

BEEFMASTER

GENOMIC BREEDING VALUE REPORT

September 2026



NEWBORN BEEFMASTERS

Herd Number: 703541

E-mail: snewborn8@gmail.com
newies@snowvalley.co.za



BEEFMASTER
CATTLE BREEDERS' SOCIETY OF SA
BEESTELERSGENOOTSAP VAN SA



EBVs, EBVi's and GEBVs

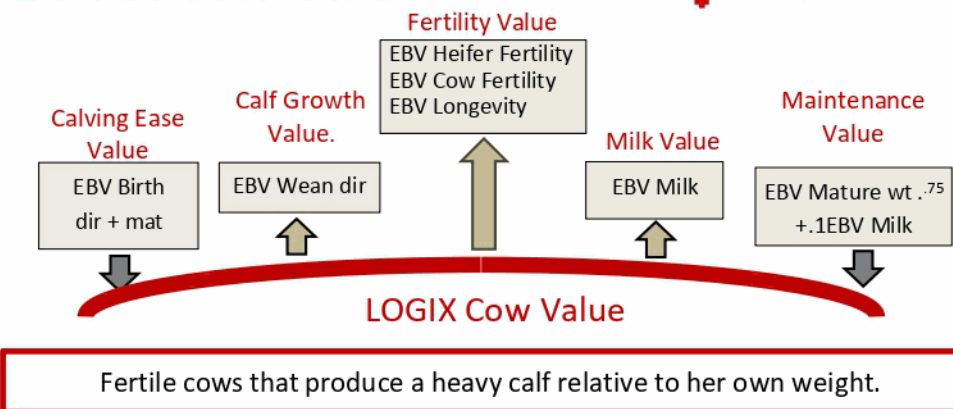
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

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

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

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

LOGIX Cow Value



Selection Values

LOGIX Cow Value



Selecting for:

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

LOGIX Growth Value



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

LOGIX Production Value



80% LOGIX Cow Value +
20% LOGIX Growth Value

LOGIX Carcass Value



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

How to use the Cow Value

Selection values should be compatible with your selection goal.

AVERAGE ANIMALS

(NO GROWTH EXTREMES)

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

GROWERS

(GOOD ENVIRONMENT)

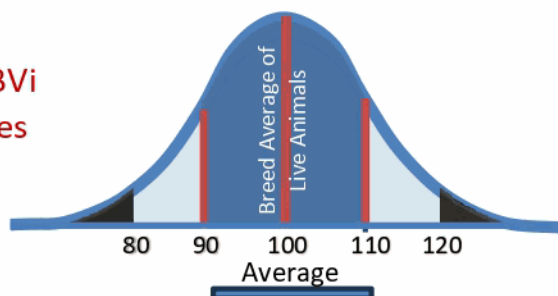
- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

LOW- MAINTENANCE ANIMALS

(HARSH ENVIRONMENT)

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

Interpretation of EBVi and Selection Values



Examples

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

Contemporary Groups

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

1. Animals at the same time, place and treatment

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

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

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

3. Larger groups stabilise Breeding Values

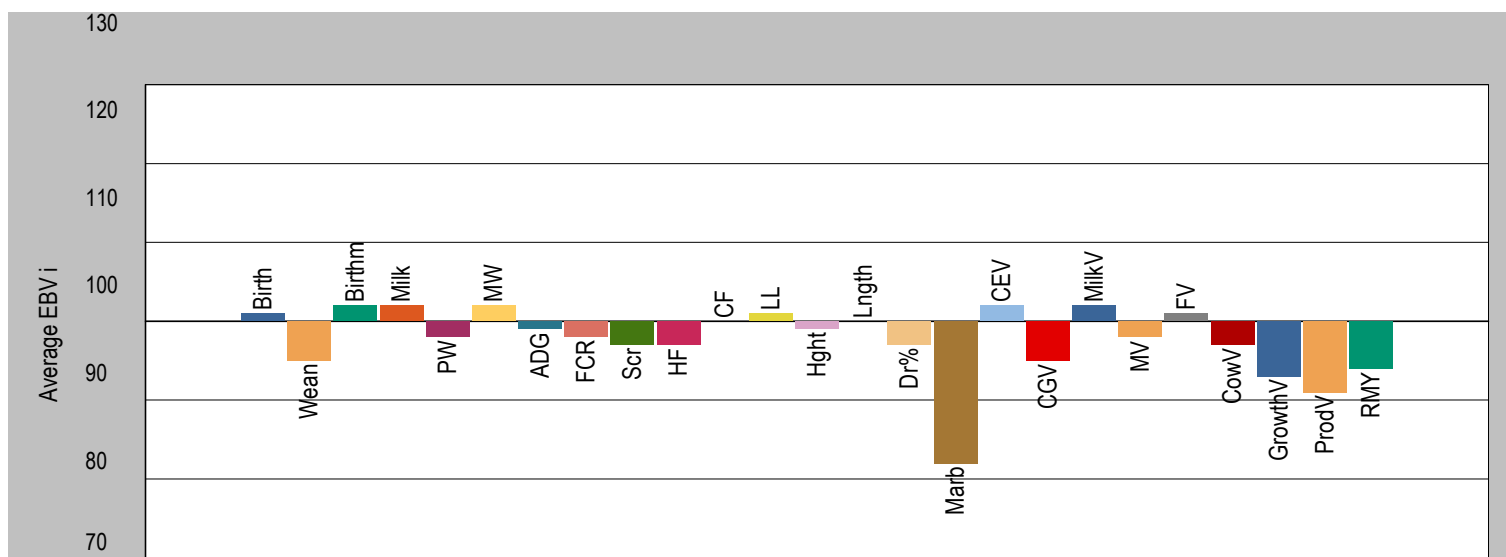
Larger groups result in more accurate and stable breeding values, as the mean and distribution of the group can be more accurately determined and are thus more representative. Groups should preferably have more than 5 animals. Weigh all the animals in the same group on the same day, as corrections for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

4. Measure all animals in the contemporary group

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



Herd and Breed Averages



Breeding Values:

Birth:	Birth weight	Scr:	Scrotal circumf.
Wean:	Weaning weight	HF:	Heifer Fertility
Birthm:	Birth maternal	CF:	Cow Fertility
Milk:	Milk	LL:	Longevity
PW:	Post-wean weight	Hght:	Height
MW:	Mature weight	Lngth:	Length
ADG:	Average Daily Gain	EMA:	Eye Muscle Area
FCR:	Feed Conversion Ratio	RMY:	Carcass Value
		Marb:	Marbling

Selection Values:

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

	Trait	EBV Herd	EBV Index	EBV Breed
Prewrite Growth	Birth Weight	0.22	101	0.34
	Wean Weight	9.1	95	12.1
	Birth Mat.	-0.15	102	-0.05
	Milk (Wn.Mat.)	-1.0	102	-1.4
Postwean Growth	Postwean Wt	17.4	98	19.0
	Mature Weight	9	102	7
	ADG	68	99	72
	FCR	-37	98	-39
Fertility	Scrotal Circumf.	9.3	97	11.1
	Heifer Fertility	-4.7	97	-7.5
	Cow Fertility	-4.1	100	-4.1
	Longevity	15.3	101	14.8
Frame	Height	1	99	1
	Length	13	100	13
Carcass	EMA	0.71	99	0.85
	Fat	-0.66	87	0.11
	Marbling	-0.75	82	0.30

Selection Value	Ave. Herd
Calving Ease	102
Calf Growth	95
Milk	102
Maintenance	98
Fertility	101
Cow Value	97
Growth Value	93
Production Value	91
Carcass Value	94

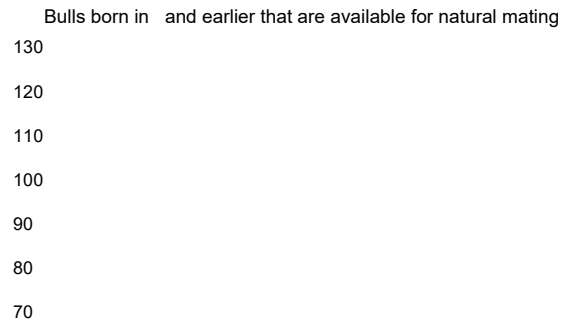
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

