

BEEFMASTER

GENOMIC BREEDING VALUE REPORT

September 2026



CCM FARM CC

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BEEFMASTER
CATTLE BREEDERS' SOCIETY OF SA
BEESTELERSGENOOTSAP VAN SA



EBVs, EBVi's and GEBVs

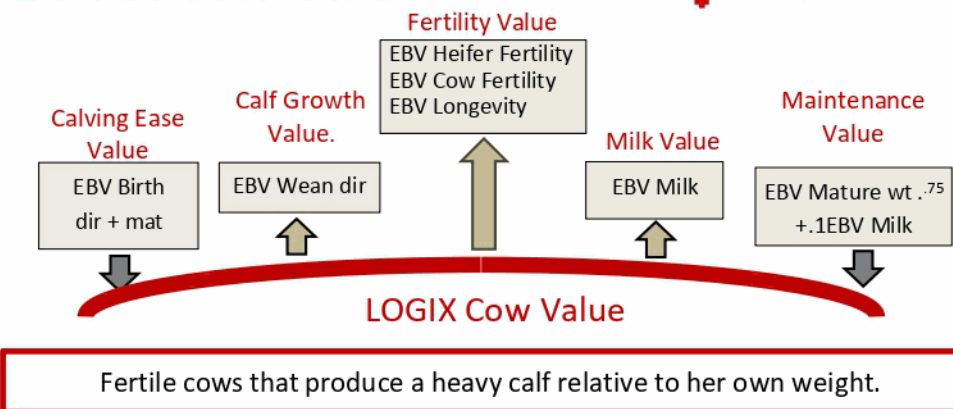
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

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)

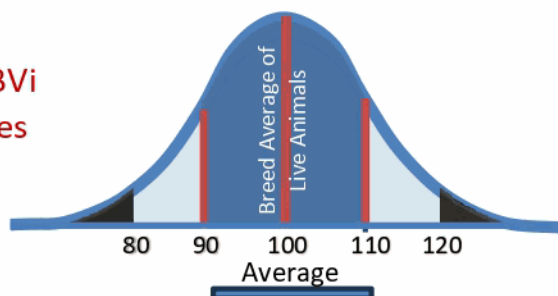
- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

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

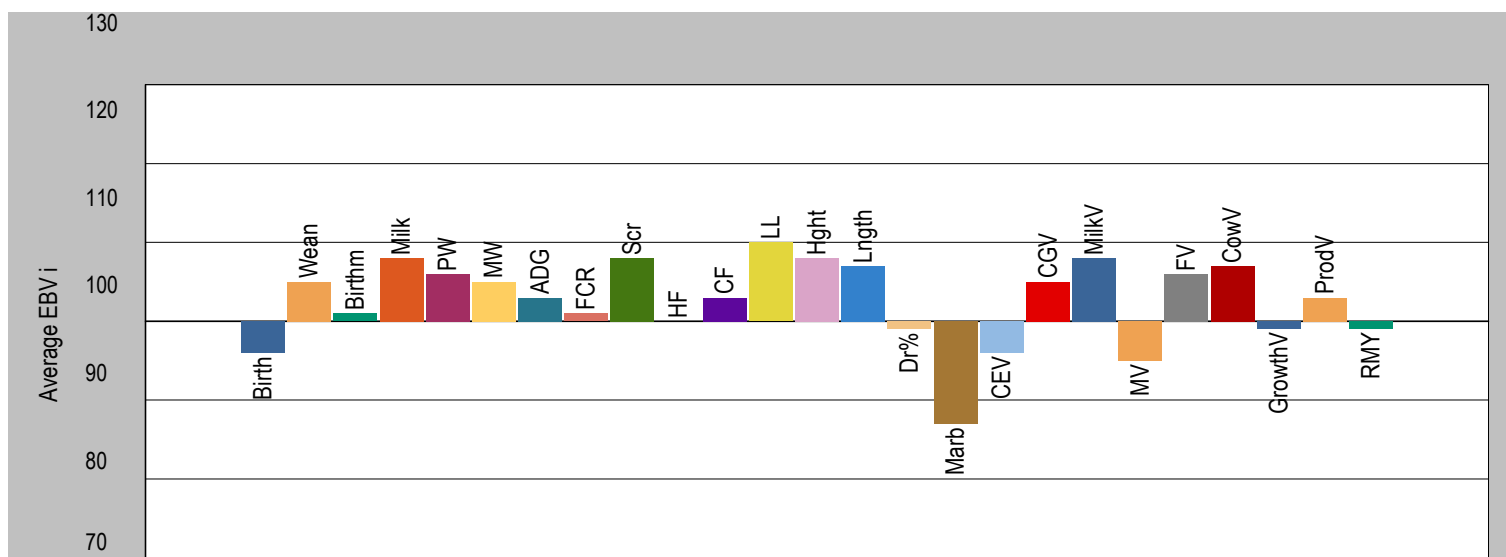
Larger groups result in more accurate and stable breeding values, as the mean and distribution of the group can be more accurately determined and are thus more representative. Groups should preferably have more than 5 animals. Weigh all the animals in the same group on the same day, as corrections for 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	RMY:	Carcass Value
	Ratio	Marb:	Marbling

Selection Values:

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

	Trait	EBV Herd	EBV Index	EBV Breed
Prewrite Growth	Birth Weight	0.70	96	0.34
	Wean Weight	15.2	105	12.1
	Birth Mat.	-0.10	101	-0.05
	Milk (Wn.Mat.)	0.7	108	-1.4
Postwean Growth	Postwean Wt	23.5	106	19.0
	Mature Weight	12	105	7
	ADG	83	103	72
	FCR	-40	101	-39
Fertility	Scrotal Circumf.	15.8	108	11.1
	Heifer Fertility	-7.8	100	-7.5
	Cow Fertility	-4.7	103	-4.1
	Longevity	21.3	110	14.8
Frame	Height	6	108	1
	Length	20	107	13
Carcass	EMA	0.90	101	0.85
	Fat	-0.52	89	0.11
	Marbling	-0.42	87	0.30

Selection Value	Ave. Herd
Calving Ease	96
Calf Growth	105
Milk	108
Maintenance	95
Fertility	106
Cow Value	107
Growth Value	99
Production Value	103
Carcass Value	99

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

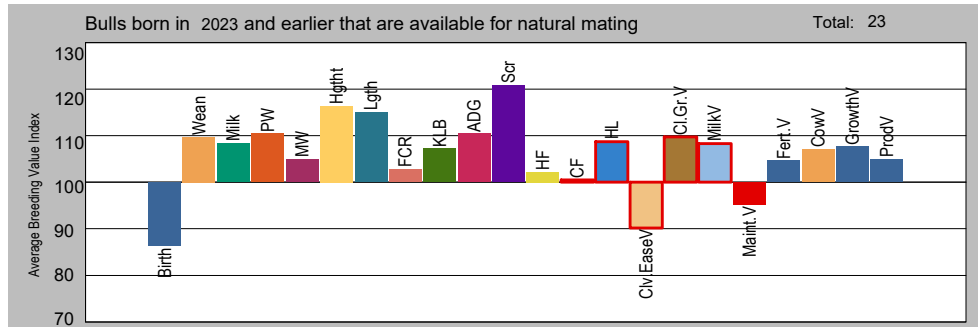
What does a sub-selection value above breed average (100) mean?:

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

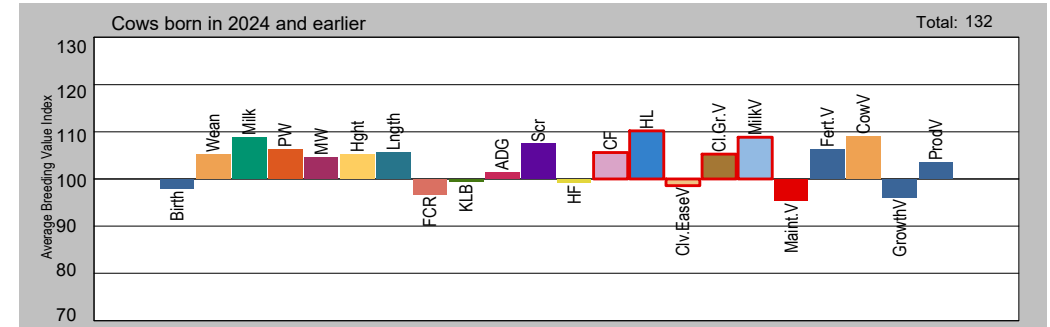
Genetic Windows

Animals available for breeding

Bulls on the farm

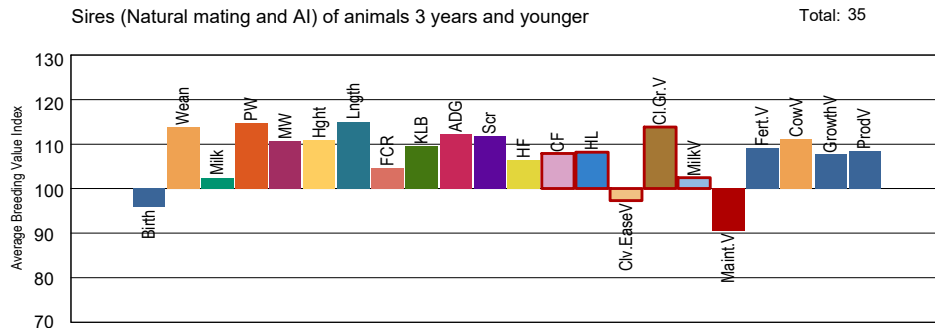


Cow Herd

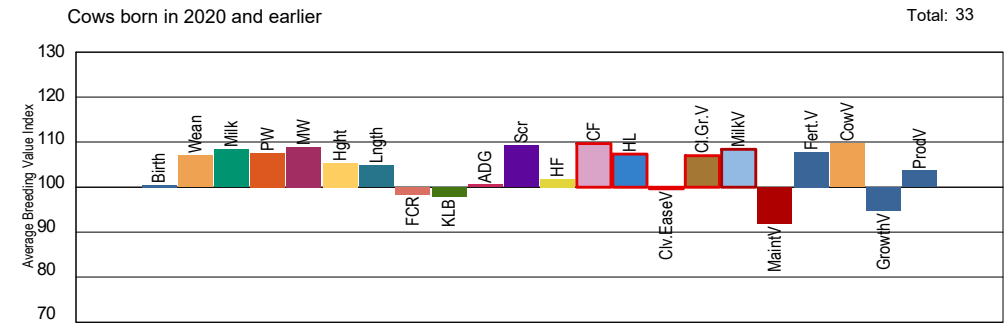


Results of previous selection decisions

Sires of young animals

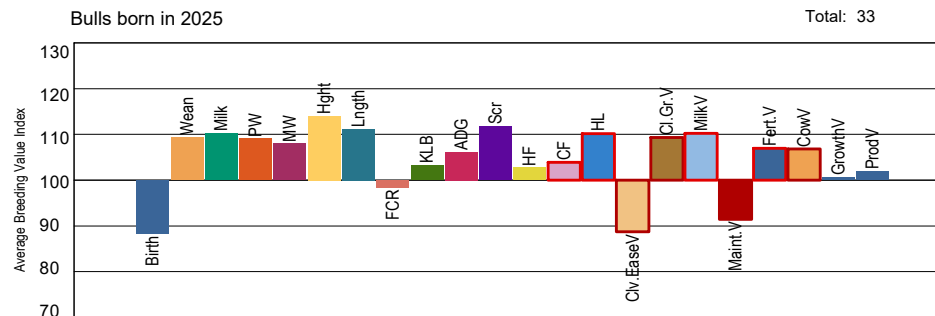


Cows older than 6 years

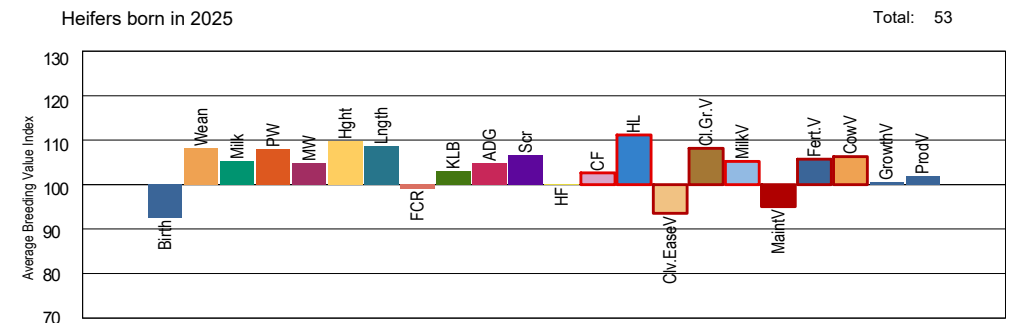


Selection possibilities

Bull calves



Heifer calves

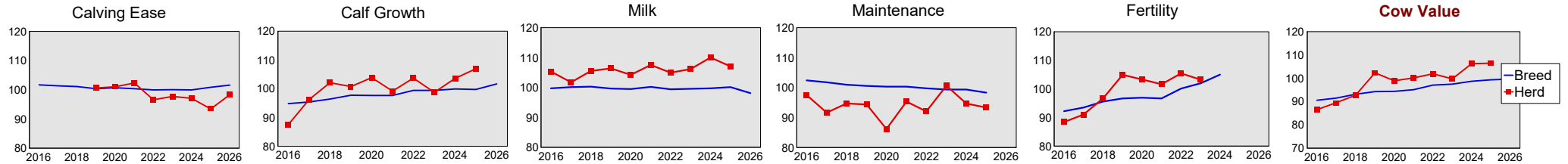


Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				Fertiity				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
2013	1	★★★★☆	129	93	110	110	114	129			125	93	136	110	96	91	94	95	97	106	103	123	72	88	
2014	2	★★★★☆	100	93	133	84	103	104			102	93	95	133	92	116	96	90	108	97	99	113	118	108	
2015	1	★★★★	100	96	104	102	98	96			100	96	98	104	95	96	88	88	100	92	90	114	102	91	
2016	3	★★★☆☆	79	103	126	77	97	89	84	79	89	103	74	126	100	124	94	89	100	88	98	106	116	107	
2017	7	★★★★☆	100	96	113	92	102	101	118	106	102	96	95	113	96	109	96	95	102	98	103	106	103	98	
2018	6	★★★★★	99	106	110	97	104	110	94	103	96	106	101	110	106	104	101	98	108	94	109	106	110	107	
2019	15	★★★★★	105	104	106	95	112	113	92	107	107	104	94	106	105	105	97	95	109	107	111	109	102	101	
2020	12	★★★★★	99	105	113	90	106	110	96	104	100	105	98	113	105	110	100	97	107	97	109	109	104	104	
2021	28	★★★★★	102	99	113	93	107	111	96	106	103	99	96	113	103	107	100	99	100	92	114	107	104	103	
2022	25	★★★★☆	102	103	107	94	108	108	94	100	101	103	101	107	103	106	99	97	105	102	101	116	103	103	
2023	29	★★★★☆	98	102	105	98	107	107	93	101	98	102	101	105	103	101	98	97	108	104	99	114	105	102	
2024	45	★★★★☆	98	104	109	96	105	109	100	105	97	104	101	109	106	103	103	101	107	98	103	112	106	107	
2025	53	★★★★☆	94	108	105	95	106	106	101	102	92	108	103	105	108	105	105	103	107	100	103	111	110	109	
2026	36	★★★★☆	99	104	103	97	104	105	96	93	97	104	103	103	104	102	103	102	106	101	100	110	107	104	
Cows in Herd Average:			100	101	111	94	105	107	97	101	101	101	100	111	102	106	98	96	105	98	103	111	104	102	

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.



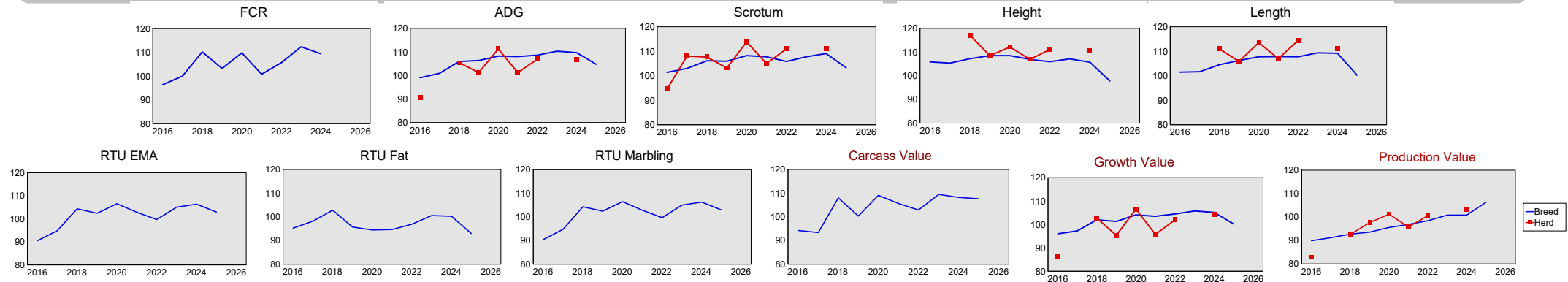
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility								Cow Value
	Birth Weight		Mat EBV	Calv. Ease	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	Milk	Number	EBV	Number		EBV	Number	EBV	Number	EBV	Number		EBV		
2016					98	4.9	88	98	0.11	105	54	11.6	11	1	98	21	0.2	15	-2.8	98	3.6	88	87	
2017					106	10.0	96	106	-0.93	102	76	19.0			92	30	-1.0	23	-3.2	105	8.1	91	90	
2018					128	13.3	102	128	0.14	106	79	22.7	26	10	95	27	0.7	22	-4.7	128	10.8	97	93	
2019	94	-0.02	0.35	101	123	12.5	101	123	0.38	106	81	21.8	26	15	94	34	-10.0	22	-6.0	126	11.2	105	102	
2020	147	0.20	0.07	101	138	14.4	104	138	-0.21	104	82	26.9	29	20	86	31	-5.7	22	-5.6	145	13.7	103	99	
2021	141	0.16	-0.02	102	140	11.7	99	140	0.70	107	114	20.6	31	13	95	36	0.6	27	-6.7	134	12.3	102	100	
2022	144	0.71	-0.18	97	135	14.2	104	135	-0.01	105	91	23.8	23	11	92	31	-8.4	13	-4.9	97	15.6	105	102	
2023	141	0.57	-0.03	98	131	11.4	99	131	0.33	106	78	21.3			101	23	-8.6					103	100	
2024	147	0.64	-0.10	97	135	14.2	104	135	1.40	110	89	25.2			95								106	
2025	158	0.93	-0.14	93	128	16.2	107	128	0.55	107	36	25.6			93								107	
2026	83	0.61	-0.18	98																				

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility						Cow Value	
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	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
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			
2017							31	15.6	108															
2018				34	92	106	34	15.5	108	34	11	117	34	24	111								103	93
2019				34	76	101	34	12.8	103	34	6	108	34	19	106								95	98
2020				29	114	111	29	19.0	114	29	8	112	29	26	114								107	101
2021				41	77	101	41	14.0	105	41	5	107	41	20	107								96	96
2022				32	98	107	32	17.3	111	32	8	111	32	27	114								102	101
2023																								
2024				27	97	107	27	17.4	111	27	7	111	27	24	111								104	103
2025																								
2026																								

Breed

Birth Year	Growth									Frame						Carcass						Selection Values			
	FCR			ADG			Scrotum			Height			Length			RTU Number	EMA		Fat		Marbling		Cracss Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		EBV	EBVi	EBV	EBVi	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
BOS 100048 WO 030042 BOS 077298				109	98	79	124	77	86	105	83	106	98	107	79	101	78	112	109	91	87	66	96	109	108	97	89	87	76	194	
BOS100048				97	98	97	95	96	88	94	89	-0.14	11.0	-0.32	-7.3	19.6	-18	115	-49	5.8	2.9	2.8	12.4	7	21	0.58	-0.55	-0.43	42	158	
BOS 100114 BOS 033210 BOS 000588				115	119	99	73	109	112	108	109	107	119	118	99	122	133	115	94	105	98	118	105	138	133	123	99	140	34	34	
BOS100114				83	88	79	64	68	71	45	66	-0.25	23.2	-0.77	-1.6	35.8	45	126	-33	14.0	-5.9	-7.7	18.0	23	45	3.16	0.05	2.54	10	8	25
BOS 199141 BOS 144174 BOS 155049				92	126	74	92	95	93	110	91	87	126	116	74	124	108	120	119	104	106	86	100	125	127	118	91	106	46	40	
BOS199141				91	92	87	84	86	81	84	82	1.37	27.1	-0.70	-8.7	37.7	16	144	-60	13.4	-12.2	-1.2	14.6	16	39	2.58	-0.41	0.66			
BOS 199209 BOS 977232 BOS 133209				111	100	76	124	116	115	102	110	105	100	126	76	103	79	103	92	93	124	104	112	105	104	101	90	116	14	112	
BOS199209				92	96	91	89	91	84	89	85	-0.11	12.0	-1.08	-8.1	21.6	-17	81	-30	6.9	-26.4	-4.9	22.5	4	17	0.95	-0.48	1.19			
BOS 199366 BOS 100048 BOS 122301				79	102	117	121	90	104	107	101	59	102	119	117	104	79	106	96	128	91	78	108	119	111	102	89	91	124	107	
BOS199366				94	96	88	87	88	83	88	84	3.75	13.2	-0.80	3.4	21.8	-16	95	-34	27.0	-0.7	0.3	19.9	13	24	1.08	-0.56	-0.21	8		
BOS 200011 BOS 155069 BOS 099178				97	108	99	93	116	111	96	105	96	108	104	99	107	105	101	96	87	114	115	108	89	97	97	97	104	125	112	
BOS200011				95	96	92	89	90	85	90	86	0.70	17.0	-0.23	-1.7	24.4	13	75	-34	3.7	-18.3	-7.2	20.1	-5	10	0.51	-0.08	0.53	6		
CR 150008 BOS 100114 CR 120014				101	135	83	85	109	116	108	112	98	135	130	83	138	117	124	112	119	82	123	113	127	138	133	108	126		14	
CR150008				83	88	85	82	82	77	82	78	0.48	32.1	-1.26	-6.3	48.8	27	159	-52	22.1	6.3	-8.7	22.9	17	50	4.08	0.57	1.74	6	7	23
CR 160021 CR 130036				107	109	103	104	97	111	96	105	105	109	104	103	109	95	98	82	146	113	92	92	88	100	102	94	107	174	169	
CR160021				96	97	92	88	88	85	87	85	-0.06	17.4	-0.21	-0.4	26.1	1	64	-20	37.6	-17.9	-2.4	9.8	-6	14	1.09	-0.22	0.67	26	31	71
CR 170085 WO 140164 CR 130036				72	146	98	62	107	105	141	109	68	146	99	98	148	150	154	139	151	92	111	114	129	144	154	103	121	31	23	
CR170085				89	90	85	82	84	79	84	80	2.96	38.5	-0.01	-2.1	56.5	64	267	-81	40.0	-1.2	-6.2	23.8	18	55	6.19	0.29	1.50	11	4	5
CR 180009 CR 150091				121	77	99	113					120	77	93	99	79	90	91		84	100	90		125	84				3	3	
CR180009				38	57	30	16					-1.35	-1.3	0.21	-1.8	3.0	-5	41		2.2	-7.8	8.4		16	-1				1	1	
CR 180037 CR 150008 CR 150117				105	120	87	90	103	106	112	104	99	120	116	87	123	110	110		105	88	106	112	117	121	117	89	92	1	1	
CR180037				44	61	48	27	35	41	36	40	0.41	23.4	-0.69	-5.2	36.8	18	108		14.1	2.3	-5.3	22.3	12	34	2.56	-0.51	-0.17	2	2	

Sires

Bull				Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny			
ID	Index EBV Acc	Sire ID	Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.	
CR 180069 CR 130006				107	115	132	106	105	140	118	137	101	115	122	132	121	93	123		101	93	98	121	83	111				13	13	
CR180069				74	79	66	48	46	58	39	54	0.29	20.6	-0.93	7.7	35.5	-1	157		11.5	-1.8	-3.6	27.7	-9	24				5	9	1
CR 190004 GC 100025 CR 160125				72	119	122	86	129	127	103	121	60	119	139	122	116	112	99	80	112	139	128	105	109	117	106	110	112	21	21	
CR190004				88	90	84	82	84	79	84	80	3.68	23.0	-1.60	4.7	31.5	21	70	-17	17.7	-38.3	-9.8	17.7	7	29	1.42	0.67	1.00	9	3	3
CR 190023 SCH 150018 CR 160030				119	126	105	80	126	139	115	135	120	126	88	105	130	122	126	122	110	113	141	106	91	112	131	119	111	1	1	
CR190023				84	86	83	81	82	76	83	77	-1.36	26.9	0.44	-0.1	42.3	32	166	-63	16.6	-17.8	-12.2	18.8	-4	25	3.93	1.21	0.89	1	2	2
CR 190094 SCH 140256 CR 120051				65	111	119	89	99	95	90	89	74	111	79	119	109	108	107		94	89	103	105	120	111	104	89	79			
CR190094				59	65	58	40	41	49	38	47	2.49	18.7	0.77	3.9	26.1	17	98		7.4	1.3	-4.7	17.9	13	24	1.23	-0.56	-0.88		1	1
CR 190110 SCH 140256 CR 120047				73	106	128	87	102	101	84	93	80	106	86	128	103	110	93		106	92	104	109	115	102	92	91	80			
CR190110				62	66	61	42	43	51	38	48	1.97	15.3	0.49	6.6	21.4	19	47		14.3	-0.9	-4.8	20.4	10	16	0.10	-0.41	-0.86		2	2
CR 200015 SCH 160021 CR 170122				86	123	105	99	106	118	103	113	84	123	112	105	121	98	118	118	138	107	103	105	103	110	112	102	114	9	9	
CR200015				85	86	81	79	81	76	81	77	1.69	25.6	-0.52	0.0	35.1	5	139	-59	32.6	-13.0	-4.7	17.6	3	23	2.02	0.25	1.11			
CR 200023 CR 170085 CR 170120				71	127	103	77	100	96	136	99	77	127	89	103	129	126	119		125	93	99	108	124	125	125	86				
CR200023				56	59	45	23	31	40	36	39	2.24	27.9	0.37	-0.6	41.6	37	142		25.3	-1.9	-4.0	20.0	15	37	3.27	-0.71				
CR 200062 SCH 150018 CR 110045				124	108	94	75	123	116	101	111	127	108	83	94	113	130	116	128	84	106	134	114	110	105	110	99	79			
CR200062				62	66	59	44	44	51	38	48	-1.90	16.7	0.62	-3.2	28.8	42	131	-69	2.2	-11.9	-10.9	23.2	7	18	1.81	0.04	-0.87			
CR 200093 SCH 170085 CR 160018				86	127	92	76	118	109	105	105	89	127	94	92	125	128	114	111	129	125	110	110	97	107	115	102	115	3	3	
CR200093				83	84	80	78	80	74	81	75	1.23	27.4	0.18	-3.7	38.2	39	122	-51	27.4	-27.3	-6.0	21.1	-1	20	2.34	0.25	1.15			
CR 200096 CR 170085 CR 160137				96	119	98	75	104	99	109	97	95	119	104	98	119	130	118		103	93	97	119	90	97	120	89				
CR200096				59	62	50	25	33	43	36	42	0.77	23.0	-0.23	-2.1	34.1	41	139		12.8	-1.8	-3.5	26.6	-4	11	2.79	-0.52				
CR 200135 CR 170085 CR 160119				92	119	108	73	107	104	106	101	94	119	94	108	117	131	112		130	91	99	124	121	118	109	92				
CR200135				59	61	49	26	33	43	36	42	0.80	22.9	0.17	0.9	32.3	43	115		28.0	-0.6	-3.9	29.5	13	30	1.75	-0.36				

Sires

Bull			Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.
			Name																										
CR 200138		SCH 150018 CR 140090	129	109	96	80	118	119	114	117	128	109	93	96	115	122	118	112	100	107	130	105	112	120	114	97	81		
CR200138			62	64	57	43	42	50	39	48	-2.03	17.1	0.23	-2.5	30.3	32	137	-52	11.3	-13.1	-10.1	17.8	9	32	2.24	-0.05	-0.78		
											64	64	54	57	52	43	65	6	73	43	28	56	75	72	7	7	7		
CR 210010		CR 180069 CR 180140	79	113	130	109	111	129	100	123	76	113	113	130	113	91	107	107	82	112	105	109	88	96	106	111	102	9	8
CR210010			84	84	79	77	78	74	80	75	2.29	19.7	-0.56	7.0	29.4	-3	98	-47	0.9	-17.2	-5.0	20.6	-6	10	1.42	0.73	0.42	3	
											85	84	79	79	80	77	83	76	85	77	76	80	86	85	76	76	76		
CR 210015		CR 180069 CR 180044	121	107	119	102	107	131	118	129	116	107	107	119	118	96	116	90	126	100	102	115	90	120	114	111	106	23	21
CR210015			87	88	82	80	80	77	82	78	-0.99	16.3	-0.32	3.8	32.7	2	131	-28	25.9	-7.4	-4.4	24.4	-4	32	2.28	0.77	0.61	3	
											89	88	82	82	84	80	84	78	87	80	78	83	87	86	78	78	78		
CR 210042		BOS 100114 CR 160113	115	98	111	85	103	103	105	100	113	98	101	111	102	114	110	103	97	97	103	107	139	122	108	85	97	4	3
CR210042			65	67	54	32	38	48	38	46	-0.76	10.7	-0.08	1.6	20.3	23	110	-43	9.2	-4.8	-4.6	19.1	24	34	1.60	-0.79	0.13		
											69	67	50	54	52	32	62	6	72	35	26	54	73	69	15	14	13		
CR 210048		SCH 150018 CR 170080	120	100	84	90	124	110	91	103	139	100	82	84	104	110	101	104	100	116	135	109	86	95	98	108	87		
CR210048			64	68	60	47	47	53	40	50	-2.87	12.1	0.67	-5.9	22.3	19	76	-43	11.0	-19.8	-11.2	20.3	-7	9	0.63	0.57	-0.45		
											66	68	57	60	58	47	65	7	74	51	33	58	75	72	9	8	8		
CR 210056		SCH 150018 CR 170005	126	111	105	75	125	127	100	121	135	111	86	105	113	129	120	110	115	116	138	105	116	129	119	113	108	9	9
CR210056			86	87	83	81	82	77	83	78	-2.55	18.7	0.50	-0.1	29.0	40	143	-50	19.7	-19.7	-11.6	18.0	11	41	2.72	0.88	0.76	2	
											87	87	83	83	84	81	85	79	88	82	80	84	88	87	79	79	79		
CR 210077		CR 160021 CR 130018	108	98	104	113	98	109	97	103	109	98	94	104	99	89	94		129	106	88	104	88	92	94	87			
CR210077			62	65	58	35	42	49	36	46	-0.41	10.9	0.18	-0.3	18.1	-6	49		27.8	-12.2	-1.7	17.4	-6	6	0.25	-0.67			
											64	65	53	58	54	35	63		72	47	26	54	74	70	6	5			
CR 210080		CR 160021 CR 140066	74	127	120	72	122	120	130	120	65	127	104	120	130	133	135	109	138	119	126	107	156	153	133	100	115	3	3
CR210080			84	85	82	78	79	75	81	76	3.25	27.7	-0.23	4.2	41.9	45	199	-49	32.9	-22.7	-9.3	18.9	34	63	4.08	0.08	1.14	1	
											85	85	81	82	82	78	83	76	86	79	77	81	86	85	76	76	76		
CR 210105		SCH 150018 CR 170127	105	113	102	78	117	113	110	110	112	113	77	102	119	124	118	112	108	106	131	102	112	125	116	99	82		
CR210105			62	63	56	43	42	49	39	47	-0.63	19.8	0.87	-0.7	33.4	35	138	-52	15.7	-12.3	-10.3	16.2	8	37	2.40	0.04	-0.75		
											64	63	53	56	52	43	65	6	73	43	28	54	75	72	7	7	7		
CR 210112		MS 180147 CR 170026	91	108	90	100	88	85	85	79	89	108	109	90	104	99	91	90	88	98	79	97	101	105	92	102	95		
CR210112			57	62	49	26	38	44	38	43	1.28	16.7	-0.43	-4.3	22.4	6	41	-28	4.3	-6.1	0.1	13.1	2	18	0.10	0.21	0.00		
											61	62	45	49	50	26	59	9	70	39	24	50	72	68	10	10	9		
CR 220014		CR 180069 CR 190164	113	114	121	91	110	131	111	126	108	114	112	121	118	106	115	107	89	106	109	110	82	104	121	107	107	1	1
CR220014			81	81	79	77	77	72	80	74	-0.29	20.0	-0.52	4.6	33.2	15	126	-46	4.7	-12.3	-5.9	20.7	-9	17	2.87	0.51	0.68		
											82	81	78	79	80	77	81	76	84	77	76	79	84	83	76	76	76		

