0.37 58	96 0.11 48	79 -17 63	79 -0.2 53	118 3.6 47	100 41 54	77 1.4 40				92 -1.0 47	88 -1.7 12	90 8.3 38					
-M 210149 93371607 -M 210149		-M 160045		104 58	82 56	110 49	134 44	81 36	96 45				102 0.14 60	103 -0.16 49	63 -35 44	82 1.8 56	110 1.3 49	106 55 50	79 2.7 36				84 5.4 51	89 -1.9 18	85 5.5 39					
-M 210156 93371672 -M 210156		-M 100064		121 54	81 52	92 45	123 63	91 31	95 45				121 -1.41 56	93 0.22 45	78 -18 63	81 1.4 52	92 -3.6 45	80 -6 53	79 2.5 38				92 -1.3 46	96 -3.2 12	92 9.8 34					
-M 220005 94832466 -M 220005		-M 180063		109 52	87 51	100 34							108 -0.32 55	99 0.00 42		87 4.7 51	100 -1.3 34		86 7.9 46				80 8.3 46		87 6.7 31					
-M 220006 94832250 -M 220006		-M 180019		115 55	89 54	102 36	110 32	93 32	98 39				112 -0.63 58	106 -0.29 43	92 -2 32	89 5.6 54	102 -1.0 36	91 20 41	87 8.7 50				100 -7.8 50	101 -4.3 13	86 6.2 34					
-M 220014 94832300 -M 220014		-M 150007		102 56	92 55	112 40	108 26	91 34	97 40				103 0.09 59	95 0.13 45	92 -1 26	92 7.4 55	112 1.9 40	103 49 40	91 12.1 51	83 11 10			88 4.5 11	94 -3.0 50	98 -3.6 16	90 8.3 37	96 -1 11	89 2 11		
-M 220015 94832318 -M 220015		-M 180010		98 54	83 54	108 36	102 22	74 32	70 37				102 0.17 57	89 0.38 42	96 2 22	83 2.3 54	108 0.9 36	89 16 37	80 3.3 50				74 12.5 50	89 -1.8 13	77 0.5 34					
-M 220019 94832334 -M 220019		-M 150013		107 55	87 52	98 36	124 13	82 31	90 35				105 -0.08 58	102 -0.13 44	77 -20 13	87 4.5 52	98 -1.9 36	93 24 34	85 7.4 48	71 -32 5			77 -2.0 5	82 6.4 48	94 -2.8 8	83 4.5 37	84 -8 5	76 -9 5		
-M 220021 94832383 -M 220021		-M 140461		92 52	83 52	115 36							97 0.58 55	86 0.50 42		83 2.1 52	115 2.8 36		83 6.0 48				93 -1.6 46		89 7.7 33					
-M 220023 94832359 -M 220023		-M 190094		106 52	84 50	108 31							109 -0.45 55	87 0.46 40		84 2.7 50	108 0.9 31		82 5.3 48				70 16.0 46		90 8.5 27					

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ID Number Name																														
-M 220027 94832409 -M 220027		-M 190060	94 53	90 53	109 32	108 32	85 31	85 38				90 1.13 57	112 -0.53 41	93 -1 32	90 6.5 53	109 1.0 32	98 38 39		85 7.5 50				87 2.6 50	94 -2.9 11	85 5.3 33					
-M 220030 94832490 -M 220030		-M 170012	107 55	81 54	120 37	112 22	87 33	94 38				108 -0.30 58	95 0.14 43	89 -6 22	81 0.9 54	120 4.1 37	99 40 38		77 1.5 50				97 -5.0 50	96 -3.2 13	81 3.3 36					
-M 220036 94819562 -M 220036		-M 140004	113 56	85 56	101 41	122 24	89 34	96 40				115 -0.92 59	87 0.46 46	79 -17 24	85 3.2 56	101 -1.1 41	91 21 40		82 5.2 52				94 -2.9 51	93 -2.7 15	88 7.6 37					
-M 220040 94832540 -M 220040		-M 170084	108 53	88 51	93 34							108 -0.35 56	95 0.15 43		88 5.3 51	93 -3.3 34			85 7.4 46				98 -5.6 46		85 5.3 34					
-M 220042 94819588 -M 220042		-M 180022	100 55	89 54	109 36	107 22	73 33	78 38				102 0.20 58	95 0.13 43	93 -1 22	89 5.6 54	109 1.2 36	97 35 37		87 8.9 50				67 18.2 50	83 -0.6 13	86 6.4 35					
-M 220048 94819620 -M 220048		-M 100066	90 53	90 51	113 34	109 16	84 28	86 34				96 0.63 56	84 0.60 43	92 -2 16	90 6.3 51	113 2.1 34	102 46 34		88 9.7 46				90 0.2 47		86 6.0 34					
-M 220051 94819638 -M 220051		-M 130023	113 56	68 56	112 42	130 33	84 35	90 41				114 -0.86 59	91 0.29 47	67 -30 33	68 -6.5 56	112 2.0 42	87 10 44		65 -8.1 53				86 3.9 52	88 -1.7 15	90 8.7 38					
-M 220052 94819646 -M 220052		-M 160062	109 52	78 50	107 32	117 16	94 27	93 34				111 -0.56 55	90 0.35 41	85 -11 16	78 -0.6 50	107 0.7 32	87 11 33		77 1.4 47				111 -16.0 47		84 5.2 30					
-M 220058 94832201 -M 220058		-M 100060	115 51	79 48	107 28							115 -0.89 54	95 0.14 39		79 -0.2 48	107 0.6 28			77 1.4 45				96 -4.5 46		84 4.9 33					
-M 220061 94819661 -M 220061		-M 180036	106 51	93 50	108 31							105 -0.09 54	99 -0.03 39		93 7.8 50	108 1.0 31			90 11.3 46				94 -2.5 46		84 4.6 30					
-M 220065 94819703 -M 220065		-M 140064	110 51	86 48	97 28							115 -0.92 54	80 0.73 39		86 4.1 48	97 -2.2 28			85 7.7 46				90 0.0 46		86 6.4 33					
-M 220069 94832532 -M 220069		-M 190011	89 52	94 50	119 31							92 0.98 55	93 0.23 41		94 8.4 50	119 3.9 31			91 12.1 45				70 15.9 46		86 5.9 30					

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Orange: <80 Low

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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																														
-M 220070 94819745 -M 220070		-M 190110	87 49	100 48	108 28							89 1.21 53	95 0.15 37		100 12.2 48	108 0.7 28		97 16.9 45				91 -0.3 46		83 4.3 30						
-M 220071 94832565 -M 220071		-M 130066	91 53	107 52	108 37	91 18	83 28	87 36				94 0.86 56	93 0.22 43	107 16 18	107 16.4 52	108 0.9 37	110 64 36	105 23.2 48				76 11.3 48		93 10.5 33						
-M 220072 94819752 -M 220072		-M 100063	117 52	79 51	104 34	116 16	85 28	89 34				112 -0.62 55	110 -0.44 41	86 -9 16	79 0.1 51	104 -0.4 34	84 5 34	76 0.2 46				94 -2.7 47		86 6.2 33						
-M 220074 94832557 -M 220074		-M 150074	107 52	85 52	106 36							106 -0.15 55	101 -0.08 41		85 3.5 52	106 0.2 36		82 5.1 48				90 0.4 46		89 8.3 33						
-M 220075 94832599 -M 220075		-M 100065	100 56	80 51	99 36							102 0.13 58	92 0.25 47		80 0.6 51	99 -1.7 36		79 2.6 46				94 -3.0 46		85 5.7 34						
-M 220081 94819828 -M 220081		-M 170061	98 53	91 51	106 35	102 16						102 0.19 56	89 0.38 43	96 3 16	91 6.8 51	106 0.3 35	95 31 34	90 11.6 48				98 -6.3 46		92 9.6 28						
-M 220088 94819877 -M 220088		-M 170067	103 52	83 50	97 32	119 16	95 27	91 34				106 -0.14 55	91 0.32 41	83 -12 16	83 2.4 50	97 -2.2 32	84 5 33	81 4.7 46				114 -18.4 47	92 -2.4 5	87 6.6 30						
-M 220090 94832573 -M 220090		-M 110063	100 53	91 52	105 36							105 -0.04 56	84 0.56 43		91 6.8 52	105 0.1 36		92 12.9 48				84 5.0 46		89 8.0 33						
-M 220103 94832581 -M 220103		-M 160044	110 56	93 55	98 38	104 19	89 33	90 38				108 -0.34 59	102 -0.13 45	95 1 19	93 8.1 55	98 -2.1 38	91 21 37	91 12.1 50				87 3.9 5	94 -2.7 50	96 -3.3 14	86 6.0 34	97 -1 5	87 1 5			
-M 220104 94819992 -M 220104		-M 180076	132 52	75 51	86 34							132 -2.29 55	95 0.13 42		75 -2.3 51	86 -5.4 34		75 -0.3 46				92 -0.9 46		86 6.0 30						
-M 220108 94820032 -M 220108		-M 130006	100 56	87 56	111 39	95 14	88 32	82 37				98 0.47 59	104 -0.22 45	102 10 14	87 4.7 56	111 1.6 39	93 25 36	81 4.5 50				94 -2.5 49	106 -5.2 12	76 0.0 35						
-M 220109 94820040 -M 220109		-M 150076	100 53	75 51	109 34							106 -0.18 56	81 0.69 43		75 -2.5 51	109 1.2 34		74 -1.1 48				82 6.7 46		87 6.5 34						

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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																													
-M 220115 94820099 -M 220115		-M 170045	114 55	87 52	107 38	120 24	77 29	93 37				116 -0.96 58	89 0.38 44	81 -15 24	87 4.9 52	107 0.5 38	99 40 38		85 7.3 49			71 15.5 47	88 -1.6 5	88 7.5 34					
-M 220124 94820172 -M 220124		-M 140006	86 55	93 55	106 40	112 24	82 34	83 39				91 1.09 58	89 0.38 45	90 -5 24	93 8.3 55	106 0.4 40	101 45 40		88 9.9 51			86 3.4 52	92 -2.5 16	81 3.3 35					
-M 220128 94820248 -M 220128		-M 100032	105 57	80 57	109 43	127 20	82 35	92 40				110 -0.50 60	82 0.65 48	72 -25 20	80 0.7 57	109 1.2 43	97 36 40		79 2.9 53	69 -41 5		76 -2.5 5	90 0.7 52	89 -1.9 17	83 4.3 37	79 -10 5	72 -13 5		
-M 220130 94832631 -M 220130		-M 160076	103 56	74 52	115 36							102 0.13 58	101 -0.08 47		74 -3.1 52	115 2.8 36			74 -1.3 49			89 1.1 46		90 8.5 30					
-M 220137 94820289 -M 220137		-M 140019	103 57	100 58	99 42	103 26	83 35	88 41				99 0.45 60	126 -1.07 47	95 2 26	100 12.2 58	99 -1.8 42	100 41 42		100 18.8 52			96 9.1 5	78 9.8 51	94 -2.9 16	88 7.6 38	107 6 5	98 12 5		
-M 220140 94820313 -M 220140		-M 150073	110 52	83 51	107 34	117 15						112 -0.70 55	87 0.45 41	85 -11 15	83 2.0 51	107 0.5 34	92 22 33		81 4.4 48			107 -13.3 47		91 9.2 29					
-M 220178 94820511 -M 220178		-M 130028	110 54	80 54	98 37	119 12	85 28	85 35				110 -0.52 57	96 0.10 44	83 -12 12	80 0.3 54	98 -2.0 37	81 -3 34		79 2.6 51			94 -2.8 47	89 -1.8 5	86 5.8 32					
-M 230001 96974118 23 001	BC 181075 -M 130068		113 58	95 62	84 43	88 9	109 20	91 37				115 -0.90 63	90 0.35 41	112 21 9	95 9.2 62	84 -5.9 43	76 -15 38		85 7.7 52	93 46 6		86 3.1 6	109 -14.4 14	106 -5.3 9	107 18.9 38	105 4 6	96 9 6		
-M 230003 96974134 23 003	BC 181075 -M 180009		99 59	110 62	88 43	78 9	113 21	96 37				102 0.15 63	90 0.35 43	126 37 9	110 17.7 62	88 -4.8 43	89 15 38		99 18.3 60	116 130 6		103 12.7 6	104 -10.5 14	115 -7.2 9	111 21.9 40	126 16 6	120 32 6		
-M 230005 96974142 23 005	BC 181075 -M 130060		115 60	99 63	64 45	88 9	111 22	85 38				117 -1.10 64	88 0.42 44	113 22 9	99 11.4 63	64 -11.5 45	64 -44 39		87 8.9 60	93 48 6		86 3.4 6	108 -14.0 14	107 -5.4 9	111 21.9 42	106 5 6	96 10 6		
-M 230006 96974266 23 006		-M 150001	109 52	94 55	99 40	105 22	89 24	92 37				110 -0.50 56	94 0.20 37	94 0 22	94 8.6 55	99 -1.8 40	93 26 39		86 8.0 52			89 1.1 25	100 -4.0 14	87 6.8 33					
-M 230007 96974274 23 007		-M 200080	92 46	90 51	107 26	116 31						94 0.82 52	94 0.19 25	86 -9 31	90 6.5 51	107 0.6 26	100 43 36		84 6.4 46			96 -4.2 23		83 4.0 26					