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

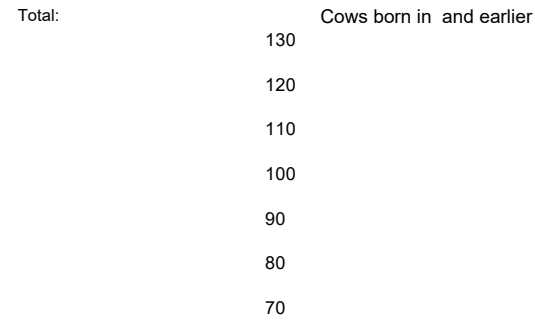
Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve

Genetic Windows

Bulls on the farm



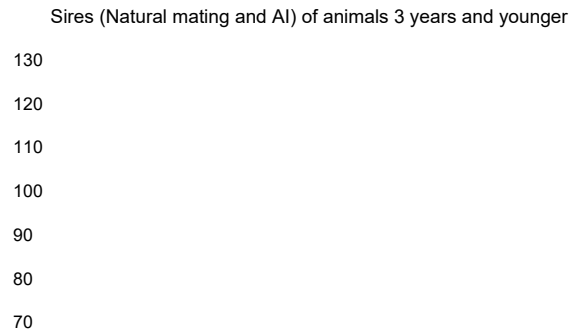
Animals available for breeding



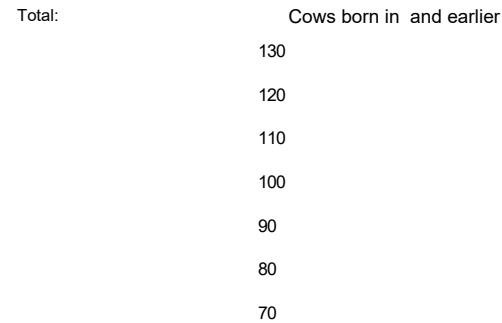
Cow Herd

Total:

Sires of young animals



Results of previous selection decisions

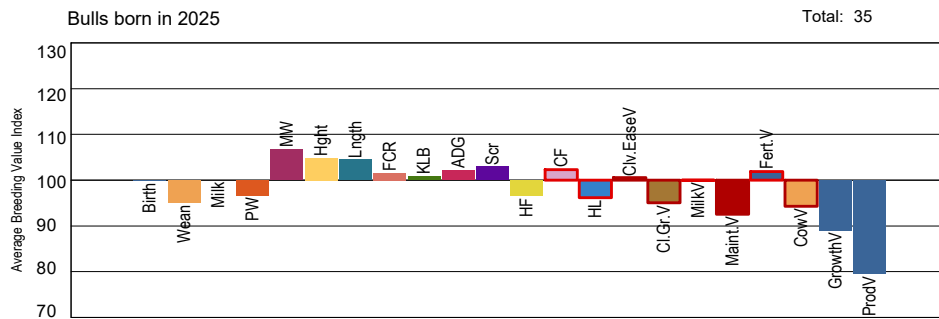


Cows older than 6 years

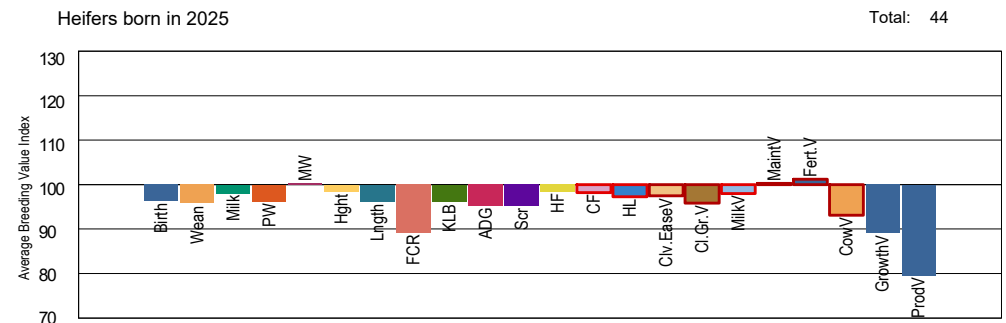
Total:

Selection possibilities

Bull calves



Heifer calves

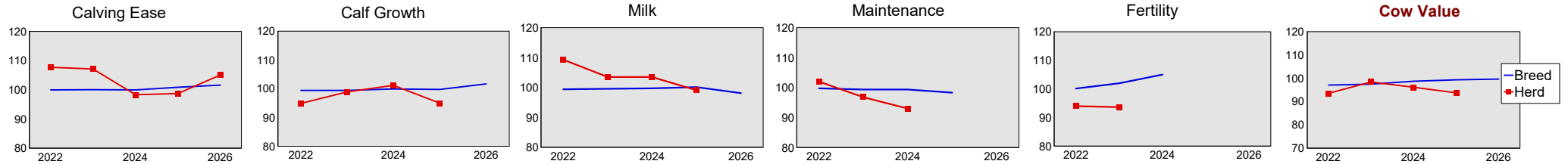


Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				Fertility				Frame		
Birth Year	No. Cows	Average Cow Value	Calving Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat)	Postwn Weight	Mature Weight	ADG	Kleiber	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	
Cows in Breed Average:			100	99	100	101	100	100	99	100	100	99	99	100	99	99	99	99	99	99	100	100	100	99	99
2016	5		120	82	97	106	98				116	82	105	97	86	94				103		100			
2018	10		113	84	102	118	100				111	84	101	102	82	85				97		111			
2019	17		102	86	108		94				105	86	88	108	86					92		93			
2020	15		102	86	115						105	86	88	115	85					92		95			
2021	19		101	86	114						105	86	87	114	85							92			
2022	21	★★★★	109	88	106	96	92	94	82	84	110	88	95	106	93	102	90	91	112	97	86	99	100	92	
2023	36	★★★★	102	100	104	98	94	95	91	89	102	100	101	104	101	101	97	98	88	89	93	102	92	96	
2024	18	★★★★	98	103	100	94	103	98	89	96	97	103	106	100	102	105	97	96	95	96	98	113	105	102	
2025	44	★★★★	97	96	98	100	101	93	89	80	96	96	108	98	96	100	95	96	95	98	98	97	99	96	
2026	10	★★★★☆	107	98	94	103	103	100	95	94	106	98	107	94	97	97	100	101	98	97	104	106	92	96	
Cows in Herd Average:			105	91	104	102	98	96	89	89	105	91	99	104	91	98	96	96	98	96	96	101	98	96	

Genetic Trends for On-Farm Traits

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



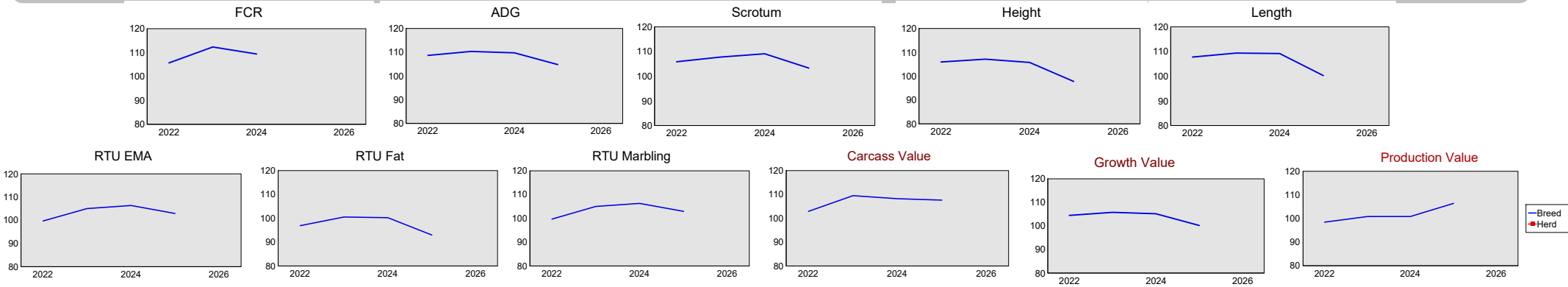
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility								Cow Value
	Birth Weight		Calv. Ease	Mat EBV	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Maine- nance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity		
	Number	Dir EBV			Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	
2022	53	-0.20	-0.08	108	52	9.2	95	52	1.19	109	3	11.5	4	4	102	3	-6.6			33	14.6	94	94
2023	62	-0.15	-0.25	107	60	11.5	99	60	-0.44	104	30	22.2			97	16	0.9					94	98
2024	73	0.53	-0.21	98	68	12.8	101	68	-0.42	104	22	20.4			93								96
2025	80	0.55	-0.31	99	73	9.2	95	73	-1.66	99													94
2026	36	0.15	-0.52	105																			