Sires

Bull			Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.
CR 220026		CR 190004 CR 190154	78	117	121	82	123	120	114	118	74	117	122	121	119	117	109	85	129	126	122	108	119	123	111	104	114	23	19
CR220026			86	87	80	77	78	75	80	76	2.53	21.7	-0.93	4.5	33.6	27	105	-23	27.5	-28.0	-8.4	19.7	12	35	1.93	0.33	1.09		
CR220026											88	87	80	80	80	77	82	76	85	78	76	80	85	84	76	76	76		
CR 220035		CR 190004 CR 190079	73	125	100	88	113	109	112	106	75	125	135	100	124	112	109	92	122	112	110	110	101	115	116	108	119	2	2
CR220035			84	85	81	79	80	75	81	76	2.40	26.6	-1.46	-1.5	37.7	20	106	-30	23.6	-16.8	-6.1	20.8	2	27	2.40	0.60	1.35		
CR220035											85	85	81	81	82	79	83	77	86	80	78	82	86	85	77	77	77		
CR 220043		CR 190023 CR 180051	74	138	129	63	126	132	135	133	81	138	84	129	140	146	140	129	135	118	140	105	129	139	147	108	119	13	8
CR220043			85	85	81	79	79	75	81	76	1.90	34.0	0.57	6.8	50.3	60	219	-71	31.1	-21.5	-12.1	17.7	18	50	5.43	0.59	1.39		
CR220043											86	85	81	81	80	79	83	77	85	79	78	81	86	85	77	77	77		
CR 220048		V8 190372 CR 180003	101	125	78	81	126	116	109	112	107	125	80	78	124	123	120	110	91	125	127	111	134	135	127	87	113	15	13
CR220048			87	88	82	80	81	77	82	78	-0.26	26.5	0.72	-7.5	37.8	33	144	-50	5.7	-27.0	-9.5	21.5	21	46	3.52	-0.67	1.03		
CR220048											88	88	82	82	84	80	83	78	85	81	78	83	86	85	78	78	78		
CR 220127		CR 180037 CR 150080	92	119	104	89	99	106	96	100	92	119	103	104	120	109	102		105	90	100	107	122	113				6	4
CR220127			60	64	44	14	25	40	21	36	1.00	23.0	-0.16	-0.3	34.1	18	81		13.7	0.0	-4.0	19.2	14	25					
CR220127											66	64	38	44	50	14	36		42	19	10	45	43	40					
CR 230083		BOS 199366 CR 130006	104	101	108	109	104	113	106	109	99	101	124	108	103	92	108	101	119	96	93	120	104	109	106	89	84	12	
CR230083			73	67	57	31	39	50	26	45	0.43	12.6	-1.00	0.7	21.2	-2	100	-40	21.8	-4.4	-2.6	26.9	4	22	1.49	-0.51	-0.62		
CR230083											78	67	57	57	62	31	41	8	45	42	25	49	46	44	12	11	11		
CR 230092		BOS 199141 CR 170068	93	125	79	84	108	100			91	125	107	79	126	118	120	118	111	103	106	109	122	121	115	91	96	14	
CR230092			72	66	51	25	39	48			1.05	26.4	-0.33	-7.4	39.0	27	143	-58	17.1	-9.8	-5.3	20.5	14	33	2.31	-0.42	0.04		
CR230092											78	66	53	51	60	25	29	7	33	41	26	50	31	31	11	10	10		
CR 230093		BOS 199366 CR 180041	90	98	106	120	99	106	99	101	85	98	119	106	97	81	102	99	116	94	93	110	115	106	95	91	83	9	
CR230093			70	67	53	35	40	50	26	45	1.57	10.9	-0.81	0.2	16.9	-14	78	-37	20.5	-2.7	-2.8	21.0	10	19	0.37	-0.44	-0.65		
CR230093											75	67	54	53	62	35	39	8	44	44	28	49	44	42	13	12	12		
CR 230106		BOS 199366 CR 180051	73	130	138	79	102	122	129	122	53	130	102	138	129	121	132	123	149	92	99	113	153	145	129	93	100	1	
CR230106			66	68	54	38	42	50	28	46	4.28	29.4	-0.12	9.4	41.3	31	188	-64	39.0	-1.2	-4.0	22.9	32	56	3.66	-0.31	0.27		
CR230106											69	68	54	54	62	38	46	8	50	45	29	52	51	49	13	12	12		
ENB 160138		ENB 080106	84	100	115	99	77	82			87	100	97	115	96	98				69	88	90						4	4
ENB16138			61	63	49	40	36	46			1.45	12.3	0.07	2.8	16.2	5				16.9	-1.6	8.7							
ENB16138											65	63	49	49	58	40				41	13	55						2	4
FRJ 160077		FXF 120091 FRJ 080525	124	111	58	90	98	88	122	89	123	111	92	58	115	111	118	105	153	90	104	101	109	107	112	75	126	149	137
FRJ160077			95	96	91	74	77	80	48	74	-1.61	18.7	0.25	-13.2	30.8	20	136	-45	41.2	0.1	-4.8	15.6	7	20	2.01	-1.37	1.78		
FRJ160077											96	96	90	91	92	74		5	92	88	58	86	55	53	31	28	27	32	51

Sires

Bull				Selection Values						Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny				
ID	Index EBV Acc	Sire ID	Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.	
OKT 160004		OKT 130031	OKT 060038	83	90	119	102	89	86	86	79	83	90	107	119	92	96	87	69	95	63	126	85	90	92	88	88	93	184	179	
OKT 160004				96	97	92	90	90	85	89	86	1.77	6.4	-0.32	3.8	13.2	2	23	-5	8.3	21.7	-9.2	5.3	-4	5	-0.36	-0.61	-0.10	23	21	33
PD 170182		PD 140151	PD 140190	97	112	92	99	100	101			97	112	98	92	107	100	115		112	88	100	110	114	107					2	
PD17-0182				60	69	50	14	39	44			0.57	19.0	0.01	-3.6	24.7	7	125		18.0	1.6	-4.1	21.1	10	20						
				65	69				43	50		65	69	43	50	56	14	25		29	37	22	58	30	28						
PD 200263		PD 170182	PD 170257	90	108	96	91	99	92	117	92	89	108	106	96	105	108	111	99	106	92	101	105	112	108	108	98	106	64	46	
PD20-0263				89	91	79	77	79	76	78	76	1.24	16.9	-0.29	-2.6	23.0	17	113	-38	14.6	-1.1	-4.4	17.8	9	21	1.59	-0.02	0.63	3		
				89	91				77	79		92	91	77	79	84	77	79	76	80	78	77	83	81	80	76	76	76			
RLR 180027		RLR 150055	RLR 160089	103	102	79	118	91	93	102	90	100	102	108	79	103	85	106	91	130	94	86	100	92	101	101	101	118	34	32	
RLR 180027				92	92	88	86	87	82	87	83	0.33	13.3	-0.39	-7.3	21.1	-10	95	-30	28.0	-2.6	-1.2	14.8	-3	14	0.95	0.14	1.29	3	4	4
				93	92				88	88		93	92	88	88	89	86	88	84	90	87	84	89	90	90	84	84	84			
ROCK2101 24		BOS 100528	ROCK160105	77	116	103	85	104	97			64	116	113	103	111	115	108	100	110	103	106	103	111	111	104	94	99	39	29	
ROCK210124				79	84	55	17	39	52			3.35	21.5	-0.55	-0.5	27.3	24	100	-39	16.8	-9.9	-5.2	16.6	8	24	1.28	-0.27	0.25			
												85	84	58	55	54	17	19	6	22	37	24	57	21	20	10	9	9			
SCH 140256		WO 110544	SCH 080460	61	125	114	87	98	100	106	97	57	125	69	114	125	111	120	120	126	88	115	92	130	126	119	101	104	51	114	
SCH140256				89	95	87	80	74	78	50	72	3.90	26.8	1.16	2.4	38.2	20	146	-60	25.7	1.6	-7.0	9.9	19	38	2.70	0.15	0.55	32	21	70
												91	95	84	87	84	80	89	8	93	79	52	90	93	92	17	16	16			
SCH 150018		SCH 110120	SCH 130021	113	127	81	69	132	122	121	120	144	127	81	81	137	142	131	120	100	123	149	102	103	128	131	123	104	112	120	
SCH150018				96	97	94	93	92	87	91	88	-3.33	27.8	0.71	-6.9	47.8	55	186	-61	10.9	-25.2	-13.9	16.0	3	40	3.87	1.44	0.54	45	36	83
												97	97	93	94	94	93	95	86	96	93	88	94	96	96	86	86	86			
TG 210233		TG 190039	BA 150481	120	116	84	100	107	117	100	112	119	116	93	84	111	99	113	116	111	116	92	111	106	108	108	101	107	44	24	
TG210233				90	88	81	79	80	77	78	77	-1.27	21.4	0.20	-5.8	27.3	6	120	-56	17.6	-20.2	-2.4	21.5	5	21	1.67	0.15	0.71			
												92	88	83	81	80	79	79	78	79	80	78	83	79	79	78	78	78			
V8 190372		BOS 166136	OKT 170158	119	101	89	92	117	109	104	105	116	101	101	89	103	108	107	81	73	112	124	105	113	132	116	92	105	66	62	
V8190372				92	93	86	83	85	81	84	82	-1.03	12.5	-0.09	-4.6	21.0	16	99	-19	-4.4	-16.8	-8.8	18.0	9	44	2.40	-0.38	0.56	6	6	6
												94	93	87	86	89	83	85	80	87	86	82	88	87	86	80	80	80			
VOVA13003 8		FXF 060520	FXF 060640	72	120	107	72	84	78	88	73	85	120	70	107	114	133	101	102	92	80	96	87	114	112	99	102	96	3	18	
VOVA130038				69	83	74	54	62	64	36	58	1.62	23.9	1.12	0.6	29.6	45	75	-41	6.4	8.5	-3.3	7.0	10	24	0.77	0.24	0.06	4	6	19
												70	83	66	74	76	54	60	6	67	66	42	78	50	48	16	14	14			
WO 140164		WO 120232	WO 070599	78	146	80	63	113	103	154	110	87	146	79	80	148	150	154	129	152	114	119	102	139	143	150	108	118		36	
WO140164				78	88	79	61	66	69	45	64	1.39	38.5	0.79	-7.1	56.5	64	267	-71	40.5	-18.1	-7.9	15.9	24	54	5.74	0.55	1.33	6	8	27
												79	88	75	79	84	61	66	18	84	69	47	83	74	72	20	18	18			

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	
				Value	Value	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight					Fertility	Fertility	ty							Grwth
WO 140608				108	90	94	123	87	94	81	86	107	90	101	94	90	79	87	87	104	88	104	79	91	84	77	109	91			
WO140608				71	88	76	53	63	65	32	58	-0.21	6.5	-0.09	-3.1	11.1	-17	24	-25	13.2	1.7	-4.9	1.8	-4	-2	-1.41	0.66	-0.20	1	9	33
WO 180938				78	127	95	77	104	97	112	95	63	127	121	95	126	127	118	116	142	116	91	106	97	106	118	99	103	71	70	
WO180938				94	95	89	88	88	83	88	84	95	95	90	89	91	88	92	84	93	89	86	90	93	93	85	85	85	26	9	10

Growth Tests

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

Animal					Weight		Frame				Growth				Carcass			
Test Code	Sex	Test no	Sire ID	Cow	Wean	End-	Length	Height	Length/ Height	Scrotum	Intake	ADG	FCR	Growth Value	EMA	Fat	Marbling	Carcass Value
Test station		ID	Dam ID	Value	dir	weight												
201701 D11 M 0464269BMA																		
CCM FARM CC		CR 160021	 CR 130036	111	109	103	100	88	118	146	98	98	82	96	102	94	107	99
		84522143		85	97	20	14	-6	1.17	37.6	0.16	64	-20	87	1.09	-0.22	0.67	81
					93	93	92	93	92	93	81	91	81		81	81	81	81
202101 D11 M 0459138BMA																		
JANSEN VAN RENSBURG		FRJ 200040	 FRJ 160077	98	84	88	78	79	90	125	103	98	89	101	86	71	116	80
		90830811	FRJ 120124	79	92	5	-7	-11	1.10	25.6	0.08	66	-27	83	-0.51	-1.56	1.19	80
					88	88	80	80	80	88	78	86	78		80	80	80	80
202201 D11 M 0464269BMA																		
CCM FARM CC		CR 210080	 CR 160021	120	127	143	153	156	114	138	59	135	109	130	133	100	115	132
		92686765	CR 140066	75	85	58	63	34	1.17	32.9	0.90	199	-49	81	4.08	0.08	1.14	76
					86	86	85	86	86	86	76	83	76		76	76	76	76
202301 D11 M 0464269BMA																		
CCM FARM CC		CR 220026	 CR 190004	120	117	116	123	119	114	129	82	109	85	114	111	104	114	110
		94259900	CR 190154	75	87	32	35	12	1.17	27.5	0.47	105	-23	80	1.93	0.33	1.09	76
					84	84	84	85	84	85	76	82	76		76	76	76	76
202501 D11 M 0464269BMA																		
CCM FARM CC		CR 240006	CR 210015	123	117	122	127	116	126	129	78	120	103	116	116	111	97	115
		96858162	CR 210100	44	63	38	39	11	1.19	27.7	0.55	146	-43	39	2.42	0.72	0.12	10
					70	70	70	73	72	71	8	62	8		10	9	9	10
		CR 240018	CR 210010	108	105	99	96	94	100	88		99		86				
		96862842	CR 210016	39	60	16	9	-2	1.13	4.4		68		36				
					69	69	69	72	70	71		60						
		CR 240032	CR 210056	112	101	106	112	112	105	138	104	100	96	84	96	102	96	95
		96921465	CR 210068	44	62	23	25	8	1.14	32.7	0.04	73	-35	38	0.41	0.20	0.04	5
					70	70	69	73	71	71	5	62	5		5	5	5	5
		CR 240033	CR 210056	118	112	102	103	88	122	99		99		83	103	105		102
		96921473	CR 200010	45	63	19	16	-6	1.19	10.7		67		37	1.17	0.42		6
					70	70	69	73	71	71		62			6	5		
		CR 240036	CR 210015	114	102	105	110	73	149	101		98		109				
		96921507	CR 200215	37	59	21	23	-14	1.28	11.5		64		34				
					68	68	67	71	69	69		59						
		CR 240048	 CR 160021	111	128	124	124	117	118	119	77	120	103	125	124	99	116	124
		96966627	CR 210164	74	82	39	36	11	1.18	22.0	0.55	145	-42	80	3.18	0.05	1.22	76
					84	84	84	85	84	84	76	82	76		76	76	76	76
		CR 240054	 CR 210015	136	114	131	136	123	131	131	66	131	111	128	127	119	106	128
		96966668	CR 200129	74	84	47	48	14	1.21	28.5	0.77	186	-51	81	3.49	1.22	0.62	77
					85	85	85	86	86	85	77	83	77		77	77	77	77
		CR 240061	 BOS 199366	100	111	112	115	119	102	111	89	115	107	110	114	96	106	109
		97054712	CR 200127	76	85	28	28	12	1.13	17.3	0.34	126	-46	82	2.20	-0.15	0.65	79
					85	85	85	86	86	86	79	84	79		79	79	79	79

Growth Tests

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

Animal				Weight		Frame				Growth				Carcass				
Test Code	Sex	Test no	Sire ID	Cow	Wean	End-	Length	Height	Length/	Scrotum	Intake	ADG	FCR	Growth	EMA	Fat	Marbling	Carcass
Test station		ID	Dam ID	Value	dir	weight			Height					Value				Value
202501 D11 M			0464269BMA															
CCM FARM CC		CR 240067 97208482	BOS 199366 CR 200030	101	106	109	112	123	91	143	95	105	93	110	101	86	87	100
				48	65	25 70	25 69	15 73	1.11 71	35.7 71	0.23 8	89 61	-31 8	39	0.91 13	-0.71 12	-0.43 11	12
202502 D11 M			0464269BMA															
CCM FARM CC		CR 240074 97312789	BOS 200011 CR 160049	99	105	97	97	99	95	91	115	94	97	84	88	93	88	91
				47	67	14 69	10 68	1 72	1.12 70	6.1 71	-0.16 7	50 60	-36 7	38	-0.33 10	-0.29 9	-0.37 9	10
		CR 240077 97312813	PD 200263 CR 140066	93	104	115	126	149	82	86	113		118					
				41	65	31 68	38 68	30 72	1.09 70	2.9 70	121 58		34					
		CR 240079 97312839	BOS 200011 CR 190101	119	118	118	117	111	114	117	89	112	101	111	115	98	111	117
				47	67	34 70	30 70	8 73	1.17 72	20.7 71	0.33 7	115 62	-40 7	38	2.32 10	0.02 10	0.90 9	10
		CR 240081 97312854	BOS 200011 CR 190154	104	111	104	100	102	98	95	103	108	112	99	101	90	91	102
				42	63	21 69	14 68	3 72	1.12 70	8.0 70	0.06 7	101 59	-52 7	38	0.98 9	-0.50 8	-0.24 8	8
		CR 240082 97312862	BOS 200011 CR 190085	104	117	118	122	114	119	106	97	106	98	103	110	97	98	113
				47	67	34 70	34 69	9 73	1.18 71	14.5 71	0.19 8	93 61	-37 8	39	1.81 10	-0.09 9	0.21 9	10
		CR 240083 97312870	BOS 200011 CR 190125	123	114	109	106	92	122	84	97	110	108	102	109	98	93	110
				48	67	25 69	20 69	-3 72	1.19 70	2.1 71	0.18 8	110 61	-48 8	38	1.70 10	-0.03 9	-0.09 9	10
		CR 240085 97312896	BOS 200011 CR 190066	113	102	97	95	91	104	108	113	92	90	86	90	93	92	92
				48	67	14 69	8 69	-4 72	1.14 70	15.7 71	-0.12 7	43 60	-28 7	38	-0.10 10	-0.33 9	-0.15 8	10
		CR 240091 97479869	BOS 199366 CR 150115	93	99	96	103	107	97	91	114	92	92	86	89	83	72	89
				47	65	13 69	17 69	5 73	1.12 71	6.0 71	-0.14 8	44 61	-31 8	38	-0.18 12	-0.90 11	-1.27 11	12
		CR 240093 97479877	BOS 199366 CR 190163	96	99	103	106	118	87	109	101	107	107	106	101	79	74	100
				44	63	20 69	19 68	12 72	1.10 70	16.0 70	0.11 8	99 60	-47 8	38	0.92 12	-1.09 11	-1.18 11	12
		CR 240119 97480206	PD 200263 CR 170144	94	101	95	88	80	107	89	95		97					
				38	63	12 68	2 67	-10 71	1.15 69	4.8 69	53 58		34					
		CR 240122 97480230	 BOS 199366 CR 170058	109	122	122	127	125	112	137	86	115	103	113	114	99	114	115
				76	85	38 85	39 85	16 86	1.16 86	32.1 86	0.39 79	126 84	-43 79	82	2.27 79	0.07 79	1.08 79	79
		CR 240125 97750350	CR 210080 CR 200104	102	114	112	117	117	105	125	106		104	104	98			105
				43	61	28 70	29 70	11 73	1.14 72	25.3 72	95 62		36	1.28 6	0.01 5			6
		CR 240146 97999460	BOS 199366 CR 180051	112	118	137	148	156	106	153	68	129	109	139	125	89	97	125
				50	68	52 71	59 71	34 74	1.15 72	41.2 72	0.74 8	178 63	-49 8	40	3.30 13	-0.53 12	0.14 12	12

Growth Tests

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

Animal				Weight		Frame				Growth				Carcass				
Test Code	Sex	Test no	Sire ID	Cow	Wean	End-	Length	Height	Length/	Scrotum	Intake	ADG	FCR	Growth	EMA	Fat	Marbling	Carcass
Test station		ID	Dam ID	Value	dir	weight			Height					Value				Value
202502 D11 M			0464269BMA															
CCM FARM CC		CR 240150	 BOS 199366	105	121	117	116	117	106	153	82	114	96	119	113	96	104	114
		97948764	 CR 190079	76	86	33	29	11	1.14	41.2	0.47	123	-34	82	2.10	-0.12	0.54	80
					86	86	86	87	86	86	79	84	79		80	80	80	80

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	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
CR 160021 84522143 CR160021	 CR 130036			107 96	109 97	103 92	104 88	97 88	111 85	96 87	105 85	99 81	105 -0.06 97	104 -0.21 91	95 1 88	109 17.4 97	103 -0.4 92	114 74 92	109 26.1 92	98 64 91	82 -20 81	146 37.6 93	113 -17.9 90	92 -2.4 83	92 9.8 92	88 -6 93	100 14 92	102 1.09 81	94 -0.22 81	107 0.67 81
BOS 199366 90099938 BOS199366	 BOS 100048  BOS 122301	6		79 94	102 96	117 88	121 87	90 88	104 83	107 88	101 84	100 85	59 3.75 96	119 -0.80 88	79 -16 87	102 13.2 96	117 3.4 88	127 105 90	104 21.8 92	106 95 89	96 -34 85	128 27.0 90	91 -0.7 89	78 0.3 86	108 19.9 90	119 13 90	111 24 90	102 1.08 85	89 -0.56 85	91 -0.21 85
FRJ 200040 90830811 FRJ200040	 FRJ 160077  FRJ 120124			113 91	84 92	99 84	103 82	108 83	98 79	101 83	94 80	80 80	106 -0.16 93	117 -0.72 85	96 2 82	84 2.9 92	99 -1.7 84	82 -1 86	88 9.6 88	98 66 86	89 -27 78	125 25.6 88	109 -14.5 83	107 -5.6 80	105 17.7 86	79 -11 80	78 -7 80	86 -0.51 80	71 -1.56 80	116 1.19 80
PD 200263 90936618 PD20-0263	 PD 170182  PD 170257			90 89	108 91	96 79	91 77	99 79	92 76	117 78	92 76	107 76	89 1.24 92	106 -0.29 77	108 17 77	108 16.9 91	96 -2.6 79	100 42 82	105 23.0 84	111 113 79	99 -38 76	106 14.6 80	92 -1.1 78	101 -4.4 77	105 17.8 83	112 9 81	108 21 80	108 1.59 76	98 -0.02 76	106 0.63 76
CR 210080 92686765 CR210080	 CR 160021  CR 140066			74 84	127 85	120 82	72 78	122 79	120 75	130 81	120 76	132 76	65 3.25 85	104 -0.23 81	133 45 78	127 27.7 85	120 4.2 82	125 101 82	130 41.9 82	135 199 83	109 -49 76	138 32.9 86	119 -22.7 79	126 -9.3 77	107 18.9 81	156 34 86	153 63 85	133 4.08 76	100 0.08 76	115 1.14 76
CR 220026 94259900 CR220026	 CR 190004  CR 190154			78 86	117 87	121 80	82 77	123 78	120 75	114 80	118 76	110 76	74 2.53 88	122 -0.93 80	117 27 77	117 21.7 87	121 4.5 80	124 98 81	119 33.6 80	109 105 82	85 -23 76	129 27.5 85	126 -28.0 78	122 -8.4 76	108 19.7 80	119 12 85	123 35 84	111 1.93 76	104 0.33 76	114 1.09 76
CR 230019 96050273 CR230019	CR 160021 CR 200206			98 58	102 61	107 48	99 32	97 38	100 44			92 6	99 0.41 61	97 0.08 47	99 6 32	102 13.2 61	107 0.7 48	107 59 47	102 20.3 56	93 48 43		121 23.1 45	103 -9.5 42	91 -2.2 24	103 16.4 48	99 1 45	98 12 44	93 0.14 6	85 -0.78 5	
CR 230025 96050315 CR230025	V8 190372 CR 200012			100 62	118 65	102 47	83 31	111 36	113 45	116 22	111 40	123 6	99 0.38 66	101 -0.09 48	118 27 31	118 22.6 65	102 -0.9 47	111 67 48	118 33.3 60	122 151 37		103 13.0 42	102 -8.8 43	115 -7.1 19	109 20.5 47	123 14 41	134 46 40	123 3.14 7	94 -0.23 6	105 0.57 6
CR 230030 96050364 CR230030	CR 200015 CR 200040			73 58	126 61	119 42	85 30	96 34	106 42	105 22	103 38	118 9	73 2.59 62	102 -0.13 42	113 22 30	126 27.1 61	119 3.8 42	133 121 44	125 38.5 57	120 145 33	123 -64 8	131 29.1 38	86 3.5 38	92 -2.5 20	112 22.3 43	120 13 38	122 34 37	115 2.30 9	99 0.05 9	100 0.31 8
CR 230034 96050398 CR230034	CR 200015 CR 200129			91 58	121 61	116 44	88 35	115 35	125 44	108 24	120 40	117 5	93 0.93 62	96 0.09 43	110 19 35	121 24.1 61	116 3.1 44	128 108 47	122 35.8 58	122 154 42		129 27.4 47	106 -11.9 40	120 -8.1 21	109 20.4 44	116 11 47	120 33 45	116 2.44 5	105 0.42 5	
CR 230043 96050471 CR230043	CR 200093 CR 190024			101 56	117 61	89 44	81 33	123 33	113 43	103 24	108 39		104 0.03 60	91 0.30 42	122 32 33	117 22.0 61	89 -4.6 44	98 37 46	117 32.2 56	109 106 39		109 16.1 44	117 -20.9 36	123 -8.7 21	115 23.9 43	97 -1 44	106 19 43			
CR 230047 96050497 CR230047	CR 160021 CR 190101	25		119 65	100 68	112 58	96 39	109 45	119 51	96 28	113 46	98 8	115 -0.91 68	106 -0.27 56	101 9 39	100 12.2 68	112 1.9 58	108 60 55	100 19.3 58	97 61 52		140 33.8 55	117 -20.4 52	102 -4.5 30	106 18.7 53	96 -1 55	102 15 54	102 1.01 8	95 -0.20 7	106 0.61 5

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	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																													
CR 230081 96050786 CR230081		BOS 199366 CR 180072	79 64	101 68	115 55	109 38	105 42	106 50	100 27	101 45	100 12	81 1.93 67	100 -0.04 54	92 -2 38	101 12.7 68	115 2.9 55	116 81 54	101 20.0 64	105 90 43	102 -42 8	118 21.5 47	96 -4.7 46	99 -3.9 29	115 24.2 51	117 11 47	109 22 46	101 0.98 13	88 -0.59 12	85 -0.55 12
CR 230083 96050802 CR230083		BOS 199366 CR 130006	104 73	101 67	108 57	109 31	104 39	113 50	106 26	109 45	107 12	99 0.43 78	124 -1.00 57	92 -2 31	101 12.6 67	108 0.7 57	109 64 52	103 21.2 62	108 100 41	101 -40 8	119 21.8 45	96 -4.4 42	93 -2.6 25	120 26.9 49	104 4 46	109 22 44	106 1.49 12	89 -0.51 11	84 -0.62 11
CR 230084 96050810 CR230084		BOS 199366 CR 140074	93 63	93 66	109 55	113 25	95 37	98 46	93 27	93 42	88 12	92 1.01 66	105 -0.26 53	88 -6 25	93 8.2 66	109 1.2 55	104 52 49	94 14.0 61	97 60 42	97 -36 8	106 14.4 47	100 -7.8 39	80 -0.1 23	109 20.6 48	119 12 48	103 17 46	89 -0.27 12	81 -1.00 11	71 -1.34 11
CR 230091 96050885 CR230091		BOS 199141 CR 160112	87 59	120 63	100 50	82 24	98 33	97 43			115 10	89 1.29 63	98 0.01 46	119 29 24	120 23.7 63	100 -1.3 50	111 67 46	118 33.3 56	117 133 27	120 -60 6	117 20.6 30	93 -2.0 34	91 -2.3 21	111 21.4 45	131 20 31	130 42 30	112 2.05 10	86 -0.72 9	86 -0.52 9
CR 230092 96050893 CR230092	1	BOS 199141 CR 170068	93 72	125 66	79 51	84 25	108 39	100 48			117 10	91 1.05 78	107 -0.33 53	118 27 25	125 26.4 66	79 -7.4 51	100 41 47	126 39.0 60	120 143 29	118 -58 7	111 17.1 33	103 -9.8 41	106 -5.3 26	109 20.5 50	122 14 31	121 33 31	115 2.31 11	91 -0.42 10	96 0.04 10
CR 230093 96050901 CR230093	2	BOS 199366 CR 180041	90 70	98 67	106 53	120 35	99 40	106 50	99 26	101 45	95 12	85 1.57 75	119 -0.81 54	81 -14 35	98 10.9 67	106 0.2 53	111 67 52	97 16.9 62	102 78 39	99 -37 8	116 20.5 44	94 -2.7 44	93 -2.8 28	110 21.0 49	115 10 44	106 19 42	95 0.37 13	91 -0.44 12	83 -0.65 12
CR 230099 96050968 CR230099		BOS 199366 CR 170031	77 61	98 66	119 52	115 25	89 39	97 46	96 24	92 42	94 12	69 2.90 64	112 -0.52 51	86 -9 25	98 11.1 66	119 3.9 52	120 89 48	99 17.9 61	101 75 37	101 -40 8	111 17.5 40	89 1.3 45	85 -1.2 26	100 15.1 47	119 12 41	107 20 40	92 0.09 12	86 -0.69 11	85 -0.58 11
CR 230106 96051032 CR230106		BOS 199366 CR 180051	73 66	130 68	138 54	79 38	102 42	122 50	129 28	122 46	130 12	53 4.28 69	102 -0.12 54	121 31 38	130 29.4 68	138 9.4 54	148 155 53	129 41.3 62	132 188 46	123 -64 8	149 39.0 50	92 -1.2 45	99 -4.0 29	113 22.9 52	153 32 51	145 56 49	129 3.66 13	93 -0.31 12	100 0.27 12
CR 230110 96051073 CR230110		BOS 199366 CR 140066	72 63	99 66	124 55	96 28	103 37	98 47	109 28	96 43	101 12	67 3.10 66	100 -0.05 53	101 8 28	99 11.8 66	124 5.5 55	118 84 50	100 19.4 56	109 104 43	99 -38 8	109 16.3 48	102 -8.7 39	95 -3.0 23	111 21.3 48	137 23 49	124 36 47	102 1.01 12	86 -0.74 11	83 -0.69 11
CR 230111 96051081 CR230111	1	BOS 199366 CR 180104	77 63	117 67	105 54	87 37	101 41	98 49	119 26	98 44	115 12	73 2.55 66	112 -0.52 53	112 21 37	117 22.2 67	105 0.1 54	115 78 53	121 34.9 63	119 140 39	113 -53 9	126 26.0 44	99 -7.0 44	90 -2.1 28	114 23.4 50	125 16 44	118 31 42	113 2.14 13	91 -0.43 12	90 -0.25 12
CR 230144 96051412 CR230144		V8 190372 CR 170098	106 61	110 66	87 50	89 32	111 39	104 47	109 23	101 42	107 8	107 -0.21 64	97 0.07 49	111 20 32	110 17.7 66	87 -5.2 50	93 25 49	112 28.5 61	109 103 36	94 -32 6	92 6.7 41	106 -12.5 44	111 -6.4 23	109 20.6 50	110 7 41	117 30 40	109 1.79 8	90 -0.47 8	93 -0.11 7
CR 240006 96858162 CR 240006		CR 210015 CR 210100	105 59	117 63	113 44	83 36	114 33	123 44	116 39	120 43	115 10	103 0.11 64	104 -0.19 43	117 27 36	117 21.9 63	113 2.4 44	118 85 48	125 38.2 52	120 146 62	103 -43 8	129 27.7 71	103 -10.0 37	118 -7.6 22	112 22.3 41	116 11 73	127 39 70	116 2.42 10	111 0.72 9	97 0.12 9

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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																															
CR 240018		CR 210010		76	105	126	99	104	108	86	100		79	98	97	105	126	127		104	99		88	98	111	101	94	96			
96862842		CR 210016		56	60	39	25	27	39	36	38		2.05	0.03	4	15.0	5.8	105		22.2	68		4.4	-5.6	-6.3	15.2	-2	9			
CR 240018													61	39	25	60	39	41		46	60		71	31	13	38	72	69			
CR 240032		CR 210056		114	101	109	91	108	112	84	103	95	113	98	107	101	109	104		100	100	96	138	95	120	103	112	112	96	102	96
96921465		CR 210068		58	62	45	36	34	44	38	43	5	-0.71	0.02	15	12.8	1.2	51		19.4	73	-35	32.7	-3.7	-8.2	16.8	8	25	0.41	0.20	0.04
CR 240032													62	42	36	62	45	48		50	62	5	71	39	21	42	73	69	5	5	5
CR 240033		CR 210056		105	112	103	90	116	118	83	109	102	108	89	109	112	103	109		111	99		99	109	121	107	88	103	103	105	
96921473		CR 200010		59	63	47	35	35	45	37	43	6	-0.34	0.38	17	18.8	-0.5	64		27.2	67		10.7	-14.5	-8.3	19.1	-6	16	1.17	0.42	
CR 240033													63	44	35	63	47	48		50	62		71	39	24	43	73	69	6	5	
CR 240036		CR 210015		107	102	116	100	103	114	109	111		106	101	97	102	116	115		108	98		101	96	96	114	73	110			
96921507		CR 200215		55	59	41	17	20	37	34	36		-0.15	-0.09	4	13.1	3.0	76		25.0	64		11.5	-4.3	-3.2	23.7	-14	23			
CR 240036													60	39	17	59	41	39		44	59		69	19	10	32	71	67			
CR 240048		CR 160021		73	128	110	85	107	111	125	111	124	72	102	115	128	110	128		127	120	103	119	110	111	98	117	124	124	99	116
96966627		CR 210164		82	82	80	78	79	74	80	75	76	2.68	-0.14	24	28.3	1.5	109		40.2	145	-42	22.0	-15.1	-6.2	13.5	11	36	3.18	0.05	1.22
CR 240048													83	80	78	82	80	80		80	82	76	84	79	77	80	85	84	76	76	76
CR 240054		CR 210015		120	114	129	87	109	136	128	135	128	123	84	110	114	129	132		122	131	111	131	97	112	110	123	136	127	119	106
96966668		CR 200129		83	84	80	79	79	74	81	75	77	-1.60	0.59	19	20.2	6.8	116		36.4	186	-51	28.5	-5.4	-6.5	21.1	14	48	3.49	1.22	0.62
CR 240054													84	80	79	84	80	81		82	83	77	85	79	78	80	86	85	77	77	77
CR 240061		BOS 199366		80	111	105	93	106	100	110	98	109	80	106	105	111	105	111		111	115	107	111	96	104	113	119	115	114	96	106
97054712		CR 200127		84	85	83	81	81	76	82	77	79	2.02	-0.30	13	18.2	-0.1	68		27.9	126	-46	17.3	-4.5	-4.9	22.8	12	28	2.20	-0.15	0.65
CR 240061													85	82	81	85	83	83		84	84	79	86	82	80	82	86	85	79	79	79
CR 240067		BOS 199366		76	106	115	111	93	101	110	99	100	67	109	90	106	115	123		107	105	93	143	91	89	105	123	112	101	86	87
97208482		CR 200030		63	65	50	36	40	48	39	46	12	3.07	-0.40	-4	15.6	2.8	96		24.2	89	-31	35.7	-0.3	-1.9	17.7	15	25	0.91	-0.71	-0.43
CR 240067													67	51	36	65	50	50		56	61	8	71	45	28	47	73	69	13	12	11
CR 240074		BOS 200011		88	105	109	88	106	99	84	92	91	92	92	110	105	109	106		101	94	97	91	107	104	104	99	97	88	93	88
97312789		CR 160049		62	67	52	30	36	47	38	45	10	1.03	0.27	19	15.0	1.2	57		20.2	50	-36	6.1	-13.1	-4.9	17.1	1	10	-0.33	-0.29	-0.37
CR 240074													66	50	30	67	52	50		56	60	7	71	39	23	47	72	68	10	9	9
CR 240077		PD 200263		72	104	116	85	106	93	118	93		76	96	114	104	116	109		103	113		86	102	106	106	149	126			
97312813		CR 140066		61	65	50	15	25	41	34	40		2.35	0.11	23	14.4	3.1	64		21.1	121		2.9	-9.0	-5.4	18.5	30	38			
CR 240077													65	48	15	65	50	43		49	58		70	24	12	40	72	68			
CR 240079		BOS 200011		104	118	102	83	117	119	111	115	117	100	108	118	118	102	110		118	112	101	117	110	119	110	111	117	115	98	111
97312839		CR 190101		64	67	52	31	37	47	38	45	10	0.31	-0.37	28	22.8	-1.0	67		32.9	115	-40	20.7	-15.5	-7.9	20.9	8	30	2.32	0.02	0.90
CR 240079													68	50	31	67	52	50		57	62	7	71	41	25	46	73	70	10	10	9
CR 240081		BOS 200011		90	111	104	90	106	104	99	99	102	90	102	108	111	104	109		111	108	112	95	105	108	102	102	100	101	90	91
97312854		CR 190154		61	63	47	21	29	42	38	41	8	1.17	-0.15	16	18.6	-0.4	64		27.8	101	-52	8.0	-11.5	-5.6	16.1	3	14	0.98	-0.50	-0.24
CR 240081													65	45	21	63	47	44		50	59	7	70	27	17	42	72	68	9	8	8