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Inbreeding in red is high				Value <80				Value >120				Breeding values with an accuracy < 5% are not printed																		
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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																														
-M 230009 96974159 23 009		BC 181075	-M 130028	127 62	91 65	71 46	93 15	110 25	90 41				128 -1.97 66	88 0.41 46	107 15 15	91 6.8 65	71 -9.7 46	62 -47 42		79 3.0 62	87 26 6		81 0.2 6	109 -14.3 22	105 -5.0 10	110 21.3 43	97 0 6	90 4 6		
-M 230010 96974167 23 010			-M 200142	94 48	96 51	109 29	97 31	88 20	86 34				94 0.83 53	101 -0.10 29	100 7 31	96 9.6 51	109 1.0 29	101 44 37		87 9.0 48				90 0.0 23	99 -3.8 10	85 5.5 26				
-M 230012 96974183 23 012		BC 181075	-M 140063	108 59	103 62	85 43	83 9	112 22	96 37				109 -0.43 64	94 0.18 43	119 29 9	103 14.1 62	85 -5.5 43	83 2 38		92 12.7 60	102 79 6		94 7.5 6	106 -11.9 14	109 -5.9 9	113 23.0 42	115 10 6	106 19 6		
-M 230013 96974191 23 013		BC 181075	-M 200152	113 59	105 63	73 40	87 27	109 21	92 40				114 -0.84 64	92 0.27 40	114 23 27	105 14.9 63	73 -9.1 40	76 -14 43		93 13.4 58	97 62 6		89 4.9 6	103 -10.1 14	108 -5.7 9	109 20.7 40	108 6 6	101 15 6		
-M 230015 96974217 23 015			-M 200114	94 49	88 52	106 31	114 31	81 20	83 34				97 0.57 54	92 0.27 30	88 -6 31	88 5.4 52	106 0.4 31	96 33 38		82 5.1 47				90 0.4 23	85 -1.0 10	84 5.1 26				
-M 230023 96974332 23 023		BC 181075	-M 200001	92 60	108 61	83 40	79 27	108 21	85 40				97 0.57 65	87 0.47 41	125 36 27	108 16.7 61	83 -6.1 40	84 4 43		95 15.2 58	105 89 6		95 8.5 6	101 -8.0 14	110 -6.2 9	107 19.4 40	117 11 6	110 23 6		
-M 230024 96974340 23 024			-M 210023	131 48	89 51	91 30	99 32						130 -2.16 53	93 0.22 30	99 6 32	89 5.8 51	91 -4.1 30	79 -7 38		80 3.7 46					89 -1.9 10	79 2.1 27				
-M 230028 96974365 23 028		BC 181075	-M 170072	95 60	115 63	77 45	82 9	111 21	92 38				100 0.33 64	85 0.54 44	121 31 9	115 20.6 63	77 -8.0 45	87 11 39		103 21.6 60	103 84 6		95 8.2 6	104 -10.8 14	110 -6.1 9	112 22.3 41	117 11 6	108 21 6		
-M 230030 96974381 23 030		BC 181075	-M 180084	104 58	108 62	88 44	78 9	110 21	95 37				106 -0.16 63	93 0.22 41	126 36 9	108 16.9 62	88 -4.7 44	88 14 38		96 16.0 59	110 107 6		100 11.3 6	102 -8.8 14	112 -6.5 9	109 20.2 41	124 15 6	116 28 6		
-M 230032 96974407 23 032			-M 150034	86 52	88 55	121 40	95 32	85 24	79 38				93 0.88 56	81 0.69 37	102 9 32	88 4.9 55	121 4.4 40	101 45 42		80 3.3 51				80 8.3 26	100 -4.0 14	87 6.8 33				
-M 230035 96974431 23 035			-M 130017	117 53	78 56	93 42	117 34	91 26	87 40				115 -0.90 57	101 -0.09 40	86 -9 34	78 -0.6 56	93 -3.5 42	73 -22 44		70 -4.1 52				100 -7.1 28	93 -2.7 15	90 8.7 35				
-M 230038 96974464 23 038		BC 181075	-M 130062	110 60	98 63	65 45	91 13	112 23	85 39				112 -0.68 64	90 0.36 44	110 18 13	98 10.7 63	65 -11.2 45	64 -42 40		88 9.6 60	92 44 6		86 2.9 6	108 -14.0 18	106 -5.3 10	114 23.3 42	104 4 6	95 9 6		

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ID Number Name																														
-M 230046 96974530 23 046		-M 140012		109 52	84 55	106 40	122 22	87 25	95 37				108 -0.35 56	99 -0.03 38	79 -17 22	84 2.8 55	106 0.2 40	95 30 39	77 1.1 51				92 -1.0 26	96 -3.3 14	83 4.5 34					
-M 230055 96974621 23 055		-M 150003		99 52	88 55	104 39	114 31	80 23	83 38				96 0.65 56	107 -0.33 37	88 -6 31	88 5.1 55	104 -0.3 39	93 26 42	80 3.3 50				85 3.9 24	90 -2.2 13	80 2.5 32					
-M 230058 96974654 23 058	BC 181075 -M 170060			106 58	101 62	81 44	85 9	109 22	89 37				109 -0.40 63	90 0.35 41	117 26 9	101 12.8 62	81 -6.8 44	78 -9 38	90 11.3 59	99 67 6		91 6.0 6	106 -12.4 14	108 -5.8 9	108 19.7 42	112 8 6	103 16 6			
-M 230061 96974688 23 061	BC 181075 -M 190094			101 58	108 61	83 42	81 9	110 22	92 37				104 -0.02 63	89 0.40 42	123 33 9	108 16.6 61	83 -6.2 42	84 5 37	96 15.8 60	105 92 6		97 9.3 6	99 -6.8 18	110 -6.0 9	114 23.6 39	119 12 6	111 24 6			
-M 230065 96974720 23 065	BC 181075 -M 140066			106 58	104 61	74 42	86 9	111 22	89 37				109 -0.41 63	88 0.43 41	115 24 9	104 14.2 61	74 -8.7 42	76 -15 37	92 12.7 58	96 58 6		89 4.8 6	107 -13.0 14	108 -5.6 9	111 21.7 42	109 6 6	100 13 6			
-M 230067 96974746 23 067		-M 190081		97 44	84 48	108 28							100 0.33 49	92 0.27 25		84 2.8 48	108 0.9 28		78 2.3 45						83 4.0 26					
-M 230070 96974779 23 070	BC 181075 -M 160062			101 58	110 62	78 42	82 13	113 24	93 38				105 -0.06 63	88 0.43 42	121 31 13	110 17.9 62	78 -7.6 42	83 3 39	97 16.9 59	107 97 6		98 9.9 6	108 -13.9 21	113 -6.6 10	109 20.6 42	121 13 6	112 25 6			
-M 230072 96974811 23 072		-M 130023		106 53	73 56	111 42	126 33	83 27	88 40				107 -0.22 57	96 0.09 40	73 -23 33	73 -3.6 56	111 1.6 42	89 16 44	65 -7.9 52				83 6.2 31	90 -2.1 15	90 8.4 35					
-M 230074 96974787 23 074		-M 200155		88 49	100 52	99 31	97 23	80 21	75 33				90 1.16 54	96 0.11 31	101 8 23	100 11.8 52	99 -1.7 31	97 34 35	89 10.6 48	92 43 6		93 7.1 6	78 9.8 24	95 -3.0 12	82 3.4 28	109 6 6	101 15 6			
-M 230075 96974803 23 075	BC 181075 -M 150076			104 60	102 62	76 44	85 9	109 23	87 38				109 -0.41 64	83 0.62 44	117 27 9	102 13.3 62	76 -8.1 44	75 -16 38	90 10.9 60	98 66 6		91 5.8 6	104 -10.4 18	108 -5.7 9	111 21.4 42	111 8 6	102 15 6			
-M 230076 96974829 23 076	BC 181075 -M 200143			112 60	103 61	63 40	100 28	106 24	89 40				113 -0.71 65	92 0.25 41	100 7 28	103 13.7 61	63 -11.9 40	70 -29 43	91 12.1 59	92 44 8		84 2.1 9	108 -13.4 19	106 -5.4 12	103 16.4 41	101 2 9	95 8 9			
-M 230079 96974852 23 079	BC 181075 -M 200041			108 60	104 61	74 41	72 27	110 21	82 40				110 -0.48 65	90 0.34 42	136 49 27	104 14.6 61	74 -8.7 41	71 -27 43	92 12.7 60	97 60 6		89 4.6 6	104 -11.0 15	109 -5.8 9	111 21.7 40	108 6 6	101 14 6			