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility								Cow Value
	Birth Weight		Calv. Ease	Dir EBV	Mat EBV	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity			
	Number	EBV				Number	EBV		Number	EBV	Milk	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	EBVi			
2022																									
2023																									
2024																									
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. 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																													
BOS 122163		BOS 055045 BOS 088537	107	91	85	125	111	108	91	102	101	91	122	85	85	76	88	70	92	108	109	111	72	86	92	110	95	24	174	
BOS122163			87	97	92	53	81	76	45	70	0.26	7.0	-0.92	-5.8	7.7	-20	29	-7	6.3	-13.8	-5.8	21.5	-15	0	0.06	0.68	0.01	2	51	116
BOS 144451		BOS 099110 BOS 099053	94	108	89	109	142	143	97	135	94	108	138	89	111	93	105	99	87	136	149	132	70	105	110	124	104	2	305	
BOS144451			96	99	97	95	97	89	94	90	0.83	17.0	-1.54	-4.4	27.3	-1	92	-38	3.6	-35.7	-13.9	34.8	-16	18	1.86	1.48	0.54	2	73	216
BOS 166103		BOS 066337 BOS 088340	74	124	89	83	106	93	117	93	79	124	93	89	126	119	125	114	112	119	100	99	86	114	124	156	131	107	81	
BOS166103			96	96	93	91	92	86	92	87	2.12	25.9	0.23	-4.6	39.2	29	163	-54	17.9	-22.6	-4.1	14.4	-7	27	3.24	3.35	2.08	15	10	12
BOS 166105		BOS 066337 BOS 100119	73	116	106	84	93	87	100	84	73	116	103	106	114	116	113	103	90	92	76	117	109	125	114	103	130		40	
BOS166105			76	91	82	52	71	69	36	62	2.57	21.2	-0.16	0.2	30.0	26	119	-42	5.5	-1.0	0.8	25.3	7	37	2.21	0.29	1.98	1	18	31
BOS 166188		BOS 133097 BOS 133299	70	103	64	101	112	75	116	75	71	103	143	64	107	99	111	102	97	98	119	110	80	95	109	96	100	331	302	
BOS166188			99	99	98	98	98	90	97	91	2.76	13.8	-1.77	-11.5	24.7	6	111	-41	9.5	-5.8	-7.8	21.2	-10	9	1.70	-0.15	0.30	4	47	71
BOS 177177		BOS 144451 BOS 144091	87	114	81	92	142	123	109	119	86	114	132	81	115	108	112	105	102	131	149	128	97	111	114	123	102	145	124	
BOS177177			96	96	92	89	90	85	88	86	1.46	19.9	-1.34	-6.7	30.9	16	114	-44	12.1	-31.7	-13.9	32.2	0	24	2.22	1.43	0.41	15	18	
BOS 177341		BOS 122163 BOS 077214	81	96	108	116	103	102	89	95	81	96	132	108	99	85	95	92	96	91	117	100	99	92	94	112	99	196	129	
BOS177341			94	96	87	82	87	82	82	82	1.91	9.7	-1.30	0.8	18.4	-10	53	-30	8.6	-0.4	-7.4	14.7	1	6	0.29	0.78	0.25	11	14	
BOS 177663		BOS 100441 BOS 100738	86	122	91	85	85	84	114	84	83	122	112	91	123	116	120	114	102	72	89	103	71	103	145	37	68	134	118	
BOS177663			96	97	93	92	92	86	92	87	1.72	24.6	-0.54	-4.0	37.1	25	145	-54	12.1	14.7	-1.8	16.8	-15	16	5.28	-3.58	-1.53	28	16	22
BOS 188154		BOS 155327 BOS 166611	70	122	71	94	107	87	90	81	72	122	143	71	113	106	107	110	121	87	110	117	93	111	124	103	111	494	467	
TOP GUN BOS 18 8154			99	99	97	97	97	90	97	91	2.63	24.6	-1.77	-9.6	29.1	14	98	-50	23.1	2.8	-6.1	25.2	-2	24	3.17	0.25	0.93	86	33	38
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 199424		BOS 155326 BOS 066150	88	126	79	79	119	104	120	103	83	126	120	79	125	125	127	125	126	97	118	126	115	122	119	126	119	138	120	
BOS199424			97	97	95	94	94	87	94	88	1.73	27.1	-0.86	-7.4	38.7	36	171	-66	26.2	-5.4	-7.8	31.1	10	34	2.67	1.61	1.36	5	3	3

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.	
BOS 166105 200298 BOS 144480			77	122	99	80	111	101	110	99	70	122	112	99	119	123	118	105	111	106	99	122	131	133	116	98	127	123	119	
BOS200298			95	96	90	84	86	83	84	83	2.82	24.7	-0.53	-1.6	33.5	33	138	-45	17.1	-11.9	-3.8	28.2	19	45	2.47	-0.02	1.82			
BOS 177146 200463 BOS 166318			103	122	88	91	128	128	100	121	97	122	118	88	122	108	109	103	113	107	140	118	102	120	118	116	105	245	183	
BOSTON BOS 20 0463			97	98	96	94	95	88	94	89	98	98	95	96	96	94	94	94	94	95	94	96	94	94	94	94	94	94		
S 177023 211172 BOS 122381			76	134	83	74	106	95	123	96	53	134	129	83	127	132	129	125	110	99	103	113	122	127	121	101	122	12	11	
BOS211172			86	88	85	81	83	78	80	78	4.28	31.7	-1.21	-6.1	40.2	44	179	-67	16.6	-6.3	-4.6	22.9	14	39	2.89	0.18	1.55			
BOS 188154 NEW 230028 NEW 190001			73	128	91	90	105	102	113	100	67	128	137	91	125	110	123	120	117	91	108	113	106	122	131	109	121	3		
23-028			85	85	83	81	82	76	81	77	3.05	28.5	-1.51	-3.9	38.4	18	156	-61	20.7	-0.1	-5.6	23.1	5	34	3.89	0.65	1.48			
GH 160402 PB 160168			113	94	121	93	106	112			111	94	103	121	96	104				119	104	95						65	67	
pb190051			86	91	69	34	47	62			-0.54	8.9	-0.18	4.6	15.7	12				-22.2	-4.8	11.7						10	10	
BOS 133179 S 177023 BOS 144488			79	126	81	76	109	92	116	92	64	126	120	81	121	129	120	115	105	91	107	121	109	118	111	92	121	12	121	
177023			95	97	95	92	94	87	92	88	3.31	27.2	-0.85	-6.6	34.9	41	145	-55	13.9	-0.6	-5.5	27.8	7	30	1.95	-0.34	1.51			
BOS 090163 SB 12171M			111	104	99	93	103	105	101	101	150	104	143	99	109	105	110	102	57	113	91	106	76	103	118	51	104	103	97	
SB12171M			95	96	93	91	90	85	88	86	-3.84	14.6	-1.77	-1.6	26.4	13	109	-42	-13.6	-17.3	-2.3	18.5	-13	16	2.58	-2.76	0.50	103	97	
VOVA120076 SB 120138			120	96	120	83	87	96	75	87	118	96	98	120	93	117	95	101	136	87	93	92	113	104	88	101	71	22	21	
SB170563			79	82	65	54	58	63	47	60	-1.18	9.7	0.03	4.1	13.8	26	55	-40	31.5	2.5	-2.6	9.6	9	17	-0.30	0.19	-1.36	2	2	
SB 12171M SB 170212			130	110	119	92	91	121	112	117	124	110	109	119	117	105	119	113	58	82	94	103	97	115	119	84	103	149	133	
SB190655			94	96	86	85	86	82	86	83	-1.67	17.6	-0.41	3.9	32.3	13	142	-53	-13.0	6.9	-2.9	16.8	0	27	2.69	-0.82	0.45	7	6	
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			
BOS 188154 4 FXF 10041F			86	106	103	91	98	92	88	86	84	106	128	103	97	107	102	101	96	90	97	108	88	105	114	98	106	4		
230014			86	86	85	82	83	77	84	78	1.63	15.8	-1.17	-0.5	17.0	16	79	-40	8.6	0.0	-3.5	19.5	-6	18	2.24	-0.03	0.65			