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ID Number Name																													
CR 240082 97312862 CR 240082		BOS 200011 CR 190085	73 63	117 67	116 51	81 36	108 36	104 47	103 39	100 45	113 10	79 2.08 67	90 0.34 49	120 30 36	117 22.0 67	116 3.0 51	119 87 51	115 30.3 56	106 93 61	98 -37 8	106 14.5 71	101 -8.6 39	112 -6.4 23	107 18.9 47	114 9 73	122 34 69	110 1.81 10	97 -0.09 9	98 0.21 9
CR 240083 97312870 CR 240083	1	BOS 200011 CR 190125	104 64	114 67	96 52	92 33	124 37	123 48	102 38	118 46	110 10	105 -0.09 68	95 0.14 50	107 15 33	114 20.3 67	96 -2.4 52	107 59 51	116 31.7 56	110 110 61	108 -48 8	84 2.1 71	118 -21.5 40	130 -10.2 25	109 20.5 47	92 -3 72	106 20 69	109 1.70 10	98 -0.03 9	93 -0.09 9
CR 240085 97312896 CR 240085		BOS 200011 CR 190066	110 64	102 67	103 51	95 34	113 37	113 48	86 38	105 46	92 10	108 -0.36 68	100 -0.05 50	102 10 34	102 13.2 67	103 -0.5 51	102 46 51	100 18.7 56	92 43 60	90 -28 7	108 15.7 71	115 -19.3 40	111 -6.2 25	106 18.6 46	91 -4 72	95 8 69	90 -0.10 10	93 -0.33 9	92 -0.15 8
CR 240091 97479869 CR 240091		BOS 199366 CR 150115	80 63	99 65	115 54	105 29	92 37	93 47	86 38	86 45	89 12	80 2.03 66	107 -0.34 54	94 0 29	99 11.6 65	115 2.9 54	113 73 49	98 17.7 54	92 44 61	92 -31 8	91 6.0 71	89 1.3 41	84 -0.9 24	108 19.9 46	107 5 73	103 17 69	89 -0.18 12	83 -0.90 11	72 -1.27 11
CR 240092 97347678 CR 240092		BOS 199366 CR 150006	81 64	103 68	125 56	93 33	102 41	104 49	101 28	99 45	101 14	80 2.03 67	111 -0.48 54	104 11 33	103 14.0 68	125 5.5 56	120 90 52	104 21.9 56	104 86 43	95 -34 8	119 22.0 48	96 -4.3 45	98 -3.7 28	112 21.9 49	126 16 48	115 28 47	103 1.18 14	94 -0.26 13	98 0.19 13
CR 240093 97479877 CR 240093		BOS 199366 CR 190163	79 61	99 63	116 50	112 23	90 34	96 44	106 38	93 43	100 12	80 1.99 64	104 -0.21 49	89 -5 23	99 11.4 63	116 3.1 50	116 79 45	101 19.5 52	107 99 60	107 -47 8	109 16.0 70	85 4.5 37	82 -0.5 22	110 20.8 43	118 12 72	106 19 68	101 0.92 12	79 -1.09 11	74 -1.18 11
CR 240116 97480172 CR 240116	2	BOS 199366 CR 180035	85 63	94 67	105 53	122 35	93 41	97 49	93 24	91 44	86 12	83 1.77 66	112 -0.53 52	79 -17 35	94 8.4 67	105 0.1 53	106 57 52	94 14.5 56	92 45 38	87 -25 8	111 17.4 43	93 -2.1 45	88 -1.7 28	104 17.4 49	103 3 42	94 8 41	87 -0.43 13	91 -0.45 12	82 -0.71 12
CR 240119 97480206 CR 240119		PD 200263 CR 170144	91 60	101 63	109 46	91 7	99 23	94 38	97 34	89 37		95 0.76 64	91 0.31 47	107 15 7	101 12.4 63	109 1.2 46	103 50 39	98 17.7 46	95 53 58		89 4.8 69	92 -1.6 21	98 -3.6 10	108 19.8 39	80 -10 71	88 2 67			
CR 240122 97480230 CR 240122	1 	BOS 199366 CR 170058	79 84	122 85	114 83	87 80	102 81	109 76	113 82	107 77	115 79	67 3.07 85	119 -0.81 82	111 20 80	122 25.1 85	114 2.4 83	127 106 83	120 34.6 84	115 126 84	103 -43 79	137 32.1 86	101 -8.5 82	95 -3.0 80	111 21.4 82	125 16 86	127 39 85	114 2.27 79	99 0.07 79	114 1.08 79
CR 240125 97750350 CR 240125		CR 210080 CR 200104	83 58	114 61	102 46	82 34	112 32	102 43	104 36	98 42	105 6	82 1.81 62	108 -0.38 44	119 29 34	114 20.2 61	102 -0.9 46	106 56 47	112 28.6 49	106 95 62		125 25.3 72	111 -16.4 36	109 -5.8 19	110 20.8 41	117 11 73	117 29 70	104 1.28 6	98 0.01 5	
CR 240146 97999460 CR 240146		BOS 199366 CR 180051	70 64	118 68	137 54	85 38	100 41	112 50	139 40	115 48	125 12	56 3.97 67	95 0.16 54	113 22 38	118 22.8 68	137 9.0 54	141 138 53	120 34.7 58	129 178 63	109 -49 8	153 41.2 72	95 -3.9 45	97 -3.4 29	109 20.5 49	156 34 74	148 59 71	125 3.30 13	89 -0.53 12	97 0.14 12
CR 240150 97948764 CR 240150		BOS 199366 CR 190079	78 85	121 86	94 83	116 81	92 82	105 76	119 82	104 77	114 80	64 3.30 86	122 -0.92 83	87 -8 81	121 24.1 86	94 -3.0 83	124 98 83	122 35.8 84	114 123 84	96 -34 79	153 41.2 86	94 -3.0 82	79 0.1 80	108 19.9 83	117 11 87	116 29 86	113 2.10 80	96 -0.12 80	104 0.54 80

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CR 250013 98639255 CR 250013		PD 200263 CR 210108	98 59	94 62	104 39	97 16	100 26	93 39				96 0.64 64	104 -0.22 42	101 8 16	94 8.7 62	104 -0.2 39	95 31 39	93 13.9 49	95 54 28		96 8.8 33	100 -7.1 29	95 -3.1 11	107 19.0 37	111 8 34	94 8 32			
CR 250020 98662257 CR 250020		PD 200263 CR 220210	85 56	106 59	109 38	88 13	104 23	97 36				87 1.39 61	96 0.09 39	111 20 13	106 15.8 59	109 1.1 38	107 59 37	105 22.5 44	104 87 28		106 14.7 32	94 -2.5 21	100 -4.1 12	116 24.4 36	117 11 33	106 19 31			
CR 250023 98662281 CR 250023		PD 200263 CR 210001	91 61	109 64	107 43	100 26	111 30	114 42				91 1.12 66	104 -0.21 45	97 4 26	109 17.5 64	107 0.7 43	116 80 44	109 25.7 52	108 102 30		99 10.3 36	103 -9.7 33	108 -5.7 18	114 23.5 40	103 3 36	105 18 35			
CR 250025 98702152 CR 250025	4	BOS 199366 CR 220081	79 63	113 66	114 49	88 33	103 40	102 47	107 28	99 43	108 14	66 3.19 67	117 -0.75 51	110 18 33	113 19.7 66	114 2.5 49	119 86 49	113 29.1 57	111 112 43	104 -44 9	130 28.1 46	98 -5.7 46	94 -2.9 27	114 23.7 46	120 13 47	116 28 46	110 1.85 15	95 -0.21 13	99 0.24 13
CR 250029 98702194 CR 250029		PD 200263 CR 210017	79 62	107 65	112 45	90 29	108 32	101 44	105 20	98 39		80 2.01 66	104 -0.20 46	108 16 29	107 16.4 65	112 1.8 45	112 70 46	106 24.0 52	105 92 33		106 14.5 37	91 -0.1 35	120 -8.0 18	107 19.1 42	110 7 38	106 19 36			
CR 250030 98702202 CR 250030		PD 200263 CR 220021	81 62	118 64	105 43	89 23	99 32	100 42				81 1.88 66	104 -0.20 46	109 17 23	118 22.3 64	105 0.1 43	117 82 43	114 30.2 52	110 110 33		125 25.2 37	95 -3.5 35	93 -2.8 19	109 20.7 42	110 7 37	112 24 36			
CR 250032 98702228 CR 250032	1	BOS 199366 CR 210087	77 63	104 66	117 51	109 36	99 40	105 48	100 26	100 44	97 12	65 3.25 67	112 -0.54 51	92 -2 36	104 14.7 66	117 3.3 51	121 93 51	105 23.0 58	101 74 41	92 -31 8	116 20.2 45	88 1.9 46	100 -4.0 26	109 20.6 47	112 8 45	106 19 44	98 0.62 13	87 -0.66 12	86 -0.49 11
CR 250034 98702244 CR 250034		BOS 199366 CR 210154	75 59	98 61	118 46	111 23	92 33	96 42	94 23	91 38	91 12	75 2.38 63	107 -0.32 47	90 -4 23	98 11.1 61	118 3.8 46	117 82 43	99 18.1 50	97 60 35	96 -35 8	111 17.3 38	91 -0.5 35	84 -0.9 22	108 19.5 42	113 9 38	102 16 37	92 0.03 12	82 -0.96 11	73 -1.26 11
CR 250038 98751381 CR 250038		BOS 199366 CR 210058	84 63	104 65	113 50	97 36	104 40	103 48	99 26	98 44	97 14	81 1.94 67	116 -0.67 51	100 7 36	104 14.3 65	113 2.3 50	113 73 50	105 23.2 56	100 71 40	90 -28 8	108 15.9 44	99 -7.1 45	96 -3.3 28	114 23.3 47	115 10 44	108 21 43	99 0.80 14	87 -0.66 13	93 -0.12 13
CR 250050 98849409 CR 250050	2	BOS 199366 CR 220066	84 63	110 65	106 48	96 31	107 38	105 46	107 25	102 42	108 12	82 1.86 67	111 -0.48 50	101 9 31	110 18.1 65	106 0.3 48	114 75 48	111 27.6 56	111 110 39	102 -41 8	113 18.5 42	96 -4.6 44	104 -4.9 25	115 23.9 46	124 16 43	122 35 41	109 1.72 13	88 -0.61 12	89 -0.34 11
CR 250055 98854888 CR 250055		CR 220048 CR 210161	89 52	115 55	99 34	85 19	110 23	104 35				95 0.78 57	85 0.54 34	115 25 19	115 20.8 55	99 -1.6 34	107 58 36	114 29.7 38	107 99 30		96 8.5 35	106 -12.3 23	110 -6.1 12	108 19.8 33	125 16 36	119 31 34			
CR 250057 98873284 CR 250057		CR 220127 CR 210164	80 50	111 53	114 35	90 7	101 14	101 31				84 1.64 55	92 0.25 31	108 16 7	111 18.7 53	114 2.4 35	118 84 32	110 26.9 36	100 73 23		96 8.7 27	95 -3.2 9	101 -4.2 5	108 19.9 29	117 11 28	108 21 26			

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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																															
CR 250072		TG 210233		102	112	90	96	116	113			98	108	81	102	112	90	102		109	102		98	120	107	112	107	103	100	95	102
99047292		CR 180003		61	64	46	30	34	44			10	-0.30	0.69	9	19.2	-4.3	47		25.8	80		10.0	-23.3	-5.5	22.3	5	16	0.84	-0.20	0.44
CR 250072													65	47	30	64	46	47		38	25		30	36	21	44	30	29	10	9	8
CR 250075		TG 210233		111	119	102	80	112	118			116	111	97	121	119	102	110		115	117	116	119	105	108	114	130	125	116	102	110
99047847		CR 150006		61	64	48	26	31	43			12	-0.54	0.07	32	23.1	-0.9	65		31.0	133	-56	22.0	-11.0	-5.7	23.8	19	37	2.41	0.21	0.88
CR 250075													65	47	26	64	48	46		35	28	5	33	32	20	42	33	31	12	11	10
CR 250078		TG 210233		97	104	107	90	111	107			102	102	85	108	104	107	105		101	109		98	115	101	111	127	119	102	91	90
99047870		CR 140066		60	63	48	20	25	41			8	0.14	0.53	16	14.2	0.7	53		20.0	106		10.3	-19.1	-4.3	21.9	17	31	1.02	-0.42	-0.30
CR 250078													64	46	20	63	48	44		30	28		33	23	12	40	34	32	9	8	8
CR 250083	1	BOS 200011		99	95	105	100	111	105	87	98	88	98	105	98	95	105	98		96	90	85	88	103	119	105	90	91	87	89	88
99047920		CR 200077		63	66	50	34	36	47	24	42	10	0.53	-0.25	5	9.5	0.0	38		15.6	36	-23	4.5	-9.9	-7.8	18.1	-5	5	-0.41	-0.56	-0.41
CR 250083													67	49	34	66	50	50		52	37	8	41	39	23	45	42	40	10	9	8
CR 250084		TG 210233		108	112	103	96	104	116			108	109	94	102	112	103	113		109	111		122	109	92	111	110	112	107	97	103
99047938		CR 200024		62	64	44	28	32	43			10	-0.43	0.18	9	19.3	-0.5	73		25.8	111		23.6	-14.7	-2.5	21.5	7	25	1.50	-0.08	0.47
CR 250084													66	47	28	64	44	45		36	25		27	35	19	41	27	26	10	9	8
CR 250085	1	BOS 200011		88	129	93	75	114	108	118	107	122	87	106	130	129	93	109		129	122	120	111	108	111	113	117	119	116	96	100
99047946		CR 180104		62	67	52	35	37	47	24	42	10	1.40	-0.29	42	28.8	-3.4	63		41.3	153	-61	17.4	-13.4	-6.3	23.0	11	31	2.47	-0.12	0.28
CR 250085													66	50	35	67	52	51		52	36	9	41	38	25	47	41	39	10	9	9
CR 250086		BOS 200011		111	107	106	89	117	120	100	114	103	108	106	110	107	106	106		107	103	94	114	114	116	112	101	105	103	97	106
99047953		CR 190101		64	67	52	31	37	47	26	43	10	-0.31	-0.29	18	16.3	0.2	57		24.3	82	-32	19.0	-18.7	-7.2	22.0	2	18	1.12	-0.08	0.64
CR 250086													68	50	31	67	52	50		52	42	7	47	41	25	46	47	46	10	10	9
CR 250089	1	BOS 200011		119	92	100	105	107	108	81	100	81	115	105	94	92	100	92		91	85	85	82	102	106	109	82	83	80	93	85
99047987		CR 180011		62	67	52	33	37	47	23	42	10	-0.89	-0.27	0	7.2	-1.3	23		12.4	19	-23	0.8	-9.1	-5.2	20.1	-9	-3	-1.12	-0.29	-0.54
CR 250089													66	50	33	67	52	51		52	34	8	40	40	24	47	39	38	10	9	9
CR 250097		TG 210233		104	112	97	91	103	106			105	106	92	107	112	97	105		108	109		110	100	94	113	116	112	103	90	84
99070682		CR 200200		56	59	39	13	20	36			8	-0.18	0.25	15	19.0	-2.2	55		25.1	105		16.9	-7.4	-2.9	22.7	11	24	1.18	-0.50	-0.59
CR 250097													61	40	13	59	39	37		22	12		15	16	10	34	14	14	9	8	8
CR 250102	1	BOS 199366		79	111	105	103	102	103	108	100	104	76	115	95	111	105	117		112	107	97	130	104	93	108	111	109	105	91	93
99070732		CR 200020		65	67	52	36	41	49	26	44	12	2.29	-0.66	2	18.5	-0.1	81		28.4	98	-36	28.4	-11.0	-2.7	19.5	8	22	1.34	-0.44	-0.08
CR 250102													68	53	36	67	52	52		54	42	8	45	47	29	48	45	44	13	12	11
CR 250106	1	BOS 199366		78	100	116	96	88	85	98	82	96	70	115	101	100	116	111		100	100	90	114	80	90	101	111	108	96	87	89
99195745		CR 210071		63	66	51	36	40	48	26	44	12	2.86	-0.66	8	11.9	3.1	68		18.9	71	-29	18.8	8.0	-2.2	15.4	8	21	0.47	-0.63	-0.31
CR 250106													67	51	36	66	51	51		54	42	8	45	46	27	47	46	45	13	12	11
CR 250109		CR 220026		83	120	116	77	120	117	118	115	114	81	110	125	120	116	119		121	112	94	124	124	114	110	117	122	112	100	
99195778		CR 170058		59	64	46	20	30	42	24	38	5	1.90	-0.45	36	23.5	3.0	87		35.4	115	-33	25.0	-26.5	-6.8	21.0	11	34	2.08	0.09	
CR 250109													63	44	20	64	46	43		40	39	5	46	31	18	40	46	44	5	5	

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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																																
CR 250113 99207664 CR 250113		CR 220026 CR 210036		82 58	112 62	125 41	91 28	113 27	118 41	108 22	114 37		81 1.92 63	107 -0.34 40	106 14 28	112 18.8 62	125 5.5 41	128 108 44	114 30.0 36	108 102 37			115 19.9 43	108 -13.8 31	109 -6.0 14	113 23.1 36	105 4 44	113 26 42				
CR 250121 99195901 CR 250121		CR 220026 CR 140072		88 59	108 63	132 48	76 17	113 23	113 40	111 21	110 36		89 1.27 63	101 -0.10 45	125 36 17	108 16.5 63	132 7.7 48	120 89 43	108 25.5 32	110 107 36			126 26.1 44	112 -16.6 22	110 -6.1 10	110 20.7 38	128 18 43	127 39 41				
CR 250122 99195919 CR 250122		CR 220026 CR 140074		93 59	100 63	116 47	93 12	111 23	108 39	93 22	102 36		90 1.13 63	111 -0.49 43	105 12 12	100 12.1 63	116 3.1 47	109 64 41	101 19.6 35	94 52 39			103 13.0 45	119 -22.0 22	101 -4.4 9	109 20.1 38	114 10 46	105 18 44				
CR 250123 99195927 CR 250123		CR 220026 CR 210152		86 55	103 57	120 36	88 9	109 17	105 34	92 20	99 31		88 1.35 60	99 -0.02 37	110 19 9	103 13.9 57	120 4.2 36	113 73 34	104 22.1 24	99 68 34			111 17.4 40	108 -13.6 15	107 -5.4 6	108 19.5 30	110 7 41	106 19 38				
CR 250124 99195935 CR 250124		CR 220026 CR 180051		70 60	127 64	135 46	69 31	117 30	122 44	128 25	122 40		70 2.81 64	94 0.20 45	135 48 31	127 27.6 64	135 8.4 46	135 123 47	127 39.7 38	128 173 43			145 36.6 49	111 -16.1 31	120 -8.1 19	110 21.1 41	146 28 49	144 56 47				
CR 250127 99262404 CR 250127		BOS 199366 CR 210153		84 60	96 61	112 46	110 23	91 33	94 42	95 23	89 38	92 12	83 1.71 63	107 -0.32 48	91 -3 23	96 9.9 61	112 2.1 46	109 64 43	96 16.3 44	97 62 35	97 -36 8			111 17.6 38	90 0.0 35	85 -1.0 22	106 18.2 42	114 9 38	103 16 37	92 0.10 12	82 -0.95 11	73 -1.25 11
CR 250132 99262453 CR 250132		BOS 199366 CR 180044		85 63	105 67	103 53	110 35	98 40	102 48	100 26	97 44	98 12	83 1.74 66	111 -0.50 51	91 -3 35	105 15.2 67	103 -0.6 53	111 67 52	108 25.4 53	101 77 42	89 -27 8			119 22.0 46	94 -3.1 44	93 -2.6 28	110 20.8 48	110 7 46	109 22 44	101 0.91 13	92 -0.38 12	89 -0.30 12
CR 250138 99262511 CR 250138	7	CR 220043 CR 210126		86 58	132 62	115 43	69 36	117 33	122 44	122 26	120 40	130 10	93 0.92 63	84 0.59 42	137 49 36	132 30.4 62	115 2.8 43	124 99 47	135 46.4 40	129 177 41	121 -61 8			121 23.0 45	102 -8.8 36	123 -8.7 23	113 22.9 41	118 12 46	129 41 44	133 4.09 10	109 0.63 9	104 0.52 9
CR 250149 99358491 CR 250149	6	CR 220043 CR 190060		72 59	123 62	121 46	74 34	117 32	114 44	111 25	111 40	121 5	81 1.91 63	80 0.72 44	129 40 34	123 25.5 62	121 4.6 46	125 100 47	124 37.5 39	120 146 42			123 24.2 47	107 -12.6 34	124 -8.9 21	109 20.5 42	122 14 48	123 35 46	122 3.00 5	99 0.02 5	99 0.24 5	
CR 260006 6020456346 CR 260006	1	CR 230083 CR 220073		106 57	100 47	105 40	98 25	104 28	106 37			101 10	102 0.14 62	110 -0.43 41	100 7 25	100 11.9 47	105 0.0 40	102 47 37	101 19.5 43	104 88 28	99 -37 6			120 22.6 31	97 -5.0 34	95 -3.2 17	117 25.6 34	104 4 32	108 21 31	101 0.92 11	89 -0.53 10	86 -0.52 10
CR 260009 6020456379 CR 260009	1	CR 230093 CR 230006		111 56	101 45	96 34	113 25	112 29	118 35			98 6	107 -0.22 61	110 -0.43 38	89 -6 25	101 12.6 45	96 -2.5 34	101 45 35	101 19.7 42	103 83 27			112 18.2 31	109 -14.6 35	108 -5.8 17	111 21.3 34	104 4 31	103 16 30	98 0.63 7	95 -0.20 6	88 -0.37 6	
CR 260011 6020456395 CR 260011		CR 230092 CR 230105		99 58	115 47	98 38	93 25	103 31	108 37			105 6	96 0.69 63	109 -0.40 41	105 13 25	115 21.0 47	98 -2.1 38	110 66 37	115 30.5 43	107 97 28			118 21.3 30	102 -9.4 37	100 -4.0 19	107 18.9 37	108 6 30	109 22 29	105 1.30 7	93 -0.31 6	97 0.12 5	

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ID Number Name																														
CR 260012 6020456403 CR 260012		PD 200263 CR 230104		94 60	107 54	97 37	92 12	100 27	95 36			104 5	94 0.85 65	102 -0.14 43	106 14 12	107 15.9 54	97 -2.2 37	100 42 34	104 22.3 44	106 94 28		99 10.6 32	98 -5.9 31	96 -3.3 14	107 19.1 36	107 5 33	105 18 32	103 1.15 5	90 -0.45 5	93 -0.10 5
CR 260014 6020456429 CR 260014		CR 230083 CR 230061		102 57	107 46	106 35	94 22	108 28	111 35			107 7	97 0.62 62	115 -0.66 39	103 11 22	107 16.2 46	106 0.3 35	109 64 34	108 24.9 42	109 106 28		117 21.1 31	101 -8.0 34	101 -4.3 17	117 25.4 33	108 6 32	110 22 31	107 1.56 7	93 -0.30 7	96 0.07 6
CR 260015 6020456437 CR 260015		PD 200263 CR 230090		100 60	104 55	94 39	95 17	104 29	98 38			100 5	98 0.50 65	104 -0.22 43	103 11 17	104 14.2 55	94 -3.1 39	96 32 37	102 20.8 47	104 87 27		101 11.5 32	103 -9.5 33	101 -4.3 17	107 19.1 38	111 8 32	107 20 30	101 0.93 5	94 -0.25 5	
CR 260016 6020456445 CR 260016	2	CR 230083 CR 220081		86 59	115 48	109 41	83 28	109 31	106 39	108 20	103 35	112 10	82 1.84 63	121 -0.90 43	117 27 28	115 20.9 48	109 1.2 41	114 74 39	115 30.9 44	113 119 32	108 -48 6	126 26.1 35	100 -7.2 36	102 -4.4 20	118 26.0 36	114 10 35	116 28 34	113 2.15 10	95 -0.18 9	96 0.06 9
CR 260017 6020456452 CR 260017	7	CR 230083 CR 220009		113 57	106 47	113 40	95 28	114 29	125 37			110 6	107 -0.26 62	113 -0.58 41	102 9 28	106 15.7 47	113 2.1 40	114 76 38	111 27.2 42	111 113 29		108 15.6 33	104 -11.0 34	107 -5.4 19	121 27.7 35	98 0 33	108 21 32	108 1.66 6	99 0.03 6	93 -0.11 6
CR 260018 6020456460 CR 260018		PD 200263 CR 230057		109 61	104 55	96 40	92 22	103 31	102 39				108 -0.37 66	99 -0.02 45	106 14 22	104 14.3 55	96 -2.5 40	97 34 39	103 21.3 47	104 88 33		123 24.2 37	104 -10.3 35	100 -4.1 18	105 17.7 39	107 6 38	107 20 36			
CR 260019 6020456478 CR 260019		PD 200263 CR 230203		101 56	103 46	100 31	87 10	105 21	97 31				101 0.26 61	98 0.01 39	113 22 10	103 13.7 46	100 -1.5 31	96 32 29	101 19.8 38	103 84 27		108 15.5 32	95 -3.9 20	97 -3.5 11	118 25.8 33	112 9 33	104 17 31			
CR 260020 6020456486 CR 260020		CR 230083 CR 230009		117 56	99 44	102 33	105 18	105 26	114 33			100 6	110 -0.53 61	115 -0.64 37	94 0 18	99 11.6 44	102 -0.7 33	102 47 32	100 19.0 41	102 81 27		112 18.0 30	104 -10.2 32	97 -3.5 14	113 22.8 32	98 0 31	100 14 29	101 0.91 6	90 -0.46 6	86 -0.50 6
CR 260023 6020456536 CR 260023		PD 200263 CR 220140		78 60	109 54	113 40	91 14	110 28	105 37				76 2.32 65	111 -0.49 44	107 15 14	109 17.3 54	113 2.2 40	115 77 36	106 23.6 46	100 71 30		105 14.0 35	107 -13.1 32	106 -5.2 14	112 22.3 37	110 7 36	105 19 34			
CR 260024 6020456544 CR 260024	4	CR 230092 CR 230112		87 58	113 47	101 36	91 20	104 30	101 36			106 8	86 1.50 63	107 -0.33 40	108 16 20	113 19.7 47	101 -1.0 36	110 65 34	113 29.4 43	110 108 25	109 -49 5	114 19.3 28	99 -6.7 35	98 -3.6 19	112 22.5 35	121 13 27	114 27 26	104 1.29 9	93 -0.30 8	94 -0.07 8
CR 260026 6020456551 CR 260026	4	CR 230092 CR 230108		74 58	123 47	97 37	93 22	108 30	105 36			107 8	65 3.21 63	104 -0.22 40	106 13 22	123 25.6 47	97 -2.2 37	118 85 35	123 37.0 44	110 108 25	107 -47 5	109 16.2 28	105 -11.6 36	104 -4.9 19	110 21.3 36	118 12 28	113 26 27	107 1.50 9	90 -0.48 8	95 0.03 8
CR 260031 6020456601 CR 260031	2	CR 230093 CR 220083		85 58	104 47	108 40	101 28	103 30	102 38			95 9	81 1.91 62	117 -0.75 42	97 3 28	104 14.6 47	108 0.8 40	111 68 38	104 21.8 44	100 72 29	101 -40 6	116 20.5 32	101 -7.9 36	94 -2.8 20	114 23.4 35	105 5 32	100 13 31	95 0.40 9	88 -0.56 9	80 -0.84 8

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ID Number Name																															
CR 260032 6020531734 CR 260032		CR 230093 CR 220201		77 53	102 39	113 34	106 20	103 24		102 32			92 6	79 2.11 58	102 -0.15 37	94 0 20	102 13.3 39	113 2.3 34	115 77 31	101 19.9 34	98 64 25		104 13.6 29	96 -4.1 24	95 -3.0 16	117 25.4 31	114 9 29	102 15 28	94 0.26 7	81 -1.01 6	62 -1.83 6
CR 260033 6020531742 CR 260033	14	CR 230093 CR 230078		77 57	105 47	115 36	114 25	98 30		106 36			91 8	68 2.99 62	113 -0.56 39	88 -7 25	105 15.2 47	115 2.7 36	123 97 36	106 24.0 44	97 63 28	92 -30 6	114 19.3 32	91 -0.6 36	95 -3.0 19	110 21.0 35	113 9 31	105 18 30	93 0.16 9	89 -0.52 8	84 -0.60 8
CR 260034 6020531759 CR 260034		PD 200263 CR 230080		78 60	104 54	106 38	99 15	100 28		94 37			97 6	78 2.14 65	106 -0.31 43	99 6 15	104 14.7 54	106 0.3 38	109 63 36	102 20.9 46	102 80 29		107 15.1 33	96 -4.2 32	94 -2.9 15	109 20.7 37	111 8 34	103 16 32	98 0.67 6	90 -0.50 6	89 -0.35 6
CR 260037 6020531783 CR 260037		CR 230093 CR 230010		93 56	103 45	97 33	102 24	106 28		101 35			95 6	91 1.07 61	107 -0.33 37	96 3 24	103 13.9 45	97 -2.3 33	101 43 34	102 20.6 42	99 67 27		114 19.3 31	105 -11.2 34	99 -3.9 16	111 21.9 33	102 3 31	98 12 30	94 0.31 7	95 -0.21 6	90 -0.26 6
CR 260038 6020531791 CR 260038		PD 200263 CR 230022		93 60	109 55	98 37	93 19	103 29		100 38				92 0.98 65	103 -0.19 43	105 13 19	109 17.5 55	98 -1.9 37	105 53 37	108 25.0 46	107 98 30		103 12.8 34	100 -7.6 34	103 -4.7 15	105 17.7 38	110 7 35	114 26 33			
CR 260043 6020647126 CR 260043		CR 230083 CR 230204		103 55	100 41	108 35	103 23	105 27		110 34			96 7	99 0.39 60	110 -0.44 39	95 2 23	100 12.3 41	108 0.7 35	107 59 33	101 20.1 38	98 65 30		118 21.5 32	103 -9.9 30	91 -2.3 17	119 26.5 34	100 1 32	100 13 31	99 0.74 7	82 -0.97 7	69 -1.45 6
CR 260044 6020647134 CR 260044		PD 200263 CR 220021		93 62	113 56	103 42	92 23	98 31		101 40				94 0.85 66	99 0.00 46	106 14 23	113 19.5 56	103 -0.7 42	111 68 40	111 27.4 48	107 96 33		122 23.5 37	96 -4.6 35	92 -2.5 19	108 19.7 40	106 5 37	107 20 36			
CR 260045 6020647142 CR 260045		PD 200263 CR 220086		94 61	104 54	94 40	98 16	97 28		92 38			98 10	93 0.92 65	105 -0.26 45	100 7 16	104 14.4 54	94 -3.0 40	98 37 37	102 20.6 45	103 83 29		108 15.7 33	89 1.4 32	94 -2.9 13	110 20.9 38	105 4 34	101 15 32	98 0.68 10	93 -0.33 9	95 0.04 9
CR 260047 6020795446 CR 260047		TG 210233 CR 200103		131 62	113 54	93 44	89 33	119 31		128 42			110 10	128 -2.00 66	97 0.06 47	111 20 33	113 19.8 54	93 -3.4 44	102 46 44	114 29.9 36	113 118 28	110 -50 5	105 13.7 31	113 -17.8 34	116 -7.4 20	115 24.2 40	96 -1 30	108 21 30	110 1.85 10	103 0.27 9	97 0.13 8
CR 260050 6020795479 CR 260050		TG 210233 CR 170142		128 60	96 48	96 43	101 18	101 23		107 36			92 8	125 -1.78 64	97 0.05 46	97 4 18	96 9.9 48	96 -2.7 43	91 22 36	93 13.9 24	97 63 12		100 11.3 15	101 -8.6 23	90 -2.1 11	112 22.2 36	103 3 14	98 11 14	92 0.05 9	87 -0.64 8	79 -0.87 8
CR 260052 6020795495 CR 260052		TG 210233 CR 160049		107 61	109 53	98 45	90 26	101 31		103 40			100 10	112 -0.64 65	82 0.64 47	109 17 26	109 17.4 53	98 -2.1 45	102 47 41	105 22.8 36	103 83 26		105 14.0 31	107 -13.2 33	93 -2.7 19	104 17.4 41	112 8 29	109 22 28	98 0.69 10	95 -0.17 9	91 -0.20 9
CR 260053 6020795503 CR 260053		TG 210233 CR 200077		110 62	100 52	97 42	103 30	106 30		108 40			93 9	109 -0.41 66	100 -0.04 46	95 2 30	100 12.3 52	97 -2.3 42	98 38 41	98 17.8 36	97 61 24	97 -36 5	101 11.7 27	104 -10.6 33	107 -5.5 18	104 17.4 39	99 1 27	97 11 26	93 0.21 10	91 -0.44 8	89 -0.31 8