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ID Number Name																														
-M 230080 96974860 23 080		-M 180017		86 50	95 54	111 36	97 30	85 22	80 36				90 1.13 55	91 0.32 34	101 8 30	95 9.3 54	111 1.6 36	102 46 40	86 8.5 49				83 5.9 25	101 -4.3 12	82 3.4 30					
-M 230087 96974936 23 087		BC 181075 -M 160074		111 58	98 62	76 44	89 13	107 22	86 38				112 -0.70 63	91 0.31 42	112 21 13	98 10.8 62	76 -8.2 44	72 -24 40	86 8.1 58	94 51 6		87 3.8 6	107 -12.7 14	105 -5.0 11	106 18.7 42	107 5 6	98 11 6			
-M 230090 96974977 23 090		BC 181075 -M 150063		97 60	109 63	82 46	86 17	114 24	96 40				99 0.42 64	94 0.19 44	116 25 17	109 17.1 63	82 -6.3 46	87 12 42	98 17.8 60	102 78 6		95 8.1 6	113 -17.3 18	106 -5.3 11	115 24.0 42	114 10 6	104 18 6			
-M 230093 96975032 23 093		-M 160044		109 52	92 55	97 38	101 19	87 25	85 36				103 0.08 56	115 -0.65 37	97 4 19	92 7.6 55	97 -2.3 38	88 14 37	87 9.3 50			89 5.0 5	90 0.1 27	96 -3.2 14	86 6.2 34	99 1 5	90 4 5			
-M 230098 96975073 23 098		BC 181075 -M 150060		101 59	109 63	84 45	79 9	112 22	94 38				106 -0.14 63	85 0.55 43	125 36 9	109 17.4 63	84 -6.0 45	85 8 39	97 17.0 60	109 103 6		99 10.8 6	103 -9.5 14	111 -6.3 9	113 23.1 42	123 15 6	114 27 6			
-M 230099 96975081 23 099		BC 181075 -M 130066		103 60	114 63	86 46	77 18	111 25	99 40				106 -0.15 64	89 0.39 45	127 38 18	114 20.5 63	86 -5.4 46	91 22 42	103 21.2 60	114 122 6		104 13.4 6	98 -6.2 23	109 -5.8 10	118 25.9 42	127 17 6	120 32 6			
-M 230101 96975099 23 101		-M 190053		99 48	98 52	108 31	91 17	83 22	83 32				102 0.17 53	91 0.31 29	107 15 17	98 10.9 52	108 0.8 31	99 41 33	91 12.0 50				80 8.3 25	101 -4.2 10	82 3.6 30					
-M 230102 96975107 23 102		-M 200087		122 49	82 52	104 31	111 32	78 22	86 35				121 -1.45 54	94 0.17 30	90 -4 32	82 1.7 52	104 -0.3 31	86 9 38	75 0.0 48				75 12.1 25	91 -2.3 12	84 4.6 28					
-M 230103 96975115 23 103		BC 181075 -M 130064		103 60	101 62	72 44	87 9	110 22	85 38				106 -0.20 64	86 0.48 44	114 23 9	101 12.7 62	72 -9.2 44	72 -24 38	89 10.7 60	94 52 6		87 3.9 6	108 -13.4 14	107 -5.5 9	110 21.2 42	107 5 6	98 11 6			
-M 230104 96975123 23 104		-M 160011		109 51	91 54	95 37	108 18	75 25	77 35				104 -0.02 55	110 -0.46 35	93 0 18	91 6.6 54	95 -2.9 37	86 10 36	85 7.6 50	78 -9 10		84 1.8 11	86 3.3 25	77 0.6 16	81 3.2 33	89 -5 11	82 -4 11			
-M 230109 96975172 23 109		BC 181075 -M 190016		101 58	109 61	86 42	79 9	110 21	93 37				105 -0.07 63	87 0.47 41	124 35 9	109 17.1 61	86 -5.4 42	87 10 37	97 16.7 58	108 102 6		99 10.6 6	103 -9.5 14	111 -6.3 9	109 20.6 39	122 14 6	114 27 6			
-M 230116 96975230 23 116		BC 181075 -M 170073		108 60	102 63	82 45	83 9	112 21	93 38				108 -0.33 64	98 0.03 44	119 29 9	102 13.4 63	82 -6.6 45	79 -7 39	93 13.8 60	101 75 6		93 7.0 6	105 -11.8 14	109 -5.9 9	115 23.9 40	114 10 6	105 18 6			

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																															
-M 230119 96975263 23 119		BC 181075	-M 130061	115 60	106 62	71 44	85 9	109 22	91 38				117 -1.12 64	87 0.45 44	117 27 9	106 15.5 62	71 -9.7 44	75 -18 38		95 15.5 58	99 67 6		91 5.9 6	106 -12.4 14	108 -5.7 9	106 18.8 42	111 8 6	103 16 6			
-M 230121 96975289 23 121		BC 181075	-M 160076	116 60	97 63	80 45	85 9	113 23	93 38				116 -1.01 64	94 0.20 44	117 27 9	97 10.5 63	80 -6.9 45	74 -20 39		87 9.1 60	98 66 6		91 5.8 6	106 -12.0 18	109 -5.8 9	115 24.2 42	111 8 6	102 16 6			
-M 230123 96975305 23 123		BC 181075	-M 150071	114 58	101 62	73 44	88 9	110 22	90 37				114 -0.81 63	95 0.16 41	114 23 9	101 12.5 62	73 -9.0 44	72 -23 38		91 11.9 58	94 50 6		87 3.6 6	108 -13.6 14	107 -5.5 9	109 20.5 42	106 5 6	97 10 6			
-M 230131 96975388 23 131		BC 181075	-M 170065	107 60	107 62	79 44	79 9	109 21	90 38				110 -0.48 64	88 0.40 44	125 35 9	107 16.1 62	79 -7.3 44	80 -5 38		94 14.7 58	108 102 6		99 10.6 6	102 -9.4 14	111 -6.4 9	108 19.5 41	122 14 6	114 27 6			
-M 230133 96975404 23 133		-M 200105		105 49	82 52	98 31	115 31	77 20	76 34				107 -0.22 54	93 0.21 30	87 -8 31	82 1.9 52	98 -2.1 31	82 0 38		78 1.8 46				73 13.3 23	92 -2.4 10	82 3.5 27					
-M 230138 96975446 23 138		BC 181075	-M 170079	97 60	116 63	91 45	76 13	113 23	101 39				104 0.04 64	81 0.69 44	129 41 13	116 21.6 63	91 -3.8 45	97 34 40		105 22.5 60	114 124 6		104 13.6 6	101 -8.1 18	113 -6.8 10	115 24.4 42	129 18 6	121 34 6			
-M 230139 96975453 23 139		BC 181075	-M 140065	121 59	104 62	71 44	86 13	109 23	93 38				120 -1.29 63	97 0.07 43	117 26 13	104 14.4 62	71 -9.7 44	73 -22 40		92 12.6 59	100 74 6		93 6.9 6	105 -11.3 18	108 -5.7 10	108 20.0 42	114 9 6	105 18 6			
-M 230143 96975495 23 143		-M 180011		101 51	82 54	114 36	114 32	79 24	83 37				104 -0.02 55	89 0.37 35	88 -7 32	82 1.6 54	114 2.4 36	96 32 41		70 -4.0 38				73 13.8 27	91 -2.3 14	86 6.2 30					
-M 230146 96975529 23 146		BC 181075	-M 200201	105 57	107 60	74 39	82 9	112 21	89 36				108 -0.35 62	87 0.45 39	122 32 9	107 15.9 60	74 -8.6 39	77 -12 36		92 12.9 52	105 89 6		96 8.9 6	104 -10.3 14	111 -6.2 9	114 23.4 39	118 12 6	110 23 6			
-M 240011 98372576 24 011		-M 210013		91 49	97 52	104 29	100 19	86 22	83 33				94 0.83 54	92 0.25 31	98 5 19	97 10.7 52	104 -0.4 29	100 41 33		94 14.2 48	88 27 5		92 6.7 5	89 1.2 26	98 -3.7 11	83 4.0 30	97 0 5	93 7 5			
-M 240012 98372618 24 012		-M 210061		97 46	92 51	108 25	112 32	77 18	85 32				99 0.43 52	94 0.18 24	89 -5 32	92 7.3 51	108 0.9 25	101 45 36		91 12.0 47				84 4.9 23	89 -1.9 6	77 0.5 25					
-M 240013 98371776 24 013		-M 170061		100 49	89 51	105 35	100 16						103 0.10 53	90 0.34 34	98 5 16	89 6.0 51	105 0.0 35	92 23 34		87 9.1 48				90 0.2 12		91 9.2 27					

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																														
-M 240015 98371800 24 015		-M 140004		107 52	86 56	102 41	121 24	88 26	94 38				107 -0.26 56	97 0.07 39	80 -16 24	86 3.9 56	102 -0.9 41	93 25 40	84 6.4 52				95 -3.3 29	94 -2.9 15	87 6.7 34					
-M 240016 98371768 24 016		-M 170072		103 49	89 52	100 36							107 -0.27 53	85 0.53 33		89 5.8 52	100 -1.5 36		87 9.0 48					86 6.3 27						
-M 240018 98372097 24 018		-M 170070		112 49	85 52	116 36	112 16						113 -0.73 53	92 0.24 33	89 -5 16	85 3.5 52	116 3.0 36	100 43 35	84 6.4 47				83 6.1 11		86 6.2 27					
-M 240020 98372113 24 020		-M 150003		101 52	89 55	102 39	114 31	80 23	84 38				100 0.37 56	104 -0.23 37	88 -7 31	89 5.8 55	102 -0.8 39	93 26 42	86 8.1 51				86 3.6 24	90 -2.1 13	79 2.0 32					
-M 240021 98372089 24 021		-M 210001		92 47	93 51	110 25	112 32	79 18	85 33				94 0.84 53	96 0.11 27	89 -5 32	93 7.9 51	110 1.4 25	104 51 36	90 11.4 47				85 4.5 23	88 -1.6 6	80 2.5 26					
-M 240023 98372139 24 023		-M 170033		96 51	98 54	89 38	111 24	86 23	84 36				97 0.57 55	98 0.02 36	91 -3 24	98 10.9 54	89 -4.6 38	90 19 39	93 13.9 48				90 0.1 25	100 -4.1 14	80 2.6 31					
-M 240028 98372188 24 028		-M 210086		96 47	85 51	110 26	111 32	80 18	81 33				99 0.43 53	92 0.25 28	90 -4 32	85 3.3 51	110 1.5 26	95 30 36	82 4.7 47				85 4.3 23	89 -1.8 6	82 3.3 26					
-M 240029 98372196 24 029		-M 210063		99 47	85 51	108 26	119 32	81 18	86 33				98 0.50 53	101 -0.11 28	82 -13 32	85 3.3 51	108 0.9 26	97 34 36	81 4.5 48				86 3.4 23	90 -2.0 6	82 3.4 26					
-M 240030 98372204 24 030		-M 180017		86 50	91 54	115 36	107 30	84 22	84 36				90 1.17 55	90 0.32 34	93 -1 30	91 6.7 54	115 2.9 36	104 52 40	88 9.6 50				87 3.0 25	98 -3.7 12	81 2.8 30					
-M 240033 98372238 24 033		-M 140012		107 52	91 55	101 40	118 22	86 25	95 37				107 -0.22 56	98 0.01 38	84 -11 22	91 7.1 55	101 -1.0 40	97 35 39	90 11.1 52				89 0.9 26	98 -3.7 14	83 4.0 34					
-M 240039 98372436 24 039		-M 150070		101 48	89 51	102 34							102 0.20 52	97 0.07 32		89 5.7 51	102 -0.9 34		86 8.2 46						85 5.5 30					
-M 240042 98372493 24 042		-M 170075		98 49	85 51	109 34							101 0.24 53	91 0.30 33		85 3.2 51	109 1.1 34		83 5.6 47						83 4.5 27					

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high

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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																													
-M 240045 98372279 24 045		-M 170064	109 49	87 51	114 34							109 -0.42 53	95 0.13 33		87 4.3 51	114 2.5 34		86 7.9 46					84 4.9 27						
-M 240048 98372303 24 048		-M 130028	106 51	83 54	97 37	114 12	81 18	79 33				106 -0.12 55	99 -0.03 36	88 -7 12	83 2.3 54	97 -2.4 37	82 -1 34		79 3.2 51			85 4.0 17	89 -1.8 5	85 5.3 32					
-M 240050 98372329 24 050		-M 200003	97 48	91 52	104 29	118 31	85 20	90 34				100 0.29 53	89 0.38 29	84 -11 31	91 6.9 52	104 -0.3 29	99 39 37		92 12.6 47			96 -4.4 23	91 -2.3 10	81 2.9 26					
-M 240053 98372352 24 053		-M 170071	108 48	76 51	109 34							111 -0.55 52	89 0.38 32		76 -2.0 51	109 1.2 34		74 -0.7 45					84 4.7 27						
-M 240054 98372360 24 054		-M 140027	84 52	89 56	117 41	102 34	90 26	84 39				90 1.17 56	86 0.49 38	95 2 34	89 5.7 56	117 3.3 41	102 48 44		84 6.9 52			92 -1.0 29	99 -3.8 16	87 6.9 34					
-M 240055 98372378 24 055		-M 150013	108 52	83 52	101 36	128 13	83 20	92 33				106 -0.13 56	105 -0.26 36	72 -25 13	83 2.1 52	101 -1.2 36	92 23 34		80 3.5 48	66 -52 5		72 -4.7 5	89 1.4 19	93 -2.7 8	82 3.5 34	78 -11 5	69 -16 5		
-M 240056 98372386 24 056		-M 130066	99 49	91 52	115 37	101 18	83 17	87 33				101 0.29 53	94 0.17 35	96 3 18	91 6.7 52	115 2.9 37	103 49 36		88 9.7 48			81 7.6 19		92 9.9 30					
-M 240057 98372394 24 057		-M 190027	100 46	83 50	110 31							102 0.21 51	95 0.16 30		83 2.0 50	110 1.3 31		81 4.6 45					84 5.0 24						
-M 240059 98372410 24 059		-M 130064	107 49	85 51	92 34							111 -0.55 53	87 0.46 33		85 3.4 51	92 -3.7 34		82 5.2 48					85 5.5 30						
-M 240064 98371982 24 064		-M 160076	115 49	73 52	107 36							113 -0.78 53	98 0.02 34		73 -3.3 52	107 0.7 36		72 -2.3 49			87 2.7 12		89 8.1 29						
-M 240066 98372006 24 066		-M 150074	94 48	96 52	106 36							95 0.77 52	100 -0.06 32		96 9.7 52	106 0.2 36		95 15.1 48			85 4.2 12		88 7.5 30						
-M 240068 98372048 24 068		-M 170079	92 49	88 52	125 36	106 16	85 14	91 32				96 0.66 53	88 0.42 34	93 -1 16	88 5.2 52	125 5.6 36	110 65 35		87 9.0 48			86 3.8 11		90 8.3 29					