Sires

Bull		Selection Values								Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire 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																												
VOVA230280	BOS 188650 VYF 140095	230280	127	94	76	106	96	93	108	91	139	94	103	76	93	94	120	124	116	87	103	100	91	102	120	96	105	9	
			64	57	48	28	41	44	39	43	-2.87	8.8	-0.16	-8.1	13.8	1	144	-66	20.5	2.7	-4.6	15.0	-4	15	2.81	-0.10	0.57		
WO 140179	WO 120232 WO 080164	140179	89	127	110	75	79	91	135	95	85	127	114	110	137	129	137	124	153	96	43	112	104	119	122	118	103	360	319
			99	99	99	98	98	90	98	92	1.57	27.9	-0.61	1.4	47.9	40	207	-66	41.2	-4.5	7.4	22.3	3	31	3.01	1.16	0.48	5	91

Growth Tests

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

Animal			Cow Value	Weight		Frame				Growth				Carcass			
Test Code	Sex	Test no		Wean dir	End- weight	Length	Height	Length/ Height	Scrotum	Intake	ADG	FCR	Growth Value	EMA	Fat	Marbling	Carcass Value
202003 D11 M			0627683BMA														
DWEN		SB 190655 88944111	SB 12171M SB 170212	121	110	115	97	130	58	86	119	113	112	119	84	103	112
				82	96	31	0	1.20	-13.0	0.38	142	-53	86	2.69	-0.82	0.45	81

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID		Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name				Calv. Ease	Calv Growth	Milk	Maint.	Fertility	Cow	Growth	Prod.	Carcass	Birth wt	Birth mat	Mature	Wean	Wean	Cow-Calf	Postwean	ADG	FCR	Scrotal	Heifer	Cow	Longevity	Height	Length	EMA	Fat	Marbling
AHD 140147 81463846 140147		AHD 100113		83 94	120 94	69 91	83 85	93 88	74 83	112 83	74 83	115 83	80 2.02 95	116 -0.70 91	121 31 85	120 23.9 94	69 -10.0 91	87 11 90	125 38.7 92	114 121 83	104 -43 83	107 15.1 83	81 7.4 89	109 -5.8 84	93 10.5 92	103 3 83	114 27 83	117 2.55 83	98 0.00 83	111 0.94 83
BOS 177177 86336104 BOS177177	2	BOS 144451 BOS 144091		87 96	114 96	81 92	92 89	142 90	123 85	109 88	119 86	112 88	86 1.46 97	132 -1.34 91	108 16 89	114 19.9 96	81 -6.7 92	94 28 92	115 30.9 94	112 114 88	105 -44 87	102 12.1 89	131 -31.7 91	149 -13.9 88	128 32.2 92	97 0 89	111 24 88	114 2.22 88	123 1.43 88	102 0.41 87
SB 190655 88944111 SB190655		SB 12171M SB 170212		130 94	110 96	119 86	92 85	91 86	121 82	112 86	117 83	112 81	124 -1.67 96	109 -0.41 87	105 13 85	110 17.6 96	119 3.9 86	121 92 89	117 32.3 88	119 142 88	113 -53 81	58 -13.0 90	82 6.9 87	94 -2.9 82	103 16.8 89	97 0 90	115 27 90	119 2.69 81	84 -0.82 81	103 0.45 81
BOS 200298 91222695 BOS200298	6	BOS 166105 BOS 144480		77 95	122 96	99 90	80 84	111 86	101 83	110 84	99 83	118 83	70 2.82 96	112 -0.53 91	123 33 84	122 24.7 96	99 -1.6 90	110 66 90	119 33.5 89	118 138 84	105 -45 83	111 17.1 84	106 -11.9 85	99 -3.8 84	122 28.2 88	131 19 84	133 45 84	116 2.47 83	98 -0.02 83	127 1.82 83
BOS 211172 92551381 BOS211172	3	S 177023 BOS 122381		76 86	134 88	83 85	74 81	106 83	95 78	123 80	96 78	127 81	53 4.28 87	129 -1.21 83	132 44 81	134 31.7 88	83 -6.1 85	106 56 85	127 40.2 84	129 179 81	125 -67 80	110 16.6 81	99 -6.3 84	103 -4.6 82	113 22.9 84	122 14 81	127 39 81	121 2.89 81	101 0.18 81	122 1.55 81
NEW 230007 96474895 23-007		BOS 166103 NEW 180084		90 84	121 84	79 82	91 80	113 81	102 75	109 80	100 76	110 80	85 1.59 85	117 -0.72 82	109 18 80	121 24.2 84	79 -7.4 82	99 39 82	123 36.9 82	114 123 81	102 -42 79	118 21.3 81	116 -19.8 81	109 -5.9 79	107 19.2 82	99 1 81	110 23 81	117 2.52 80	130 1.83 79	124 1.66 79
NEW 230011 96471875 23-011		BOS 199209 NEW 180032		101 84	109 85	93 83	102 81	116 82	116 76	100 80	110 77	102 80	99 0.42 84	106 -0.29 82	97 3 81	109 17.4 85	93 -3.3 83	104 52 83	111 27.6 84	101 74 81	89 -27 80	108 15.4 81	118 -21.9 82	111 -6.2 81	110 21.2 83	104 4 81	108 21 81	105 1.35 80	108 0.56 80	118 1.34 80
NEW 230014 96474853 23-014		BOS 177663 NEW 180057		83 83	119 84	93 82	81 79	110 80	99 75	104 80	96 76	107 79	82 1.80 84	130 -1.24 81	121 31 79	119 23.4 84	93 -3.4 82	104 51 82	121 35.0 82	109 105 80	101 -41 78	96 8.7 81	99 -6.5 80	117 -7.4 78	108 20.0 81	90 -4 81	107 20 81	124 3.22 79	58 -2.36 79	89 -0.31 79
NEW 230016 96478201 23-016		BOS 199209 NEW 160106		125 83	92 84	82 82	112 80	110 81	107 75	98 80	102 76	91 79	117 -1.05 83	121 -0.89 81	91 -3 80	92 7.5 84	82 -6.6 82	77 -11 82	98 17.5 82	101 75 80	92 -30 79	99 10.7 80	111 -16.4 81	104 -4.9 80	110 21.0 82	93 -2 80	95 8 80	98 0.63 79	84 -0.84 79	106 0.64 79
NEW 230024 96456306 23-024		BOS 177663 NEW 190013		81 83	124 84	90 82	85 79	103 80	97 75	122 80	98 76	120 79	81 1.92 84	106 -0.28 81	116 25 79	124 26.0 84	90 -4.1 82	108 61 82	128 40.8 82	125 164 80	115 -55 78	106 14.5 81	88 2.0 80	112 -6.5 78	106 18.4 81	92 -3 81	116 29 81	139 4.68 79	53 -2.62 79	94 -0.05 79
NEW 230028 96478227 23-028		BOS 188154 NEW 190001		73 85	128 85	91 83	90 81	105 82	102 76	113 81	100 77	128 80	67 3.05 86	137 -1.51 83	110 18 81	128 28.5 85	91 -3.9 83	116 80 83	125 38.4 84	123 156 82	120 -61 80	117 20.7 82	91 -0.1 81	108 -5.6 81	113 23.1 83	106 5 83	122 34 82	131 3.89 80	109 0.65 80	121 1.48 80
NEW 230057 96679204 23-57		PB 190051 NEW 200016		106 81	108 82	111 79	90 77	121 78	124 73	108 76	120 74	106 76	102 0.20 82	112 -0.52 79	109 17 77	108 16.7 82	111 1.6 79	111 69 79	109 26.4 79	111 110 76	103 -42 76	100 11.3 76	131 -32.1 78	117 -7.5 76	105 17.7 79	116 11 76	109 22 76	108 1.68 76	93 -0.31 76	110 0.85 76