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	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																															
CR 260055		TG 210233		107	101	101	100	101	103			93	109	91	98	101	101	101	101	98	98		101	105	90	109	104	98	92	87	80
6020795529		CR 170137		60	48	43	13	21	35			8	-0.38	0.30	5	12.5	-1.1	44	44	17.3	64		11.5	-11.1	-2.1	20.2	4	12	0.10	-0.63	-0.86
CR 260055													64	45	13	48	43	35	26	12		15	16	10	36	14	14	9	8	8	
CR 260056		TG 210233		124	112	84	94	109	115			108	123	96	105	112	84	96	111	111		122	117	100	106	104	108	108	97	101	
6020795537		CR 200020		62	53	43	30	32	41			10	-1.54	0.09	12	19.3	-5.8	34	34	27.2	111		23.7	-20.8	-4.1	18.7	4	21	1.62	-0.09	0.38
CR 260056													66	46	30	53	43	42	36	26		29	35	21	40	28	27	10	9	8	
CR 260057		TG 210233		111	102	99	102	102	107			93	112	93	97	102	99	101	99	95		97	105	90	112	94	98	93	86	80	
6020795545		CR 200215		58	45	38	13	19	33			8	-0.62	0.22	3	13.4	-1.7	45	45	18.3	55		9.2	-11.3	-2.1	22.0	-2	11	0.17	-0.70	-0.85
CR 260057													62	42	13	45	38	32	22	18		23	16	10	32	23	21	9	8	8	
CR 260061	1	ROCK210124		92	110	102	87	113	106			100	92	100	113	110	102	105	110	103		99	104	118	109	102	105	100	95	87	
6020795586		CR 210051		59	54	43	30	31	41			6	0.97	-0.05	22	18.0	-0.9	53	26.5	84		10.6	-10.8	-7.6	20.1	3	18	0.83	-0.18	-0.45	
CR 260061													65	40	30	54	43	42	40	25		26	34	20	40	26	26	6	6	6	
CR 260062		TG 210233		119	110	84	91	111	109			107	119	91	109	110	84	92	110	112	112	110	109	108	109	108	106	106	106	95	94
6020795594		CR 170068		62	54	46	21	31	40			10	-1.27	0.29	18	18.0	-5.8	24	26.6	115	-52	17.1	-14.8	-5.7	20.5	6	19	1.42	-0.20	-0.04	
CR 260062													66	48	21	54	46	40	37	21	6	26	33	20	41	24	23	10	9	9	
CR 260064		TG 210233		90	119	109	88	95	104			111	93	92	110	119	109	121	116	113	117	115	91	86	112	117	116	109	97	95	
6020795610		CR 200040		60	52	41	29	29	39			12	0.92	0.24	19	23.3	1.1	91	31.2	119	-58	19.5	-0.7	-1.2	22.3	11	28	1.74	-0.04	0.02	
CR 260064													65	44	29	52	41	41	36	17	9	20	31	19	38	19	19	13	12	11	
CR 260067		TG 210233		125	113	89	105	117	130			106	121	104	95	113	89	106	112	110	109	102	118	116	106	98	106	106	103	100	
6020830847		CR 190025		61	53	43	33	32	41			10	-1.43	-0.20	1	19.8	-4.6	56	28.7	107	-49	12.3	-21.7	-7.4	18.6	0	19	1.40	0.30	0.31	
CR 260067													65	47	33	53	43	43	36	27	5	29	34	22	41	28	28	10	9	8	
CR 260068		PD 200263		89	110	101	86	101	94				90	97	113	110	101	103	108	107		97	94	100	108	115	115				
6020830854		CR 220055		61	55	41	23	30	40				1.13	0.06	22	17.8	-1.2	50	25.4	96		9.3	-2.7	-4.1	19.5	10	28				
CR 260068													66	45	23	55	41	40	47	30		35	33	17	39	35	34				
CR 260069		ROCK210124		80	104	114	91	101	96			95	78	111	106	104	114	112	102	96	94	99	92	107	103	105	101	94	88	87	
6020830862		CR 200082		59	54	43	24	31	40			6	2.15	-0.49	14	14.6	2.7	70	20.6	59	-32	10.7	-1.1	-5.4	16.7	4	14	0.29	-0.57	-0.43	
CR 260069													65	40	24	54	43	40	42	25	5	28	35	17	40	27	26	6	5	5	
CR 260070	1	BOS 199366		93	100	107	103	106	105	102	101	99	94	100	95	100	107	107	103	103	100	113	101	96	117	107	103	103	103	87	73
6020830870		CR 220209		59	51	44	26	34	40	25	37	12	0.85	-0.04	1	12.3	0.4	57	21.1	85	-39	18.4	-8.3	-3.2	25.4	6	16	1.15	-0.65	-1.21	
CR 260070													63	47	26	51	44	40	46	39	8	42	37	24	42	43	42	13	11	11	
CR 260072		BOS 199366		82	103	112	110	95	100	95	95	94	80	112	91	103	112	116	103	97	91	118	98	83	109	103	101	95	87	85	
6020830896		CR 190071		65	59	53	36	41	47	26	43	12	2.03	-0.52	-3	13.7	1.9	79	21.5	60	-29	21.4	-5.6	-0.6	20.2	3	14	0.40	-0.67	-0.54	
CR 260072													68	54	36	59	53	49	54	42	8	46	46	29	47	46	45	13	12	11	
CR 260073	2	BOS 199366		83	99	111	112	94	98	99	94	96	83	106	89	99	111	112	100	100	91	103	87	89	109	112	109	99	85	84	
6020830904		CR 230071		62	56	45	27	37	42	25	39	12	1.76	-0.30	-5	11.5	1.6	69	19.0	74	-29	12.6	2.6	-1.9	20.7	8	22	0.73	-0.77	-0.61	
CR 260073													66	49	27	56	45	43	52	39	8	43	44	24	44	43	42	13	12	11	

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	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																															
CR 260077	CR 230092	CR 140072	85	112	116	79	104	101				111	87	98	123	112	116	113	113	112		114	102	101	107	126	122	109	85	82	
6020830946			59	46	47	21	26	37				6	1.38	0.03	33	19.3	3.1	74	28.7	114		19.3	-8.7	-4.3	19.4	16	34	1.75	-0.75	-0.75	
CR 260077													63	45	21	46	47	38	37	24		31	26	15	37	28	27	6	5	5	
CR 260080	CR 230106	CR 190093	72	120	128	84	105	112	110	109	108		58	99	114	120	128	134	119	111		138	103	100	110	131	124	108	88	89	
6020830979			58	48	45	32	32	40	20	36	7		3.83	-0.03	24	23.5	6.5	122	33.5	112		32.8	-10.1	-4.0	20.9	19	36	1.67	-0.57	-0.31	
CR 260080													62	44	32	48	45	42	44	33		37	37	22	38	37	36	7	7	6	

Breeding Values and Accuracies: Cows

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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				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	
CR 130006 84514843 CR130006				129 70	93 70	110 83	110 39	114 42	129 57				125 -1.78 70	136 -1.48 71	91 -3 39	93 8.3 70	110 1.4 83	104 51 64	96 15.7 62	94 50 42		97 9.3 49	106 -12.2 46	103 -4.7 22	123 29.3 58	72 -15 50	88 2 48				
CR 140072 85498053 CR140072				87 66	96 65	151 80	73 29	100 34	103 51				93 0.92 65	85 0.54 69	128 39 29	96 9.9 65	151 12.9 80	121 93 58	96 15.7 44	104 85 37		118 21.6 51	100 -7.5 31	96 -3.2 16	106 18.2 54	130 19 46	123 35 43				
CR 140080 85498137 CR140080				113 67	89 67	114 82	95 29	106 40	105 53				110 -0.51 66	104 -0.22 71	103 10 29	89 5.9 67	114 2.6 82	98 36 59	88 9.8 51	87 24 20		97 9.6 24	93 -2.2 43	101 -4.2 22	119 26.4 55	105 4 25	92 5 24				
CR 150116 87919395 CR150116				100 64	96 64	104 79	102 34	98 38	96 52				100 0.31 63	98 0.04 69	96 3 34	96 9.6 64	104 -0.4 79	98 38 59	95 15.3 52	88 28 33		100 10.9 41	92 -1.4 43	90 -2.1 18	114 23.2 52	102 2 42	91 5 39				
CR 160049 84518612 CR160049	VOVA130038 CR 120008			81 64	108 70	114 76	81 42	95 49	89 56	82 28	82 50	92 8	90 1.15 63	77 0.86 68	119 29 42	108 16.6 70	114 2.6 76	109 64 63	104 22.2 62	93 45 46		99 10.4 55	98 -6.2 56	95 -3.0 32	98 13.4 60	118 12 51	109 22 48	88 -0.29 8	90 -0.49 7	75 -1.11 7	
CR 160053 84518653 CR160053	VOVA130038 CR 110045			68 65	108 73	125 79	66 43	98 49	82 58	86 20	76 50	95 8	82 1.81 64	65 1.33 68	142 55 43	108 16.6 73	125 5.7 79	108 60 65	104 22.1 66	98 66 33		90 5.6 38	79 9.2 54	107 -5.4 32	107 19.2 62	115 10 31	103 16 29	93 0.13 8	89 -0.55 7	76 -1.09 7	
CR 160112 87919908 CR160112				87 58	93 59	138 76	85 25	97 30	97 46				94 0.81 57	81 0.71 63	112 21 25	93 7.8 59	138 9.3 76	116 79 53	92 12.7 46	92 44 28		111 17.4 35	87 2.5 32	91 -2.2 9	114 23.8 49	114 9 36	109 22 33				
CR 170028 86417698 CR170028	CR 140076			98 60	89 67	118 75	103 21	93 43	94 50				100 0.36 59	95 0.16 64	95 1 21	89 5.8 67	118 3.6 75	104 51 54	87 9.3 44	86 23 14		91 6.0 18	93 -2.1 49	95 -3.1 28	96 12.4 51	106 5 18	92 6 17				
CR 170032 86417805 CR170032	CR 140080			106 63	92 68	121 74	98 15	93 42	100 50				103 0.09 62	105 -0.26 66	99 6 15	92 7.5 68	121 4.4 74	108 60 52	91 11.9 46	88 29 29		105 14.2 36	86 3.6 47	101 -4.3 28	97 12.7 51	105 4 38	94 8 35				
CR 170058 86495975 CR170058	WO 140164 CR 130034			88 64	123 71	110 76	72 34	114 49	111 55	122 32	111 50	119 10	90 1.20 63	97 0.05 67	134 46 34	123 25.4 71	110 1.3 76	114 75 60	124 37.4 64	115 128 47	104 -44 9		121 22.9 57	122 -24.7 55	106 -5.3 33	108 19.5 60	116 11 56	121 34 53	115 2.32 10	96 -0.14 9	99 0.25 9
CR 170068 86496023 CR170068	WO 140164 CR 130033			102 69	111 72	88 77	83 32	115 51	102 56	114 23	101 49	105 10	102 0.14 69	96 0.10 71	119 29 32	111 18.7 72	88 -4.8 77	93 25 60	115 30.8 65	110 110 34	107 -47 9		109 16.5 43	102 -9.4 56	124 -8.9 35	108 19.5 61	109 7 38	104 17 37	103 1.16 10	89 -0.55 9	81 -0.79 9
CR 170137 89502066 CR17137				100 59	83 54	116 72							105 -0.04 58	86 0.51 63		83 2.1 54	116 3.2 72	95 30 43	82 5.4 38					107 19.0 48							

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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																															
CR 170142 89502116 CR17142			120 61	83 53	111 70	102 32	95 29	97 46				115 -0.88 60	108 -0.38 66	96 2 32	83 2.3 53	111 1.6 70	91 20 52		82 5.4 34				87 3.0 32	89 -1.9 6	113 22.9 48						
CR 170144 89502132 CR17144			89 59	90 54	127 71							97 0.57 58	78 0.83 64		90 6.2 54	127 6.1 71	109 63 43		89 10.6 34	83 12 45			82 0.8 54	95 -3.6 23	110 21.1 47	79 -11 56	81 -5 52				
CR 180011 88072095 CR180011	WO 140608 CR 150115		123 66	84 71	104 75	115 49	95 50	103 58	70 20	92 50	69 8	116 -0.98 65	113 -0.58 69	87 -7 49	84 3.0 71	104 -0.4 75	90 17 65		85 7.1 65	75 -19 29	79 -16 8	81 0.1 41	88 2.0 58	98 -3.6 33	104 17.0 60	81 -9 35	74 -11 33	68 -2.28 9	91 -0.44 8	69 -1.48 8	
CR 180015 88072178 CR180015	CR 150008 CR 150014		102 61	121 70	102 74	84 49	107 49	114 56	92 26	107 50	111 7	96 0.65 60	122 -0.91 64	117 26 49	121 24.2 70	102 -0.9 74	114 74 64		122 36.0 62	110 108 45			102 12.4 51	88 2.3 57	113 -6.6 33	115 24.0 56	115 10 49	117 30 47	110 1.84 7	98 -0.01 7	104 0.52 7
CR 180041 87950390 CR180041	WO 140608 CR 150118		122 61	85 68	100 72	127 49	103 47	115 55	81 24	105 49	77 8	114 -0.79 61	119 -0.81 62	72 -24 49	85 3.6 68	100 -1.3 72	95 30 63		85 7.2 60	85 17 34	87 -25 8	95 8.1 45	101 -8.0 52	105 -5.2 32	101 15.6 58	96 -1 42	86 0 39	76 -1.49 9	90 -0.46 8	71 -1.36 8	
CR 180044 87950424 CR180044	CR 150008 CR 150119		112 62	108 70	88 72	95 48	105 46	105 55	94 27	99 49	97 7	110 -0.46 62	103 -0.16 61	104 12 48	108 16.8 70	88 -4.7 72	95 31 63		112 28.6 60	98 65 46		112 17.7 52	97 -5.2 51	107 -5.6 31	107 19.3 55	102 3 50	110 22 48	100 0.84 7	95 -0.18 7	88 -0.36 7	
CR 180051 87876553 CR180051	SCH 140256 CR 140072		62 70	133 74	155 76	60 58	109 51	124 61	137 34	125 56	141 8	55 4.05 70	70 1.11 69	149 63 58	133 31.4 74	155 14.1 76	148 155 69		131 43.3 62	140 216 59		153 41.2 66	99 -6.5 55	116 -7.2 36	107 19.2 62	156 34 66	153 63 64	139 4.67 9	94 -0.26 8	101 0.36 8	
CR 180075 87876801 CR180075	SCH 140256 CR 110037		73 65	102 72	111 76	100 59	104 52	96 60	87 25	89 53	90 8	83 1.75 65	76 0.88 67	97 4 59	102 13.1 72	111 1.7 76	111 67 69		102 20.5 61	95 53 45		103 12.5 50	92 -1.0 57	113 -6.7 36	104 17.5 62	108 6 47	99 13 46	91 -0.04 9	86 -0.72 8	75 -1.10 8	
CR 190016 89664692 CR190016	SCH 150018 CR 160040		112 66	111 71	105 74	73 61	133 53	125 60	96 29	118 54	102 7	117 -1.10 66	80 0.75 68	132 43 61	111 18.3 71	105 0.0 74	100 42 69		116 31.1 64	106 95 50	108 -48 6	94 7.6 53	125 -27.4 61	142 -12.5 39	111 21.4 58	100 1 53	105 18 52	100 0.89 7	103 0.30 7	90 -0.30 7	
CR 190024 89664775 CR190024	SCH 150018 CR 160129		124 63	108 70	81 73	89 60	124 50	118 58	97 28	112 52	98 8	127 -1.88 63	84 0.59 65	111 20 60	108 16.9 70	81 -6.7 73	87 12 68		112 28.5 63	100 70 48	96 -35 6	85 2.4 50	109 -14.9 57	136 -11.3 36	113 22.7 58	91 -4 51	99 13 50	99 0.76 8	97 -0.09 7	76 -1.06 7	
CR 190025 89664783 CR190025	SCH 150018 CR 160011		135 66	106 70	91 71	112 61	124 52	140 59	99 28	133 53	104 8	134 -2.49 66	109 -0.42 68	91 -4 61	106 15.8 70	91 -4.0 71	102 46 67		110 27.0 64	106 94 47	102 -41 6	93 7.0 49	120 -23.3 60	141 -12.3 38	102 15.8 59	89 -5 49	104 17 48	103 1.13 8	106 0.45 7	93 -0.10 7	
CR 190060 89665087 CR190060	SCH 140256 CR 110033		73 70	106 71	114 74	88 58	104 52	94 60	86 32	87 54	97 8	83 1.71 71	76 0.90 67	110 19 58	106 15.5 71	114 2.5 74	111 68 68		105 23.1 61	100 71 56		110 17.0 61	96 -4.2 58	107 -5.5 36	106 18.3 61	114 9 61	106 19 59	96 0.49 9	89 -0.56 8	79 -0.92 8	

Breeding Values and Accuracies: Cows

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ID Number Name																															
CR 190066 89665145 CR190066		CR 160021 CR 150109	114 71	93 70	114 72	109 49	110 50	119 58	81 26	109 52	84 6	113 -0.72 72	99 -0.01 68	92 -2 49	93 7.8 70	114 2.5 72	106 56 64	93 13.4 62	85 16 48			118 21.5 53	120 -22.9 60	104 -4.8 34	102 16.3 56	90 -4 53	90 4 52	85 -0.63 6	85 -0.79 6		
CR 190071 89665186 CR190071		CR 160021 CR 150115	106 72	102 71	106 74	94 49	100 51	103 59	83 26	95 52	88 6	104 -0.02 73	103 -0.19 70	103 11 49	102 13.3 71	106 0.2 74	104 51 65	101 20.2 63	87 26 47			108 15.7 51	104 -10.6 60	88 -1.6 35	109 20.6 57	88 -6 51	91 4 49	89 -0.27 6	85 -0.78 5		
CR 190079 89665251 CR190079		CR 160021 CR 150116	98 71	110 72	96 74	103 49	95 49	101 58	101 30	97 52	100 6	94 0.81 72	112 -0.54 67	96 2 49	110 17.9 72	96 -2.7 74	107 59 65	110 26.5 64	99 69 54			135 30.9 60	98 -6.2 59	81 -0.3 31	110 21.1 57	94 -2 61	99 13 59	100 0.88 6	92 -0.34 5		
CR 190088 89665343 CR190088		CR 160021 CR 150021	101 71	99 72	97 74	122 52	101 51	110 59	83 23	101 52	85 6	103 0.11 72	93 0.22 67	80 -16 52	99 11.7 72	97 -2.2 74	105 54 66	98 17.8 61	87 24 43			115 19.5 45	110 -15.3 61	93 -2.7 35	102 15.9 57	90 -5 45	91 4 44	85 -0.62 6	89 -0.56 6		
CR 190093 89665392 CR190093		CR 160021 CR 150085	97 69	100 69	113 71	90 48	108 49	104 57	91 27	98 51	87 6	101 0.25 70	88 0.43 66	108 16 48	100 12.2 69	113 2.2 71	105 55 63	100 19.3 62	90 37 49			127 26.5 53	115 -19.0 59	100 -4.0 33	106 18.8 56	109 6 53	103 16 52	88 -0.33 6	84 -0.84 6		
CR 190101 89665467 CR190101		CR 160021 CR 150006	112 71	111 73	116 74	83 44	117 51	125 58	105 32	120 53	110 9	106 -0.17 72	113 -0.57 68	116 26 44	111 18.3 73	116 3.1 74	115 76 64	111 27.4 64	107 97 57			142 35.3 63	114 -18.6 60	117 -7.4 37	111 21.4 57	115 10 64	116 28 61	111 1.96 9	97 -0.06 9	109 0.80 8	
CR 190115 89665574 CR190115		CR 160021 CR 150014	106 70	107 71	113 73	96 43	101 52	113 57	89 24	105 50	99 6	103 0.10 71	106 -0.29 66	101 9 43	107 16.2 71	113 2.4 73	116 81 62	107 24.2 64	98 64 44			121 22.8 48	104 -11.0 62	89 -1.8 36	110 21.2 57	102 2 47	103 16 46	96 0.49 6	92 -0.37 6		
CR 190120 89665624 CR190120		SCH 140256 CR 140080	69 70	110 71	116 72	86 49	98 50	92 58	95 26	87 52	104 8	78 2.12 71	81 0.69 67	112 21 49	110 18.0 71	116 3.2 72	116 81 64	109 26.3 60	106 93 46			113 18.7 48	79 8.9 57	105 -5.0 32	109 20.3 60	120 13 48	111 24 48	103 1.12 9	88 -0.57 8	80 -0.83 8	
CR 190125 89665665 CR190125		SCH 150018 CR 140078	126 71	106 70	96 74	98 52	133 51	136 59	99 30	129 53	104 8	129 -2.05 72	81 0.68 68	101 8 52	106 15.5 70	96 -2.5 74	101 44 65	111 27.3 60	107 97 51	107 -46 6			88 4.3 54	126 -27.7 58	143 -12.6 36	109 20.6 58	97 -1 55	106 19 54	104 1.28 8	98 -0.03 7	78 -0.97 7
CR 190161 93326668 19 161		BOS 100114	109 59	98 58	109 68	81 32	117 40	108 48	88 28	100 44	92 14	109 -0.39 59	98 0.03 59	121 31 32	98 10.9 58	109 1.3 68	95 31 53	100 19.0 48	95 55 44	94 -32 6			104 13.2 49	111 -15.9 40	107 -5.5 26	121 28.0 53	124 15 49	108 21 47	99 0.79 15	78 -1.16 14	72 -1.31 13
CR 190163 93326635 19 163			100 49	89 47	118 64							103 0.11 48	90 0.36 53		89 5.8 47	118 3.7 64		88 9.9 35	87 25 28			86 3.2 34	80 8.3 23		110 20.8 33	102 3 36	87 1 33				
CR 200010 91048033 CR200010		CR 160021 CR 170080	96 70	102 72	99 71	118 49	106 51	112 58	80 30	103 52	88 7	101 0.26 71	84 0.57 65	84 -11 49	102 13.4 72	99 -1.6 71	108 61 64	102 20.4 63	86 22 51			114 18.8 57	105 -11.3 61	102 -4.5 35	108 19.8 57	82 -9 57	88 2 55	88 -0.30 7	95 -0.20 7	90 -0.28 5	

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ID Number Name																														
CR 200012 91048058 CR200012		CR 170085 CR 170017	87 66	126 66	119 63	80 35	103 43	115 51	120 22	114 45	128 5	89 1.27 68	99 -0.02 59	120 30 35	126 27.0 66	119 3.8 63	129 111 55	125 38.7 60	127 170 36		126 25.8 42	94 -2.6 54	105 -5.0 25	108 19.7 51	122 14 40	125 37 39	123 3.09 5	95 -0.18 5		
CR 200020 91048132 CR200020		CR 160021 CR 170062	112 70	116 71	88 70	89 51	111 52	112 58	108 26	109 52	107 7	109 -0.39 71	106 -0.29 66	110 19 51	116 21.2 71	88 -4.8 70	100 43 64	117 31.9 64	108 102 46		133 29.8 50	118 -21.3 61	109 -5.8 36	102 15.9 58	103 3 48	107 20 48	107 1.56 7	92 -0.33 7	96 0.05 6	
CR 200024 91048173 CR200024		CR 160021 CR 170028	93 71	105 71	127 71	97 46	100 50	113 57	94 24	106 50	101 6	94 0.80 72	97 0.06 67	100 7 46	105 15.1 71	127 6.2 71	127 105 63	104 21.9 62	101 77 43		127 26.3 46	104 -10.9 61	91 -2.2 32	106 18.5 56	107 6 46	107 20 45	99 0.72 6	92 -0.38 5		
CR 200040 91047142 CR200040		ENB 160138 CR 170055	69 66	121 66	133 66	79 51	84 47	95 55	102 21	92 48	113 18	70 2.84 67	90 0.34 61	122 32 51	121 24.4 66	133 7.8 66	135 125 61	120 34.2 61	113 119 24	119 -60 16		118 21.4 26	66 18.8 54	80 0.0 33	113 23.0 53	128 17 26	123 35 26	110 1.81 18	94 -0.24 17	83 -0.68 16
CR 200077 91047399 CR200077		OKT 160004 CR 150109	100 69	85 68	110 69	109 53	105 47	100 57	78 26	91 51	77 6	98 0.51 70	106 -0.29 65	92 -2 53	85 3.4 68	110 1.3 69	94 27 63	86 8.4 61	80 1 41	76 -13 7		91 5.7 44	92 -1.0 57	122 -8.5 31	98 13.3 54	92 -3 45	86 0 44	79 -1.24 6	81 -1.02 6	71 -1.33 5
CR 200082 91047449 CR200082		OKT 160004 CR 120047	97 69	92 69	125 67	98 44	97 47	101 55	80 28	93 50	84 6	94 0.83 70	109 -0.40 65	98 5 44	92 7.3 69	125 5.7 67	112 69 60	93 13.5 64	85 19 45	87 -25 7		89 4.7 51	81 7.6 59	108 -5.7 25	103 16.8 56	99 1 50	91 4 49	84 -0.70 6	83 -0.87 6	75 -1.11 5
CR 200089 91047506 CR200089		BOS 100114 CR 160040	107 65	104 69	114 69	85 53	117 49	116 56	89 26	109 50	95 14	107 -0.22 67	97 0.05 60	114 23 53	104 14.3 69	114 2.5 69	107 59 64	104 22.5 62	97 60 41	93 -32 6		95 8.5 46	113 -17.5 57	118 -7.6 36	110 20.8 54	116 11 45	106 20 44	96 0.41 15	91 -0.41 14	107 0.68 13
CR 200103 91107045 CR200103		SCH 150018 CR 130006	132 72	112 71	102 73	79 61	130 51	135 61	107 30	130 55	112 7	134 -2.49 73	102 -0.13 68	123 33 61	112 18.9 71	102 -0.8 73	103 48 68	118 33.3 63	112 115 51	105 -44 6		98 9.8 53	110 -15.4 60	141 -12.3 35	119 26.8 58	87 -6 54	107 20 53	112 2.03 7	105 0.38 7	87 -0.46 7
CR 200127 91047704 CR200127		BOS 100114 CR 160139	88 66	116 68	106 69	70 54	110 48	100 56	100 28	95 50	107 14	89 1.23 68	100 -0.06 61	137 49 54	116 21.3 68	106 0.3 69	104 51 64	115 30.9 60	111 113 46	108 -48 6		101 11.7 51	90 0.0 56	114 -6.8 34	117 25.4 54	127 17 52	119 32 49	111 1.89 15	92 -0.35 14	105 0.55 13
CR 200200 93326676 20 200			100 43	87 42	120 59							103 0.05 42	89 0.39 47		87 4.7 42	120 4.1 59	102 47 35	87 8.6 24					110 21.3 31							
CR 200215 93326825 20 215			104 48	88 41	113 58							106 -0.14 47	92 0.27 52		88 5.0 41	113 2.2 58		87 8.8 28	77 -10 27					112 22.4 30	82 -9 35	87 1 33				
CR 210001 92685973 CR210001		CR 180069 CR 180003	104 66	104 67	117 63	118 50	121 45	140 54	95 24	132 48		105 -0.05 68	97 0.05 60	82 -13 50	104 14.5 67	117 3.4 63	128 107 60	107 24.3 62	101 75 41		87 3.8 47	116 -19.7 56	113 -6.7 29	121 27.5 51	87 -6 47	97 10 46				

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ID Number Name																														
CR 210005		CR 180069	87	127	127	78	107	122	125	122		85	109	123	127	127	135		133	128		113	98	97	121	108	119	123		
92686013		CR 180104	64	67	64	51	43	54	24	48		1.55	-0.41	34	27.7	6.0	125		44.2	174		18.7	-5.6	-3.4	27.9	6	31	3.07		
CR210005												66	57	51	67	64	61		60	39		45	54	25	50	45	43	5		
CR 210011		CR 180069	99	120	134	99	103	136	115	133		95	112	97	120	134	150		124	123		113	93	96	117	108	125			
92686070		CR 180038	62	66	62	49	42	52	24	46		0.78	-0.54	4	24.0	8.0	161		37.9	156		18.3	-2.1	-3.3	25.6	6	37			
CR210011												64	54	49	66	62	59		52	41		47	54	23	49	47	45			
CR 210017		OKT 160004	76	104	125	89	115	109	93	103	98	79	98	108	104	125	119		104	100	95	106	89	138	105	108	105	99	89	88
92686138		CR 180072	68	71	67	57	49	58	29	52	8	2.11	0.01	16	14.6	5.5	87		22.4	71	-34	14.4	1.0	-11.7	18.0	6	18	0.72	-0.56	-0.38
CR210017												70	62	57	71	67	65		65	48	7	51	61	30	56	52	51	8	7	7
CR 210028		OKT 160004	86	93	107	114	108	104	85	97	85	90	91	87	93	107	103		95	88	82	97	86	130	102	97	93	87	86	83
92686245		CR 180075	70	70	67	57	50	58	28	52	8	1.13	0.29	-7	8.3	0.5	48		15.1	30	-19	9.3	3.6	-10.1	15.8	0	7	-0.38	-0.69	-0.64
CR210028												71	65	57	70	67	65		64	47	7	50	60	32	57	50	49	8	7	7
CR 210036		CR 180069	87	109	125	102	101	116	103	111		91	91	95	109	125	132		112	109		103	89	98	114	92	105			
92686328		CR 180102	63	67	63	52	43	53	24	47		1.09	0.31	1	17.4	5.6	117		28.1	104		12.8	0.8	-3.6	23.7	-3	18			
CR210036												65	56	52	67	63	61		58	42		47	54	24	50	47	46			
CR 210051		SCH 150018	126	99	98	88	121	118	93	111	94	133	83	112	99	98	91		104	99	98	88	105	129	114	94	99	95	97	75
92686476		CR 170142	69	67	67	59	48	57	26	51	7	-2.39	0.63	20	11.8	-2.1	21		22.4	69	-37	4.3	-11.7	-9.9	23.6	-2	12	0.39	-0.09	-1.14
CR210051												70	65	59	67	67	64		60	46	6	47	58	31	55	47	47	7	7	7
CR 210058		BOS 100114	119	99	108	82	116	113	89	105	90	114	108	119	99	108	96		101	90	80	86	109	114	115	107	100	94	84	93
92686542		CR 160129	65	66	64	52	47	54	24	48	14	-0.85	-0.37	28	11.6	0.9	33		20.1	36	-18	3.3	-14.2	-6.8	23.9	5	14	0.26	-0.80	-0.09
CR210058												67	60	52	66	64	61		60	39	6	43	54	34	54	43	41	15	14	13
CR 210064		BOS 100114	103	105	112	80	96	95	97	91	102	101	104	122	105	112	103		105	103	95	108	83	94	113	125	121	105	88	98
92686609		CR 160112	65	67	66	52	46	55	24	49	14	0.25	-0.20	32	14.9	1.9	50		22.8	84	-34	15.5	6.1	-2.8	22.8	16	33	1.30	-0.62	0.17
CR210064												67	58	52	67	66	62		58	39	6	43	54	31	54	43	41	15	14	13
CR 210068		OKT 160004	99	87	115	119	91	100	72	89	75	96	108	82	87	115	105		87	81	80	111	76	102	100	95	87	75	87	83
92686641		CR 150011	66	69	66	53	47	56	31	51	6	0.66	-0.37	-14	4.6	2.7	55		9.2	2	-17	17.5	10.9	-4.4	14.7	-2	1	-1.58	-0.66	-0.68
CR210068												68	59	53	69	66	63		62	50	7	56	60	27	54	56	55	6	6	5
CR 210082		OKT 160004	93	101	121	99	94	103	87	96	95	89	115	98	101	121	118		101	98	99	109	71	116	97	113	106	92	90	90
92686781		CR 140016	67	71	68	53	47	57	26	51	6	1.27	-0.66	5	12.7	4.4	84		19.9	65	-38	16.4	15.4	-7.4	13.0	9	19	0.11	-0.46	-0.25
CR210082												69	62	53	71	68	64		64	43	7	47	61	27	54	46	45	6	6	5
CR 210084		OKT 160004	92	96	128	115	78	99	90	93	91	88	113	86	96	128	125		98	92	82	107	45	94	106	90	93	94	85	86
93097228		CR 130036	69	71	68	54	48	57	29	51	6	1.31	-0.55	-9	9.7	6.4	102		17.3	43	-20	14.9	35.6	-2.8	18.7	-4	7	0.30	-0.77	-0.51
CR210084												71	62	54	71	68	64		66	48	7	52	60	27	57	52	51	7	6	5
CR 210087		OKT 160004	95	93	113	99	106	101	87	94	84	96	96	98	93	113	103		94	87	80	97	88	118	105	96	91	85	83	78
92686823		CR 150116	68	69	67	53	46	56	28	50	6	0.66	0.08	5	8.3	2.3	49		14.3	26	-17	9.7	2.1	-7.8	18.2	-1	5	-0.59	-0.86	-0.96
CR210087												70	62	53	69	67	63		64	44	7	48	58	25	54	49	47	6	6	5