Breeding Values and Accuracies: Cows

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White: 80-120 Average
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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																													
-M 240078 98372519 24 078		-M 170076	117 49	89 51	85 34							117 -1.06 53	94 0.20 33		89 5.5 51	85 -5.5 34		85 7.7 45					82 3.5 28						
-M 240079 98372535 24 079		-M 210050	87 46	104 51	110 25	98 32						90 1.16 52	93 0.22 24	100 7 32	104 14.4 51	110 1.5 25	111 69 36	99 18.5 47				77 10.2 23		78 1.1 26					
-M 240085 98372642 24 085		-M 190036	106 46	89 50	122 31							105 -0.09 51	100 -0.07 30		89 5.9 50	122 4.6 31		88 9.9 46					85 5.2 26						
-M 240086 98372659 24 086		-M 150076	105 49	81 51	102 34							108 -0.36 53	86 0.50 34		81 1.1 51	102 -0.9 34		80 3.5 48				85 3.9 12		85 5.6 30					
-M 240087 98371669 24 087		-M 210127	93 47	86 51	112 26	116 32	80 18	84 33				94 0.84 53	99 -0.01 28	85 -10 32	86 3.9 51	112 1.9 26	100 41 36	82 5.4 48				84 4.7 23	90 -2.1 6	81 2.7 26					
-M 240091 98371693 24 091		-M 170068	108 49	79 51	100 34							110 -0.49 53	92 0.27 33		79 0.2 51	100 -1.4 34		78 1.7 45					82 3.9 28						
-M 240094 98371727 24 094		-M 200006	100 48	93 52	95 29	106 31						101 0.29 53	98 0.01 29	94 0 31	93 7.8 52	95 -2.9 29	88 15 37	89 10.9 47					81 2.9 27						
-M 240095 98371735 24 095		-M 200041	107 49	81 49	103 30	94 31						108 -0.31 54	94 0.19 30	104 12 31	81 0.8 49	103 -0.7 30	78 -10 37	80 3.7 47				87 2.4 6		86 5.8 25					
-M 240098 98371859 24 098		-M 210132	100 46	85 51	106 27	115 32						100 0.30 52	97 0.06 25	87 -8 32	85 3.3 51	106 0.3 27	92 24 37	82 5.2 47				84 5.0 23		78 1.3 26					
-M 240102 98371610 24 102		-M 210115	86 48	91 51	115 27	112 24	79 20	83 32				89 1.24 53	95 0.16 29	89 -5 24	91 6.7 51	115 2.7 27	106 56 34	88 9.9 48				78 9.5 25	92 -2.5 10	82 3.4 26					
-M 240103 98371628 24 103		-M 170045	115 51	83 52	109 38	124 24	81 18	96 35				114 -0.82 55	98 0.03 36	76 -20 24	83 2.3 52	109 1.1 38	98 38 38	81 4.5 49				82 6.5 18	89 -1.8 5	87 6.5 31					
-M 240104 98371636 24 104		-M 180084	95 46	94 51	114 34							96 0.70 51	100 -0.04 30		94 8.6 51	114 2.6 34		92 12.7 46					83 4.3 27						

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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																														
-M 240114 98371016 24 114		-M 130041	123 51	82 55	107 38	116 11	79 17	92 33				120 -1.29 55	104 -0.20 36	85 -9 11	82 1.4 55	107 0.5 38	90 18 35		79 2.8 52				82 6.8 13	90 -2.0 6	82 3.5 32					
-M 240122 98371081 24 122		-M 200142	124 48	80 52	105 29	114 31	88 20	94 34				125 -1.73 53	88 0.40 29	88 -6 31	80 0.4 52	105 0.0 29	85 7 37		79 3.0 48				96 -4.3 23	94 -3.0 10	84 5.0 26					
-M 240123 98371099 24 123		-M 200152	107 48	95 51	94 29	111 31						107 -0.29 53	96 0.10 29	91 -3 31	95 9.1 51	94 -3.1 29	91 22 37		93 13.8 46						84 4.8 26					
-M 240126 98371123 24 126		-M 210110	92 47	88 51	108 27	109 24	77 20	77 32				95 0.71 53	91 0.30 28	92 -2 24	88 5.2 51	108 0.8 27	96 31 34		90 11.2 48				85 4.6 25	86 -1.3 10	78 1.2 26					
-M 240130 98372667 24 130		-M 200101	91 49	87 52	113 31	108 31	81 20	81 34				93 0.91 54	96 0.12 31	93 -1 31	87 4.5 52	113 2.4 31	99 39 38		83 5.6 48				84 4.8 23	94 -2.9 10	81 2.8 28					
-M 240133 98371180 24 133		-M 160011	114 51	87 54	95 37	114 18	74 25	80 35				110 -0.48 55	108 -0.36 35	88 -6 18	87 4.4 54	95 -2.7 37	84 5 36		85 7.5 50	72 -29 10		79 -0.9 11	89 1.5 25	75 0.9 16	80 2.6 33	83 -8 11	75 -10 11			
-M 240136 98371214 24 136		-M 210069	101 46	92 51	105 26	117 32	76 18	87 33				101 0.24 52	99 0.00 25	85 -11 32	92 7.5 51	105 -0.1 26	101 43 36		91 12.1 48				82 6.7 23	88 -1.7 6	78 0.8 26					
-M 240138 98371248 24 138		-M 210043	106 49	84 52	106 28	114 17	83 21	87 32				104 0.03 54	106 -0.28 31	88 -7 17	84 2.9 52	106 0.2 28	91 20 32		83 6.1 48				86 3.3 25	94 -2.9 10	82 3.8 28					
-M 240146 98371313 24 146		-M 110063	103 49	87 52	105 36							106 -0.13 53	91 0.28 34		87 4.7 52	105 -0.1 36			89 10.6 48				88 2.0 12		88 7.1 30					
-M 240151 98371362 24 151		-M 190094	100 46	85 50	110 31							103 0.10 51	92 0.26 30		85 3.6 50	110 1.5 31			84 7.0 48				82 6.6 12		89 7.7 23					
-M 240159 98371446 24 159		-M 110065	99 48	85 51	114 34							103 0.05 52	86 0.51 33		85 3.3 51	114 2.7 34			83 6.0 46						81 3.0 30					
-M 240165 98371503 24 165		-M 190041	88 46	96 50	112 31							92 0.99 51	91 0.29 30		96 10.0 50	112 1.9 31			93 13.4 45						85 5.7 23					

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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																															
-M 250002 6020057706 -M 250002		-M	160007	106 52	84 33	97 36	122 23	79 21	84 31				105 -0.10 56	98 0.01 37	79 -17 23	84 3.1 33	97 -2.1 36	88 13 31	82 5.2 24				90 0.0 24	93 -2.7 13	71 -2.9 27						
-M 250003 6020057995 -M 250003		-M	220088	95 46	87 25	104 16	118 8	82 14	83 20				96 0.63 52	96 0.08 25	84 -11 8	87 4.4 25	104 -0.4 16	94 28 16	84 7.0 23				98 -5.8 23		74 -1.3 15						
-M 250005 6020057748 -M 250005		-M	210020	92 48	85 29	104 26	102 25	81 19	71 27				96 0.66 54	90 0.34 29	96 2 25	85 3.2 29	104 -0.3 26	87 11 27	81 4.2 21				89 0.9 26	94 -2.9 11	75 -0.6 20						
-M 250011 6020058001 -M 250011		-M	180017	99 50	86 32	112 34	105 30	82 20	82 31				104 0.02 55	85 0.54 34	94 0 30	86 4.0 32	112 1.8 34	95 31 32	84 6.5 26				87 2.6 25	98 -3.7 12	75 -0.7 23						
-M 250016 6020057847 -M 250016		-M	220117	124 47	83 29	96 22	121 13	83 19	92 24				119 -1.27 53	106 -0.29 28	81 -15 13	83 2.2 29	96 -2.6 22	84 4 21	80 3.7 27	77 -11 5		82 0.7 5	92 -1.6 26	98 -3.8 8	72 -2.5 22	91 -4 5	83 -3 5				
-M 250018 6020057839 -M 250018		-M	170079	99 49	89 26	121 35	99 16	83 12	87 26				104 0.02 53	85 0.56 34	98 5 16	89 5.5 26	121 4.4 35	104 52 26	87 9.0 23				84 4.8 11		86 6.0 22						
-M 250019 6020057789 -M 250019		-M	220140	105 46	84 25	107 17	117 8						107 -0.25 52	92 0.26 25	85 -10 8	84 2.6 25	107 0.5 17	93 25 17	82 4.8 24				95 -3.2 23		76 0.0 14						
-M 250024 6020057870 -M 250024		-M	170012	92 51	87 32	124 35	108 22	82 21	88 30				94 0.85 55	96 0.09 35	92 -2 22	87 4.7 32	124 5.2 35	108 61 30	84 6.6 27				91 -0.6 26	95 -3.0 13	75 -1.0 25						
-M 250026 6020094444 -M 250026		-M	210043	121 48	81 30	100 26	110 17	81 19	84 26				119 -1.24 53	99 -0.03 31	92 -2 17	81 1.2 30	100 -1.3 26	81 -2 24	80 3.7 24				85 4.1 25	95 -3.1 10	78 0.9 21						
-M 250028 6020057896 -M 250028		-M	170061	95 49	90 24	107 33	98 16						97 0.55 53	92 0.25 34	99 6 16	90 6.5 24	107 0.6 33	94 28 24	88 9.8 23				91 -0.1 12		87 7.0 20						
-M 250030 6020057912 -M 250030		-M	170068	111 49	80 23	98 32							113 -0.75 53	90 0.33 33		80 0.6 23	98 -2.0 32		79 2.5 12						77 0.3 20						
-M 250031 6020057946 -M 250031		-M	140004	106 52	86 36	103 40	120 24	86 24	92 33				106 -0.13 56	97 0.05 39	81 -14 24	86 4.1 36	103 -0.6 40	94 27 33	85 7.3 32				95 -3.6 29	94 -2.8 15	83 4.1 28						