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			Calv. Ease	Calf Growth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
NEW 240008 98124449 24-008		BOS 199424 NEW 210008	101 58	105 61	93 47	90 21	108 29	99 41			98 14	98 0.48 62	108 -0.36 42	109 17 21	105 15.0 61	93 -3.3 47	94 29 43	106 23.5 49	102 80 30	107 -47 5	106 14.6 34	97 -5.0 29	102 -4.5 17	118 25.8 41	106 5 34	102 15 33	95 0.38 14	99 0.07 13	84 -0.59 13
NEW 240014 98124498 24-014		BOS 188154 NEW 180065	103 63	92 64	82 57	105 30	109 37	92 47	78 27	83 43	87 10	102 0.13 65	136 -1.50 55	95 1 30	92 7.5 64	82 -6.6 57	76 -14 50	87 9.2 52	86 23 47	92 -30 6	98 10.2 48	98 -6.1 40	98 -3.8 26	123 28.8 45	88 -5 48	90 4 48	92 0.11 10	87 -0.67 9	78 -0.93 9
NEW 240020 98124530 24-020		BOS 188154 NEW 190003	90 62	103 63	92 55	96 28	101 36	90 46	85 27	83 42	97 10	85 1.57 64	120 -0.85 53	103 10 28	103 13.9 63	92 -3.6 55	94 28 49	98 17.6 52	96 57 47	103 -42 6	106 14.8 48	90 0.6 37	100 -4.0 26	112 22.4 44	99 1 48	101 14 48	101 0.98 10	88 -0.56 9	82 -0.71 9
NEW 240032 98209778 24-032		BOS 200298 NEW 200007	93 57	103 61	95 43	90 15	102 29	90 39			97 8	93 0.92 62	102 -0.13 41	109 18 15	103 13.7 61	95 -2.9 43	93 25 40	101 19.4 38	99 69 16		99 10.7 17	99 -6.7 28	93 -2.6 17	114 23.5 41	115 10 18	109 22 17	96 0.44 9	86 -0.72 8	89 -0.32 8
NEW 240053 98209893 24-053		BOS 200298 NEW 200008	81 59	107 62	108 46	85 15	100 28	90 40			104 8	82 1.84 63	104 -0.21 43	115 24 15	107 16.0 62	108 0.7 46	105 54 41	104 22.5 38	106 94 16		105 14.1 17	94 -2.7 28	94 -2.9 17	111 21.8 38	123 15 18	118 30 17	102 1.07 9	87 -0.65 8	92 -0.16 8
NEW 240060 98209950 24-060		BOS 200298 NEW 200017	82 58	106 61	107 43	87 15	103 27	93 39			101 8	85 1.55 63	94 0.18 42	112 21 15	106 15.6 61	107 0.5 43	105 53 40	105 22.6 42	103 85 16		103 12.8 17	99 -6.8 25	94 -2.9 17	115 24.1 40	120 13 18	114 27 17	99 0.79 9	86 -0.68 8	91 -0.23 8
NEW 240061 98209968 24-061		BOS 200298 NEW 200001	77 59	107 62	110 46	83 15	106 28	93 40			108 8	79 2.08 63	100 -0.06 43	118 27 15	107 16.2 62	110 1.3 46	106 55 41	104 21.8 43	110 108 16		108 15.9 17	99 -6.4 28	97 -3.4 17	118 25.8 40	127 17 18	122 34 17	106 1.41 9	88 -0.60 8	93 -0.08 8
NEW 250002 99595449 NEW25-2	1	BOS 200463 NEW 220021	109 64	108 66	91 50	94 33	109 38	107 47	98 22	102 42	103 16	103 0.07 67	114 -0.61 54	105 12 33	108 16.6 66	91 -3.9 50	97 36 50	111 27.4 52	103 84 27	99 -38 15	113 18.7 29	107 -13.0 40	101 -4.3 28	113 22.9 45	95 -1 29	104 17 29	103 1.11 17	104 0.37 16	89 -0.35 15
NEW 250003 99591513 NEW25-3		BOS 200463 NEW 220214	100 59	106 61	99 44	92 19	110 29	106 40			101 14	99 0.43 62	104 -0.22 48	106 14 19	106 15.7 61	99 -1.6 44	101 46 41	106 23.4 44	101 75 20	103 -42 10	106 14.4 22	99 -6.9 29	115 -7.1 21	109 20.4 37	107 6 22	110 23 21	102 1.05 15	96 -0.14 14	81 -0.81 13
NEW 250005 99591539 NEW25-5		BOS 200463 NEW 220203	97 59	105 48	100 39	97 19	110 29	107 36			94 14	96 0.65 62	103 -0.19 48	101 8 19	105 15.2 48	100 -1.5 39	103 50 35	105 22.9 44	94 49 20	95 -34 10	100 11.0 22	101 -8.0 29	114 -6.8 21	108 20.0 36	99 1 22	101 15 21	95 0.39 15	94 -0.23 14	78 -0.97 13
NEW 250006 99591547 NEW26-6		BOS 200463 NEW 220209	93 59	107 48	101 39	97 19	110 29	107 36			94 14	92 0.99 62	103 -0.17 48	101 8 19	107 16.3 48	101 -1.1 39	106 57 35	107 24.1 44	94 49 20	95 -34 10	100 11.0 22	101 -8.0 29	114 -6.8 21	108 20.0 36	99 1 22	101 15 21	95 0.39 15	94 -0.23 14	78 -0.97 13
NEW 250007 99591554 NEW25-7	1	BOS 200463 NEW 220023	114 63	102 65	98 48	97 28	108 34	110 45	85 20	102 40	95 16	108 -0.37 66	113 -0.56 52	101 8 28	102 13.3 65	98 -1.9 48	99 39 47	101 20.1 49	95 53 26	95 -33 10	109 16.5 29	95 -3.2 37	112 -6.4 23	111 21.6 42	100 1 29	103 16 29	97 0.52 16	101 0.15 15	82 -0.75 14

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																														
NEW 250009	BOS 200463		101	108	100	90	110	107			105	98	106	109	108	100	103		108	104	106	108	98	116	109	111	113	105	96	82
99591570	NEW 220230		59	61	44	19	29	40			14	0.48	-0.30	17	16.9	-1.4	49		24.9	86	-46	15.9	-5.9	-7.3	20.6	8	26	1.34	-0.11	-0.74
NEW25-9												62	49	19	61	44	41		44	20	10	22	29	21	38	22	21	15	14	13
NEW 250010	BOS 200298		91	108	101	86	105	97			104	91	104	114	108	101	101		106	104		107	103	98	111	118	116	103	95	101
99591588	NEW 180032		59	63	48	15	28	41			8	1.10	-0.20	23	16.7	-1.2	45		23.4	87		14.9	-9.8	-3.7	21.9	12	29	1.14	-0.20	0.38
NEW25-10												63	44	15	63	48	42		38	16		17	25	17	41	18	17	9	8	8
NEW 250012	BOS 188154		79	117	98	86	99	92	96	87	113	71	120	114	117	98	108		111	111	119	119	84	104	107	115	118	115	91	88
99591604	NEW 210003		60	62	53	28	35	45	27	41	10	2.72	-0.84	24	21.7	-1.8	60		27.4	111	-59	21.9	4.8	-4.9	19.2	10	31	2.35	-0.39	-0.38
NEW25-12												63	50	28	62	53	48		46	47	6	48	37	26	42	48	48	10	9	9
NEW 250027	BOS 166188		113	87	75	101	104	83	97	79	90	113	143	99	87	75	64		89	97	97	94	96	103	111	91	92	93	85	76
99603508	NEW 160011		62	64	56	41	40	49	22	44	16	-0.73	-1.77	6	4.8	-8.5	-43		10.8	61	-36	7.6	-4.3	-4.7	21.4	-4	6	0.18	-0.77	-1.05
NEW25-27												64	53	41	64	56	54		40	30	11	33	43	29	49	34	33	17	16	16
NEW 250033	BOS 211172		80	117	104	76	98	90			119	79	110	128	117	104	107		113	122		113	90	100	105	130	126	114	91	94
99603540	NEW 210007		52	57	41	14	26	36			8	2.09	-0.44	39	22.2	-0.3	59		29.3	152		18.8	0.2	-4.1	18.1	19	39	2.21	-0.43	-0.06
NEW25-33												57	34	14	57	41	37		28	13		14	27	17	34	14	14	8	7	7
NEW 250035	BOS 166188		91	93	86	103	100	82	95	78	87	92	138	96	93	86	81		95	94	94	91	96	103	102	88	89	90	84	75
6020690001	NEW 200010		61	52	52	41	39	45	22	40	16	1.02	-1.55	3	8.1	-5.4	-4		15.1	51	-33	6.2	-4.1	-4.8	16.0	-6	3	-0.11	-0.81	-1.12
NEW25-35												64	52	41	52	52	48		42	30	11	33	43	29	46	34	33	17	16	16
NEW 250036	TG 210233		110	101	96	98	99	101			95	112	92	100	101	96	97		98	100		103	105	90	106	106	101	95	88	81
99591711	NEW 220202		54	56	33	13	19	34			8	-0.63	0.26	7	12.8	-2.4	34		17.6	72		12.6	-11.2	-2.1	18.5	5	14	0.32	-0.60	-0.80
NEW25-36												59	36	13	56	33	34		18	12		15	16	10	32	14	14	9	8	8
NEW 250038	BOS 211172		75	117	101	81	98	89			110	61	107	121	117	101	108		113	113		106	94	97	105	120	116	105	89	90
99603573	NEW 200017		52	57	41	14	27	36			8	3.60	-0.34	31	22.0	-1.1	60		29.0	120		14.4	-2.7	-3.5	17.8	13	28	1.38	-0.53	-0.27
NEW25-38												57	36	14	57	41	37		28	13		14	27	17	36	14	14	8	7	7
NEW 250039	TG 210233		117	98	96	100	107	107			87	117	95	99	98	96	93		96	93		97	116	92	111	94	90	89	91	89
99591729	NEW 220043		60	62	38	20	24	39			8	-1.06	0.14	5	10.8	-2.5	26		15.6	49		9.6	-20.1	-2.4	21.5	-2	4	-0.22	-0.41	-0.31
NEW25-39												65	41	20	62	38	40		24	12		15	23	11	37	14	14	9	8	8
NEW 250042	BOS 211172		77	105	94	88	98	79			97	78	104	111	105	94	94		101	102		96	98	94	104	107	102	95	87	85
99603599	NEW 210016		52	57	41	14	26	36			8	2.16	-0.23	20	14.8	-3.1	27		20.1	78		9.0	-6.1	-2.8	17.3	6	16	0.32	-0.66	-0.53
NEW25-42												57	34	14	57	41	37		27	13		14	27	17	34	14	14	8	7	7
NEW 250046	BOS 211172		88	105	88	87	98	81			100	85	111	114	105	88	88		101	104		98	97	95	106	110	105	97	87	87
99603672	NEW 210013		51	57	41	14	26	36			8	1.58	-0.50	23	14.9	-4.7	15		20.0	87		10.1	-5.0	-3.0	18.3	7	18	0.57	-0.63	-0.47
NEW25-46												56	33	14	57	41	37		28	13		14	27	17	35	14	14	8	7	7
NEW 250047		NEW 190015	129	75	95		84					128	94		75	95		74				95		82						
99600892			46	50	34		10					-2.00	0.19		-2.1	-2.7		-0.7				-3.2		3.9						
NEW25-47												51	30		50	34		8				11		18						