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ID Number Name																													
CR 210093 92686880 CR210093		SCH 150018 CR 170020	131 67	105 68	85 65	83 59	120 50	114 57	92 26	107 51	95 7	128 -1.99 68	100 -0.04 62	119 29 59	105 14.9 68	85 -5.6 65	84 5 64	109 26.4 62	99 68 46	98 -37 6	87 4.0 47	102 -9.1 61	146 -13.4 33	103 16.8 56	92 -3 47	99 12 47	94 0.29 7	102 0.21 7	87 -0.45 7
CR 210098 92686930 CR210098		BOS 100114 CR 160137	124 64	94 66	98 65	92 52	94 46	95 54	83 24	87 48	87 14	117 -1.07 66	114 -0.60 57	107 15 52	94 8.5 66	98 -1.9 65	88 13 61	95 15.3 58	88 29 39	84 -22 6	83 1.5 43	86 3.4 54	88 -1.7 31	111 21.7 54	100 1 43	92 6 41	91 0.00 15	85 -0.78 14	92 -0.16 13
CR 210100 92686955 CR210100	2	SCH 150018 CR 170087	112 69	118 71	102 69	71 62	121 54	119 60	109 38	115 56	112 18	113 -0.76 70	91 0.31 64	137 49 62	118 22.4 71	102 -0.7 69	103 49 67	124 37.8 65	115 127 56	107 -47 17	111 17.4 59	108 -13.3 63	133 -10.6 40	108 19.6 58	113 9 59	120 32 58	115 2.36 19	109 0.62 18	87 -0.43 18
CR 210108 92687045 CR210108		CR 180009 CR 160119	117 57	79 59	107 50	103 27	99 31	95 42				116 -1.02 59	97 0.07 48	95 1 27	79 0.0 59	107 0.6 50	83 3 45	82 5.0 52	80 1 32		87 3.8 39	107 -12.6 47		105 17.7 41	111 8 40	82 -3 37			
CR 210126 92687227 CR210126	2	SCH 150018 CR 170055	105 68	126 70	98 68	75 62	103 53	109 59	112 36	106 54	120 18	110 -0.50 69	81 0.71 63	130 41 62	126 27.0 70	98 -2.1 68	110 65 67	131 42.7 64	120 147 52	115 -55 17	109 16.4 54	85 4.6 61	106 -5.4 40	115 23.8 59	111 8 54	123 35 53	122 3.02 19	110 0.70 18	90 -0.28 18
CR 210128 92687243 CR210128		SCH 150018 CR 170008	109 68	126 70	103 68	66 60	130 50	129 58	105 29	124 52	120 8	111 -0.60 69	88 0.42 63	143 57 60	126 27.4 70	103 -0.6 68	108 62 66	128 40.5 65	123 154 50	122 -63 6	112 18.1 54	116 -19.8 59	147 -13.6 35	110 20.9 57	122 14 52	128 40 51	118 2.63 9	114 0.94 8	103 0.44 8
CR 210150 95255006 21 150			109 43	83 34	105 50							110 -0.51 42	93 0.24 47		83 2.1 34	105 -0.1 50		82 5.0 12						102 15.9 29					
CR 210152 95255022 21 152			92 43	88 35	121 51							100 0.36 42	77 0.84 47		88 5.0 35	121 4.6 51		87 9.1 12	84 14 27		89 5.0 34			102 15.9 29	96 -1 35	84 -2 33			
CR 210153 95255030 21 153			108 43	84 35	113 51							109 -0.39 42	95 0.14 46		84 2.8 35	113 2.1 51								98 13.8 29					
CR 210154 95255048 21 154			101 43	87 34	119 50							104 -0.01 42	90 0.34 47		87 4.3 34	119 4.0 50		86 8.1 12						102 15.8 29					
CR 210157 95255071 21 157			101 37	87 35	118 50							105 -0.04 36	89 0.36 40		87 4.7 35	118 3.8 50		86 8.5 23						103 16.9 29					
CR 210158 95255089 21 158			111 37	82 35	107 50							111 -0.58 36	96 0.10 40		82 1.9 35	107 0.6 50								100 15.1 29					

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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																														
CR 210161 95255113 21 161				95 27	88 25	123 38							100 0.30 26	83 0.60 29		88 5.4 25	123 5.1 38		88 9.5 12					100 15.0 22						
CR 210163 95255139 21 163				104 36	84 35	105 50							108 -0.29 35	86 0.49 39		84 2.6 35	105 0.1 50							101 15.7 29						
CR 210164 95255147 21 164				77 36	103 34	119 50							86 1.48 35	77 0.84 40		103 13.9 34	119 3.9 50	114 75 29	101 20.1 16	99 69 28		88 4.2 35		102 15.9 23	113 9 36	104 17 33				
CR 220009 94259751 CR220009	CR 180069 CR 190016			110 63	115 65	119 58	87 46	124 43	137 51	107 24	132 46		107 -0.26 65	106 -0.29 56	112 20 46	115 20.7 65	119 4.0 58	124 98 56	121 35.5 58	115 125 42		97 9.5 47	113 -17.5 54	121 -8.2 26	122 28.4 49	91 -4 48	108 21 46			
CR 220010 94259769 CR220010	CR 180069			118 49	96 45	118 47	97 24	111 27					112 -0.64 49	113 -0.56 47	99 6 24	96 10.1 45	118 3.7 47	110 66 39	100 19.2 37	103 84 34		97 9.2 39	99 -6.8 28	93 -2.7 11	132 34.4 41	95 -1 40	99 12 38			
CR 220011 94259777 CR220011	CR 180069 CR 190071			105 65	114 65	123 58	94 41	100 42	123 50				100 0.30 67	112 -0.54 57	102 10 41	114 20.4 65	123 5.2 58	132 117 55	116 31.8 58	111 113 42		109 16.4 46	89 1.4 54	88 -1.6 25	123 29.3 48	92 -3 47	108 21 45			
CR 220021 94259850 CR220021	CR 160021 CR 190115	25		102 69	114 69	108 63	94 43	97 49	110 54	96 26	104 48	104 6	106 -0.13 71	88 0.41 62	104 12 43	114 20.4 69	108 0.8 63	118 84 58	114 29.9 64	102 80 48		137 32.4 51	101 -8.0 61	83 -0.7 32	111 21.6 55	100 1 51	107 20 50	104 1.23 7	94 -0.24 6	
CR 220046 94260072 CR220046	V8 190372 CR 180152			114 65	89 64	107 57	93 36	122 40	113 49	90 20	105 43	91 6	115 -0.92 67	92 0.28 57	105 13 36	89 5.9 64	107 0.7 57	91 21 52	90 11.6 58	93 47 32		80 -0.4 36	125 -27.4 52	113 -6.6 20	116 24.8 48	105 4 36	108 21 35	94 0.31 7	82 -0.92 6	78 -0.97 6
CR 220055 94260148 CR220055	V8 190372 CR 160049			103 67	105 67	102 59	82 43	102 45	97 52	95 24	91 46	102 8	108 -0.36 69	82 0.67 59	119 28 43	105 14.9 67	102 -0.8 59	97 36 56	105 23.2 62	102 79 40		87 3.9 45	96 -4.2 56	99 -3.9 25	110 21.1 53	117 11 44	123 35 43	104 1.22 8	91 -0.41 7	91 -0.23 7
CR 220057 94260163 CR220057	V8 190372 CR 180039			126 65	102 66	93 57	103 43	118 43	124 51	101 23	118 45	104 8	121 -1.38 67	107 -0.32 57	96 2 43	102 13.3 66	93 -3.4 57	97 34 55	105 23.0 61	104 88 39		94 7.4 43	97 -5.3 55	130 -10.2 25	114 23.2 50	114 10 42	121 33 41	108 1.67 8	91 -0.41 7	97 0.11 7
CR 220066 94260254 CR220066	V8 190372 CR 180155			115 65	102 64	103 57	87 38	122 40	118 49	96 20	111 43	100 6	113 -0.74 67	101 -0.10 57	112 21 38	102 13.0 64	103 -0.5 57	98 36 53	101 20.0 58	101 77 32		87 3.6 36	107 -12.8 52	126 -9.3 20	117 25.6 48	114 10 36	118 30 35	102 1.08 7	84 -0.82 6	81 -0.78 6
CR 220073 94260320 CR220073	RLR 180027 CR 160112			101 65	100 65	103 58	91 39	105 41	99 50	95 26	94 45	95 18	102 0.20 67	97 0.08 57	107 15 39	100 12.1 65	103 -0.5 58	98 37 54	100 18.9 58	101 75 39	96 -34 8	122 23.5 43	98 -5.6 53	98 -3.7 23	115 24.3 48	105 4 44	107 20 42	95 0.35 19	89 -0.56 17	87 -0.42 17

Breeding Values and Accuracies: Cows

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Value <80 Value >120

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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																																
CR 220078 94260379 CR220078		CR 190004 CR 170022	102 60	100 64	109 55	100 30	109 34	111 46	82 24	102 42		96 0.69 63	120 -0.83 49	98 5 30	100 12.1 64	109 1.1 55	107 58 50		98 17.8 44	83 10 41		92 6.3 45	119 -22.1 38	105 -5.0 18	101 15.1 45		90 -4 46	90 3 45				
CR 220081 94260403 CR220081		WO 180938 CR 150006	79 67	129 69	110 61	67 45	113 47	109 54	109 32	106 50	118 14	67 3.05 69	118 -0.76 60	142 55 45	129 28.7 69	110 1.5 61	116 80 58		127 40.0 62	118 138 49	115 -55 10		134 30.3 53	103 -10.1 58	111 -6.3 31	117 25.1 52		124 15 53	123 35 52	120 2.81 15	101 0.16 14	108 0.74 14
CR 220083 94260429 CR220083		WO 180938 CR 140080	93 67	105 68	107 61	87 44	108 45	102 53	93 28	96 48	94 12	90 1.17 69	111 -0.48 60	112 21 44	105 15.2 68	107 0.5 61	104 52 58		105 23.0 60	98 65 43	103 -42 10		116 20.4 46	107 -13.1 56	94 -2.8 28	118 25.9 51		96 -1 46	94 7 45	96 0.43 13	86 -0.69 12	77 -1.03 12
CR 220086 94260452 CR220086		RLR 180027 CR 170142	108 65	96 64	90 57	111 29	95 39	96 48	90 24	89 43	88 18	107 -0.24 67	101 -0.08 57	91 -3 29	96 9.6 64	90 -4.1 57	89 16 50		95 15.3 55	95 53 36	92 -31 8		110 16.9 40	85 4.0 53	86 -1.3 18	115 24.1 47		98 0 40	95 9 39	89 -0.24 19	87 -0.64 17	85 -0.56 17
CR 220087 94260460 CR220087		WO 180938 CR 140069	88 65	107 64	100 53	90 32	102 42	94 48	97 30	90 44	93 12	89 1.21 67	100 -0.05 58	109 18 32	107 16.3 64	100 -1.3 53	102 47 50		107 24.3 58	100 71 48	102 -41 10		120 22.4 52	111 -16.3 54	92 -2.4 22	105 17.7 50		104 4 53	97 10 51	95 0.32 13	85 -0.75 12	76 -1.05 12
CR 220094 94260536 CR220094		WO 180938 CR 140016	97 67	106 68	114 61	89 44	95 46	99 53	93 28	93 48	99 12	93 0.90 69	112 -0.52 59	109 17 44	106 15.4 68	114 2.4 61	111 68 58		106 23.9 62	104 87 44	111 -51 10		125 25.3 48	91 -0.7 59	87 -1.4 29	110 21.0 51		106 5 47	102 15 46	98 0.65 13	94 -0.24 12	91 -0.20 12
CR 220095 94260544 CR220095		WO 180938 CR 150011	90 65	110 67	99 59	91 44	104 46	99 52	89 30	92 48	96 12	87 1.39 67	111 -0.47 57	108 16 44	110 17.9 67	99 -1.7 59	105 53 57		108 25.1 60	100 73 46	108 -48 10		126 25.9 50	104 -10.7 58	95 -3.0 29	111 21.5 50		100 1 51	97 10 49	95 0.37 13	93 -0.31 12	90 -0.30 12
CR 220103 94260627 CR220103		RLR 180027 CR 160134	96 61	101 64	109 56	103 37	92 38	99 48	99 24	94 43	100 18	97 0.57 64	97 0.08 51	95 2 37	101 12.9 64	109 1.2 56	110 65 52		100 19.0 56	106 94 36	105 -45 8		120 22.4 40	87 3.0 52	91 -2.3 17	105 17.6 46		110 7 40	108 21 39	99 0.78 19	89 -0.51 17	89 -0.31 17
CR 220113 94260742 CR220113		OKT 160004 CR 150021	96 66	87 69	110 63	119 47	94 45	98 54	76 25	89 48	75 6	94 0.80 68	105 -0.25 58	82 -13 47	87 4.7 69	110 1.5 63	102 46 60		88 9.4 63	79 -4 41	74 -11 7		87 3.9 44	76 11.4 60	110 -6.1 23	98 13.6 52		89 -5 44	84 -2 43	75 -1.56 6	85 -0.78 6	82 -0.70 5
CR 220123 94261021 CR220123		RLR 180027 CR 170124	115 62	87 63	95 57	117 37	96 32	99 47	82 24	91 42	78 18	111 -0.59 65	105 -0.27 53	86 -9 37	87 4.8 63	95 -2.9 57	86 9 52		88 9.6 41	84 15 36	80 -17 8		101 11.9 40	96 -4.0 33	86 -1.2 17	111 21.5 46		86 -7 40	83 -3 39	80 -1.16 19	85 -0.75 17	81 -0.79 17
CR 220140 94260882 CR220140		CR 190004 CR 160119	80 63	103 63	126 56	92 23	121 39	118 46	87 23	109 41		79 2.10 65	110 -0.46 54	105 13 23	103 13.9 63	126 6.0 56	121 91 47		101 19.7 58	88 30 40		104 13.4 45	122 -25.0 53	110 -6.0 19	119 26.8 46		108 6 46	103 16 44				
CR 220201 96749841 22201		CR 190094	82 44	99 39	116 45	91 20	108 24					91 1.08 44	78 0.81 44	106 14 20	99 11.3 39	116 3.1 45	107 59 35		98 17.4 28	94 50 32		92 6.7 37	98 -5.5 20	96 -3.2 13	124 29.8 39		113 9 37	98 11 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
ID Number Name																														
CR 220203 96749866 22203		CR 190023		112 44	105 40	107 44	85 21	121 26		100 20			116 -0.96 44	83 0.61 45	114 23 21	105 14.8 40	107 0.6 44	103 49 35	107 24.8 30	105 91 33		102 12.1 37	109 -14.5 24	115 -7.0 14	124 29.6 39	100 2 38	100 14 36			
CR 220206 96749890 22206		CR 180037		114 33	100 38	94 43	93 14	109 20					110 -0.49 33	107 -0.34 33	105 13 14	100 11.8 38	94 -3.2 43	91 20 32	102 20.3 27	93 48 30		96 9.1 35	98 -5.6 15	96 -3.3 10	125 30.4 35	110 7 36	101 14 34			
CR 220209 96749924 22209		CR 190023		116 44	103 40	98 44	89 21	122 26		96 20			119 -1.21 44	85 0.55 45	111 19 21	103 13.8 40	98 -1.9 44	96 32 35	106 23.3 27	101 74 33		98 9.9 37	111 -15.9 24	113 -6.7 14	126 30.9 41	95 -1 38	95 9 36			
CR 220210 96749932 22210		CR 190110		88 39	96 40	123 45	89 21	108 24					94 0.83 39	84 0.58 37	109 17 21	96 9.9 40	123 5.2 45	110 65 35	95 15.5 30	89 32 32		100 11.1 37	98 -6.0 22	96 -3.3 13	123 29.4 37	113 9 37	96 9 36			
CR 230004 96050166 CR230004	25	CR 160021 CR 190066		111 67	103 67	107 57	103 40	107 48	117 52	90 26	110 47	94 6	108 -0.33 69	103 -0.19 59	95 2 40	103 14.1 67	107 0.4 57	110 65 55	103 21.4 63	94 49 49		134 30.7 52	117 -21.0 61	100 -4.0 29	103 16.8 54	92 -3 52	98 11 51	96 0.47 7	90 -0.47 6	
CR 230006 96050182 CR230006		CR 200015 CR 200131		120 61	109 61	89 43	102 35	124 40	128 45	95 22	121 40	100 5	116 -1.03 64	105 -0.24 49	97 3 35	109 17.1 61	89 -4.5 43	100 42 46	109 25.9 58	105 89 39		108 15.8 43	124 -26.4 55	123 -8.7 20	111 21.6 46	93 -3 43	99 13 42	100 0.89 5	99 0.03 5	
CR 230009 96050190 CR230009		CR 200015 CR 190164		113 56	103 56	100 37	102 16	107 34	114 38				108 -0.33 59	111 -0.49 44	96 3 16	103 13.8 56	100 -1.3 37	104 51 36	102 20.8 52	97 62 34		105 14.2 39	111 -16.1 49	101 -4.4 12	106 18.8 41	91 -4 40	92 6 38			
CR 230010 96050208 CR230010		CR 200093 CR 200113		96 59	108 60	87 42	89 32	114 39	99 43	91 22	93 39	94 5	98 0.47 62	95 0.16 47	111 20 32	108 16.6 60	87 -5.0 42	92 22 45	106 24.0 56	96 56 37		112 18.0 43	115 -19.6 53	105 -5.1 18	113 22.7 45	89 -5 43	90 4 42	94 0.25 5	98 0.02 5	97 0.14 5
CR 230015 96050232 CR230015		V8 190372 CR 200024		108 65	106 66	103 50	91 36	112 43	113 49	103 23	108 44	110 7	106 -0.20 68	101 -0.11 55	107 16 36	106 15.8 66	103 -0.5 50	104 52 51	106 23.6 61	109 104 39		103 13.0 43	109 -14.5 57	110 -6.1 22	110 20.7 50	115 10 43	125 37 42	111 1.96 7	92 -0.33 7	102 0.42 6
CR 230022 96056528 CR230022		V8 190372 CR 200004		105 64	106 65	99 48	97 37	107 43	109 48	99 23	103 43	104 7	106 -0.13 67	97 0.06 53	101 9 37	106 15.8 65	99 -1.7 48	103 50 50	107 24.2 61	103 84 39		100 11.0 43	108 -14.0 57	105 -5.0 22	104 17.5 50	108 6 43	119 32 42	107 1.51 7	91 -0.42 7	100 0.28 6
CR 230057 96050588 CR230057	25	CR 160021 CR 190093		111 67	107 67	101 57	94 40	107 48	111 52	96 26	105 47	97 6	110 -0.50 69	99 -0.02 59	104 12 40	107 15.9 67	101 -1.2 57	104 52 55	107 24.7 63	98 64 49		140 33.9 52	115 -19.6 61	99 -3.8 29	105 17.7 53	102 3 52	106 19 51	98 0.70 7	90 -0.49 6	
CR 230061 96050604 CR230061		CR 200015 CR 200127		86 61	117 61	107 44	85 33	113 39	111 45	99 23	105 41	107 8	84 1.65 64	111 -0.47 49	115 24 33	117 22.1 61	107 0.5 44	115 77 46	116 31.5 58	111 112 38		116 20.4 44	105 -11.5 54	110 -6.0 21	115 23.9 43	111 8 44	111 23 42	108 1.64 8	97 -0.09 8	108 0.75 7

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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																															
CR 230066 96050653 CR230066		CR 200015 CR 190016	93 58	119 62	106 46	84 35	120 36	121 44	100 24	115 40	109 5	94 0.80 62	98 0.01 45	116 25 35	119 23.1 62	106 0.4 46	116 79 48	120 34.4 58	113 119 40			116 20.3 44	116 -19.6 41	123 -8.7 23	110 20.9 45	102 3 45	108 21 43	107 1.51 5	103 0.28 5		
CR 230071 96050695 CR230071		V8 190372 CR 190163	113 62	93 62	103 48	98 25	98 37	98 44	92 22	92 40	91 6	115 -0.87 65	91 0.32 52	100 7 25	93 8.1 62	103 -0.6 48	94 27 45	94 14.1 56	95 53 35			77 -1.9 40	83 5.8 52	100 -4.1 15	111 21.5 45	105 4 40	107 20 39	95 0.38 7	81 -0.99 6	77 -1.00 6	
CR 230076 96050745 CR230076		BOS 199366 CR 180154	91 64	88 64	104 52	120 23	100 40	98 46	86 23	91 41	79 12	90 1.14 66	105 -0.23 55	81 -14 23	88 5.3 64	104 -0.2 52	98 36 46	89 10.5 59	86 21 35	84 -21 8			102 12.0 38	105 -11.0 53	85 -1.1 22	113 22.9 46	101 2 38	90 3 37	81 -0.97 12	80 -1.08 11	68 -1.51 11
CR 230078 96050752 CR230078		BOS 199366 CR 180027	72 64	105 66	119 52	104 35	98 45	100 49	91 26	94 44	87 12	70 2.81 66	99 0.00 55	94 0 35	105 14.9 66	119 3.9 52	123 95 51	108 25.5 62	93 48 41	85 -23 8			112 18.1 45	88 1.6 57	96 -3.2 28	110 20.9 49	112 8 45	103 16 44	91 -0.06 13	88 -0.59 12	85 -0.56 12
CR 230080 96050778 CR230080		BOS 199366 CR 180152	77 64	96 64	114 52	112 25	100 41	99 46	92 23	93 41	88 12	79 2.11 66	102 -0.15 55	89 -5 25	96 9.8 64	114 2.5 52	111 69 47	95 15.5 60	93 48 35	93 -31 8			108 15.7 38	100 -7.4 54	87 -1.5 23	114 23.5 46	109 7 38	99 12 37	89 -0.25 12	81 -0.99 11	71 -1.33 11
CR 230086 96050836 CR230086		BOS 199366 CR 180015	77 65	113 67	108 53	99 36	94 45	97 50	100 26	93 45	106 12	75 2.40 67	125 -1.03 56	98 5 36	113 19.6 67	108 0.9 53	120 89 52	113 29.2 62	108 101 41	105 -45 8			115 19.7 46	75 11.8 58	92 -2.5 28	115 24.2 50	117 11 46	114 27 44	106 1.46 13	93 -0.28 12	97 0.15 12
CR 230090 96050877 CR230090		BOS 199209 CR 160049	96 61	104 67	95 54	100 31	109 45	104 48	92 20	97 42	92 9	94 0.87 64	108 -0.36 50	98 5 31	104 14.7 67	95 -2.8 54	100 42 51	104 22.5 62	97 62 31	94 -32 5			95 8.4 35	113 -17.9 57	101 -4.2 28	109 20.4 50	111 7 33	106 19 32	94 0.27 9	90 -0.49 9	95 0.02 8
CR 230101 96050984 CR230101	2	BOS 199366 CR 180011	88 66	97 67	109 54	117 35	94 45	101 50	90 24	94 45	86 12	84 1.67 68	117 -0.73 58	85 -10 35	97 10.4 67	109 1.2 54	111 67 52	98 17.2 63	92 44 38	90 -28 8			106 14.3 43	87 3.0 58	89 -1.8 28	110 21.0 50	102 3 42	95 8 41	87 -0.45 13	90 -0.48 12	80 -0.81 12
CR 230104 96051016 CR230104		BOS 199141 CR 170144	87 63	109 63	101 49	94 20	101 38	97 44	93 21	92 39	100 10	87 1.42 66	103 -0.17 51	104 12 20	109 17.6 63	101 -1.1 49	107 59 44	108 25.0 54	101 75 33	107 -46 6			92 6.7 37	104 -10.8 51	91 -2.2 20	109 20.3 44	101 2 37	103 16 36	99 0.72 10	83 -0.89 9	80 -0.82 9
CR 230105 96051024 CR230105		CR 160021 CR 190001	107 65	105 67	116 56	108 40	99 48	118 51	87 26	110 46	93 6	103 0.11 67	110 -0.44 58	93 -1 40	105 14.9 67	116 3.0 56	121 91 54	103 21.3 62	94 51 48			125 25.6 51	102 -9.0 62	93 -2.7 28	104 17.3 53	95 -2 51	97 11 50	94 0.28 6	95 -0.19 6		
CR 230108 96051057 CR230108		BOS 199366 CR 180003	70 66	113 68	111 54	107 37	109 46	111 51	95 26	105 46	96 12	62 3.53 69	93 0.23 57	93 0 37	113 19.6 68	111 1.6 54	125 101 53	112 28.7 64	100 73 41	96 -35 8			108 15.4 46	108 -13.4 59	102 -4.4 29	112 22.1 51	115 10 47	106 19 45	98 0.69 13	89 -0.54 12	95 0.01 11
CR 230109 96051065 CR230109		BOS 199366 CR 170128	96 64	88 64	114 52	118 23	100 40	105 46	89 24	98 42	82 12	95 0.75 66	104 -0.23 55	83 -13 23	88 5.1 64	114 2.6 52	106 55 46	89 10.4 58	90 35 38	86 -24 8			109 16.1 42	106 -12.5 53	86 -1.3 22	108 20.0 46	107 6 43	97 11 41	85 -0.67 12	80 -1.07 11	69 -1.47 11

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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																													
CR 230112 96051099 CR230112	1	BOS 199366 CR 170008	80 66	102 67	124 53	99 31	100 46	104 49	90 26	97 44	94 12	79 2.06 68	107 -0.35 57	97 4	102 13.3 67	124 5.4 53	122 94 50	101 20.1 62	100 74 40	100 -39 8	118 21.5 46	95 -3.6 58	90 -2.0 29	116 24.4 50	119 13 44	108 21 43	94 0.26 13	95 -0.18 12	92 -0.17 12
CR 230148 96051438 CR230148		BOS 199366 CR 160119	85 61	93 64	120 53	115 28	98 37	103 46	88 24	96 42	84 12	84 1.63 64	105 -0.25 50	87 -8 28	93 8.0 64	120 4.2 53	114 76 48	94 14.1 60	90 34 38	89 -27 8	110 16.9 42	92 -0.8 40	82 -0.5 23	120 27.5 47	110 7 42	98 11 41	85 -0.64 12	82 -0.94 11	71 -1.37 11
CR 230200 98746357 23 200		CR 200096	104 38	101 31	101 25	84 13	109 18					105 -0.07 39	96 0.11 35	116 26 13	101 12.4 31	101 -1.1 25	93 26 23	101 20.0 25	99 67 30		96 8.9 36	100 -7.3 16	92 -2.5 7	129 32.6 32	97 0 36	90 4 34			
CR 230203 98746399 23 203		CR 200135	105 38	100 31	105 25	83 13	110 19					106 -0.17 39	93 0.21 35	117 27 13	100 12.0 31	105 0.1 25	95 31 23	99 18.6 25	95 55 30		109 16.5 36	99 -6.7 17	93 -2.7 8	131 33.8 32	112 9 36	100 13 34			
CR 230204 98746340 23 204		CR 160021	106 52	97 48	106 44	99 32	107 37				85 6	108 -0.32 52	92 0.26 50	99 6 32	97 10.2 48	106 0.2 44	100 42 41	97 16.8 44	88 30 43		118 21.3 45	110 -15.4 42	90 -2.0 24	118 26.0 45	96 -1 45	91 5 44	91 -0.02 6	74 -1.43 5	
CR 230206 98746407 23 206		CR 200062	118 39	95 33	100 30	84 22	119 24		91 20			121 -1.38 39	85 0.55 38	117 26 22	95 9.4 33	100 -1.5 30	87 11 28	98 17.5 26	98 63 32		87 3.6 36	106 -12.4 22	111 -6.2 14	126 31.2 35	107 5 37	94 7 35			
CR 230214 98746431 23 214		CR 200138	124 39	95 32	99 28	87 21	117 23		97 20			124 -1.62 39	93 0.21 38	112 21 21	95 9.0 32	99 -1.7 28	87 11 27	98 17.4 26	98 67 32		95 8.2 37	107 -13.0 22	109 -5.8 14	123 28.8 34	108 6 37	101 14 36			
CR 230216 98746373 23 216		CR 200138	122 39	95 32	100 28	87 21	117 23		97 20			122 -1.50 39	91 0.31 37	112 21 21	95 9.4 32	100 -1.4 28	88 15 27	99 18.0 26	98 67 32		95 8.2 37	107 -13.0 22	109 -5.8 14	123 28.8 34	108 6 37	101 14 36			
CR 230218 98746365 23 218		CR 200023	90 37	105 30	105 22	85 11	108 18					95 0.76 38	86 0.49 35	114 23 11	105 15.2 30	105 -0.1 22	102 46 21	107 24.2 22	99 69 30		107 15.2 35	100 -7.4 14	93 -2.7 7	125 30.2 32	114 10 36	104 17 34			
CR 240004 96858147 CR 240004	3	CR 210015 CR 210058	122 59	108 62	109 43	87 31	113 31	123 43	108 23	119 39	109 8	118 -1.12 64	106 -0.28 42	112 20 31	108 16.8 62	109 1.0 43	109 62 45	115 30.4 58	109 104 39		111 17.3 44	102 -9.1 33	109 -5.9 20	118 26.1 41	105 4 44	117 29 42	109 1.78 8	99 0.05 7	102 0.39 7
CR 240008 96858188 CR 240008		CR 210015 CR 210087	114 59	98 63	114 44	101 32	108 31	118 43	102 24	113 39		113 -0.73 64	99 -0.01 43	96 3 32	98 10.8 63	114 2.6 44	109 64 46	104 21.7 58	101 77 40		111 17.6 45	94 -2.8 35	110 -6.0 16	114 23.5 41	93 -3 46	105 18 44			
CR 240009 96858196 CR 240009		CR 210056 CR 210001	129 58	105 62	108 44	92 35	124 34	134 44	97 24	127 40		130 -2.13 62	87 0.44 43	106 14 35	105 15.0 62	108 0.8 44	107 59 47	107 24.8 57	110 109 40		101 11.8 45	116 -19.7 38	125 -9.2 22	115 24.3 43	102 2 46	113 26 44	109 1.74 5		

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Green: >120 High
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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																															
CR 240023 96893771 CR 240023		CR 210015 CR 210128	106 59	123 63	111 44	79 35	121 32	130 44	114 24	126 40		105 -0.04 64	101 -0.08 43	123 34 35	123 25.5 63	111 1.6 44	120 88 47		130 42.1 58	124 158 42		123 24.0 46	106 -12.2 35	126 -9.3 20	116 24.6 42	111 8 47	129 41 45	121 2.89 5			
CR 240030 96921440 CR 240030	3	CR 210015 CR 200089	115 59	109 63	113 45	89 31	113 32	124 43	108 24	120 39	112 8	113 -0.73 64	101 -0.10 42	110 18 31	109 17.2 63	113 2.2 45	114 74 46		114 29.7 58	112 116 39		116 19.9 44	104 -10.7 34	111 -6.4 21	116 24.5 41	109 7 45	120 32 43	110 1.88 8	102 0.25 7	108 0.78 7	
CR 240034 96921481 CR 240034		CR 210010 CR 210126	89 57	119 61	116 42	89 33	108 32	117 42	105 27	113 39	112 10	90 1.16 62	98 0.01 40	109 18 33	119 22.9 61	116 3.0 42	126 104 45		121 35.2 56	113 119 42	110 -50 8		95 8.2 46	99 -6.7 33	105 -5.1 20	115 24.0 42	98 0 47	109 22 45	113 2.11 10	110 0.70 9	96 0.05 9
CR 240039 96921531 CR 240039		CR 210015 CR 210093	128 59	106 63	101 43	91 34	117 32	125 43	105 24	120 39		124 -1.69 64	102 -0.13 42	108 16 34	106 15.8 63	101 -1.2 43	102 47 47		114 30.1 58	108 99 40		107 14.9 45	101 -8.2 36	124 -8.9 19	113 22.8 42	91 -4 45	109 22 44				
CR 240040 96921549 CR 240040		CR 210015 CR 210030	107 59	100 63	111 43	101 31	109 30	116 43	99 23	110 39		103 0.06 64	108 -0.36 42	96 3 31	100 12.2 63	111 1.7 43	110 65 46		105 22.8 58	99 68 39		108 15.6 44	94 -2.7 34	114 -7.0 15	112 22.4 41	91 -4 44	103 16 43				
CR 240043 96921564 CR 240043		CR 210015 CR 210157	115 54	98 58	116 38	98 17	102 21	113 36				115 -0.88 59	96 0.10 36	99 6 17	98 11.0 58	116 3.0 38	110 65 38		102 20.9 52	103 82 33		111 17.3 38	95 -3.5 19	96 -3.3 10	113 22.9 34	100 1 39	108 21 37				
CR 240046 96966601 CR 240046		V8 190372 CR 210005	91 62	122 65	108 48	80 37	113 37	115 47	120 22	114 42	126 6	88 1.30 66	109 -0.43 48	122 32 37	122 25.0 65	108 0.7 48	117 83 50		125 38.4 60	125 164 38		99 10.8 42	102 -8.8 43	113 -6.6 20	115 24.3 47	119 12 43	135 46 41	126 3.42 7	99 0.03 6	107 0.67 6	
CR 240051 96966643 CR 240051		CR 210056 CR 200025	98 58	121 61	113 43	75 32	110 34	116 43	105 24	111 39	120 5	100 0.32 62	92 0.25 42	129 40 32	121 24.5 61	113 2.2 43	117 82 45		121 34.9 56	120 146 41		130 28.1 45	100 -7.5 38	117 -7.6 21	106 18.5 44	123 15 45	130 42 44	119 2.76 5	102 0.22 5		
CR 240066 97208474 CR 240066	1	BOS 199366 CR 210084	78 64	103 67	119 52	115 36	86 41	98 49	103 27	95 45	101 12	75 2.37 67	115 -0.63 52	87 -8 36	103 13.6 67	119 3.9 52	124 100 52		104 21.9 63	105 88 43	95 -34 8		122 23.5 46	66 18.9 46	87 -1.5 27	111 21.5 49	111 8 46	109 22 45	103 1.16 13	88 -0.60 12	90 -0.25 11
CR 240070 97312722 CR 240070	1	BOS 200011 CR 180011	116 62	93 67	100 52	103 33	107 38	108 47	83 23	99 42	84 10	112 -0.68 66	106 -0.31 50	96 2 33	93 8.3 67	100 -1.4 52	93 26 51		93 13.3 62	87 26 34	87 -25 8		84 1.8 40	101 -8.4 40	106 -5.3 24	110 20.9 49	85 -8 39	85 -1 38	82 -0.93 10	94 -0.27 9	86 -0.49 9
CR 240072 97312763 CR 240072		BOS 200011 CR 180027	78 61	118 66	106 50	84 33	109 36	103 46	94 24	97 42	100 10	80 2.02 65	101 -0.09 47	117 26 33	118 22.4 66	106 0.1 50	113 74 50		118 32.9 61	102 79 38	98 -37 7		102 12.0 43	93 -2.2 39	116 -7.4 23	110 20.9 47	109 7 43	110 22 41	99 0.77 10	94 -0.22 9	96 0.09 9
CR 240073 97312771 CR 240073		BOS 200011 CR 130006	126 63	98 67	103 55	101 28	116 35	124 47	94 24	116 42	95 8	117 -1.10 67	118 -0.75 51	97 3 28	98 10.9 67	103 -0.5 55	100 43 50		99 18.0 62	95 55 37	90 -29 7		90 5.6 42	111 -15.8 36	109 -5.8 21	118 26.0 48	78 -11 43	90 4 41	94 0.26 9	91 -0.39 8	86 -0.48 8