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																													
-M 250032 6020057953 -M 250032		-M 130066	97 49	90 26	117 35	103 18	81 15	85 26				99 0.43 53	95 0.14 35	95 2 18	90 6.3 26	117 3.3 35	104 51 26	88 10.1 22				82 6.6 19		88 7.4 23					
-M 250033 6020057961 -M 250033		-M 150063	92 49	89 26	110 35	115 16	84 13	87 26				93 0.91 53	100 -0.04 34	87 -8 16	89 5.5 26	110 1.3 35	100 42 26	86 8.2 23				95 -3.4 11	86 -1.2 5	85 5.6 22					
-M 250035 6020057938 -M 250035		-M 150034	81 52	90 34	122 38	94 32	83 22	77 33				89 1.27 56	82 0.65 37	102 10 32	90 6.3 34	122 4.8 38	105 53 35	87 8.8 30				81 7.4 26	99 -3.8 14	82 3.7 26					
-M 250036 6020094303 -M 250036		-M 140012	108 52	86 35	105 39	121 22	84 22	93 32				107 -0.27 56	99 0.00 38	80 -15 22	86 3.9 35	105 0.1 39	96 32 32	84 6.7 30				92 -1.3 26	96 -3.2 14	78 1.2 27					
-M 250038 6020056682 -M 250038		-M 220061	108 46	87 25	107 16							108 -0.33 52	96 0.09 24		87 4.3 25	107 0.5 16		84 6.9 24				88 2.2 23		72 -2.3 15					
-M 250045 6020056732 -M 250045		-M 220070	98 46	91 24	106 14							100 0.35 52	94 0.18 24		91 6.7 24	106 0.4 14		88 9.8 22				86 3.3 23		72 -2.4 14					
-M 250046 6020056740 -M 250046		-M 210008	127 48	77 29	98 26	118 17	79 18	86 26				127 -1.89 54	91 0.29 29	84 -11 17	77 -1.4 29	98 -1.9 26	77 -12 24	75 0.0 23				88 1.6 25	92 -2.4 10	75 -0.6 20					
-M 250047 6020056757 -M 250047		-M 220178	105 47	82 27	103 19	118 6	77 14	80 21				105 -0.10 53	97 0.08 26	84 -11 6	82 1.8 27	103 -0.6 19	88 13 17	81 4.1 26				88 2.0 24		73 -1.7 16					
-M 250051 6020056799 -M 250051		-M 160065	112 49	81 23	99 32							113 -0.73 53	93 0.22 33		81 1.1 23	99 -1.6 32		80 3.2 6						74 -1.1 23					
-M 250054 6020056971 -M 250054		-M 130064	115 49	76 23	94 32							118 -1.16 53	85 0.56 33		76 -1.7 23	94 -3.0 32		75 -0.3 19						80 2.2 23					
-M 250056 6020056997 -M 250056		-M 220108	105 47	84 28	108 19	106 7	78 16	79 22				105 -0.07 53	99 0.00 27	94 0 7	84 2.8 28	108 0.8 19	90 19 18	80 3.4 24				88 2.2 25	97 -3.5 6	69 -4.6 17					
-M 250062 6020056856 -M 250062		-M 170073	126 49	72 25	105 34							125 -1.73 53	95 0.16 33		72 -4.1 25	105 -0.1 34		71 -3.1 24						85 5.5 19					

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																													
-M 250063 6020056864 -M 250063		-M 220072	121 46	77 25	102 17	117 8	77 14	83 21				119 -1.28 52	98 0.02 25	85 -9 8	77 -1.4 25	102 -0.7 17	80 -4 17	74 -1.0 24				88 2.1 23		74 -1.5 17					
-M 250067 6020094394 -M 250067		-M 220027	121 47	77 26	102 16	113 16	77 15	81 22				121 -1.38 53	95 0.16 25	89 -6 16	77 -1.0 26	102 -0.7 16	80 -5 19	74 -0.7 26				84 4.7 25	91 -2.3 5	73 -1.9 16					
-M 250069 6020057110 -M 250069		-M 220075	89 46	87 26	106 18							90 1.14 52	99 -0.02 27		87 4.6 26	106 0.2 18		85 7.2 23				88 2.0 23		73 -1.8 17					
-M 250071 6020057136 -M 250071		-M 220058	112 46	80 24	106 14							112 -0.69 52	94 0.17 24		80 0.5 24	106 0.3 14		78 2.1 22				89 1.2 23		73 -2.1 17					
-M 250074 6020058019 -M 250074		-M 220074	111 46	82 26	105 18							111 -0.56 52	96 0.11 25		82 1.7 26	105 0.0 18		79 3.1 24				86 3.6 23		75 -0.5 16					
-M 250076 6020056906 -M 250076		-M 170033	105 51	88 33	91 36	116 24	84 21	82 30				106 -0.14 55	95 0.13 36	87 -8 24	88 5.1 33	91 -3.9 36	83 1 31	85 7.6 23				93 -2.3 25	97 -3.6 14	75 -0.9 24					
-M 250077 6020056914 -M 250077		-M 190054	136 46	72 21	96 29							132 -2.29 51	107 -0.32 30		72 -3.9 21	96 -2.5 29		71 -3.1 12						79 2.0 16					
-M 250078 6020056922 -M 250078		-M 190134	108 44	81 13	103 19							111 -0.55 49	89 0.38 25		81 1.3 13	103 -0.6 19								80 2.1 14					
-M 250080 6020056948 -M 250080		-M 220021	84 46	89 26	114 18							87 1.45 52	96 0.09 25		89 5.6 26	114 2.5 18		87 9.2 24				87 2.6 23		75 -0.7 17					
-M 250081 6020056955 -M 250081		-M 220048	83 46	92 25	113 17	113 8	77 14	81 21				87 1.46 52	95 0.14 26	89 -6 8	92 7.6 25	113 2.1 17	106 56 17	90 11.0 23				86 3.6 23		74 -1.6 17					
-M 250082 6020057003 -M 250082		-M 210019	105 48	85 28	106 25	116 24	77 17	84 26				106 -0.19 53	94 0.16 29	86 -9 24	85 3.4 28	106 0.4 25	93 26 26	83 5.8 22				83 5.9 24	90 -2.1 7	77 0.6 19					
-M 250085 6020058035 -M 250085		-M 220128	92 47	87 28	111 21	122 10	76 18	84 23				94 0.80 53	94 0.19 28	78 -18 10	87 4.5 28	111 1.6 21	103 50 20	85 7.3 26				86 3.8 26	89 -1.8 9	72 -2.4 19					

Breeding Values and Accuracies: Cows

Green: >120 High
White: 80-120 Average
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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	
-M 250090 6020057045 -M 250090		-M 220104	120 46	79 25	96 17							119 -1.25 52	95 0.14 25		79 -0.2 25	96 -2.6 17		78 1.7 24				87 3.0 23		74 -1.6 15						
-M 250104 6020094725 -M 250104		-M 170065	103 49	82 23	110 32							105 -0.05 53	94 0.19 33		82 1.8 23	110 1.3 32		81 4.3 16						77 0.3 20						
-M 250106 6020057144 -M 250106		-M 190058	104 44	84 13	106 19							106 -0.14 49	94 0.20 25		84 2.6 13	106 0.3 19								80 2.1 14						
-M 250112 6020057201 -M 250112		-M 220137	114 47	88 29	101 21	112 13	76 18	84 24				110 -0.52 53	107 -0.34 27	90 -4 13	88 5.3 29	101 -1.2 21	90 19 21	87 9.0 26				80 8.3 26	91 -2.3 8	75 -0.8 19						
-M 250120 6020057474 -M 250120		-M 160011	105 51	93 33	96 36	107 18	72 22	75 30				100 0.31 55	111 -0.50 35	94 0 18	93 8.2 33	96 -2.6 36	90 18 29	91 12.1 26	78 -7 10			84 2.1 11	87 2.6 25	76 0.7 16	75 -0.6 26	90 -4 11	83 -3 11			
-M 250121 6020057458 -M 250121		-M 170070	105 49	85 25	119 35	110 16						106 -0.13 53	96 0.12 33	91 -3 16	85 3.5 25	119 4.0 35	102 48 25	84 6.4 18				83 5.9 11		82 3.4 20						
-M 250123 6020057334 -M 250123		-M 210070	92 47	91 27	109 25	104 32	77 16	77 27				95 0.73 53	93 0.22 28	95 1 32	91 6.6 27	109 1.2 25	98 38 28	88 9.5 18				82 6.4 23	92 -2.4 6	76 -0.1 19						
-M 250124 6020057342 -M 250124		-M 190036	120 46	78 21	122 29							119 -1.25 51	96 0.12 30		78 -0.4 21	122 4.8 29		78 1.8 16						80 2.3 19						
-M 250125 6020057359 -M 250125		-M 110065	88 49	88 23	119 32							92 1.01 53	90 0.33 33		88 5.4 23	119 3.8 32		87 8.7 16						75 -0.7 23						
-M 250126 6020057367 -M 250126		-M 150001	119 52	90 34	97 38	104 22	87 22	89 31				120 -1.36 56	89 0.40 37	95 2 22	90 6.1 34	97 -2.3 38	86 10 31	87 9.3 31				89 0.8 25	99 -4.0 14	82 3.9 26						
-M 250146 6020094352 -M 250146		-M 220115	98 47	90 26	109 19	118 12	73 15	84 22				99 0.44 53	97 0.07 26	83 -12 12	90 6.3 26	109 1.2 19	103 50 19	87 9.0 24				76 11.2 24		75 -0.9 17						
-M 250150 6020058142 -M 250150		-M 180009	93 48	88 23	118 32							95 0.77 52	96 0.10 32		88 5.4 23	118 3.6 32		87 9.3 20						81 3.1 19						

Breeding Values and Accuracies: Cows

Green: >120 High
White: 80-120 Average
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Inbreeding in red is high

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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	Calv 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
-M 250158 6020058159 -M 250158		-M 110063		93 49	93 26	107 34							95 0.75 53	96 0.12 34		93 7.9 26	107 0.4 34		93 13.8 22				88 2.2 12		83 4.5 23					
-M 250159 6020058092 -M 250159		-M 210035		103 46	87 27	102 24	115 32	76 16	80 27				104 0.04 52	96 0.10 27	87 -8 32	87 4.4 27	102 -0.7 24	91 21 28	85 7.3 19				85 4.3 23	86 -1.2 6	76 0.1 19					
-M 250160 6020058100 -M 250160		-M 180033		113 49	82 31	103 34	120 32	69 20	79 30				114 -0.80 54	92 0.26 33	82 -13 32	82 1.6 31	103 -0.6 34	88 15 32	80 3.9 22				79 9.1 24	80 0.0 13	71 -3.0 23					
-M 250169 6020094709 -M 250169		-M 110061		107 46	82 25	101 34							108 -0.36 50	92 0.26 33		82 1.8 25	101 -1.2 34		81 4.0 18						76 -0.2 23					
-M 250175 6020058118 -M 250175		-M 090065		89 48	89 25	112 34							92 0.98 52	91 0.28 33		89 5.9 25	112 1.8 34							74 -1.1 23						
-M 250180 6020058084 -M 250180		-M 200114		96 48	88 29	106 29	115 31	78 17	82 28				99 0.39 53	90 0.33 30	87 -8 31	88 4.9 29	106 0.3 29	96 32 30	86 8.0 21				91 -0.7 23	83 -0.7 10	79 1.5 19					