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				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	
NEW 250049 99603631 NEW25-49		BOS 211172 NEW 210006		75 52	108 57	96 41	86 14	97 26		81 36			101 8	76 2.36 57	106 -0.31 36	114 24 14	108 16.8 57	96 -2.5 41	98 36 37	104 22.5 27	105 91 13		99 10.6 14	96 -4.7 27	95 -3.1 17	103 16.8 35	111 8 14	107 20 14	98 0.66 8	87 -0.62 7	87 -0.45 7
NEW 250057 99600942 NEW25-57		NEW 190009		103 46	89 50	112 34								105 -0.10 51	91 0.31 30		89 5.7 50	112 1.8 34							78 0.9 22						
NEW 250058 99600959 NEW25-58		NEW 180046		105 46	74 50	106 34								108 -0.35 51	88 0.43 30		74 -2.7 50	106 0.4 34							85 5.6 22						
NEW 250059 99600967 NEW25-59		NEW 200003		91 45	98 49	115 31								94 0.82 50	93 0.23 28		98 10.9 49	115 2.8 31		95 15.4 6				82 6.6 11	81 2.9 19						
NEW 250060 99600975 NEW25-60		NEW 160073		105 46	87 50	107 34								107 -0.28 51	89 0.37 30		87 4.7 50	107 0.6 34							81 2.9 25						
NEW 250062 99600983 NEW25-62		NEW 200021		116 43	77 49	101 31								116 -0.99 49	94 0.18 24		77 -1.3 49	101 -1.1 31							79 1.9 19						
NEW 250065 99601015 NEW25-65		NEW 180022		107 46	81 50	109 34								108 -0.34 51	94 0.19 30		81 0.9 50	109 1.1 34		79 3.1 6					88 7.3 22						
NEW 250066 99601023 NEW25-66		NEW 210020		109 44	80 48	111 28								110 -0.48 49	94 0.17 25		80 0.8 48	111 1.6 28							79 1.5 18						
NEW 250068 99601049 NEW25-68		NEW 190012		102 45	89 49	90 31								103 0.05 50	95 0.14 27		89 5.9 49	90 -4.1 31		87 8.9 6					76 -0.2 21						
NEW 250069 99612392 NEW25-69		NEW 200016		130 45	74 49	99 31								133 -2.38 50	92 0.25 27		74 -2.9 49	99 -1.8 31		74 -0.8 6					80 2.5 18						
NEW 250073 99612434 NEW25-73		NEW 180044		134 46	73 50	102 34								132 -2.29 51	99 -0.01 30		73 -3.6 50	102 -0.8 34		72 -2.5 6					85 5.5 22						
NEW 250074 99612442 NEW25-74		BOS 166188 NEW 190002		76 62	101 64	101 56	93 41	100 40		83 49	105 22	81 44	100 16	74 2.53 64	128 -1.18 53	106 14 41	101 12.8 64	101 -1.3 56	97 36 54	103 21.1 40	107 98 30	109 -49 11	103 12.5 33	93 -1.8 43	106 -5.2 29	102 16.0 48	103 3 34	104 17 33	102 1.04 17	87 -0.67 16	80 -0.83 16

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
NEW 250075 99612459 NEW25-75		NEW 210011	114 43	80 48	111 27							114 -0.85 49	93 0.21 24		80 0.5 48	111 1.6 27							77 0.4 18						
NEW 250077 99612475 NEW25-77		NEW 200009	120 45	76 49	106 31							122 -1.45 50	89 0.39 27		76 -2.0 49	106 0.1 31		75 -0.4 6					77 0.7 18						
NEW 250081 99612517 NEW25-81		BOS 166188 NEW 190004	77 61	99 52	96 52	100 41	99 40	82 45	97 22	78 40	89 16	79 2.10 64	138 -1.54 52	98 5	99 11.3	96 -2.7	94 28	100 19.2	97 60	97 -36	94 7.5	95 -3.3	104 -4.9	99 14.2	91 -4	92 6	93 0.14	85 -0.78	76 -1.06
NEW 250082 99612525 NEW25-82		TG 210233 NEW 200001	116 57	95 59	101 39	99 13	100 21	102 36			93 8	119 -1.21 61	85 0.54 41	99 6	95 9.3	101 -1.0	95 30	93 13.5	99 68		102 12.0	107 -13.3	91 -2.2	105 17.9	105 4	100 13	93 0.18	87 -0.62	80 -0.84
NEW 250083 99612533 NEW25-83		NEW 190005	101 46	85 49	105 31							103 0.12 51	94 0.17 30		85 3.6 49	105 0.1 31		84 6.3 6				80 8.3 11		78 0.9 22					
NEW 250084 99612541 NEW25-84		BOS 166188 NEW 190014	75 62	101 64	108 56	92 41	99 41	87 49	105 22	84 44	100 16	70 2.85 64	132 -1.30 53	106 14	101 13.0	108 0.9	104 52	103 21.5	107 99	109 -49	103 12.6	88 2.1	105 -5.1	105 18.0	103 3	104 18	102 1.04	87 -0.67	80 -0.83
NEW 260001 6020390206 26-001		TG 210233 NEW 190001	106 45	108 44	96 35	98 13	100 20	105 30			102 8	106 -0.16 48	98 0.03 36	100 7	108 16.8	96 -2.4	104 52	106 23.3	106 94		103 13.1	105 -11.7	93 -2.6	105 17.7	105 4	104 18	102 1.00	94 -0.23	92 -0.14
NEW 260004 6020751357 NEW26-4		VOVA230014 NEW 220021	116 58	98 47	94 43	93 34	94 34	92 40	93 26	87 37	100 10	109 -0.42 62	114 -0.62 45	105 13	98 10.7	94 -3.0	89 16	96 16.0	101 75	100 -39	105 14.2	97 -5.4	81 -0.3	108 19.9	89 -5	98 12	102 1.03	96 -0.14	90 -0.28
NEW 260006 6020677008 NEW26-6	1	BOS 177177 NEW 230012	104 64	99 57	82 49	100 30	128 40	109 45	91 20	102 40	95 14	101 0.28 67	130 -1.26 52	99 6	99 11.5	82 -6.5	82 0	98 17.4	96 56	95 -33	97 9.5	120 -23.5	126 -9.3	118 26.2	89 -5	96 10	100 0.84	104 0.34	89 -0.34
NEW 260011 6020677024 NEW26-11	3	BOS 177341 NEW 230001	77 63	104 57	109 48	100 25	103 39	98 43	95 20	92 38	97 18	75 2.38 66	112 -0.51 51	98 5	104 14.5	109 1.0	111 68	106 23.4	101 76	100 -39	100 11.0	101 -8.2	107 -5.5	101 15.1	99 1	99 12	99 0.74	114 0.89	96 0.08
NEW 260014 6020677032 NEW26-14		BOS 177177 NEW 230209	101 57	99 48	94 40	97 26	119 34	106 38			92 12	97 0.56 61	112 -0.52 45	101 8	99 11.2	94 -3.2	91 21	99 18.3	95 53	96 -35	94 7.7	113 -17.3	120 -8.1	112 22.2	97 0	97 11	93 0.18	98 -0.02	76 -1.06
NEW 260015 6020677040 NEW26-15		BOS 177341 NEW 230207	92 58	92 47	109 41	112 20	97 34	97 37			81 12	89 1.25 61	111 -0.47 47	90 -5	92 7.5	109 1.1	102 47	93 13.7	86 23	89 -27	91 5.9	93 -1.7	102 -4.5	98 13.5	98 0	88 2	83 -0.79	92 -0.34	75 -1.13