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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																													
CR 240078		BOS 200011	81	108	119	85	108	103	97	98	101	84	97	114	108	119	115	105	104	104	105	98	105	114	109	111	98	88	83
97312821		CR 160112	61	65	52	25	32	44	22	40	8	1.66	0.08	23	16.6	3.8	77	23.2	86	-44	14.0	-5.8	-5.1	23.8	7	24	0.66	-0.60	-0.67
CR 240078												65	48	25	65	52	47	58	34	7	39	32	18	45	39	38	9	8	8
CR 240080	1	BOS 200011	116	100	94	108	111	115	92	108	94	111	109	93	100	94	97	99	98	97	95	105	112	109	98	97	91	94	89
97312847		CR 180041	62	67	51	33	37	47	24	42	10	-0.57	-0.39	-1	12.2	-3.1	34	18.1	64	-36	8.3	-11.4	-6.5	20.1	0	11	-0.03	-0.22	-0.31
CR 240080												66	48	33	67	51	50	60	35	8	41	38	24	48	41	39	10	9	9
CR 240084		BOS 200011	83	106	112	94	118	112	93	105	97	85	98	103	106	112	114	105	100	100	96	108	117	115	99	99	96	92	90
97312888		CR 180072	63	68	53	36	38	48	26	44	10	1.58	0.01	10	15.7	2.0	74	22.7	71	-39	8.7	-13.8	-7.6	24.3	1	13	0.46	-0.38	-0.24
CR 240084												67	50	36	68	53	52	62	40	8	44	40	25	49	45	43	10	9	9
CR 240086	1	BOS 200011	108	109	91	92	122	116	95	110	97	109	95	107	109	91	98	110	99	94	85	112	125	113	88	96	96	96	89
97312904		CR 190024	62	67	51	36	37	47	25	43	10	-0.39	0.14	15	17.2	-3.8	37	27.0	67	-33	2.3	-17.1	-9.1	23.1	-6	10	0.48	-0.10	-0.31
CR 240086												66	49	36	67	51	51	62	39	8	43	39	25	48	43	42	10	9	9
CR 240087		BOS 200011	76	109	117	83	102	96	96	91	103	84	81	116	109	117	114	107	105	108	97	91	104	108	108	108	100	88	83
97312912		CR 150110	61	65	52	25	32	44	23	40	8	1.64	0.69	26	17.5	3.3	75	24.6	89	-48	9.1	-0.5	-4.9	20.0	6	21	0.81	-0.59	-0.65
CR 240087												65	48	25	65	52	47	58	35	7	40	32	19	46	40	39	9	8	8
CR 240088	2	BOS 199366	84	110	110	89	110	106	115	105	113	86	98	109	110	110	113	116	117	107	115	104	111	109	128	126	113	97	92
97347645		CR 190123	64	66	52	35	41	48	28	44	12	1.49	0.03	18	18.2	1.5	74	31.1	136	-47	19.4	-10.8	-6.2	20.5	18	38	2.16	-0.10	-0.16
CR 240088												67	52	35	66	52	51	62	44	8	47	46	28	50	48	47	13	12	12
CR 240089		PD 200263	90	100	112	87	100	93				95	86	111	100	112	103	97	104		102	90	99	110	115	104			
97347652		CR 160139	60	63	47	14	25	40				0.75	0.49	20	12.3	1.9	50	17.0	87		12.0	0.4	-3.9	20.9	10	17	10	17	
CR 240089												64	46	14	63	47	41	55	27		33	21	12	41	34	32			
CR 240095	2	BOS 199366	88	104	112	94	113	109	100	104	99	90	99	104	104	112	111	108	104	100	109	109	109	112	107	106	99	96	89
97479893		CR 190016	64	67	53	39	42	50	27	45	12	1.20	-0.01	11	14.4	1.9	67	24.9	87	-39	16.3	-14.8	-5.9	22.5	6	19	0.79	-0.15	-0.30
CR 240095												67	53	39	67	53	53	59	43	8	46	47	30	50	47	46	13	12	12
CR 240096	1	BOS 199366	70	112	118	84	95	91	100	88	103	68	92	115	112	118	118	110	107	108	113	83	94	110	123	113	102	90	85
97479901		CR 160053	63	68	55	32	41	49	25	44	12	3.03	0.25	24	18.9	3.7	85	27.0	99	-47	18.7	5.7	-2.8	21.2	15	26	1.06	-0.50	-0.54
CR 240096												66	53	32	68	55	52	64	39	8	42	45	28	51	41	40	13	12	12
CR 240097	2	BOS 199366	74	113	108	109	94	102	104	98	102	71	104	92	113	108	124	112	107	102	123	83	94	107	120	113	100	92	86
97479919		CR 170102	63	67	54	27	41	47	26	43	12	2.77	-0.23	-2	19.7	1.0	99	28.5	96	-42	24.1	5.5	-2.9	19.2	13	26	0.88	-0.38	-0.51
CR 240097												66	52	27	67	54	49	62	39	8	44	44	28	50	44	42	13	12	12
CR 240100		PD 200263	87	111	113	81	101	99				87	103	119	111	113	111	105	112		115	89	103	110	126	116	105		
97479943		CR 170008	61	65	47	20	32	43				1.39	-0.18	29	18.4	2.1	68	23.0	114		19.4	0.9	-4.6	21.1	16	29	1.36		
CR 240100												65	48	20	65	47	44	59	30		37	33	20	44	35	33	5		
CR 240101		BOS 199366	93	100	111	114	92	102	99	98	97	89	114	88	100	111	113	101	100	93	121	86	80	115	103	101	100	85	84
97479950		CR 130036	65	68	56	32	40	49	28	45	12	1.27	-0.59	-7	12.0	1.7	74	20.0	72	-32	23.3	3.9	0.0	23.9	3	14	0.87	-0.76	-0.61
CR 240101												68	54	32	68	56	52	62	43	8	48	44	26	51	47	46	13	12	11

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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																													
CR 240104		BOS 199366	84	110	109	99	100	103	100	99	106	79	120	99	110	109	117	111	108	106	115	89	96	115	118	115	107	93	98
97479984		CR 180015	62	67	53	36	41	49	26	44	12	2.05	-0.83	6	18.1	1.0	83	27.8	103	-45	19.9	1.0	-3.2	24.0	12	27	1.51	-0.28	0.17
CR 240104												65	52	36	67	53	52	62	41	8	46	45	28	49	46	44	13	12	12
CR 240105		BOS 199366	84	90	120	112	91	94	98	90	92	85	103	89	90	120	110	91	99	97	109	92	84	105	118	105	93	81	72
97480057		CR 160113	62	64	52	23	35	45	26	41	12	1.61	-0.19	-6	6.2	4.3	66	11.9	68	-36	16.5	-1.0	-0.8	18.1	12	19	0.13	-1.02	-1.28
CR 240105												65	52	23	64	52	46	59	40	8	45	35	22	47	45	44	12	11	11
CR 240108		CR 210042	107	101	112	84	97	97	99	93	98	107	97	116	101	112	102	106	102	95	104	89	95	108	123	113	103	89	83
97480081		CR 170087	57	62	48	31	37	44	30	41	18	-0.21	0.05	25	12.9	1.9	48	23.5	79	-34	13.3	1.3	-3.0	20.0	15	26	1.13	-0.52	-0.66
CR 240108												61	45	31	62	48	47	57	40	16	44	37	28	46	45	43	19	18	18
CR 240113	13	CR 210015	124	102	116	108	98	125	105	120		118	111	92	102	116	118	109	107		108	85	96	114	85	105			
97480149		CR 210003	58	62	41	24	29	41	22	37		-1.16	-0.48	-2	13.3	3.1	84	26.0	97		15.4	4.7	-3.3	23.6	-7	18			
CR 240113												63	41	24	62	41	42	58	38		44	33	14	40	44	42			
CR 240114		PD 200263	98	96	104	95	98	92				100	94	102	96	104	97	94	97		98	92	95	107	107	98			
97480156		CR 170137	60	63	46	7	23	38				0.32	0.17	10	9.8	-0.2	34	14.6	60		10.0	-1.4	-3.1	19.3	6	11			
CR 240114												64	47	7	63	46	39	54	23		27	18	10	41	27	26			
CR 240115		BOS 199366	75	104	117	104	100	102	100	97	94	71	107	94	104	117	120	105	100	90	129	103	89	109	116	109	96	86	85
97480164		CR 190093	64	67	53	36	41	49	27	45	12	2.72	-0.32	0	14.6	3.4	90	23.3	71	-28	27.4	-9.5	-1.9	20.6	10	22	0.46	-0.69	-0.54
CR 240115												67	53	36	67	53	52	62	43	8	46	46	28	49	47	45	13	12	11
CR 240117	2	BOS 199366	100	104	105	116	109	120	103	115	103	94	115	86	104	105	114	106	106	99	110	106	110	107	104	108	103	97	92
97480180		CR 190025	64	67	52	39	42	49	26	44	12	0.80	-0.65	-9	14.3	-0.1	75	23.7	95	-38	17.0	-12.0	-6.0	19.0	4	21	1.13	-0.05	-0.15
CR 240117												67	53	39	67	52	53	63	42	8	45	46	29	50	46	45	13	12	12
CR 240118		BOS 199366	85	98	111	111	101	103	92	97	89	83	110	90	98	111	111	99	94	94	109	96	93	113	111	100	89	81	72
97480198		CR 180155	62	64	52	28	36	46	23	41	12	1.73	-0.44	-4	11.2	1.6	67	18.0	52	-32	16.2	-4.4	-2.7	23.1	8	13	-0.18	-0.99	-1.32
CR 240118												65	51	28	64	52	48	60	35	8	38	39	23	46	38	37	12	11	11
CR 240124		BOS 199366	86	94	113	115	94	98	91	91	85	84	108	87	94	113	109	95	95	95	104	101	80	108	116	101	87	81	70
97549265		CR 140074	63	66	55	25	37	46	27	42	12	1.64	-0.39	-8	8.6	2.1	63	14.8	52	-34	13.4	-7.9	-0.1	19.7	11	14	-0.46	-1.03	-1.39
CR 240124												66	53	25	66	55	49	61	42	8	47	39	23	48	48	46	12	11	11
CR 240126		BOS 199366	86	98	114	106	99	100	96	95	94	83	112	93	98	114	111	97	99	100	115	91	90	115	115	105	95	82	74
97549273		CR 140080	64	66	56	29	38	48	24	43	12	1.75	-0.53	0	10.9	2.7	69	17.1	69	-39	19.6	-0.4	-2.2	24.2	10	18	0.34	-0.92	-1.20
CR 240126												67	54	29	66	56	50	60	36	8	40	41	25	49	40	39	12	11	11
CR 240134		CR 210080	69	123	117	73	113	106	114	104	118	76	85	132	123	117	120	127	119		117	102	121	108	123	131	118	99	
97549356		CR 200156	57	61	46	36	33	44	24	40	5	2.29	0.53	43	25.3	3.5	90	39.6	141		20.6	-8.7	-8.3	19.9	15	43	2.63	0.07	
CR 240134												61	43	36	61	46	48	56	42		46	37	20	43	47	45	5	5	
CR 240139		BOS 199366	103	96	101	120	94	103	91	97	89	97	118	81	96	101	103	98	93	86	102	88	86	110	101	96	92	87	85
97580807		CR 180109	62	66	53	35	40	48	26	44	12	0.61	-0.78	-14	9.6	-1.2	49	17.5	46	-24	12.4	1.6	-1.3	21.1	2	10	0.09	-0.63	-0.54
CR 240139												65	52	35	66	53	51	62	41	8	45	44	28	49	45	44	13	12	12

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																															
CR 240201		CR 210112		101	95	97	97	97				83	102	98	101	95	97	91		94	85		89	103	83	110	102	94	86	77	49
6020552342				28	31	24	13	19				5	0.20	0.02	8	9.3	-2.2	20		14.2	18		4.6	-9.5	-0.7	20.8	3	8	-0.51	-1.21	-2.60
CR 240201													30	23	13	31	24	23		25	29		35	19	12	25	36	34	5	5	5
CR 240202		CR 210077		110	90	104	102	102					112	90	96	90	104	93		91	86		109	106	88	113	96	87			
6020552359				31	33	29	18	21					-0.65	0.32	2	6.4	-0.2	26		12.1	23		16.4	-12.5	-1.6	22.9	-1	1			
CR 240202													32	26	18	33	29	27		28	32		36	23	13	27	37	35			
CR 240203		CR 210105		108	98	104	86	112		95			113	82	114	98	104	94		101	99		99	107	109	112	108	104			
6020552367				31	32	28	21	21		20			-0.76	0.67	23	10.9	-0.4	27		19.7	67		10.4	-12.6	-5.9	22.3	6	17			
CR 240203													32	26	21	32	28	27		26	33		37	22	14	27	37	36			
CR 240204		CR 210077		110	90	104	102	102					112	90	96	90	104	93		91	86		109	106	88	113	96	87			
6020552375				31	33	29	18	21					-0.65	0.32	2	6.4	-0.2	26		12.1	23		16.4	-12.5	-1.6	22.9	-1	1			
CR 240204													32	26	18	33	29	27		28	32		36	23	13	27	37	35			
CR 240205		CR 210112		101	95	97	97	97				83	102	98	101	95	97	91		94	85		89	103	83	110	102	94	86	77	49
6020552383				28	31	24	13	19				5	0.20	0.02	8	9.3	-2.2	20		14.2	18		4.6	-9.5	-0.7	20.8	3	8	-0.51	-1.21	-2.60
CR 240205													30	23	13	31	24	23		25	29		35	19	12	25	36	34	5	5	5
CR 240206		CR 210048		124	91	95	92	116		85			127	84	106	91	95	82		94	90		95	111	111	115	95	89			
6020552391				32	34	30	23	24		20			-1.88	0.57	14	7.0	-3.0	0		14.2	36		8.0	-16.3	-6.3	24.4	-2	3			
CR 240206													33	28	23	34	30	29		28	33		37	26	16	29	37	36			
CR 250004	BOS 199366	CR 220201		75	100	115	105	100	97	98	93	96	78	97	94	100	115	114		100	101	101	111	94	87	118	118	106	99	80	67
98639164				59	61	45	26	34	42	25	39	12	2.15	0.06	0	12.0	2.9	75		19.1	77	-41	17.4	-2.8	-1.5	26.1	12	19	0.74	-1.05	-1.58
CR 250004													63	47	26	61	45	44		50	39	8	42	37	23	43	43	41	13	12	11
CR 250005	BOS 199366	CR 220140		78	104	122	104	107	111	99	106	98	66	116	94	104	122	125		103	99	92	118	106	95	116	116	110	98	91	88
98639172				62	65	48	27	38	45	26	41	12	3.19	-0.68	0	14.3	4.9	100		21.6	70	-30	21.2	-12.3	-3.0	24.7	10	22	0.64	-0.40	-0.40
CR 250005													66	49	27	65	48	47		56	40	8	44	44	25	45	45	43	12	11	11
CR 250009	PD 200263	CR 220046		99	105	99	88	111	103				99	99	111	105	99	98		104	108		98	106	109	112	115	115			
98639214				61	64	41	19	28	41				0.42	-0.03	20	15.2	-1.8	37		22.0	100		9.8	-12.4	-5.9	22.1	10	27			
CR 250009													65	45	19	64	41	41		50	28		32	31	15	39	33	31			
CR 250010	BOS 199366	CR 220010		94	99	115	109	101	109	106	106	103	90	114	91	99	115	114		100	107	102	114	94	86	122	110	108	105	86	76
98639222				60	62	45	27	35	43	25	39	12	1.17	-0.60	-3	11.5	2.8	76		19.4	99	-42	19.4	-3.0	-1.3	28.4	7	21	1.31	-0.69	-1.04
CR 250010													64	48	27	62	45	45		52	39	8	43	38	23	44	43	42	12	11	11
CR 250011	PD 200263	CR 220073		100	102	99	92	103	97			99	100	99	106	102	99	97		101	104		112	95	99	112	106	105	100	93	96
98639230				60	64	42	20	29	41				0.33	-0.03	14	13.3	-1.8	35		19.8	87		18.1	-3.8	-3.9	22.0	5	18	0.81	-0.31	0.07
CR 250011													65	44	20	64	42	42		51	30		34	32	15	39	35	33	10	9	9
CR 250016	PD 200263	CR 220203		88	112	104	86	111	105				89	100	114	112	104	108		110	112		107	99	109	116	110	108			
98665110				57	60	37	13	23	36				1.22	-0.05	23	19.0	-0.3	60		26.9	115		15.1	-6.8	-5.9	24.6	7	21			
CR 250016													62	41	13	60	37	37		45	28		33	21	13	36	33	32			

Breeding Values and Accuracies: Cows

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Orange: <80 Low

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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																													
CR 250018		PD 200263	96	105	104	90	98	96	104	93	102	94	108	108	105	104	104	104	107	104	115	92	94	109	108	104	102	96	98
98662232		CR 220094	61	64	43	23	31	42	20	38	6	0.86	-0.36	16	15.3	-0.2	52	22.4	97	-44	19.5	-1.1	-2.8	20.5	6	17	1.06	-0.13	0.20
CR 250018												66	45	23	64	43	43	52	32	5	36	34	18	40	36	35	7	6	6
CR 250019		PD 200263	89	104	106	96	105	101				85	116	102	104	106	107	102	96		98	106	103	104	100	97			
98662240		CR 220078	60	63	41	17	26	39				1.60	-0.69	9	14.5	0.4	58	20.2	58		9.9	-12.0	-4.6	17.6	1	11			
CR 250019												65	42	17	63	41	40	48	30		35	26	14	38	36	34			
CR 250022		PD 200263	84	111	99	91	102	96	103	92	102	82	110	108	111	99	106	109	106	104	116	98	98	110	106	102	101	95	98
98662273		CR 220095	61	64	42	23	31	42	20	38	6	1.79	-0.47	16	18.6	-1.7	55	26.0	93	-43	20.3	-5.9	-3.7	20.7	5	16	0.99	-0.16	0.17
CR 250022												65	45	23	64	42	43	52	32	5	37	34	18	40	37	36	7	6	6
CR 250027		PD 200263	109	101	93	93	105	99				106	104	106	101	93	92	101	101		100	95	99	116	110	103			
98702178		CR 220206	55	59	37	10	22	35				-0.19	-0.21	14	13.0	-3.4	23	19.8	76		11.2	-3.7	-3.8	25.0	7	16			
CR 250027												60	38	10	59	37	35	44	27		32	19	11	35	33	31			
CR 250036		PD 200263	96	117	106	89	100	108				93	109	110	117	106	117	117	117		113	88	96	116	108	114			
98751365		CR 220011	61	64	42	22	29	41				0.91	-0.41	18	22.1	0.4	82	32.5	133		18.3	1.9	-3.3	24.5	6	27			
CR 250036												65	45	22	64	42	43	51	31		35	32	16	39	36	34			
CR 250037	1	BOS 199366	79	95	113	119	93	97	93	92	89	78	111	82	95	113	113	96	94	87	109	83	94	106	105	99	90	87	87
98751373		CR 220113	63	66	50	34	39	47	26	43	12	2.20	-0.50	-14	9.2	2.2	73	16.0	50	-24	16.0	5.7	-2.9	18.5	4	12	-0.12	-0.65	-0.43
CR 250037												67	50	34	66	50	50	58	40	8	44	47	25	46	44	43	13	12	11
CR 250040		BOS 199366	82	95	110	114	93	94	92	88	88	82	106	88	95	110	108	96	93	93	108	92	83	108	110	99	89	81	71
98751407		CR 210150	59	60	46	23	33	42	23	38	12	1.84	-0.31	-7	9.3	1.4	60	15.7	49	-31	15.8	-1.4	-0.8	19.6	7	12	-0.26	-1.00	-1.34
CR 250040												63	47	23	60	46	43	49	35	8	38	35	22	42	38	37	12	11	11
CR 250044	1	CR 220048	105	110	85	92	112	105	98	100	103	106	94	107	110	85	94	109	106	100	99	109	108	113	114	113	107	87	99
98807324		CR 220123	57	61	40	27	27	40	22	36	10	-0.20	0.20	15	18.0	-5.6	27	26.2	94	-39	10.7	-14.4	-5.6	22.7	10	26	1.55	-0.67	0.21
CR 250044												62	40	27	61	40	43	43	35	5	41	28	15	38	41	40	10	9	9
CR 250045		CR 220048	109	119	93	76	130	123	103	118	114	113	84	129	119	93	100	118	116		97	122	136	112	122	125	118	99	106
98807332		CR 210128	59	62	44	36	33	44	24	40	6	-0.74	0.59	40	23.3	-3.4	43	33.2	130		9.4	-24.9	-11.2	22.4	14	37	2.58	0.08	0.62
CR 250045												63	43	36	62	44	47	49	39		44	38	21	41	45	43	6	5	5
CR 250047		CR 220048	124	109	82	85	126	117	96	111	101	126	87	117	109	82	87	111	104		85	116	135	109	107	111	106	93	98
98807357		CR 210093	59	62	43	35	33	44	23	40	5	-1.79	0.45	26	17.2	-6.5	10	27.5	87		2.3	-19.6	-11.1	20.6	6	23	1.40	-0.29	0.17
CR 250047												63	43	35	62	43	47	49	38		43	38	21	41	43	42	5	5	5
CR 250054	13	CR 220048	115	112	85	91	123	119	103	114	111	116	93	109	112	85	96	112	111		91	111	129	114	123	126	117	89	104
98849441		CR 220057	58	62	40	29	31	42	22	38	5	-0.98	0.22	17	19.2	-5.5	32	28.7	111		5.9	-16.4	-9.8	23.4	15	38	2.48	-0.55	0.55
CR 250054												63	41	29	62	40	44	48	36		41	36	18	39	42	40	5	5	5
CR 250058	1	CR 220048	104	114	95	87	111	110	100	105		105	94	113	114	95	103	115	112		102	96	123	107	127	124	113		
98873292		CR 210082	59	62	44	33	32	43	23	39		-0.09	0.17	22	20.5	-2.9	50	30.4	115		12.4	-4.6	-8.7	18.8	17	36	2.11		
CR 250058												63	43	33	62	44	46	50	37		42	38	19	40	43	41	5		

Breeding Values and Accuracies: Cows

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	
ID Number Name																														
CR 250059 98873300 CR 250059		CR 220035 CR 220055	95 56	116 60	100 40	85 27	109 30	107 40	103 22	103 36		93 0.95 61	108 -0.36 40	115 24 27	116 21.6 60	100 -1.5 40	108 61 42	117 32.3 47	106 93 37		105 13.8 43	104 -10.4 35	105 -5.0 16	112 22.5 38	109 7 43	119 31 41				
CR 250060 98939317 CR 250060		CR 220048 CR 200012	81 58	141 61	94 42	74 26	115 31	116 41	124 22	116 37		84 1.64 63	94 0.18 42	132 43 26	141 35.6 61	94 -3.0 42	120 90 43	139 49.2 48	136 202 35		119 21.7 41	104 -10.9 35	120 -8.1 17	112 22.0 40	142 26 41	144 56 39				
CR 250062 98939333 CR 250062	1	CR 220048 CR 200082	91 60	118 62	100 44	84 29	113 32	109 43	100 23	104 39		92 0.97 64	97 0.06 44	117 26 29	118 22.4 62	100 -1.5 44	109 63 45	118 33.2 50	110 108 38		96 8.7 44	100 -7.3 38	120 -8.1 18	109 20.7 41	125 16 44	121 33 42	113 2.10 5			
CR 250064 98974355 CR 250064		CR 220035 CR 220061	106 55	116 59	90 39	92 27	109 29	111 39	105 22	107 36		101 0.24 60	124 -1.01 38	107 15 27	116 21.3 59	90 -4.3 39	103 50 42	116 31.7 46	107 99 37		103 13.1 42	97 -5.4 34	110 -6.1 15	113 22.6 38	106 5 43	118 30 41				
CR 250065 98974363 CR 250065		CR 220127 CR 210051	106 56	108 59	104 41	90 30	112 28	114 40				107 -0.25 61	95 0.14 40	109 17 30	108 17.0 59	104 -0.3 41	107 57 43	111 27.6 46	99 67 29		94 7.9 32	99 -6.4 31	114 -6.9 16	114 23.6 38	105 4 32	103 16 31				
CR 250066 98974371 CR 250066		CR 220014 CR 220205	112 49	106 53	117 33	88 16	110 20	119 33	101 20	114 30		111 -0.56 54	100 -0.04 31	110 19 16	106 15.5 53	117 3.4 33	114 74 34	108 25.3 36	106 93 34		98 9.7 40	101 -8.2 19	104 -4.8 9	118 25.7 33	102 3 41	104 18 38				
CR 250077 99047862 CR 250077		TG 210233 CR 170144	101 60	107 61	104 44	94 13	104 23	107 38			100 8	105 -0.05 64	87 0.47 46	103 11 13	107 16.3 61	104 -0.2 44	108 61 39	104 21.9 24	102 78 26		100 10.9 31	104 -10.9 20	93 -2.7 10	113 22.9 38	96 -1 31	99 12 30	98 0.69 9	89 -0.56 8	83 -0.69 8	
CR 250080 99047896 CR 250080		BOS 200011 CR 160049	81 62	113 67	107 52	85 30	106 36	100 47	92 25	94 43	99 10	85 1.58 66	94 0.20 50	115 24 30	113 19.6 67	107 0.6 52	111 67 50	110 26.7 52	100 73 38	100 -39 7		96 8.8 44	105 -11.3 39	106 -5.3 23	106 18.2 47	107 6 43	107 20 42	96 0.45 10	94 -0.24 9	91 -0.21 9
CR 250082 99047912 CR 250082		TG 210233 CR 190125	129 62	112 64	86 45	98 29	121 32	129 44			107 10	131 -2.23 66	84 0.57 47	101 8 29	112 19.0 64	86 -5.3 45	99 40 46	111 27.9 35	111 113 28	113 -53 5		101 11.5 31	120 -23.5 33	118 -7.6 21	112 22.5 42	102 3 31	109 22 30	107 1.58 10	99 0.08 9	93 -0.10 8
CR 250087 99047961 CR 250087		BOS 200011 CR 180015	93 61	122 67	99 52	84 33	112 36	113 47	99 24	107 42	112 10	88 1.29 65	115 -0.67 48	116 26 33	122 25.0 67	99 -1.8 52	113 72 51	121 35.5 52	111 113 38	112 -52 7		100 10.9 43	98 -6.2 39	116 -7.3 24	114 23.4 46	108 6 43	114 27 41	109 1.76 10	99 0.03 9	107 0.67 9
CR 250088 99047979 CR 250088		BOS 200011 CR 170137	99 61	94 64	109 51	98 21	106 29	101 43	86 20	94 38	86 8	100 0.31 65	95 0.14 48	99 6 21	94 8.8 64	109 1.0 51	100 41 45	94 14.0 46	90 35 31	92 -30 7		87 3.7 35	104 -10.7 27	102 -4.4 17	110 20.8 44	93 -2 35	90 4 34	85 -0.66 9	85 -0.77 8	77 -0.99 8
CR 250091 99070625 CR 250091		TG 210233 CR 200040	84 60	128 62	105 42	83 29	96 30	105 42			121 12	88 1.36 65	94 0.19 44	118 27 29	128 28.5 62	105 0.0 42	123 96 44	124 37.6 36	122 153 17	127 -68 9		123 24.0 20	88 2.2 31	89 -1.8 19	114 23.6 40	127 17 19	127 39 19	118 2.62 13	99 0.07 12	99 0.23 11

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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																																
CR 250093		PD 200263		102	104	99	90	98	94				99	107		109	104	99	97		101	105		105	86	98	111	116	107			
99070641		CR 170142		60	62	46	14	25	40				0.42	-0.35		17	14.4	-1.8	36		19.9	89		13.8	3.5	-3.6	21.7	11	20			
CR 250093													64	47		14	62	46	41		39	23		27	24	11	39	27	26			
CR 250094		TG 210233		110	110	101	92	113	117			101	109	97		106	110	101	107		108	105	105	103	115	105	112	111	108	102	96	107
99070658		CR 200089		60	63	43	31	31	43			12	-0.43	0.06		14	18.2	-1.3	58		25.4	90	-44	13.1	-19.0	-5.0	22.5	8	21	1.03	-0.13	0.69
CR 250094													65	44		31	63	43	46		36	24	5	27	33	21	40	27	26	12	11	10
CR 250096		TG 210233		127	118	92	87	120	129			113	124	98		113	118	92	104		118	116	114	107	112	117	117	100	112	113	103	98
99070674		CR 200103		62	64	45	33	32	44			10	-1.69	0.02		22	22.5	-3.8	52		33.1	130	-54	15.3	-16.9	-7.5	25.5	1	24	2.14	0.30	0.20
CR 250096													66	47		33	64	45	47		36	28	5	31	34	20	42	30	30	10	9	8
CR 250098		BOS 199366		82	94	116	115	95	98	94	93	88	82	106		86	94	116	112		94	91	83	104	93	83	112	99	98	89	80	71
99070690		CR 200215		61	62	49	23	33	43	24	39	12	1.85	-0.28		-9	8.6	3.1	71		14.7	38	-21	13.3	-2.0	-0.6	22.5	1	11	-0.23	-1.07	-1.34
CR 250098													64	49		23	62	49	45		46	38	8	42	35	22	42	42	41	12	11	11
CR 250099		BOS 199366		87	97	116	116	101	109	94	102	91	85	109		85	97	116	116		98	95	88	122	106	90	108	104	100	93	87	84
99070708		CR 190066		65	67	53	36	41	49	27	45	12	1.60	-0.42		-10	10.2	3.2	81		17.3	53	-26	23.9	-12.2	-2.2	19.8	4	13	0.16	-0.68	-0.59
CR 250099													68	53		36	67	53	52		54	43	8	46	46	28	48	47	45	13	12	11
CR 250103		BOS 199366		75	101	118	110	91	97	98	92	95	71	108		91	101	118	120		101	101	101	110	84	83	111	115	104	95	81	73
99070740		CR 190163		61	63	50	23	34	44	24	40	12	2.70	-0.36		-4	12.9	3.7	89		19.9	75	-40	17.1	5.0	-0.6	21.9	10	17	0.38	-1.00	-1.23
CR 250103													64	49		23	63	50	45		47	38	8	42	37	22	43	42	41	12	11	11
CR 250104		PD 200263		88	120	110	83	103	107				87	107		118	120	110	118		121	123		112	94	100	113	114	117			
99195729		CR 210005		60	64	44	26	29	42				1.44	-0.35		27	23.5	1.4	85		35.0	155		18.1	-2.5	-4.1	23.0	9	29			
CR 250104													65	44		26	64	44	45		46	30		35	32	16	40	35	34			
CR 250114		PD 200263		93	115	101	80	116	108	109	105		95	96		122	115	101	104		115	112		102	108	122	108	109	110			
99207672		CR 190016		61	66	47	31	33	45	20	40		0.75	0.11		33	20.5	-1.2	52		30.5	114		12.5	-13.4	-8.6	19.8	7	23			
CR 250114													65	48		31	66	47	48		48	34		37	35	22	43	38	37			
CR 250116		BOS 199366		69	99	120	111	92	94	98	90	92	71	92		90	99	120	119		99	99	96	105	92	83	107	110	103	93	80	72
99195810		CR 130014		62	66	56	25	36	46	27	42	12	2.73	0.27		-4	11.5	4.2	88		18.4	68	-35	14.0	-1.1	-0.7	19.0	7	16	0.17	-1.05	-1.30
CR 250116													65	52		25	66	56	49		51	42	8	48	37	22	48	46	44	12	11	11
CR 250117		CR 220026		101	110	103	88	125	120	103	115		99	104		111	110	103	107		114	101		104	119	128	112	101	107			
99195869		CR 190024		59	63	45	32	30	43	23	39		0.42	-0.20		20	18.1	-0.5	58		29.6	74		13.1	-22.5	-9.6	22.2	2	20			
CR 250117													63	43		32	63	45	47		39	39		44	32	19	39	45	43			
CR 250118		BOS 199366		79	113	126	111	97	118	113	115	115	73	117		90	113	126	141		116	117	108	122	91	88	114	116	121	115	96	99
99195877		CR 210011		62	66	50	36	39	47	26	43	12	2.59	-0.72		-4	19.8	5.8	138		31.4	134	-48	23.7	-0.7	-1.7	23.4	11	33	2.28	-0.11	0.26
CR 250118													66	49		36	66	50	51		50	41	8	45	45	26	46	45	44	13	11	11
CR 250120		PD 200263		99	99	100	95	96	90				98	101		103	99	100	95		96	98		99	92	96	104	108	99			
99195893		CR 210158		56	59	39	7	21	35				0.49	-0.11		11	11.3	-1.4	31		16.1	64		10.4	-1.1	-3.2	17.0	6	12			
CR 250120													61	40		7	59	39	35		36	23		27	18	10	35	27	26			