Selection List on Cow Value

Bulls 2 years and older

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	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	CM 200018	CM2018	X 120105	CM 100110	0.0	HH	0	0	0	6.4	127	91	116	92	95	88	86	86	107	87	120	81	107	85	116	82
2	MX 230134	23 0134	HS 200152	HS 200200	4.1	HH	0	0	0	6.4	85	85	116	85	112	83	107	82	118	82	129	76	100	82	123	77
											★★★★★															
1	BC 191020	BC191020	BA 150135	X 070048	0.1	HH	0	0	0	6.4	76	87	128	88	112	84	84	81	107	82	113	77	128	80	113	78
2	-M 230137	23 137	CM 200018	-M 180071	0.0						123	57	107	60	96	45	94	17	100	28	110	39				
3	-M 240063	24 063	CM 200018	-M 210156	0.0						127	58	98	61	94	39	107	23	100	31	110	40				
4	-M 240125	24 125	CM 200018	-M 130023	0.0						117	63	92	65	105	52	112	31	101	36	111	46				
5	MX 244024	24 4024	BOS 033210	HS 080120	1.6	HH	0	0	0	6.4	120	88	109	88	100	88	88	87	104	87	112	80	106	86	108	81
											★★★★★															
1	BC 181075	BC181075	X 090138	X 110087	0.1	HH	0	0	0	6.4	102	93	135	94	50	87	67	82	128	84	102	81	111	82	100	81
2	BC 225042	BC225042	SPB 170099	BC 175058	0.0	HH	0	0	0	6.4	110	80	116	81	104	79	83	76	97	77	107	72	113	77	105	73
3	-M 190040	-M 190040		-M 050009	0.0	PcH	0	0	0	6.4	104	89	108	89	91	86	112	85	94	85	104	80	110	84	102	81
4	-M 220004	-M 220004	BC 181075	-M 180009	0.0	HH	0	0	0	6.4	98	83	130	84	76	80	73	78	118	79	106	74	127	78	107	75
5	-M 230019	23 019	-M 200154	-M 150007	0.0						101	58	109	61	107	47	90	28	97	31	102	42				
6	-M 230043	23 043	-M 200154	-M 200140	0.0	PcH	0	0	0	6.4	98	80	106	81	99	77	113	76	95	77	105	72	94	75	99	73
7	-M 230082	23 082	BC 181075	-M 190111	0.0						106	61	115	65	78	44	87	26	110	28	100	42				
8	-M 230084	23 084	CM 200018	-M 170084	0.0	PcH	0	0	0	6.4	117	83	117	83	73	81	95	79	105	79	106	74	97	78	100	75
9	-M 230122	23 122	CM 200018	-M 150070	0.0	HH	0	0	0	6.4	111	83	120	83	80	81	92	78	104	79	107	74	104	78	103	75
10	-M 230124	23 124	CM 200018	-M 150072	0.0						122	58	104	60	96	45	99	23	100	29	109	41				
11	-M 240004	24 004	BC 181075	-M 180019	0.0						114	61	110	65	79	45	83	28	117	29	105	43				
12	-M 240077	24 077	CM 200018	-M 180083	0.0						119	59	107	60	101	45	90	17	100	28	108	40				
13	-M 240088	24 088	BC 191020	-M 150069	0.0						102	57	107	61	107	47	84	23	107	29	104	41				
14	-M 240105	24 105	CM 200018	-M 200201	0.0						117	57	98	59	98	41	93	17	102	27	101	38				
15	-M 240112	24 112	CM 200018	-M 180022	0.0						114	61	112	63	98	47	85	30	97	33	103	44				
16	-M 240120	24 120	MX 211012	-M 200110	0.0						124	54	91	56	103	38	117	32	86	27	103	39				
17	-M 240131	24 131	CM 200018	-M 180071	0.0						130	57	94	60	99	45	97	17	100	28	105	39				
18	-M 240173	24 173	CM 200018	-M 200128	0.0						117	58	102	59	98	42	99	30	97	28	104	41				

Selection List on Cow Value

Bulls 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	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	-M 210030	-M 210030				123 50	87 54	100 37	100 16	92 17	92 33			
2	-M 210058	-M 210058				92 54	109 58	97 40	94 22	92 25	91 38			
3	-M 230014	23 014	BC 181075	-M 110062		97 59	109 62	83 43	83 9	111 22	92 37			
4	-M 230025	23 025	BC 181075	-M 190045	0.0 HH 0 0 0	106 83	120 84	67 80	80 78	108 79	92 74	101 78	89 75	
5	-M 230031	23 031	-M 200132	-M 170061		80 58	108 59	108 41	88 17	99 21	92 37			
6	-M 230052	23 052	BC 181075	-M 140027		83 63	124 67	83 50	74 29	118 32	98 45			
7	-M 230094	23 094	MX 211018	-M 200095		79 53	106 57	121 38	90 32	88 29	90 39			
8	-M 230149	23 149		-M 200073	0.0 HH 0 0 0	95 79	114 79	110 77	84 76	88 76	95 71	104 75	92 72	
9	-M 230165	23 165	-M 200154	-M 170028	0.0 HH 0 0 0	102 82	107 82	94 80	92 78	97 78	96 73	113 77	94 74	
10	-M 240002	24 002	BC 191020	-M 110017		84 60	113 62	111 47	90 20	90 29	95 41			
11	-M 240005	24 005	BC 181075	-M 180076		116 59	106 62	64 44	88 9	110 23	91 38			
12	-M 240019	24 019	-M 200132	-M 210008		94 57	98 60	106 36	105 22	94 26	95 38			
13	-M 240031	24 031	BC 181075	-M 130017		112 64	109 67	65 50	83 29	119 31	95 46			
14	-M 240035	24 035	BC 181075	-M 180009		97 59	110 62	89 43	78 9	113 21	96 37			
15	-M 240037	24 037	-M 200132	-M 180033		85 59	97 62	111 42	111 26	84 27	90 41			
16	-M 240038	24 038	BC 181075	-M 160007		104 62	117 65	65 47	86 21	110 29	94 43			
17	-M 240043	24 043	BC 191020	-M 170065		89 57	106 60	111 45	88 19	99 27	96 39			
18	-M 240060	24 060	-M 200132	-M 210035		96 57	98 59	103 34	101 19	91 24	90 37			
19	-M 240072	24 072	-M 210030	-M 210126		121 51	84 55	96 32	112 20	91 21	93 34			
20	-M 240076	24 076	-M 200132	-M 210036		92 57	95 60	114 35	102 20	90 25	91 38			
21	-M 240083	24 083	CM 200018	-M 190054		123 57	92 60	90 44	97 17	100 28	96 39			
22	-M 240092	24 092	-M 200132	-M 210026		92 58	106 60	105 36	90 22	97 26	94 38			
23	-M 240093	24 093	-M 200132	-M 210003		80 56	97 60	110 35	110 16	91 25	91 37			
24	-M 240100	24 100	-M 200132	-M 210019		86 57	98 60	112 35	103 21	92 25	92 38			
25	-M 240109	24 109	BC 181075	-M 210106		92 58	117 64	80 39	81 23	108 27	93 40			
26	-M 240110	24 110	-M 210058	-M 200031		83 53	104 57	112 36	95 25	91 25	91 37			
27	-M 240116	24 116	BC 181075	-M 200087		111 60	108 64	82 41	82 27	106 28	94 42			
28	-M 240135	24 135	-M 210047	-M 150063		104 53	88 56	108 40	105 16	95 17	94 35			
29	-M 240145	24 145	-M 200132	-M 210136		86 56	103 59	108 33	101 19	88 24	90 36			
30	-M 240153	24 153	BC 191020	-M 190031		90 56	104 59	108 44	91 19	100 27	96 39			
31	-M 240163	24 163	CM 200018	-M 200155	0.1	104 60	107 62	98 43	89 31	98 32	97 43			

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				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	
							nt821	Q204X	F94L	Genomic tested									
											★★★★								
1	-M	230050	23 050	PB 180128	-M 170081	0.0					97 55	111 57	61 43	102 17	97 25	83 37			
2	-M	230068	23 068	PB 180128	-M 140025	0.0					102 59	104 62	71 49	96 30	104 33	87 44			
3	-M	230091	23 091		-M 200010	0.0					99 47	96 52	108 28	99 17	80 20	83 31			
4	-M	230166	23 166	PB 180128	-M 180044	0.0					105 56	104 61	79 45	102 29	83 30	80 42			
5	-M	240003	24 003	BC 181075	-M 140008	0.0					112 59	105 63	67 45	88 13	111 23	89 39			
6	-M	240010	24 010		-M 150007	0.0					91 52	110 55	106 40	90 26	84 26	88 38			
7	-M	240022	24 022	BC 181075	-M 130060	0.0					109 60	105 63	64 45	86 9	111 22	86 38			
8	-M	240137	24 137		-M 150034	0.0					84 52	97 55	117 40	89 32	85 24	80 38			
9	-M	240157	24 157		-M 210009	0.0					94 48	102 52	107 28	97 18	82 22	86 32			
10	-M	240166	24 166	-M 200132	-M 210091	0.0					75 57	101 60	120 36	88 22	94 26	87 38			
											★★★								
1	-M	240006	24 006	-M 210047	-M 170025	0.0					103 54	91 58	77 39	109 24	86 24	74 38			
2	-M	240027	24 027		-M 210054	0.0					92 47	93 52	111 28	98 12	80 21	78 31			

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	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	-M 140012	M140012	-M 110007	0.0			117	72	86	70	103	78	125	45	99	46	110	58			
2	-M 170045	-M170045	-M 060016	0.0			130	68	81	56	110	72	127	48	89	31	111	51			
							★★★★★														
1	-M 140004	M140004	-M 110012	0.0			106	73	90	71	99	80	123	47	104	48	108	59			
2	-M 150013	-M150013	-M 080016	0.0			118	69	86	56	88	69	130	27	93	36	101	48			
3	-M 180019	-M180019	-M 130017	0.0			109	66	89	65	113	69	104	64	105	41	107	56			
4	-M 190111	-M 190111	-M 140004	0.0			114	64	84	63	110	65	123	42	89	39	103	51			
5	-M 200082	20082	-M 150067	0.0			105	56	80	54	111	53	125	62	96	35	101	48			
6	-M 200142	20142	-M 150061	0.0			100	57	94	55	114	55	96	62	102	35	101	48			
7	-M 230138	23 138	BC 181075	-M 170079	0.0		97	60	116	63	91	45	76	13	113	23	101	39			
							★★★★★														
1	-M 110022	110022	-M 080014	0.0			87	74	107	71	117	79	94	23	85	44	93	55			
2	-M 130017	130017	-M 060016	0.0			126	75	82	72	76	81	111	68	109	48	95	63			
3	-M 130023	130023	-M 060012	0.0			109	75	72	73	111	82	132	44	94	50	99	60			
4	-M 130066	1366		0.0			98	59	94	52	126	71	91	35	93	30	97	46			
5	-M 150063	1563		0.0			101	58	86	52	108	70	112	31	99	26	98	44			
6	-M 160007	M16007	-M 060020	0.0			116	69	82	65	86	73	128	45	89	43	91	55			
7	-M 160044	M16044	-M 060004	0.0			110	71	101	68	86	72	91	37	100	45	91	55			
8	-M 180011	-M180011	-M 130023	0.0			96	66	81	65	125	70	117	64	83	43	92	57			
9	-M 200003	20003	-M 170080	0.0			91	57	93	55	101	55	109	62	96	35	90	48			
10	-M 200061	20061	-M 150069	0.0			114	59	86	58	112	58	84	62	100	35	91	50			
11	-M 200087	20087	-M 160045	0.0			117	60	81	59	115	57	110	65	82	38	92	51			
12	-M 210001	-M 210001	-M 150062	0.0			101	55	88	52	113	45	114	63	84	32	92	45			
13	-M 210007	-M 210007	-M 120009	0.0			132	56	89	56	80	47	117	30	86	35	92	42			
14	-M 210008	-M 210008	-M 140012	0.0			128	59	79	58	95	52	119	33	90	37	95	45			
15	-M 210009	-M 210009	-M 140019	0.0			105	60	96	60	113	53	102	37	89	38	98	46			
16	-M 210013	-M 210013	-M 080034	0.0			93	61	98	60	104	53	95	37	99	40	91	47			
17	-M 210019	-M 210019	-M 170045	0.0			115	59	83	55	105	50	115	48	86	33	92	45			