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																													
NEW 260018 6020733942 NEW26-018		BOS 177341 NEW 230003	81 63	103 57	113 48	100 25	97 39	97 43	94 20	92 38	95 19	77 2.24 67	116 -0.70 51	97 4	103 14.1	113 2.2	114 75	105 22.7 49	101 74 30	101 -40 7	98 9.9 32	88 1.9 47	104 -4.9 24	101 15.2 46	96 -1 32	97 11 31	105 1.31 20	76 -1.29 18	80 -0.81 18
NEW 260021 6020751068 NEW26-21		BOS 122163 NEW 230048	91 61	103 58	105 52	112 31	107 47	112 46	94 26	105 42	92 22	88 1.34 65	113 -0.57 47	90 -4 31	103 14.1	105 0.1	112 70	101 19.9 52	96 57 35	89 -27 13	84 1.9 39	104 -10.7 52	103 -4.8 37	109 20.4 52	87 -6 39	95 9 38	96 0.46 23	95 -0.21 21	87 -0.46 20
NEW 260022 6020751373 NEW26-22		VOVA230014 NEW 230038	101 57	106 46	106 39	95 26	98 31	103 37	88 23	96 34	96 10	96 0.65 61	114 -0.60 42	102 10 26	106 15.7	106 0.3	109 63	104 22.5 39	97 59 38		81 0.0 43	95 -3.4 36	95 -3.0 20	107 18.9 36	88 -5 43	97 11 42	101 0.98 10	87 -0.63 9	90 -0.28 9
NEW 260023 6020676992 NEW26-23	1	BOS 177341 NEW 230013	107 64	90 57	90 49	114 25	107 40	101 44	82 20	93 39	87 12	104 0.01 67	133 -1.34 53	89 -6 25	90 6.3	90 -4.1	84 4	90 11.3 50	89 32 31	90 -28 8	96 8.6 33	100 -7.5 47	109 -5.9 26	108 19.7 46	92 -3 33	89 3 32	92 0.04 13	99 0.03 12	88 -0.38 12
NEW 260024 6020751365 NEW26-24		VOVA230014 NEW 230034	100 57	100 46	99 39	95 26	95 30	91 37	88 23	85 34	95 16	94 0.83 61	118 -0.75 42	103 10 26	100 12.2	99 -1.8	96 33	96 15.9 39	96 59 39		91 6.2 44	91 -0.6 36	93 -2.6 19	104 17.5 36	81 -9 44	94 8 43	107 1.59 17	68 -1.78 16	81 -0.79 15
NEW 260026 6020733975 NEW26-26	1	BOS 177177 NEW 230035	100 63	103 57	81 48	97 30	123 39	105 44	94 20	99 39	99 14	98 0.54 66	130 -1.24 51	102 9 30	103 13.7	81 -6.9	84 5	99 19.9 52	99 69 32	99 -38 8	100 11.2 33	112 -17.1 45	125 -9.2 29	115 24.4 44	93 -3 33	101 14 32	103 1.18 14	105 0.38 13	90 -0.26 12
NEW 260027 6020751381 NEW26-27		VOVA230280 NEW 180065	127 55	80 37	81 41	113 16	100 24	91 32	88 20	85 30	90 6	140 -2.98 59	107 -0.33 40	90 -4 16	80 0.7	81 -6.8	64 -43 31	80 3.4 28	95 53 32		98 9.9 36	97 -4.9 27	96 -3.2 12	108 20.0 33	89 -5 37	88 1 36	92 0.10 6	84 -0.83 5	76 -1.07 5
NEW 260028 6020751084 NEW26-28		BOS 122163 NEW 230039	121 61	91 58	93 52	117 31	103 47	108 46	90 26	101 42	86 22	115 -0.88 65	111 -0.49 47	86 -9 31	91 6.6	93 -3.3	88 14	89 10.8 52	90 37 35	82 -20 13	79 -0.8 39	99 -6.9 52	100 -4.0 37	108 19.6 52	81 -10 39	89 3 38	91 -0.04 23	94 -0.27 21	85 -0.58 20
NEW 260030 6020751407 NEW26-30		VOVA230280 NEW 180057	138 54	89 37	80 40	102 14	103 23	100 31	92 20	94 29	96 6	131 -2.27 58	110 -0.44 39	97 4 14	89 5.9	80 -7.0	71 -26 30	89 10.3 27	99 68 32		99 10.6 36	97 -4.9 23	104 -4.9 12	107 18.8 33	92 -3 37	93 7 36	98 0.68 6	90 -0.46 5	86 -0.48 5
NEW 260031 6020751092 NEW26-31		BOS 122163 NEW 230022	122 61	92 57	99 52	113 31	98 47	107 46	93 26	101 42	91 22	114 -0.87 65	115 -0.64 47	89 -5 31	92 7.2	99 -1.8	93 25	90 11.2 52	95 54 35	87 -25 13	83 1.5 39	92 -1.6 52	99 -3.9 37	104 17.0 52	86 -7 39	94 8 38	95 0.37 23	94 -0.22 21	86 -0.48 20
NEW 260034 6020751415 NEW26-34		VOVA230280 NEW 220009	133 56	86 43	88 37	109 20	101 27	101 34	94 20	96 31	95 6	134 -2.50 61	106 -0.30 38	93 -1 20	86 4.1	88 -4.9	76 -16 33	86 8.2 32	100 72 32		103 12.6 36	100 -7.1 33	99 -3.9 12	104 17.2 35	90 -4 37	90 4 36	98 0.67 6	90 -0.50 5	89 -0.30 5
NEW 260036 6020734643 NEW26-36		BOS 177341 NEW 230002	78 63	106 54	109 47	104 25	96 38	97 42	91 20	91 38	90 19	71 2.71 67	115 -0.66 51	95 1	106 15.6	109 1.0	115 77	107 24.8 47	96 59 30	96 -34 7	94 7.8 32	87 2.7 43	102 -4.6 24	102 15.8 46	91 -4 32	92 6 31	101 0.94 20	75 -1.33 18	79 -0.90 18