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																														
CR 250125	1	BOS 199366		78	104	120	114	85	100	103	96	102	70	117	87	104	120	127	106	105	96	122	66	88	109	112	110	104	88	91
99262388		CR 210084		64	67	52	36	40	49	27	45	12	2.80	-0.71	-7	14.7	4.2	106	23.4	91	-35	23.9	19.2	-1.6	20.1	8	23	1.26	-0.59	-0.23
CR 250125				67	52								67	52	36	67	52	52	54	43	8	46	46	27	48	46	45	13	12	11
CR 250126		CR 220026		86	100	116	93	109	103				86	106	104	100	116	110	101	92		106	111	104	107	106	101			
99262396		CR 210163		54	57	36	9	17	33				1.53	-0.31	12	12.0	3.1	64	19.6	41		14.4	-16.0	-4.9	19.0	5	14			
CR 250126				59	35								59	35	9	57	36	34	22	31		36	15	6	30	37	35			
CR 250129		BOS 199366		75	100	118	108	92	95	96	90	94	74	107	93	100	118	117	100	100	100	113	90	85	107	117	106	94	82	74
99262420		CR 210157		58	61	46	23	33	42	23	38	12	2.45	-0.32	-1	11.9	3.5	81	18.8	71	-39	18.7	0.4	-1.1	19.4	11	19	0.31	-0.92	-1.19
CR 250129				62	46								62	46	23	61	46	43	45	35	8	38	35	22	42	38	37	12	11	11
CR 250131		PD 200263		104	106	85	102	91	91			98	101	106	97	106	85	93	105	100	88	98	88	88	103	97	98	99	98	97
99262446		CR 210070		60	64	43	26	31	42			6	0.24	-0.29	3	15.3	-5.6	26	22.8	73	-27	9.9	1.5	-1.6	16.7	0	11	0.77	-0.01	0.15
CR 250131				65	44								65	44	26	64	43	44	46	28	5	33	33	18	41	33	32	6	6	5
CR 250133		BOS 199366		89	100	108	106	92	95	96	90	94	84	118	94	100	108	108	101	98	91	106	88	83	111	110	103	97	87	92
99262461		CR 210098		63	66	51	36	40	48	26	44	14	1.66	-0.76	0	11.9	0.9	61	19.9	64	-29	14.5	1.6	-0.7	21.5	7	16	0.60	-0.66	-0.17
CR 250133				67	50								67	50	36	66	51	51	52	40	8	44	45	27	47	44	43	14	13	13
CR 250136		CR 220026		91	109	116	89	112	113	104	109		87	115	109	109	116	116	111	103		108	110	110	111	101	109			
99262495		CR 210002		58	62	41	27	27	41	21	37		1.42	-0.65	18	17.1	3.1	80	27.3	84		15.7	-15.5	-6.0	21.3	2	22			
CR 250136				63	40								63	40	27	62	41	43	38	36		42	32	14	36	43	41			
CR 250137		CR 220026		80	116	108	83	120	112	113	109	107	78	113	118	116	108	114	119	108	95	118	115	123	109	113	112	106	96	
99262503		CR 170068		60	64	46	19	30	42	22	38	5	2.19	-0.58	27	21.6	0.9	74	33.9	103	-33	21.4	-19.0	-8.6	20.6	9	25	1.46	-0.12	
CR 250137				64	45	46	19	30	42	22	38	5	64	45	19	64	46	43	40	35	5	42	32	19	40	41	39	5	5	
CR 250140		CR 220043		86	117	117	80	114	114	111	111		90	91	120	117	117	120	118	113		116	106	115	113	114	113			
99262537		CR 150116		58	61	48	26	27	42	22	38		1.19	0.29	30	21.8	3.3	88	32.8	118		20.4	-11.8	-7.0	22.5	9	26			
CR 250140				62	44								62	44	26	61	48	45	36	35		41	28	15	39	42	40			
CR 250141		BOS 199366		81	99	115	113	96	101	92	95	89	79	112	88	99	115	116	100	93	86	114	99	82	110	99	96	92	86	84
99262545		CR 190071		65	67	54	36	41	49	26	44	12	2.07	-0.55	-6	11.5	2.8	79	18.9	45	-24	19.3	-6.9	-0.4	21.3	1	10	0.03	-0.72	-0.63
CR 250141				68	54								68	54	36	67	54	52	54	42	8	46	46	29	48	46	45	13	12	11
CR 250142		BOS 199366		81	96	121	114	92	100	90	93	89	78	113	87	96	121	118	96	94	95	114	90	89	104	109	100	88	87	83
99358426		CR 170032		63	66	54	25	39	47	25	43	12	2.13	-0.58	-8	9.6	4.5	85	15.9	52	-33	19.3	0.6	-1.8	17.3	7	13	-0.33	-0.68	-0.66
CR 250142				66	53								66	53	25	66	54	48	50	38	8	42	43	27	46	43	41	12	11	11
CR 250154		CR 220026		92	109	110	95	110	112	103	107		87	116	102	109	110	115	110	98		127	114	100	111	100	104			
99483075		CR 190079		60	64	45	26	29	42	24	38		1.38	-0.69	9	17.1	1.4	77	26.8	66		26.4	-18.6	-4.0	21.5	1	17			
CR 250154				65	44								65	44	26	64	45	45	40	41		47	33	17	38	48	46			
CR 260002	4	CR 230092		90	108	98	98	104	100			100	89	107	100	108	98	105	109	105	102	110	105	96	109	115	109	100	85	82
6020456304		CR 230109		57	46	36	17	28	35			8	1.27	-0.35	7	16.8	-2.1	54	26.0	89	-42	16.6	-11.1	-3.3	20.2	10	22	0.82	-0.75	-0.72
CR 260002				62	39								62	39	17	46	36	33	42	24	5	27	34	17	34	26		8	8	8

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																															
CR 260004 6020456320 CR 260004	2	CR 230093 CR 220087	87 57	104 46	104 37	103 24	100 29	99 36	98 20	94 33	94 9	84 1.62 61	110 -0.47 41	95 2	104 14.3 46	104 -0.3 37	108 60 36	103 21.4 42	101 74 31	100 -39 6	118 21.4 34	103 -9.5 35	92 -2.6 17	107 19.3 35	110 7 34	101 15 33	95 0.34 9	88 -0.59 9	80 -0.85 8		
CR 260005 6020456338 CR 260005		PD 200263 CR 230076	89 59	99 54	101 38	104 14	100 28	94 37			93 6	88 1.36 64	106 -0.29 43	95 1	99 11.6 54	101 -1.3 38	100 42 35	98 17.3 46	98 67 29		104 13.3 33	98 -6.1 32	93 -2.7 15	109 20.3 37	107 5 34	99 12 32	94 0.31 6	89 -0.55 6	87 -0.44 6		
CR 260010 6020456387 CR 260010		CR 230093 CR 220010	109 54	95 40	111 35	111 21	105 24	115 32			98 6	103 0.07 59	114 -0.61 38	90 -4	95 9.4 40	111 1.7 35	107 59 32	97 16.7 36	102 81 26		107 14.9 29	97 -4.8 26	93 -2.7 15	121 27.7 32	105 4 29	103 16 28	99 0.73 7	87 -0.66 6	72 -1.31 6		
CR 260013 6020456411 CR 260013		CR 230092 CR 230214	113 53	108 37	88 29	86 17	112 23	105 30			105 6	112 -0.63 58	98 0.01 35	115 24 17	108 16.7 37	88 -4.8 29	91 20 28	110 27.0 32	109 105 22		103 12.6 25	105 -11.4 23	107 -5.5 15	116 24.6 30	115 10 24	111 24 24	106 1.44 6	83 -0.88 6	69 -1.47 5		
CR 260021 6020456494 CR 260021		PD 200263 CR 230216	107 56	101 47	98 32	89 13	108 22	101 32				107 -0.23 61	98 0.03 39	110 19 13	101 12.9 47	98 -2.1 32	93 27 31	101 20.1 38	105 90 28		100 11.4 32	99 -7.0 21	105 -5.1 12	114 23.3 34	110 7 33	104 18 32					
CR 260022 6020456502 CR 260022		CR 230083 CR 230004	112 58	101 48	107 40	106 27	106 31	116 38			100 7	106 -0.17 63	113 -0.56 42	94 0	101 12.7 48	107 0.4 40	108 61 38	102 20.6 44	101 74 32		127 26.3 35	107 -12.7 37	96 -3.3 19	111 21.9 37	98 0 35	103 16 34	101 0.98 7	90 -0.49 7	89 -0.35 6		
CR 260025 6020460165 CR 260025	1	CR 230083 CR 230015	113 58	102 47	104 37	98 24	108 29	113 36			108 7	107 -0.29 63	111 -0.48 41	100 7	102 13.1 47	104 -0.2 37	104 51 36	103 21.0 44	108 102 28		111 17.4 31	103 -9.5 36	102 -4.4 17	115 23.8 35	110 7 31	117 29 30	109 1.72 7	91 -0.42 7	93 -0.10 6		
CR 260027 6020456569 CR 260027	2	CR 230093 CR 220095	93 57	103 47	102 39	105 29	101 30	102 38	94 20	96 34	96 9	89 1.23 62	114 -0.59 41	94 1	103 13.7 47	102 -0.9 39	105 55 38	101 20.1 44	101 76 30	103 -43 6	121 23.2 33	99 -6.7 36	94 -2.9 20	110 21.3 35	107 6 33	101 15 33	95 0.37 9	92 -0.38 9	86 -0.47 8		
CR 260028 6020456577 CR 260028		PD 200263 CR 230200	98 56	104 46	98 31	87 9	104 21	95 31				97 0.55 61	101 -0.08 39	112 21 9	104 14.6 46	98 -1.9 31	96 33 29	103 21.4 38	105 90 27		101 11.7 32	96 -4.2 19	97 -3.4 11	117 25.2 33	105 4 33	99 12 31					
CR 260029 6020456585 CR 260029	1	CR 230093 CR 220203	109 53	98 39	105 34	100 20	110 24	111 32			100 6	109 -0.38 58	98 0.03 37	98 4	98 11.0 39	105 -0.1 34	101 45 31	99 18.5 34	103 84 25		109 16.3 29	101 -8.6 25	104 -4.9 16	117 25.3 32	108 6 29	103 16 28	102 1.01 7	89 -0.56 6	71 -1.37 6		
CR 260030 6020456593 CR 260030		PD 200263 CR 220066	108 61	103 54	98 40	89 20	111 28	105 38				106 -0.18 65	101 -0.11 45	110 19 20	103 13.7 54	98 -1.9 40	96 32 38	101 20.0 46	106 95 28		96 9.1 32	99 -6.9 31	114 -6.8 15	111 21.7 38	113 9 33	113 25 31					
CR 260035 6020531767 CR 260035	1	CR 230092 CR 220057	102 58	117 47	88 38	92 25	113 29	111 37			111 6	98 0.51 63	110 -0.45 40	107 15 25	117 21.8 47	88 -4.8 38	103 49 37	118 33.3 42	112 116 24		102 12.3 27	100 -7.5 34	118 -7.7 18	111 21.9 35	118 12 26	121 33 26	112 1.99 7	91 -0.41 6	96 0.08 6		

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

Value <80	Value >120
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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																														
CR 260036 6020531775 CR 260036	1	CR 230083 CR 220046	109 58	96 47	108 40	99 24	113 28	113 37			99 6	105 -0.09 63	108 -0.39 42	98 5 24	96 9.7 47	108 0.8 40	101 45 37		97 16.9 42	100 73 26		99 10.7 29	111 -15.9 33	103 -4.6 17	118 25.9 34	105 4 29	108 21 28	100 0.90 7	86 -0.72 6	81 -0.80 6
CR 260039 6020534803 CR 260039		CR 230083 CR 230218	97 53	104 37	107 30	94 17	106 22	105 30			103 6	95 0.77 58	106 -0.29 35	103 11 17	104 14.4 37	107 0.5 30	107 58 28		106 23.3 33	103 84 25		113 18.5 29	98 -5.9 22	93 -2.7 13	122 28.6 30	109 7 29	106 19 28	104 1.28 6	79 -1.09 6	64 -1.72 6
CR 260040 6020647092 CR 260040	14	CR 230083 CR 230101	97 58	99 47	108 38	113 23	99 30	107 37			96 8	91 1.05 63	121 -0.87 41	88 -6 23	99 11.5 47	108 1.0 38	110 66 36		100 19.2 44	100 72 28	96 -34 6	112 18.1 31	91 -0.7 36	91 -2.2 19	115 24.0 36	103 3 31	102 15 30	97 0.52 9	90 -0.50 8	82 -0.72 8
CR 260041 6020647100 CR 260041		CR 230083 CR 230206	112 53	98 37	104 31	94 19	111 23	110 30			98 6	109 -0.44 58	104 -0.23 36	104 12 19	98 11.1 37	104 -0.4 31	98 36 29		101 19.4 34	103 82 26		103 12.7 29	101 -8.4 24	102 -4.4 15	123 29.1 30	106 5 29	101 14 28	101 0.92 6	83 -0.91 6	63 -1.83 6
CR 260042 6020647118 CR 260042		PD 200263 CR 220094	94 61	107 56	104 42	90 23	97 30	95 40	105 20	93 36	103 6	92 1.00 66	108 -0.39 45	109 17 23	107 16.0 56	104 -0.2 42	105 54 40		105 23.2 47	108 100 32	105 -45 5	115 19.9 36	92 -0.9 34	94 -2.9 18	107 19.4 39	109 7 36	105 18 35	103 1.12 7	96 -0.13 6	99 0.22 6
CR 260046 6020660095 CR 260046		CR 220011	104 49	99 33	115 29	106 21	85 21	100 28				102 0.18 54	104 -0.22 32	94 0 21	99 11.5 33	115 2.8 29	113 73 28		99 18.2 29	94 51 21		96 9.0 23	85 4.2 27	88 -1.7 12	92 10.1 24	91 -4 24	96 9 23			
CR 260048 6020795453 CR 260048		TG 210233 CR 180011	126 61	98 53	93 45	108 29	101 31	111 41			89 10	123 -1.55 65	101 -0.11 47	93 -1 29	98 11.0 53	93 -3.4 45	93 26 42		96 15.8 36	94 50 19	99 -38 5	96 8.9 25	102 -9.1 33	95 -3.0 19	107 19.3 41	94 -2 23	91 5 21	88 -0.30 10	96 -0.14 9	88 -0.39 9
CR 260051 6020795487 CR 260051		TG 210233 CR 170144	96 60	106 48	108 43	97 13	103 22	106 35			96 8	100 0.37 64	89 0.38 46	100 8 13	106 15.8 48	108 0.7 43	111 68 35		103 21.4 24	98 66 26		97 9.2 31	106 -11.9 20	92 -2.5 10	110 21.3 36	93 -3 31	95 8 30	95 0.36 9	88 -0.60 8	81 -0.77 8
CR 260054 6020795511 CR 260054		TG 210233 CR 160053	90 61	113 54	105 47	81 26	102 31	98 41			102 10	97 0.54 65	81 0.71 47	121 31 26	113 19.8 54	105 0.1 47	107 59 42		109 25.7 38	106 93 21		101 11.6 24	98 -5.5 32	99 -3.9 19	109 20.4 42	110 7 21	106 19 20	100 0.90 10	95 -0.20 9	91 -0.19 9
CR 260058 6020795552 CR 260058	4	CR 230092 CR 230086	92 58	117 47	92 36	91 22	101 30	99 36			112 8	88 1.29 63	114 -0.60 40	108 16 22	117 21.8 47	92 -3.6 36	106 56 35		118 32.6 43	114 122 25	112 -52 5	113 18.4 28	89 1.0 35	99 -3.9 19	112 22.4 35	120 13 28	117 30 27	111 1.89 9	92 -0.35 8	96 0.10 8
CR 260059 6020795560 CR 260059		ROCK210124 CR 210150	87 54	99 46	104 37	94 9	98 21	89 32			88 5	88 1.35 60	102 -0.14 33	104 11 9	99 11.6 46	104 -0.3 37	99 39 31		96 15.9 28	92 43 10		97 9.7 11	99 -6.7 19	97 -3.4 12	102 16.2 33	103 3 10	96 10 10	88 -0.36 5	83 -0.88 5	
CR 260060 6020795578 CR 260060		TG 210233 CR 190066	112 62	106 53	100 44	103 30	108 31	117 41			96 10	112 -0.63 66	98 0.03 47	95 2 30	106 15.6 53	100 -1.4 44	107 59 42		103 21.6 36	99 68 27		115 19.6 30	118 -21.6 34	98 -3.6 20	107 18.9 40	98 0 30	99 12 29	97 0.52 10	93 -0.32 9	93 -0.11 8

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																													
CR 260063		BOS 199366	87	95	118	112	91	99	92	93	92	85	110	89	95	118	114	96	97	98	117	89	90	102	112	103	91	87	84
6020795602		CR 170032	63	58	53	25	38	44	25	40	12	1.60	-0.47	-5	9.4	3.6	75	15.7	62	-37	20.6	1.5	-2.0	16.3	8	16	-0.05	-0.64	-0.59
CR 260063												66	53	25	58	53	45	50	38	8	42	43	27	45	43	41	12	11	11
CR 260065		BOS 199366	73	107	117	103	97	100	97	95	99	63	101	95	107	117	123	107	103	102	119	94	93	107	117	109	99	89	85
6020830821		CR 190060	64	59	53	38	41	47	28	43	12	3.42	-0.08	1	16.3	3.5	97	24.8	83	-41	22.0	-2.4	-2.6	19.1	11	22	0.79	-0.56	-0.57
CR 260065												67	53	38	59	53	50	53	45	8	49	46	29	48	49	48	13	12	12
CR 260066		BOS 199366	94	89	113	114	90	94	91	89	87	94	103	87	89	113	103	90	93	92	108	92	84	103	109	98	88	81	71
6020830839		CR 210153	60	50	45	23	32	39	23	36	12	0.87	-0.17	-7	5.7	2.1	49	11.1	47	-31	15.5	-1.2	-0.8	16.8	7	11	-0.32	-1.00	-1.35
CR 260066												63	48	23	50	45	39	44	35	8	38	35	22	40	38	37	12	11	11
CR 260071	1	CR 230092	107	116	91	79	120	113			110	108	92	125	116	91	98	119	113	113	102	114	124	110	111	113	108	97	93
6020830888		CR 190016	59	48	45	33	33	40			6	-0.36	0.27	35	21.5	-3.9	36	33.9	119	-53	12.3	-18.6	-8.9	20.9	8	26	1.60	-0.06	-0.13
CR 260071												63	45	33	48	45	42	44	29	5	31	37	23	38	31	30	7	6	6
CR 260074		TG 210233	98	114	108	98	103	115			105	98	99	99	114	108	120	110	107		119	110	91	108	107	108	103	96	102
6020830912		CR 200024	62	53	43	28	31	41			10	0.47	0.00	6	20.2	0.7	89	27.0	99		22.0	-15.6	-2.3	20.0	5	21	1.19	-0.11	0.40
CR 260074												66	47	28	53	43	41	36	25		27	35	19	40	27	26	10	9	8
CR 260075		ROCK210124	81	102	104	97	106	96			95	83	99	101	102	104	103	101	98	91	103	94	118	102	104	102	96	90	91
6020830920		CR 210028	59	55	43	30	32	41			6	1.73	-0.03	8	13.5	-0.4	50	19.4	65	-29	13.1	-3.1	-7.7	16.2	4	15	0.45	-0.48	-0.20
CR 260075												65	40	30	55	43	43	42	25	5	27	35	21	40	27	26	6	6	6
CR 260076		ROCK210124	81	102	112	92	98	92			91	82	102	106	102	112	108	99	95		100	98	97	102	106	99	90	84	
6020830938		CR 210154	54	46	37	9	21	32			5	1.83	-0.14	14	13.3	1.9	60	18.2	54		11.1	-5.8	-3.6	16.2	5	13	-0.09	-0.84	
CR 260076												60	33	9	46	37	31	28	10		11	19	12	33	10	10	5	5	
CR 260078		TG 210233	117	113	92	99	120	127			106	118	90	100	113	92	106	113	110	111	100	121	117	110	101	107	106	99	92
6020830953		CR 190125	62	53	44	29	31	41			10	-1.16	0.35	7	19.8	-3.8	55	29.0	108	-51	11.0	-24.0	-7.5	21.0	2	20	1.48	0.06	-0.13
CR 260078												66	47	29	53	44	42	35	28	5	31	33	21	40	31	30	10	9	8
CR 260079		ROCK210124	86	110	110	99	113	114			102	85	104	98	110	110	118	108	104		99	109	109	112	99	104	102	96	101
6020830961		CR 210001	58	54	42	28	30	40			5	1.54	-0.23	5	17.7	1.4	84	25.4	87		10.3	-14.8	-6.0	22.0	1	17	1.03	-0.11	0.37
CR 260079												64	38	28	54	42	41	41	23		26	34	19	38	26	25	5	5	5
CR 260083		CR 230092	86	109	101	90	100	94			97	89	95	109	109	101	105	109	102		100	97	98	106	109	102	96	84	74
6020830995		CR 210152	54	37	36	13	21	30			6	1.22	0.16	17	17.2	-1.0	54	25.8	79		11.1	-5.3	-3.7	18.2	7	16	0.42	-0.85	-1.19
CR 260083												59	37	13	37	36	29	30	20		24	21	13	30	24	22	6	5	5
CR 260084	1	ROCK210124	104	108	93	84	114	104			100	102	104	117	108	93	94	108	103		99	103	126	103	101	105	99	98	93
6020831001		CR 210093	58	54	43	30	32	41			6	0.16	-0.19	26	16.7	-3.4	28	25.0	84		10.4	-9.5	-9.3	16.7	2	18	0.78	-0.03	-0.10
CR 260084												64	39	30	54	43	42	42	25		26	36	20	40	26	26	6	6	6

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	
1	CR 240054	CR 240054	CR 210015	CR 200129	0.0	HH	0	0	0	6.4								
1	CR 210080	CR210080	CR 160021	CR 140066	0.0	HH	0	0	0	6.4								
2	CR 220026	CR220026	CR 190004	CR 190154	0.0	HH	0	0	0	6.4								
3	CR 230034	CR230034	CR 200015	CR 200129	0.0													
4	CR 230106	CR230106	BOS 199366	CR 180051	0.1													
5	CR 240006	CR 240006	CR 210015	CR 210100	0.0													
6	CR 240083	CR 240083	BOS 200011	CR 190125	0.8													
1	CR 160021	CR160021		CR 130036	0.0	HH	0	0	0	6.4								
2	CR 230025	CR230025	V8 190372	CR 200012	0.1													
3	CR 230043	CR230043	CR 200093	CR 190024	0.2													
4	CR 230047	CR230047	CR 160021	CR 190101	25.0													
5	CR 230083	CR230083	BOS 199366	CR 130006	0.0													
6	CR 240032	CR 240032	CR 210056	CR 210068	0.2													
7	CR 240033	CR 240033	CR 210056	CR 200010	0.3													
8	CR 240036	CR 240036	CR 210015	CR 200215	0.0													
9	CR 240048	CR 240048	CR 160021	CR 210164	0.0	HH	0	0	0	6.4								
10	CR 240079	CR 240079	BOS 200011	CR 190101	0.5													
11	CR 240085	CR 240085	BOS 200011	CR 190066	0.0													
12	CR 240146	CR 240146	BOS 199366	CR 180051	0.1													
1	BOS 199366	BOS199366	BOS 100048	BOS 122301	6.5	HH	0	0	0	6.4								
2	CR 230019	CR230019	CR 160021	CR 200206	0.0													
3	CR 230030	CR230030	CR 200015	CR 200040	0.0													
4	CR 230081	CR230081	BOS 199366	CR 180072	0.1													

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	
5	CR 230092	CR230092	BOS 199141	CR 170068	0.6									
6	CR 230093	CR230093	BOS 199366	CR 180041	1.5									
7	CR 230144	CR230144	V8 190372	CR 170098	0.2									
8	CR 240018	CR 240018	CR 210010	CR 210016	0.0									
9	CR 240061	CR 240061	BOS 199366	CR 200127	0.2	HH	0	0	0					
10	CR 240067	CR 240067	BOS 199366	CR 200030	0.0									
11	CR 240081	CR 240081	BOS 200011	CR 190154	0.0									
12	CR 240082	CR 240082	BOS 200011	CR 190085	0.1									
13	CR 240092	CR 240092	BOS 199366	CR 150006	0.2									
14	CR 240122	CR 240122	BOS 199366	CR 170058	1.0	HH	0	0	0					
15	CR 240125	CR 240125	CR 210080	CR 200104	0.0									
16	CR 240150	CR 240150	BOS 199366	CR 190079	0.0	HH	0	0	0					
1	CR 230084	CR230084	BOS 199366	CR 140074	0.0									
2	CR 230091	CR230091	BOS 199141	CR 160112	0.0									
3	CR 230099	CR230099	BOS 199366	CR 170031	0.0									
4	CR 230110	CR230110	BOS 199366	CR 140066	0.0									
5	CR 230111	CR230111	BOS 199366	CR 180104	1.0									
6	CR 240074	CR 240074	BOS 200011	CR 160049	0.3									
7	CR 240077	CR 240077	PD 200263	CR 140066	0.0									
8	CR 240091	CR 240091	BOS 199366	CR 150115	0.0									
9	CR 240093	CR 240093	BOS 199366	CR 190163	0.0									
10	CR 240116	CR 240116	BOS 199366	CR 180035	1.5									
11	CR 240119	CR 240119	PD 200263	CR 170144	0.0									
12	FRJ 200040	FRJ200040	FRJ 160077	FRJ 120124	0.2	HH	0	0	0					
13	PD 200263	PD20-0263	PD 170182	PD 170257	0.0	HH	0	0	0					

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	CR	190025	CR190025	SCH 150018	CR 160011	0.0					135	66	106	70	91	71	112	61	124	52	140	59	99	28	133	53	
2	CR	190125	CR190125	SCH 150018	CR 140078	0.0					126	71	106	70	96	74	98	52	133	51	136	59	99	30	129	53	
3	CR	200103	CR200103	SCH 150018	CR 130006	0.0					132	72	112	71	102	73	79	61	130	51	135	61	107	30	130	55	
4	CR	210001	CR210001	CR 180069	CR 180003	0.0					104	66	104	67	117	63	118	50	121	45	140	54	95	24	132	48	
5	CR	210011	CR210011	CR 180069	CR 180038	0.0					99	62	120	66	134	62	99	49	103	42	136	52	115	24	133	46	
6	CR	220009	CR220009	CR 180069	CR 190016	0.0					110	63	115	65	119	58	87	46	124	43	137	51	107	24	132	46	
7	CR	240009	CR 240009	CR 210056	CR 210001	0.2					129	58	105	62	108	44	92	35	124	34	134	44	97	24	127	40	
8	CR	240023	CR 240023	CR 210015	CR 210128	0.0					106	59	123	63	111	44	79	35	121	32	130	44	114	24	126	40	
											★★★★★☆☆																
1	CR	130006	CR130006			0.0					129	70	93	70	110	83	110	39	114	42	129	57					
2	CR	180051	CR180051	SCH 140256	CR 140072	0.0					62	70	133	74	155	76	60	58	109	51	124	61	137	34	125	56	
3	CR	190016	CR190016	SCH 150018	CR 160040	0.0					112	66	111	71	105	74	73	61	133	53	125	60	96	29	118	54	
4	CR	190101	CR190101	CR 160021	CR 150006	0.0					112	71	111	73	116	74	83	44	117	51	125	58	105	32	120	53	
5	CR	210005	CR210005	CR 180069	CR 180104	0.0					87	64	127	67	127	64	78	51	107	43	122	54	125	24	122	48	
6	CR	210128	CR210128	SCH 150018	CR 170008	0.3					109	68	126	70	103	68	66	60	130	50	129	58	105	29	124	52	
7	CR	220011	CR220011	CR 180069	CR 190071	0.0					105	65	114	65	123	58	94	41	100	42	123	50					
8	CR	220057	CR220057	V8 190372	CR 180039	0.2					126	65	102	66	93	57	103	43	118	43	124	51	101	23	118	45	
9	CR	230006	CR230006	CR 200015	CR 200131	0.0					120	61	109	61	89	43	102	35	124	40	128	45	95	22	121	40	
10	CR	230066	CR230066	CR 200015	CR 190016	0.0					93	58	119	62	106	46	84	35	120	36	121	44	100	24	115	40	
11	CR	240004	CR 240004	CR 210015	CR 210058	3.1					122	59	108	62	109	43	87	31	113	31	123	43	108	23	119	39	
12	CR	240030	CR 240030	CR 210015	CR 200089	3.1					115	59	109	63	113	45	89	31	113	32	124	43	108	24	120	39	
13	CR	240039	CR 240039	CR 210015	CR 210093	0.0					128	59	106	63	101	43	91	34	117	32	125	43	105	24	120	39	
14	CR	240073	CR 240073	BOS 200011	CR 130006	0.0					126	63	98	67	103	55	101	28	116	35	124	47	94	24	116	42	
15	CR	240113	CR 240113	CR 210015	CR 210003	12.5					124	58	102	62	116	41	108	24	98	29	125	41	105	22	120	37	
16	CR	240117	CR 240117	BOS 199366	CR 190025	1.6					100	64	104	67	105	52	116	39	109	42	120	49	103	26	115	44	
											★★★★★★																
1	CR	170058	CR170058	WO 140164	CR 130034	0.0					88	64	123	71	110	76	72	34	114	49	111	55	122	32	111	50	
2	CR	180015	CR180015	CR 150008	CR 150014	0.0					102	61	121	70	102	74	84	49	107	49	114	56	92	26	107	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											
Sorted on ID							nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc											
									★★★★★																		
3	CR	180041	CR180041	WO 140608	CR 150118	0.0					122	61	85	68	100	72	127	49	103	47	115	55	81	24	105	49	
4	CR	190024	CR190024	SCH 150018	CR 160129	0.0					124	63	108	70	81	73	89	60	124	50	118	58	97	28	112	52	
5	CR	190066	CR190066	CR 160021	CR 150109	0.0					114	71	93	70	114	72	109	49	110	50	119	58	81	26	109	52	
6	CR	190088	CR190088	CR 160021	CR 150021	0.0					101	71	99	72	97	74	122	52	101	51	110	59	83	23	101	52	
7	CR	190115	CR190115	CR 160021	CR 150014	0.0					106	70	107	71	113	73	96	43	101	52	113	57	89	24	105	50	
8	CR	200010	CR200010	CR 160021	CR 170080	0.0					96	70	102	72	99	71	118	49	106	51	112	58	80	30	103	52	
9	CR	200012	CR200012	CR 170085	CR 170017	0.0					87	66	126	66	119	63	80	35	103	43	115	51	120	22	114	45	
10	CR	200020	CR200020	CR 160021	CR 170062	0.0					112	70	116	71	88	70	89	51	111	52	112	58	108	26	109	52	
11	CR	200024	CR200024	CR 160021	CR 170028	0.0					93	71	105	71	127	71	97	46	100	50	113	57	94	24	106	50	
12	CR	200089	CR200089	BOS 100114	CR 160040	0.0					107	65	104	69	114	69	85	53	117	49	116	56	89	26	109	50	
13	CR	210036	CR210036	CR 180069	CR 180102	0.0					87	63	109	67	125	63	102	52	101	43	116	53	103	24	111	47	
14	CR	210051	CR210051	SCH 150018	CR 170142	0.0					126	69	99	67	98	67	88	59	121	48	118	57	93	26	111	51	
15	CR	210058	CR210058	BOS 100114	CR 160129	0.0					119	65	99	66	108	64	82	52	116	47	113	54	89	24	105	48	
16	CR	210093	CR210093	SCH 150018	CR 170020	0.0					131	67	105	68	85	65	83	59	120	50	114	57	92	26	107	51	
17	CR	210100	CR210100	SCH 150018	CR 170087	2.5					112	69	118	71	102	69	71	62	121	54	119	60	109	38	115	56	
18	CR	220021	CR220021	CR 160021	CR 190115	25.0					102	69	114	69	108	63	94	43	97	49	110	54	96	26	104	48	
19	CR	220046	CR220046	V8 190372	CR 180152	0.0					114	65	89	64	107	57	93	36	122	40	113	49	90	20	105	43	
20	CR	220066	CR220066	V8 190372	CR 180155	0.0					115	65	102	64	103	57	87	38	122	40	118	49	96	20	111	43	
21	CR	220078	CR220078	CR 190004	CR 170022	0.0					102	60	100	64	109	55	100	30	109	34	111	46	82	24	102	42	
22	CR	220140	CR220140	CR 190004	CR 160119	0.0					80	63	103	63	126	56	92	23	121	39	118	46	87	23	109	41	
23	CR	230004	CR230004	CR 160021	CR 190066	25.0					111	67	103	67	107	57	103	40	107	48	117	52	90	26	110	47	
24	CR	230009	CR230009	CR 200015	CR 190164	0.0					113	56	103	56	100	37	102	16	107	34	114	38					
25	CR	230015	CR230015	V8 190372	CR 200024	0.0					108	65	106	66	103	50	91	36	112	43	113	49	103	23	108	44	
26	CR	230057	CR230057	CR 160021	CR 190093	25.0					111	67	107	67	101	57	94	40	107	48	111	52	96	26	105	47	
27	CR	230061	CR230061	CR 200015	CR 200127	0.0					86	61	117	61	107	44	85	33	113	39	111	45	99	23	105	41	
28	CR	230105	CR230105	CR 160021	CR 190001	0.0					107	65	105	67	116	56	108	40	99	48	118	51	87	26	110	46	
29	CR	230108	CR230108	BOS 199366	CR 180003	0.0					70	66	113	68	111	54	107	37	109	46	111	51	95	26	105	46	
30	CR	240008	CR 240008	CR 210015	CR 210087	0.0					114	59	98	63	114	44	101	32	108	31	118	43	102	24	113	39	
31	CR	240034	CR 240034	CR 210010	CR 210126	0.0					89	57	119	61	116	42	89	33	108	32	117	42	105	27	113	39	
32	CR	240040	CR 240040	CR 210015	CR 210030	0.0					107	59	100	63	111	43	101	31	109	30	116	43	99	23	110	39	
33	CR	240043	CR 240043	CR 210015	CR 210157	0.0					115	54	98	58	116	38	98	17	102	21	113	36					
34	CR	240046	CR 240046	V8 190372	CR 210005	0.1					91	62	122	65	108	48	80	37	113	37	115	47	120	22	114	42	