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	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	
										★★★					
18	-M 210026	-M 210026					124 60	82 59	106 53	103 50	96 38	97 48			
19	-M 210036	-M 210036					108 57	80 55	116 50	117 40	81 33	91 44			
20	-M 210043	-M 210043					127 62	84 60	97 52	99 35	93 38	90 46			
21	-M 210063	-M 210063					100 56	79 54	112 48	124 63	88 32	92 46			
22	-M 210127	-M 210127					98 56	79 53	118 47	121 63	86 32	91 46			
23	-M 210149	-M 210149					104 58	82 56	110 49	134 44	81 36	96 45			
24	-M 210156	-M 210156					121 54	81 52	92 45	123 63	91 31	95 45			
25	-M 220006	-M 220006					115 55	89 54	102 36	110 32	93 32	98 39			
26	-M 220014	-M 220014					102 56	92 55	112 40	108 26	91 34	97 40			
27	-M 220019	-M 220019					107 55	87 52	98 36	124 13	82 31	90 35			
28	-M 220030	-M 220030					107 55	81 54	120 37	112 22	87 33	94 38			
29	-M 220036	-M 220036					113 56	85 56	101 41	122 24	89 34	96 40			
30	-M 220051	-M 220051					113 56	68 56	112 42	130 33	84 35	90 41			
31	-M 220052	-M 220052					109 52	78 50	107 32	117 16	94 27	93 34			
32	-M 220088	-M 220088					103 52	83 50	97 32	119 16	95 27	91 34			
33	-M 220103	-M 220103					110 56	93 55	98 38	104 19	89 33	90 38			
34	-M 220115	-M 220115					114 55	87 52	107 38	120 24	77 29	93 37			
35	-M 220128	-M 220128					105 57	80 57	109 43	127 20	82 35	92 40			
36	-M 230001	23 001	BC 181075				113 58	95 62	84 43	88 9	109 20	91 37			
37	-M 230003	23 003	BC 181075				99 59	110 62	88 43	78 9	113 21	96 37			
38	-M 230006	23 006					109 52	94 55	99 40	105 22	89 24	92 37			
39	-M 230009	23 009	BC 181075				127 62	91 65	71 46	93 15	110 25	90 41			
40	-M 230012	23 012	BC 181075				108 59	103 62	85 43	83 9	112 22	96 37			
41	-M 230013	23 013	BC 181075				113 59	105 63	73 40	87 27	109 21	92 40			
42	-M 230028	23 028	BC 181075				95 60	115 63	77 45	82 9	111 21	92 38			
43	-M 230030	23 030	BC 181075				104 58	108 62	88 44	78 9	110 21	95 37			
44	-M 230046	23 046					109 52	84 55	106 40	122 22	87 25	95 37			
45	-M 230061	23 061	BC 181075				101 58	108 61	83 42	81 9	110 22	92 37			
46	-M 230070	23 070	BC 181075				101 58	110 62	78 42	82 13	113 24	93 38			
47	-M 230090	23 090	BC 181075				97 60	109 63	82 46	86 17	114 24	96 40			
48	-M 230098	23 098	BC 181075				101 59	109 63	84 45	79 9	112 22	94 38			
49	-M 230099	23 099	BC 181075				103 60	114 63	86 46	77 18	111 25	99 40			

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				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	
							nt821	Q204X	F94L	Genomic tested									
											★★★★								
50	-M	230109	23 109	BC 181075	-M 190016	0.0					101 58	109 61	86 42	79 9	110 21	93 37			
51	-M	230116	23 116	BC 181075	-M 170073	0.0					108 60	102 63	82 45	83 9	112 21	93 38			
52	-M	230119	23 119	BC 181075	-M 130061	0.0					115 60	106 62	71 44	85 9	109 22	91 38			
53	-M	230121	23 121	BC 181075	-M 160076	0.0					116 60	97 63	80 45	85 9	113 23	93 38			
54	-M	230123	23 123	BC 181075	-M 150071	0.0					114 58	101 62	73 44	88 9	110 22	90 37			
55	-M	230131	23 131	BC 181075	-M 170065	0.0					107 60	107 62	79 44	79 9	109 21	90 38			
56	-M	230139	23 139	BC 181075	-M 140065	0.0					121 59	104 62	71 44	86 13	109 23	93 38			
57	-M	240015	24 015		-M 140004	0.0					107 52	86 56	102 41	121 24	88 26	94 38			
58	-M	240033	24 033		-M 140012	0.0					107 52	91 55	101 40	118 22	86 25	95 37			
59	-M	240050	24 050		-M 200003	0.0					97 48	91 52	104 29	118 31	85 20	90 34			
60	-M	240055	24 055		-M 150013	0.0					108 52	83 52	101 36	128 13	83 20	92 33			
61	-M	240068	24 068		-M 170079	0.0					92 49	88 52	125 36	106 16	85 14	91 32			
62	-M	240103	24 103		-M 170045	0.0					115 51	83 52	109 38	124 24	81 18	96 35			
63	-M	240114	24 114		-M 130041	0.0					123 51	82 55	107 38	116 11	79 17	92 33			
64	-M	240122	24 122		-M 200142	0.0					124 48	80 52	105 29	114 31	88 20	94 34			
											★★★★								
1	-M	110017	110017		-M 020034	0.0					95 68	93 64	113 69	107 14	71 26	80 46			
2	-M	130028	130028		-M 060017	0.0					122 68	66 65	93 72	123 17	90 31	82 48			
3	-M	140024	M140024		-M 090042	0.0					101 67	78 64	130 71	98 13	85 31	85 47			
4	-M	140025	M140025		-M 020047	0.0					111 72	87 69	86 77	94 44	100 46	81 57			
5	-M	150034	-M150034		-M 090027	0.0					69 71	92 68	135 77	80 43	97 44	83 56			
6	-M	160061	M16061		-M 010040	0.0					110 65	94 53	78 69	119 16	87 27	87 43			
7	-M	170033	-M17033		-M 130017	0.0					107 68	92 66	76 72	115 34	99 42	89 53			
8	-M	180017	-M180017		-M 120020	0.0					80 66	94 64	120 69	94 61	95 40	88 55			
9	-M	180022	-M180022		-M 050009	0.0					99 66	103 65	104 69	86 44	84 42	82 53			
10	-M	180033	-M180033		-M 150006	0.0					105 64	88 63	103 67	122 64	68 40	81 55			
11	-M	200007	20007		-M 140014	0.0					94 61	97 60	107 58	84 47	93 39	83 49			
12	-M	200073	20073		-M 130066	0.0					93 57	99 58	125 58	89 58	82 28	88 48			
13	-M	200101	20101		-M 140060	0.0					95 60	80 59	121 58	109 62	90 35	89 50			
14	-M	200114	20114		-M 150063	0.0					99 59	87 57	103 58	114 62	88 35	88 50			

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value							
						nt821	Q204X	F94L	Genomic tested															
Sorted on ID										Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc							
										★★★★														
15	-M 200143 20143		-M 160013	0.0						112	59	81	43	73	55	137	47	82	28	81	42			
16	-M 210006 -M 210006		-M 140028	0.0						107	58	84	57	83	50	124	49	85	37	81	46			
17	-M 210035 -M 210035		-M 160060	0.0						115	56	85	53	95	47	113	63	83	32	85	46			
18	-M 210049 -M 210049		-M 140006	0.0						114	59	77	58	99	52	119	35	84	38	85	45			
19	-M 210070 -M 210070		-M 170079	0.0						83	57	97	55	112	49	93	63	86	32	80	47			
20	-M 210085 -M 210085		-M 100063	0.0						121	56	79	54	96	48	116	63	83	32	85	46			
21	-M 210086 -M 210086		-M 100066	0.0						101	57	84	54	111	48	103	63	85	32	82	47			
22	-M 210115 -M 210115		-M 180011	0.0						84	58	90	57	120	50	108	49	84	36	87	46			
23	-M 210126 -M 210126		-M 130062	0.0						103	57	78	55	104	49	125	63	86	32	87	47			
24	-M 220027 -M 220027		-M 190060	0.0						94	53	90	53	109	32	108	32	85	31	85	38			
25	-M 220048 -M 220048		-M 100066	0.0						90	53	90	51	113	34	109	16	84	28	86	34			
26	-M 220071 -M 220071		-M 130066	0.0						91	53	107	52	108	37	91	18	83	28	87	36			
27	-M 220072 -M 220072		-M 100063	0.0						117	52	79	51	104	34	116	16	85	28	89	34			
28	-M 220108 -M 220108		-M 130006	0.0						100	56	87	56	111	39	95	14	88	32	82	37			
29	-M 220124 -M 220124		-M 140006	0.0						86	55	93	55	106	40	112	24	82	34	83	39			
30	-M 220137 -M 220137		-M 140019	0.0						103	57	100	58	99	42	103	26	83	35	88	41			
31	-M 220178 -M 220178		-M 130028	0.0						110	54	80	54	98	37	119	12	85	28	85	35			
32	-M 230005 23 005	BC 181075	-M 130060	0.0						115	60	99	63	64	45	88	9	111	22	85	38			
33	-M 230010 23 010		-M 200142	0.0						94	48	96	51	109	29	97	31	88	20	86	34			
34	-M 230015 23 015		-M 200114	0.0						94	49	88	52	106	31	114	31	81	20	83	34			
35	-M 230023 23 023	BC 181075	-M 200001	0.0						92	60	108	61	83	40	79	27	108	21	85	40			
36	-M 230035 23 035		-M 130017	0.0						117	53	78	56	93	42	117	34	91	26	87	40			
37	-M 230038 23 038	BC 181075	-M 130062	0.0						110	60	98	63	65	45	91	13	112	23	85	39			
38	-M 230055 23 055		-M 150003	0.0						99	52	88	55	104	39	114	31	80	23	83	38			
39	-M 230058 23 058	BC 181075	-M 170060	0.0						106	58	101	62	81	44	85	9	109	22	89	37			
40	-M 230065 23 065	BC 181075	-M 140066	0.0						106	58	104	61	74	42	86	9	111	22	89	37			
41	-M 230072 23 072		-M 130023	0.0						106	53	73	56	111	42	126	33	83	27	88	40			
42	-M 230075 23 075	BC 181075	-M 150076	0.0						104	60	102	62	76	44	85	9	109	23	87	38			
43	-M 230076 23 076	BC 181075	-M 200143	0.0						112	60	103	61	63	40	100	28	106	24	89	40			
44	-M 230079 23 079	BC 181075	-M 200041	0.0						108	60	104	61	74	41	72	27	110	21	82	40			
45	-M 230080 23 080		-M 180017	0.0						86	50	95	54	111	36	97	30	85	22	80	36			
46	-M 230087 23 087	BC 181075	-M 160074	0.0						111	58	98	62	76	44	89	13	107	22	86	38			

Selection List on Cow Value

Cows 2 years and older

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	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	Acc					
										★★★★														
47	-M	230093	23 093		-M	160044	0.0			109	52	92	55	97	38	101	19	87	25	85	36			
48	-M	230101	23 101		-M	190053	0.0			99	48	98	52	108	31	91	17	83	22	83	32			
49	-M	230102	23 102		-M	200087	0.0			122	49	82	52	104	31	111	32	78	22	86	35			
50	-M	230103	23 103	BC 181075	-M	130064	0.0			103	60	101	62	72	44	87	9	110	22	85	38			
51	-M	230143	23 143		-M	180011	0.0			101	51	82	54	114	36	114	32	79	24	83	37			
52	-M	230146	23 146	BC 181075	-M	200201	0.0			105	57	107	60	74	39	82	9	112	21	89	36			
53	-M	240011	24 011		-M	210013	0.0			91	49	97	52	104	29	100	19	86	22	83	33			
54	-M	240012	24 012		-M	210061	0.0			97	46	92	51	108	25	112	32	77	18	85	32			
55	-M	240020	24 020		-M	150003	0.0			101	52	89	55	102	39	114	31	80	23	84	38			
56	-M	240021	24 021		-M	210001	0.0			92	47	93	51	110	25	112	32	79	18	85	33			
57	-M	240023	24 023		-M	170033	0.0			96	51	98	54	89	38	111	24	86	23	84	36			
58	-M	240028	24 028		-M	210086	0.0			96	47	85	51	110	26	111	32	80	18	81	33			
59	-M	240029	24 029		-M	210063	0.0			99	47	85	51	108	26	119	32	81	18	86	33			
60	-M	240030	24 030		-M	180017	0.0			86	50	91	54	115	36	107	30	84	22	84	36			
61	-M	240054	24 054		-M	140027	0.0			84	52	89	56	117	41	102	34	90	26	84	39			
62	-M	240056	24 056		-M	130066	0.0			99	49	91	52	115	37	101	18	83	17	87	33			
63	-M	240087	24 087		-M	210127	0.0			93	47	86	51	112	26	116	32	80	18	84	33			
64	-M	240102	24 102		-M	210115	0.0			86	48	91	51	115	27	112	24	79	20	83	32			
65	-M	240130	24 130		-M	200101	0.0			91	49	87	52	113	31	108	31	81	20	81	34			
66	-M	240133	24 133		-M	160011	0.0			114	51	87	54	95	37	114	18	74	25	80	35			
67	-M	240136	24 136		-M	210069	0.0			101	46	92	51	105	26	117	32	76	18	87	33			
68	-M	240138	24 138		-M	210043	0.0			106	49	84	52	106	28	114	17	83	21	87	32			
										★★★														
1	-M	130019	130019		-M	070024	0.0			120	74	78	72	67	81	123	49	91	48	76	60			
2	-M	130062	1362				0.0			122	57	61	51	79	69	127	32	94	25	75	44			
3	-M	160011	M16011		-M	060001	0.0			121	67	96	66	81	72	97	37	75	45	74	53			
4	-M	160028	M16028		-M	090031	0.0			97	70	83	68	112	74	106	27	79	42	77	53			
5	-M	170028	-M17028		-M	080034	0.0			101	69	101	66	78	69	86	39	98	44	77	53			
6	-M	200105	20105		-M	100061	0.0			107	59	77	57	92	58	116	62	79	35	72	50			
7	-M	200151	20151		-M	130017	0.0			123	62	76	47	71	59	117	66	92	28	76	48			

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	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	
										★★					
8	-M 200155 20155		-M 140021	0.0			79 61	101 60	100 58	94 46	85 37	74 49			
9	-M 210024 -M 210024		-M 130028	0.0			109 58	75 57	95 50	122 36	79 34	75 44			
10	-M 210084 -M 210084		-M 140024	0.0			103 58	88 57	113 50	94 34	78 33	78 43			
11	-M 210091 -M 210091		-M 150034	0.0			79 59	86 58	127 51	88 48	90 37	78 47			
12	-M 210099 -M 210099		-M 140008	0.0			121 56	80 55	79 49	118 63	83 32	77 47			
13	-M 220015 -M 220015		-M 180010	0.0			98 54	83 54	108 36	102 22	74 32	70 37			
14	-M 220042 -M 220042		-M 180022	0.0			100 55	89 54	109 36	107 22	73 33	78 38			
15	-M 230032 23 032		-M 150034	0.0			86 52	88 55	121 40	95 32	85 24	79 38			
16	-M 230074 23 074		-M 200155	0.0			88 49	100 52	99 31	97 23	80 21	75 33			
17	-M 230104 23 104		-M 160011	0.0			109 51	91 54	95 37	108 18	75 25	77 35			
18	-M 230133 23 133		-M 200105	0.0			105 49	82 52	98 31	115 31	77 20	76 34			
19	-M 240048 24 048		-M 130028	0.0			106 51	83 54	97 37	114 12	81 18	79 33			
20	-M 240126 24 126		-M 210110	0.0			92 47	88 51	108 27	109 24	77 20	77 32			
										★★★					
1	-M 140021 M140021		-M 110004	0.0			71 68	102 66	86 72	101 34	86 37	68 52			
2	-M 200068 20068		-M 130019	0.0			121 62	80 61	75 60	124 43	68 38	68 49			
3	-M 210020 -M 210020		-M 140027	0.0			93 59	81 58	99 52	92 50	93 38	68 47			
4	-M 210110 -M 210110		-M 150006	0.0			90 58	90 56	103 49	88 49	79 35	65 46			
										★					
1	-M 170025 -M17025		-M 140007	0.0			110 67	87 64	47 68	120 48	79 42	57 54			

Selection List on Cow Value
Bull Calves younger than 2 years

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin	Genomic tested	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value									
Sorted on ID						nt821	Q204X	F94L		Acc	Acc	Acc	Acc	Acc	Acc									
												★ ★ ★												
1	-M 250006	-M 250006	-M 180019	0.0						101	51	88	32	111	34	112	32	87	21	92	31			
2	-M 250048	-M 250048	-M 170045	0.0						125	51	79	28	106	36	122	24	79	16	94	29			
												★ ★ ★ ☆												
1	-M 250001	-M 250001	-M 220172	0.0						104	47	83	27	107	18	121	14	78	16	85	23			
2	-M 250014	-M 250014	-M 220014	0.0						110	47	84	28	107	20	113	13	80	17	87	23			
3	-M 250027	-M 250027	-M 150068	0.0						99	48	84	24	108	33	117	16	81	12	85	25			
4	-M 250041	-M 250041	-M 210043	0.0						118	48	83	30	101	26	110	17	81	19	84	26			
5	-M 250053	-M 250053	-M 210063	0.0						115	47	76	27	106	24	121	32	78	16	85	27			
6	-M 250060	-M 250060	-M 220103	0.0						92	47	94	27	106	19	112	9	79	16	84	22			
7	-M 250084	-M 250084	-M 220036	0.0						99	47	88	28	106	21	119	12	79	17	86	23			
8	-M 250099	-M 250099	-M 200082	0.0						97	48	85	27	110	27	121	31	82	17	89	27			
9	-M 250101	-M 250101	-M 220071	0.0						94	46	97	26	108	18	102	9	76	14	80	21			
10	-M 250102	-M 250102	-M 210049	0.0						119	48	76	29	100	26	118	17	77	19	80	26			
11	-M 250111	-M 250111	-M 210086	0.0						99	47	85	27	109	24	111	32	77	16	80	27			
12	-M 250117	-M 250117	-M 200142	0.0						99	48	90	28	111	27	108	31	86	17	89	28			
13	-M 250122	-M 250122	-M 210085	0.0						114	47	81	27	101	24	116	32	76	16	81	27			
14	-M 250133	-M 250133	-M 210001	0.0						102	47	86	26	110	23	115	32	76	16	84	26			
15	-M 250140	-M 250140	-M 180011	0.0						100	51	82	33	116	35	117	32	76	22	84	32			
16	-M 250143	-M 250143	-M 200003	0.0						92	48	90	28	105	27	113	31	82	17	83	28			
17	-M 250147	-M 250147	-M 160061	0.0						114	50	86	26	91	34	118	8	78	13	81	24			
18	-M 250151	-M 250151	-M 190060	0.0						98	49	84	30	114	30	112	32	79	20	82	29			
19	-M 250161	-M 250161	-M 210149	0.0						101	47	84	28	109	24	126	22	75	18	86	26			
20	-M 250162	-M 250162	-M 190111	0.0						112	49	82	31	108	32	120	21	79	19	89	28			
21	-M 250163	-M 250163	-M 200087	0.0						108	48	83	29	111	29	114	32	75	19	84	29			
												★ ★												
1	-M 250009	-M 250009	-M 140025	0.0						103	52	87	34	97	39	104	32	84	23	78	33			
2	-M 250064	-M 250064	-M 140021	0.0						86	51	93	33	97	36	110	17	77	18	73	29			
3	-M 250070	-M 250070	-M 170028	0.0						116	52	87	33	89	35	98	20	83	22	75	30			

Selection List on Cow Value

Bull Calves younger than 2 years

ID Name Sorted on ID		Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				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	
						nt821	Q204X	F94L	Genomic tested									
										★★								
4	-M 250072	-M 250072	-M 130028	0.0						11351	7532	10036	12012	7916	7928			
5	-M 250110	-M 250110	-M 180022	0.0						10351	9332	10535	9822	7621	7730			
6	-M 250118	-M 250118	-M 200155	0.0						8849	9330	10429	10423	7719	7428			
7	-M 250141	-M 250141	-M 130062	0.0						12149	6926	9135	12216	8112	7626			
										★★☆								
1	-M 250040	-M 250040	-M 210110	0.0						9047	9028	10724	9924	7418	6926			

Selection List on Cow Value
Heifers younger than 2 years

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin		Genomic tested	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value							
Sorted on ID							nt821	Q204X	F94L	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc							
										★★★														
1	-M	250016	-M	250016						124	47	83	29	96	22	121	13	83	19	92	24			
2	-M	250031	-M	250031						106	52	86	36	103	40	120	24	86	24	92	33			
3	-M	250036	-M	250036						108	52	86	35	105	39	121	22	84	22	93	32			
										★★★☆☆														
1	-M	250002	-M	250002						106	52	84	33	97	36	122	23	79	21	84	31			
2	-M	250003	-M	250003						95	46	87	25	104	16	118	8	82	14	83	20			
3	-M	250011	-M	250011						99	50	86	32	112	34	105	30	82	20	82	31			
4	-M	250018	-M	250018						99	49	89	26	121	35	99	16	83	12	87	26			
5	-M	250024	-M	250024						92	51	87	32	124	35	108	22	82	21	88	30			
6	-M	250026	-M	250026						121	48	81	30	100	26	110	17	81	19	84	26			
7	-M	250032	-M	250032						97	49	90	26	117	35	103	18	81	15	85	26			
8	-M	250033	-M	250033						92	49	89	26	110	35	115	16	84	13	87	26			
9	-M	250046	-M	250046						127	48	77	29	98	26	118	17	79	18	86	26			
10	-M	250047	-M	250047						105	47	82	27	103	19	118	6	77	14	80	21			
11	-M	250063	-M	250063						121	46	77	25	102	17	117	8	77	14	83	21			
12	-M	250067	-M	250067						121	47	77	26	102	16	113	16	77	15	81	22			
13	-M	250076	-M	250076						105	51	88	33	91	36	116	24	84	21	82	30			
14	-M	250081	-M	250081						83	46	92	25	113	17	113	8	77	14	81	21			
15	-M	250082	-M	250082						105	48	85	28	106	25	116	24	77	17	84	26			
16	-M	250085	-M	250085						92	47	87	28	111	21	122	10	76	18	84	23			
17	-M	250112	-M	250112						114	47	88	29	101	21	112	13	76	18	84	24			
18	-M	250126	-M	250126						119	52	90	34	97	38	104	22	87	22	89	31			
19	-M	250146	-M	250146						98	47	90	26	109	19	118	12	73	15	84	22			
20	-M	250159	-M	250159						103	46	87	27	102	24	115	32	76	16	80	27			
21	-M	250180	-M	250180						96	48	88	29	106	29	115	31	78	17	82	28			
										★★★														
1	-M	250005	-M	250005						92	48	85	29	104	26	102	25	81	19	71	27			
2	-M	250035	-M	250035						81	52	90	34	122	38	94	32	83	22	77	33			

Selection List on Cow Value
Heifers younger than 2 years

ID Name Sorted on ID		Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				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	
						nt821	Q204X	F94L	Genomic tested									
										★★								
3	-M 250056	-M 250056	-M 220108	0.0						105 47	84 28	108 19	106 7	78 16	79 22			
4	-M 250120	-M 250120	-M 160011	0.0						105 51	93 33	96 36	107 18	72 22	75 30			
5	-M 250123	-M 250123	-M 210070	0.0						92 47	91 27	109 25	104 32	77 16	77 27			
6	-M 250160	-M 250160	-M 180033	0.0						113 49	82 31	103 34	120 32	69 20	79 30			

	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 18mth 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

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.