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						
										★★★★★																
35	CR 240051	CR 240051	CR 210056	CR 200025	0.0					98	58	121	61	113	43	75	32	110	34	116	43	105	24	111	39	
36	CR 240080	CR 240080	BOS 200011	CR 180041	0.7					116	62	100	67	94	51	108	33	111	37	115	47	92	24	108	42	
37	CR 240084	CR 240084	BOS 200011	CR 180072	0.1					83	63	106	68	112	53	94	36	118	38	112	48	93	26	105	44	
38	CR 240086	CR 240086	BOS 200011	CR 190024	0.8					108	62	109	67	91	51	92	36	122	37	116	47	95	25	110	43	
										★★★★☆																
1	CR 140072	CR140072			0.0					87	66	96	65	151	80	73	29	100	34	103	51					
2	CR 140080	CR140080			0.0					113	67	89	67	114	82	95	29	106	40	105	53					
3	CR 170032	CR170032		CR 140080	0.0					106	63	92	68	121	74	98	15	93	42	100	50					
4	CR 170068	CR170068	WO 140164	CR 130033	0.0					102	69	111	72	88	77	83	32	115	51	102	56	114	23	101	49	
5	CR 180011	CR180011	WO 140608	CR 150115	0.0					123	66	84	71	104	75	115	49	95	50	103	58	70	20	92	50	
6	CR 180044	CR180044	CR 150008	CR 150119	0.0					112	62	108	70	88	72	95	48	105	46	105	55	94	27	99	49	
7	CR 190071	CR190071	CR 160021	CR 150115	0.0					106	72	102	71	106	74	94	49	100	51	103	59	83	26	95	52	
8	CR 190079	CR190079	CR 160021	CR 150116	0.0					98	71	110	72	96	74	103	49	95	49	101	58	101	30	97	52	
9	CR 190093	CR190093	CR 160021	CR 150085	0.0					97	69	100	69	113	71	90	48	108	49	104	57	91	27	98	51	
10	CR 190161	19 161	BOS 100114		0.0					109	59	98	58	109	68	81	32	117	40	108	48	88	28	100	44	
11	CR 200077	CR200077	OKT 160004	CR 150109	0.0					100	69	85	68	110	69	109	53	105	47	100	57	78	26	91	51	
12	CR 200082	CR200082	OKT 160004	CR 120047	0.0					97	69	92	69	125	67	98	44	97	47	101	55	80	28	93	50	
13	CR 200127	CR200127	BOS 100114	CR 160139	0.0					88	66	116	68	106	69	70	54	110	48	100	56	100	28	95	50	
14	CR 210017	CR210017	OKT 160004	CR 180072	0.0					76	68	104	71	125	67	89	57	115	49	109	58	93	29	103	52	
15	CR 210028	CR210028	OKT 160004	CR 180075	0.0					86	70	93	70	107	67	114	57	108	50	104	58	85	28	97	52	
16	CR 210068	CR210068	OKT 160004	CR 150011	0.0					99	66	87	69	115	66	119	53	91	47	100	56	72	31	89	51	
17	CR 210082	CR210082	OKT 160004	CR 140016	0.0					93	67	101	71	121	68	99	53	94	47	103	57	87	26	96	51	
18	CR 210087	CR210087	OKT 160004	CR 150116	0.0					95	68	93	69	113	67	99	53	106	46	101	56	87	28	94	50	
19	CR 210126	CR210126	SCH 150018	CR 170055	2.5					105	68	126	70	98	68	75	62	103	53	109	59	112	36	106	54	
20	CR 220081	CR220081	WO 180938	CR 150006	0.1					79	67	129	69	110	61	67	45	113	47	109	54	109	32	106	50	
21	CR 220083	CR220083	WO 180938	CR 140080	0.0					93	67	105	68	107	61	87	44	108	45	102	53	93	28	96	48	
22	CR 230022	CR230022	V8 190372	CR 200004	0.0					105	64	106	65	99	48	97	37	107	43	109	48	99	23	103	43	
23	CR 230078	CR230078	BOS 199366	CR 180027	0.1					72	64	105	66	119	52	104	35	98	45	100	49	91	26	94	44	
24	CR 230090	CR230090	BOS 199209	CR 160049	0.3					96	61	104	67	95	54	100	31	109	45	104	48	92	20	97	42	
25	CR 230101	CR230101	BOS 199366	CR 180011	1.5					88	66	97	67	109	54	117	35	94	45	101	50	90	24	94	45	

Selection List on Cow Value

Cows 2 years and older

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	
Sorted on ID							nt821	Q204X									
									★★★★☆								
26	CR 230109	CR230109	BOS 199366	CR 170128	0.0				9664	8864	11452	11823	10040	10546	8924	9842	
27	CR 230112	CR230112	BOS 199366	CR 170008	0.8				8066	10267	12453	9931	10046	10449	9026	9744	
28	CR 230148	CR230148	BOS 199366	CR 160119	0.0				8561	9364	12053	11528	9837	10346	8824	9642	
29	CR 240070	CR 240070	BOS 200011	CR 180011	0.7				11662	9367	10052	10333	10738	10847	8323	9942	
30	CR 240072	CR 240072	BOS 200011	CR 180027	0.5				7861	11866	10650	8433	10936	10346	9424	9742	
31	CR 240078	CR 240078	BOS 200011	CR 160112	0.0				8161	10865	11952	8525	10832	10344	9722	9840	
32	CR 240088	CR 240088	BOS 199366	CR 190123	1.6				8464	11066	11052	8935	11041	10648	11528	10544	
33	CR 240095	CR 240095	BOS 199366	CR 190016	1.6				8864	10467	11253	9439	11342	10950	10027	10445	
34	CR 240097	CR 240097	BOS 199366	CR 170102	1.5				7463	11367	10854	10927	9441	10247	10426	9843	
35	CR 240101	CR 240101	BOS 199366	CR 130036	0.0				9365	10068	11156	11432	9240	10249	9928	9845	
36	CR 240104	CR 240104	BOS 199366	CR 180015	0.1				8462	11067	10953	9936	10041	10349	10026	9944	
37	CR 240115	CR 240115	BOS 199366	CR 190093	0.0				7564	10467	11753	10436	10041	10249	10027	9745	
38	CR 240118	CR 240118	BOS 199366	CR 180155	0.0				8562	9864	11152	11128	10136	10346	9223	9741	
39	CR 240126	CR 240126	BOS 199366	CR 140080	0.0				8664	9866	11456	10629	9938	10048	9624	9543	
40	CR 240134	CR 240134	CR 210080	CR 200156	0.0				6957	12361	11746	7336	11333	10644	11424	10440	
41	CR 240139	CR 240139	BOS 199366	CR 180109	0.1				10362	9666	10153	12035	9440	10348	9126	9744	
									★★★★								
1	CR 150116	CR150116			0.0				10064	9664	10479	10234	9838	9652			
2	CR 160112	CR160112			0.0				8758	9359	13876	8525	9730	9746			
3	CR 170028	CR170028		CR 140076	0.0				9860	8967	11875	10321	9343	9450			
4	CR 170142	CR17142			0.0				12061	8353	11170	10232	9529	9746			
5	CR 180075	CR180075	SCH 140256	CR 110037	0.0				7365	10272	11176	10059	10452	9660	8725	8953	
6	CR 190060	CR190060	SCH 140256	CR 110033	0.0				7370	10671	11474	8858	10452	9460	8632	8754	
7	CR 190120	CR190120	SCH 140256	CR 140080	0.0				6970	11071	11672	8649	9850	9258	9526	8752	
8	CR 200040	CR200040	ENB 160138	CR 170055	0.0				6966	12166	13366	7951	8447	9555	10221	9248	
9	CR 210064	CR210064	BOS 100114	CR 160112	0.0				10365	10567	11266	8052	9646	9555	9724	9149	
10	CR 210084	CR210084	OKT 160004	CR 130036	0.0				9269	9671	12868	11554	7848	9957	9029	9351	
11	CR 210098	CR210098	BOS 100114	CR 160137	0.0				12464	9466	9865	9252	9446	9554	8324	8748	
12	CR 210108	CR210108	CR 180009	CR 160119	0.0				11757	7959	10750	10327	9931	9542			
13	CR 220055	CR220055	V8 190372	CR 160049	0.3				10367	10567	10259	8243	10245	9752	9524	9146	

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin nt821 Q204X F94L Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
											★★★				
14	CR 220073	CR220073	RLR 180027	CR 160112	0.0		101 65	100 65	103 58	91 39	105 41	99 50	95 26	94 45	
15	CR 220086	CR220086	RLR 180027	CR 170142	0.0		108 65	96 64	90 57	111 29	95 39	96 48	90 24	89 43	
16	CR 220087	CR220087	WO 180938	CR 140069	0.0		88 65	107 64	100 53	90 32	102 42	94 48	97 30	90 44	
17	CR 220094	CR220094	WO 180938	CR 140016	0.0		97 67	106 68	114 61	89 44	95 46	99 53	93 28	93 48	
18	CR 220095	CR220095	WO 180938	CR 150011	0.0		90 65	110 67	99 59	91 44	104 46	99 52	89 30	92 48	
19	CR 220103	CR220103	RLR 180027	CR 160134	0.0		96 61	101 64	109 56	103 37	92 38	99 48	99 24	94 43	
20	CR 220113	CR220113	OKT 160004	CR 150021	0.0		96 66	87 69	110 63	119 47	94 45	98 54	76 25	89 48	
21	CR 220123	CR220123	RLR 180027	CR 170124	0.0		115 62	87 63	95 57	117 37	96 32	99 47	82 24	91 42	
22	CR 230010	CR230010	CR 200093	CR 200113	0.1		96 59	108 60	87 42	89 32	114 39	99 43	91 22	93 39	
23	CR 230071	CR230071	V8 190372	CR 190163	0.0		113 62	93 62	103 48	98 25	98 37	98 44	92 22	92 40	
24	CR 230076	CR230076	BOS 199366	CR 180154	0.0		91 64	88 64	104 52	120 23	100 40	98 46	86 23	91 41	
25	CR 230080	CR230080	BOS 199366	CR 180152	0.0		77 64	96 64	114 52	112 25	100 41	99 46	92 23	93 41	
26	CR 230086	CR230086	BOS 199366	CR 180015	0.1		77 65	113 67	108 53	99 36	94 45	97 50	100 26	93 45	
27	CR 230104	CR230104	BOS 199141	CR 170144	0.0		87 63	109 63	101 49	94 20	101 38	97 44	93 21	92 39	
28	CR 240066	CR 240066	BOS 199366	CR 210084	1.2		78 64	103 67	119 52	115 36	86 41	98 49	103 27	95 45	
29	CR 240087	CR 240087	BOS 200011	CR 150110	0.0		76 61	109 65	117 52	83 25	102 32	96 44	96 23	91 40	
30	CR 240089	CR 240089	PD 200263	CR 160139	0.0		90 60	100 63	112 47	87 14	100 25	93 40			
31	CR 240096	CR 240096	BOS 199366	CR 160053	0.8		70 63	112 68	118 55	84 32	95 41	91 49	100 25	88 44	
32	CR 240100	CR 240100	PD 200263	CR 170008	0.0		87 61	111 65	113 47	81 20	101 32	99 43			
33	CR 240105	CR 240105	BOS 199366	CR 160113	0.0		84 62	90 64	120 52	112 23	91 35	94 45	98 26	90 41	
34	CR 240108	CR 240108	CR 210042	CR 170087	0.0		107 57	101 62	112 48	84 31	97 37	97 44	99 30	93 41	
35	CR 240114	CR 240114	PD 200263	CR 170137	0.0		98 60	96 63	104 46	95 7	98 23	92 38			
36	CR 240124	CR 240124	BOS 199366	CR 140074	0.0		86 63	94 66	113 55	115 25	94 37	98 46	91 27	91 42	
											★★★				
1	CR 160049	CR160049	VOVA130038	CR 120008	0.0		81 64	108 70	114 76	81 42	95 49	89 56	82 28	82 50	
2	CR 160053	CR160053	VOVA130038	CR 110045	0.0		68 65	108 73	125 79	66 43	98 49	82 58	86 20	76 50	

Selection List on Cow Value
Bull Calves younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin nt821 Q204X F94L Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
1	CR 260067	CR 260067	TG 210233	CR 190025	0.2		12561	11353	8943	10533	11732	13041			
1	CR 250086	CR 250086	BOS 200011	CR 190101	0.5		11164	10767	10652	8931	11737	12047	10026	11443	
2	CR 250124	CR 250124	CR 220026	CR 180051	0.0		7060	12764	13546	6931	11730	12244	12825	12240	
3	CR 250138	CR 250138	CR 220043	CR 210126	6.7		8658	13262	11543	6936	11733	12244	12226	12040	
4	CR 260017	CR 260017	CR 230083	CR 220009	6.7		11357	10647	11340	9528	11429	12537			
5	CR 260047	CR 260047	TG 210233	CR 200103	0.2		13162	11354	9344	8933	11931	12842			
1	CR 250023	CR 250023	PD 200263	CR 210001	0.0		9161	10964	10743	10026	11130	11442			
2	CR 250072	CR 250072	TG 210233	CR 180003	0.0		10261	11264	9046	9630	11634	11344			
3	CR 250075	CR 250075	TG 210233	CR 150006	0.1		11161	11964	10248	8026	11231	11843			
4	CR 250084	CR 250084	TG 210233	CR 200024	0.0		10862	11264	10344	9628	10432	11643			
5	CR 250109	CR 250109	CR 220026	CR 170058	0.0		8359	12064	11646	7720	12030	11742	11824	11538	
6	CR 250113	CR 250113	CR 220026	CR 210036	0.0		8258	11262	12541	9128	11327	11841	10822	11437	
7	CR 250121	CR 250121	CR 220026	CR 140072	0.0		8859	10863	13248	7617	11323	11340	11121	11036	
8	CR 250149	CR 250149	CR 220043	CR 190060	6.3		7259	12362	12146	7434	11732	11444	11125	11140	
9	CR 260009	CR 260009	CR 230093	CR 230006	0.5		11156	10145	9634	11325	11229	11835			
10	CR 260014	CR 260014	CR 230083	CR 230061	0.1		10257	10746	10635	9422	10828	11135			
11	CR 260020	CR 260020	CR 230083	CR 230009	0.0		11756	9944	10233	10518	10526	11433			
12	CR 260043	CR 260043	CR 230083	CR 230204	0.0		10355	10041	10835	10323	10527	11034			
13	CR 260056	CR 260056	TG 210233	CR 200020	0.1		12462	11253	8443	9430	10932	11541			
14	CR 260080	CR 260080	CR 230106	CR 190093	0.0		7258	12048	12845	8432	10532	11240	11020	10936	
1	CR 250025	CR 250025	BOS 199366	CR 220081	3.9		7963	11366	11449	8833	10340	10247	10728	9943	
2	CR 250029	CR 250029	PD 200263	CR 210017	0.1		7962	10765	11245	9029	10832	10144	10520	9839	
3	CR 250030	CR 250030	PD 200263	CR 220021	0.0		8162	11864	10543	8923	9932	10042			

Selection List on Cow Value

Bull Calves younger than 2 years

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									
Sorted on ID							nt821	Q204X	F94L										Genomic tested							
										★★★★☆																
4	CR 250032	CR 250032	BOS 199366	CR 210087	1.2					77	63	104	66	117	51	109	36	99	40	105	48	100	26	100	44	
5	CR 250038	CR 250038	BOS 199366	CR 210058	0.2					84	63	104	65	113	50	97	36	104	40	103	48	99	26	98	44	
6	CR 250050	CR 250050	BOS 199366	CR 220066	2.0					84	63	110	65	106	48	96	31	107	38	105	46	107	25	102	42	
7	CR 250055	CR 250055	CR 220048	CR 210161	0.0					89	52	115	55	99	34	85	19	110	23	104	35					
8	CR 250057	CR 250057	CR 220127	CR 210164	0.0					80	50	111	53	114	35	90	7	101	14	101	31					
9	CR 250078	CR 250078	TG 210233	CR 140066	0.0					97	60	104	63	107	48	90	20	111	25	107	41					
10	CR 250083	CR 250083	BOS 200011	CR 200077	0.5					99	63	95	66	105	50	100	34	111	36	105	47	87	24	98	42	
11	CR 250085	CR 250085	BOS 200011	CR 180104	0.7					88	62	129	67	93	52	75	35	114	37	108	47	118	24	107	42	
12	CR 250089	CR 250089	BOS 200011	CR 180011	0.7					119	62	92	67	100	52	105	33	107	37	108	47	81	23	100	42	
13	CR 250097	CR 250097	TG 210233	CR 200200	0.0					104	56	112	59	97	39	91	13	103	20	106	36					
14	CR 250102	CR 250102	BOS 199366	CR 200020	0.5					79	65	111	67	105	52	103	36	102	41	103	49	108	26	100	44	
15	CR 250122	CR 250122	CR 220026	CR 140074	0.0					93	59	100	63	116	47	93	12	111	23	108	39	93	22	102	36	
16	CR 250123	CR 250123	CR 220026	CR 210152	0.0					86	55	103	57	120	36	88	9	109	17	105	34	92	20	99	31	
17	CR 250132	CR 250132	BOS 199366	CR 180044	0.1					85	63	105	67	103	53	110	35	98	40	102	48	100	26	97	44	
18	CR 260006	CR 260006	CR 230083	CR 220073	1.2					106	57	100	47	105	40	98	25	104	28	106	37					
19	CR 260011	CR 260011	CR 230092	CR 230105	0.0					99	58	115	47	98	38	93	25	103	31	108	37					
20	CR 260016	CR 260016	CR 230083	CR 220081	2.0					86	59	115	48	109	41	83	28	109	31	106	39	108	20	103	35	
21	CR 260018	CR 260018	PD 200263	CR 230057	0.0					109	61	104	55	96	40	92	22	103	31	102	39					
22	CR 260023	CR 260023	PD 200263	CR 220140	0.0					78	60	109	54	113	40	91	14	110	28	105	37					
23	CR 260024	CR 260024	CR 230092	CR 230112	3.8					87	58	113	47	101	36	91	20	104	30	101	36					
24	CR 260026	CR 260026	CR 230092	CR 230108	3.6					74	58	123	47	97	37	93	22	108	30	105	36					
25	CR 260031	CR 260031	CR 230093	CR 220083	2.3					85	58	104	47	108	40	101	28	103	30	102	38					
26	CR 260032	CR 260032	CR 230093	CR 220201	0.0					77	53	102	39	113	34	106	20	103	24	102	32					
27	CR 260033	CR 260033	CR 230093	CR 230078	13.7					77	57	105	47	115	36	114	25	98	30	106	36					
28	CR 260037	CR 260037	CR 230093	CR 230010	0.5					93	56	103	45	97	33	102	24	106	28	101	35					
29	CR 260038	CR 260038	PD 200263	CR 230022	0.1					93	60	109	55	98	37	93	19	103	29	100	38					
30	CR 260044	CR 260044	PD 200263	CR 220021	0.0					93	62	113	56	103	42	92	23	98	31	101	40					
31	CR 260050	CR 260050	TG 210233	CR 170142	0.0					128	60	96	48	96	43	101	18	101	23	107	36					
32	CR 260052	CR 260052	TG 210233	CR 160049	0.1					107	61	109	53	98	45	90	26	101	31	103	40					
33	CR 260053	CR 260053	TG 210233	CR 200077	0.1					110	62	100	52	97	42	103	30	106	30	108	40					
34	CR 260055	CR 260055	TG 210233	CR 170137	0.0					107	60	101	48	101	43	100	13	101	21	103	35					
35	CR 260057	CR 260057	TG 210233	CR 200215	0.0					111	58	102	45	99	38	102	13	102	19	107	33					

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	Acc	Acc								
										★★★★☆															
36	CR 260061	CR 260061	ROCK210124	CR 210051	0.7					92	59	110	54	102	43	87	30	113	31	106	41				
37	CR 260062	CR 260062	TG 210233	CR 170068	0.2					119	62	110	54	84	46	91	21	111	31	109	40				
38	CR 260064	CR 260064	TG 210233	CR 200040	0.3					90	60	119	52	109	41	88	29	95	29	104	39				
39	CR 260070	CR 260070	BOS 199366	CR 220209	0.8					93	59	100	51	107	44	103	26	106	34	105	40	102	25	101	37
40	CR 260072	CR 260072	BOS 199366	CR 190071	0.0					82	65	103	59	112	53	110	36	95	41	100	47	95	26	95	43
41	CR 260077	CR 260077	CR 230092	CR 140072	0.0					85	59	112	46	116	47	79	21	104	26	101	37				
										★★★★															
1	CR 250013	CR 250013	PD 200263	CR 210108	0.0					98	59	94	62	104	39	97	16	100	26	93	39				
2	CR 250020	CR 250020	PD 200263	CR 220210	0.0					85	56	106	59	109	38	88	13	104	23	97	36				
3	CR 250034	CR 250034	BOS 199366	CR 210154	0.0					75	59	98	61	118	46	111	23	92	33	96	42	94	23	91	38
4	CR 250127	CR 250127	BOS 199366	CR 210153	0.0					84	60	96	61	112	46	110	23	91	33	94	42	95	23	89	38
5	CR 260012	CR 260012	PD 200263	CR 230104	0.1					94	60	107	54	97	37	92	12	100	27	95	36				
6	CR 260015	CR 260015	PD 200263	CR 230090	0.5					100	60	104	55	94	39	95	17	104	29	98	38				
7	CR 260019	CR 260019	PD 200263	CR 230203	0.0					101	56	103	46	100	31	87	10	105	21	97	31				
8	CR 260034	CR 260034	PD 200263	CR 230080	0.0					78	60	104	54	106	38	99	15	100	28	94	37				
9	CR 260045	CR 260045	PD 200263	CR 220086	0.0					94	61	104	54	94	40	98	16	97	28	92	38				
10	CR 260068	CR 260068	PD 200263	CR 220055	0.1					89	61	110	55	101	41	86	23	101	30	94	40				
11	CR 260069	CR 260069	ROCK210124	CR 200082	0.5					80	59	104	54	114	43	91	24	101	31	96	40				
12	CR 260073	CR 260073	BOS 199366	CR 230071	2.0					83	62	99	56	111	45	112	27	94	37	98	42	99	25	94	39
										★★★★☆															
1	CR 250106	CR 250106	BOS 199366	CR 210071	1.2					78	63	100	66	116	51	96	36	88	40	85	48	98	26	82	44

Selection List on Cow Value

Heifers younger than 2 years

ID Sorted on ID			Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin		Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc								
											★★★★★															
1	CR	250045	CR 250045	CR 220048	CR 210128	0.5					109	59	119	62	93	44	76	36	130	33	123	44	103	24	118	40
2	CR	250082	CR 250082	TG 210233	CR 190125	0.2					129	62	112	64	86	45	98	29	121	32	129	44				
3	CR	250096	CR 250096	TG 210233	CR 200103	0.2					127	62	118	64	92	45	87	33	120	32	129	44				
4	CR	250117	CR 250117	CR 220026	CR 190024	0.0					101	59	110	63	103	45	88	32	125	30	120	43	103	23	115	39
5	CR	260078	CR 260078	TG 210233	CR 190125	0.2					117	62	113	53	92	44	99	29	120	31	127	41				
											★★★★★															
1	CR	250005	CR 250005	BOS 199366	CR 220140	0.0					78	62	104	65	122	48	104	27	107	38	111	45	99	26	106	41
2	CR	250047	CR 250047	CR 220048	CR 210093	0.2					124	59	109	62	82	43	85	35	126	33	117	44	96	23	111	40
3	CR	250054	CR 250054	CR 220048	CR 220057	12.7					115	58	112	62	85	40	91	29	123	31	119	42	103	22	114	38
4	CR	250058	CR 250058	CR 220048	CR 210082	0.7					104	59	114	62	95	44	87	33	111	32	110	43	100	23	105	39
5	CR	250060	CR 250060	CR 220048	CR 200012	0.1					81	58	141	61	94	42	74	26	115	31	116	41	124	22	116	37
6	CR	250064	CR 250064	CR 220035	CR 220061	0.0					106	55	116	59	90	39	92	27	109	29	111	39	105	22	107	36
7	CR	250065	CR 250065	CR 220127	CR 210051	0.0					106	56	108	59	104	41	90	30	112	28	114	40				
8	CR	250066	CR 250066	CR 220014	CR 220205	0.0					112	49	106	53	117	33	88	16	110	20	119	33	101	20	114	30
9	CR	250087	CR 250087	BOS 200011	CR 180015	0.5					93	61	122	67	99	52	84	33	112	36	113	47	99	24	107	42
10	CR	250094	CR 250094	TG 210233	CR 200089	0.1					110	60	110	63	101	43	92	31	113	31	117	43				
11	CR	250118	CR 250118	BOS 199366	CR 210011	0.1					79	62	113	66	126	50	111	36	97	39	118	47	113	26	115	43
12	CR	250136	CR 250136	CR 220026	CR 210002	0.0					91	58	109	62	116	41	89	27	112	27	113	41	104	21	109	37
13	CR	250137	CR 250137	CR 220026	CR 170068	0.0					80	60	116	64	108	46	83	19	120	30	112	42	113	22	109	38
14	CR	250140	CR 250140	CR 220043	CR 150116	0.0					86	58	117	61	117	48	80	26	114	27	114	42	111	22	111	38
15	CR	250154	CR 250154	CR 220026	CR 190079	0.0					92	60	109	64	110	45	95	26	110	29	112	42	103	24	107	38
16	CR	260010	CR 260010	CR 230093	CR 220010	0.0					109	54	95	40	111	35	111	21	105	24	115	32				
17	CR	260022	CR 260022	CR 230083	CR 230004	0.0					112	58	101	48	107	40	106	27	106	31	116	38				
18	CR	260025	CR 260025	CR 230083	CR 230015	1.0					113	58	102	47	104	37	98	24	108	29	113	36				
19	CR	260029	CR 260029	CR 230093	CR 220203	0.5					109	53	98	39	105	34	100	20	110	24	111	32				
20	CR	260035	CR 260035	CR 230092	CR 220057	1.4					102	58	117	47	88	38	92	25	113	29	111	37				
21	CR	260036	CR 260036	CR 230083	CR 220046	1.0					109	58	96	47	108	40	99	24	113	28	113	37				
22	CR	260041	CR 260041	CR 230083	CR 230206	0.4					112	53	98	37	104	31	94	19	111	23	110	30				
23	CR	260048	CR 260048	TG 210233	CR 180011	0.3					126	61	98	53	93	45	108	29	101	31	111	41				
24	CR	260060	CR 260060	TG 210233	CR 190066	0.0					112	62	106	53	100	44	103	30	108	31	117	41				

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								
										★★★★★																
25	CR	260071	CR 260071	CR 230092	CR 190016	0.9					107	59	116	48	91	33	120	33	113	40						
26	CR	260074	CR 260074	TG 210233	CR 200024	0.0					98	62	114	53	108	43	98	28	103	31	115	41				
27	CR	260079	CR 260079	ROCK210124	CR 210001	0.0					86	58	110	54	110	42	99	28	113	30	114	40				
										★★★★☆																
1	CR	250009	CR 250009	PD 200263	CR 220046	0.1					99	61	105	64	99	41	88	19	111	28	103	41				
2	CR	250010	CR 250010	BOS 199366	CR 220010	0.0					94	60	99	62	115	45	109	27	101	35	109	43	106	25	106	39
3	CR	250016	CR 250016	PD 200263	CR 220203	0.0					88	57	112	60	104	37	86	13	111	23	105	36				
4	CR	250019	CR 250019	PD 200263	CR 220078	0.0					89	60	104	63	106	41	96	17	105	26	101	39				
5	CR	250036	CR 250036	PD 200263	CR 220011	0.0					96	61	117	64	106	42	89	22	100	29	108	41				
6	CR	250044	CR 250044	CR 220048	CR 220123	0.8					105	57	110	61	85	40	92	27	112	27	105	40	98	22	100	36
7	CR	250059	CR 250059	CR 220035	CR 220055	0.0					95	56	116	60	100	40	85	27	109	30	107	40	103	22	103	36
8	CR	250062	CR 250062	CR 220048	CR 200082	0.7					91	60	118	62	100	44	84	29	113	32	109	43	100	23	104	39
9	CR	250077	CR 250077	TG 210233	CR 170144	0.0					101	60	107	61	104	44	94	13	104	23	107	38				
10	CR	250080	CR 250080	BOS 200011	CR 160049	0.3					81	62	113	67	107	52	85	30	106	36	100	47	92	25	94	43
11	CR	250088	CR 250088	BOS 200011	CR 170137	0.0					99	61	94	64	109	51	98	21	106	29	101	43	86	20	94	38
12	CR	250091	CR 250091	TG 210233	CR 200040	0.3					84	60	128	62	105	42	83	29	96	30	105	42				
13	CR	250099	CR 250099	BOS 199366	CR 190066	0.0					87	65	97	67	116	53	116	36	101	41	109	49	94	27	102	45
14	CR	250104	CR 250104	PD 200263	CR 210005	0.0					88	60	120	64	110	44	83	26	103	29	107	42				
15	CR	250114	CR 250114	PD 200263	CR 190016	0.0					93	61	115	66	101	47	80	31	116	33	108	45	109	20	105	40
16	CR	250125	CR 250125	BOS 199366	CR 210084	1.2					78	64	104	67	120	52	114	36	85	40	100	49	103	27	96	45
17	CR	250126	CR 250126	CR 220026	CR 210163	0.0					86	54	100	57	116	36	93	9	109	17	103	33				
18	CR	250141	CR 250141	BOS 199366	CR 190071	0.0					81	65	99	67	115	54	113	36	96	41	101	49	92	26	95	44
19	CR	250142	CR 250142	BOS 199366	CR 170032	0.0					81	63	96	66	121	54	114	25	92	39	100	47	90	25	93	43
20	CR	260002	CR 260002	CR 230092	CR 230109	3.6					90	57	108	46	98	36	98	17	104	28	100	35				
21	CR	260013	CR 260013	CR 230092	CR 230214	0.4					113	53	108	37	88	29	86	17	112	23	105	30				
22	CR	260021	CR 260021	PD 200263	CR 230216	0.0					107	56	101	47	98	32	89	13	108	22	101	32				
23	CR	260027	CR 260027	CR 230093	CR 220095	2.3					93	57	103	47	102	39	105	29	101	30	102	38	94	20	96	34
24	CR	260030	CR 260030	PD 200263	CR 220066	0.1					108	61	103	54	98	40	89	20	111	28	105	38				
25	CR	260039	CR 260039	CR 230083	CR 230218	0.1					97	53	104	37	107	30	94	17	106	22	105	30				
26	CR	260040	CR 260040	CR 230083	CR 230101	13.7					97	58	99	47	108	38	113	23	99	30	107	37				

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	
										★★★★☆								
27	CR	260046	CR 260046	CR 220011	0.0					104	99	115	106	85	100			
28	CR	260051	CR 260051	TG 210233	0.0					96	106	108	97	103	106			
29	CR	260065	CR 260065	BOS 199366	0.1					73	107	117	103	97	100	97	95	
30	CR	260084	CR 260084	ROCK210124	0.7					104	108	93	84	114	104			
										★★★								
1	CR	250004	CR 250004	BOS 199366	0.0					75	100	115	105	100	97	98	93	
2	CR	250011	CR 250011	PD 200263	0.0					100	102	99	92	103	97			
3	CR	250018	CR 250018	PD 200263	0.0					96	105	104	90	98	96	104	93	
4	CR	250022	CR 250022	PD 200263	0.0					84	111	99	91	102	96	103	92	
5	CR	250027	CR 250027	PD 200263	0.0					109	101	93	93	105	99			
6	CR	250037	CR 250037	BOS 199366	1.2					79	95	113	119	93	97	93	92	
7	CR	250040	CR 250040	BOS 199366	0.0					82	95	110	114	93	94	92	88	
8	CR	250093	CR 250093	PD 200263	0.0					102	104	99	90	98	94			
9	CR	250098	CR 250098	BOS 199366	0.0					82	94	116	115	95	98	94	93	
10	CR	250103	CR 250103	BOS 199366	0.0					75	101	118	110	91	97	98	92	
11	CR	250116	CR 250116	BOS 199366	0.0					69	99	120	111	92	94	98	90	
12	CR	250120	CR 250120	PD 200263	0.0					99	99	100	95	96	90			
13	CR	250129	CR 250129	BOS 199366	0.0					75	100	118	108	92	95	96	90	
14	CR	250131	CR 250131	PD 200263	0.0					104	106	85	102	91	91			
15	CR	250133	CR 250133	BOS 199366	0.2					89	100	108	106	92	95	96	90	
16	CR	260004	CR 260004	CR 230093	2.3					87	104	104	103	100	99	98	94	
17	CR	260005	CR 260005	PD 200263	0.0					89	99	101	104	100	94			
18	CR	260028	CR 260028	PD 200263	0.0					98	104	98	87	104	95			
19	CR	260042	CR 260042	PD 200263	0.0					94	107	104	90	97	95	105	93	
20	CR	260054	CR 260054	TG 210233	0.1					90	113	105	81	102	98			
21	CR	260058	CR 260058	CR 230092	3.6					92	117	92	91	101	99			
22	CR	260063	CR 260063	BOS 199366	0.0					87	95	118	112	91	99	92	93	
23	CR	260066	CR 260066	BOS 199366	0.0					94	89	113	114	90	94	91	89	
24	CR	260075	CR 260075	ROCK210124	0.5					81	102	104	97	106	96			
25	CR	260076	CR 260076	ROCK210124	0.0					81	102	112	92	98	92			

Selection List on Cow Value

Heifers younger than 2 years

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	
26	CR 260083	CR 260083	CR 230092	CR 210152	0.0														
1	CR 260059	CR 260059	ROCK210124	CR 210150	0.0														

	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.