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																													
NEW 260039 6020751480 NEW26-39		VOVA230014 NEW 190017	105 55	93 40	110 42	94 20	92 25	91 34	85 20	84 31	94 6	101 0.25	110 -0.44	104 12	93 8.3	110 1.5	98 38	89 10.4	94 52		95 8.1	91 -0.1	94 -2.8	98 13.6	97 0	99 13	97 0.59	86 -0.70	80 -0.84
NEW 260040 6020734650 NEW26-40		BOS 177177 NEW 160107	113 61	95 53	87 51	102 26	117 35	106 42			86 12	105 -0.10	120 -0.83	97 4	95 9.0	87 -5.1	83 1	95 15.4	90 34	90 -28	89 5.1	114 -18.2	119 -7.9	108 20.0	91 -4	91 5	88 -0.29	97 -0.08	74 -1.17
NEW 260043 6020751456 NEW26-43		VOVA230280 NEW 210002	112 52	93 31	88 31	111 14	91 22	91 28	89 20	85 26	90 6	114 -0.79	92 0.27	91 -3	93 7.8	88 -4.7	84 4	91 12.3	95 55		98 10.1	92 -1.0	94 -2.9	94 11.3	90 -5	88 2	93 0.13	84 -0.83	76 -1.06
NEW 260047 6020734684 NEW26-47		NEW 230028 NEW 230212	101 49	102 31	96 26	96 14	98 19	94 26			100 5	96 0.68	115 -0.64	102 9	102 13.5	96 -2.7	97 34	101 19.5	101 74		102 12.0	92 -1.5	98 -3.6	105 17.7	101 2	103 16	102 1.01	91 -0.41	
NEW 260048 6020734692 NEW26-48		BOS 177177 NEW 200006	91 61	103 51	102 47	95 26	117 35	107 41			95 12	88 1.33	110 -0.46	103 11	103 13.8	102 -1.0	101 45	103 21.5	98 64	100 -39	96 9.1	111 -16.4	121 -8.3	109 20.4	100 2	101 14	96 0.45	98 0.02	77 -0.99
NEW 260049 6020751498 NEW26-49		VOVA230280 NEW 210006	121 52	90 34	93 35	105 14	91 22	92 29	92 20	87 27	95 6	120 -1.33	94 0.18	94 1	90 6.5	93 -3.5	84 4	89 10.8	99 69		102 12.0	90 0.0	95 -3.1	96 12.1	94 -2	93 6	96 0.51	85 -0.78	78 -0.97
NEW 260051 6020734718 NEW26-51		NEW 230028 NEW 230065	96 56	111 44	103 36	95 21	94 27	99 34			108 8	90 1.17	119 -0.79	103 11	111 18.3	103 -0.5	111 68	110 27.1	109 106		93 7.1	79 9.0	96 -3.2	109 20.3	99 1	109 21	111 1.98	94 -0.27	98 0.18

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	
NEW 160011 93553386 16 0011			134 48	76 46	98 63							125 -1.78 47	124 -1.02 52		76 -2.0 46	98 -2.0 63								109 20.2 41						
NEW 160068 93553428 16 0068			108 50	88 42	95 60	106 30	98 21					110 -0.48 49	91 0.32 54	94 0 30	88 5.4 42	95 -2.8 60	84 4 44	87 8.9 12				103 -9.6 22	107 19.4 41							
NEW 160073 93553436 16 0073			100 48	86 46	115 64							105 -0.04 47	86 0.49 52		86 3.9 46	115 2.7 64							97 12.7 43							
NEW 160106 93553089 16 0106			130 48	82 47	83 64							122 -1.47 47	116 -0.69 53		82 1.6 47	83 -6.1 64		84 6.3 16					98 13.2 42							
NEW 160107 93553014 16 0107			126 53	77 47	93 64							120 -1.36 52	108 -0.37 56		77 -1.1 47	93 -3.3 64							89 7.9 42							
NEW 180022 93553220 18 0022			107 48	85 46	108 63							109 -0.38 47	93 0.23 52		85 3.3 46	108 0.9 63		84 6.6 11					112 22.5 38							
NEW 180033 93553246 18 0033			91 48	91 47	130 64							97 0.54 47	83 0.63 52		91 7.2 47	130 6.9 64		91 11.8 10					114 23.4 38							
NEW 180044 93552883 18 0044			129 48	79 47	106 64							120 -1.33 47	118 -0.75 53		79 -0.1 47	106 0.2 64		78 2.3 11					110 21.2 39							
NEW 180045 93552859 18 0045			82 48	94 47	142 64							91 1.05 47	76 0.90 52		94 8.5 47	142 10.3 64							106 18.2 39							
NEW 180046 93553121 18 0046			102 48	83 46	96 64							108 -0.34 47	80 0.74 52		83 2.0 46	96 -2.6 64							106 18.8 38							
NEW 180057 93552867 18 0057			118 52	90 47	87 64							111 -0.58 51	122 -0.93 57		90 6.2 47	87 -5.1 64		89 10.5 16					113 22.7 38							
NEW 180065 93553154 18 0065			136 54	72 47	89 65	116 30	105 24					126 -1.86 53	117 -0.74 59	86 -8 30	72 -3.9 47	89 -4.5 65	63 -45 47	72 -2.6 18				106 -12.5 29	116 25.0 38							

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high										Value <80		Value >120		Breeding values with an accuracy < 5% are not printed																
Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																														
NEW 180072 93553188 18 0072				133 53	76 47	94 65	120 29						124 -1.63 52	117 -0.73 58	83 -13 29	76 -1.6 47	94 -3.1 65	73 -21 47	76 0.2 14				88 2.2 20	112 22.0 37						
NEW 180083 93552925 18 0083				113 49	79 47	91 64		95 20					114 -0.86 48	91 0.31 53		79 -0.1 47	91 -3.9 64		78 2.1 12				98 -5.7 22	106 18.4 38						
NEW 180084 93553261 18 0084				117 52	91 47	80 64							110 -0.48 51	117 -0.72 57		91 7.1 47	80 -7.0 64		91 12.1 12					114 23.2 37						
NEW 190001 94751716 NEW 190001				93 39	100 35	108 51							93 0.95 39	102 -0.15 41		100 12.3 35	108 1.0 51		100 19.3 12					98 13.8 36						
NEW 190002 94751732 NEW 190002				74 48	94 47	134 64							88 1.29 47	63 1.41 53		94 8.8 47	134 8.3 64							93 10.5 38						
NEW 190003 94751740 NEW 190003				97 48	84 41	112 58							104 0.02 47	80 0.73 53		84 2.8 41	112 1.9 58		83 6.1 15					93 10.6 32						
NEW 190005 94751765 NEW 190005				108 49	80 41	105 58							110 -0.52 48	90 0.35 54		80 0.5 41	105 -0.1 58		79 3.1 12				80 8.3 22	93 10.3 37						
NEW 190007 94751781 NEW 190007				104 49	83 47	114 64		97 21					107 -0.20 48	89 0.38 54		83 2.5 47	114 2.5 64		83 5.8 12				103 -9.8 22	100 14.8 38						
NEW 190008 93554830 19 0008				118 43	79 41	92 58							117 -1.06 42	98 0.03 47		79 -0.3 41	92 -3.8 58							90 8.8 31						
NEW 190009 94751823 NEW 190009				99 48	88 47	124 64							102 0.14 47	88 0.41 53		88 4.9 47	124 5.3 64							90 8.3 38						
NEW 190010 94751922 NEW 190010				94 48	84 47	94 64							104 -0.03 47	70 1.13 53		84 3.1 47	94 -3.0 64		83 6.2 12					90 8.5 38						
NEW 190011 94751708 NEW 190011				104 48	83 47	105 64							108 -0.32 47	87 0.46 53		83 2.5 47	105 0.1 64		83 5.6 12					92 9.9 31						

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																													
NEW 190012 95424594 NEW190012			116 43	78 41	79 59							117 -1.09 42	90 0.35 47		78 -0.6 41	79 -7.2 59		77 1.2 12					90 8.5 36						
NEW 190013 94751864 NEW 190013			92 48	99 47	103 64							95 0.74 47	92 0.27 53		99 11.3 47	103 -0.5 64		99 18.2 12					94 11.0 31						
NEW 190014 94751831 NEW 190014			73 49	97 47	146 64		87 20					86 1.49 48	67 1.26 54		97 10.1 47	146 11.5 64		96 15.8 16			78 9.9 22		100 14.6 37						
NEW 190015 94751872 NEW 190015			124 49	76 46	95 64		97 18					119 -1.28 48	105 -0.26 54		76 -1.7 46	95 -2.9 64		76 0.2 16			106 -12.5 22		99 14.4 29						
NEW 190016 94751849 NEW 190016			102 53	83 47	101 64							107 -0.26 52	82 0.67 57		83 2.5 47	101 -1.1 64							85 5.5 38						
NEW 190017 94751856 NEW 190017			106 52	85 41	120 59							107 -0.23 51	96 0.11 57		85 3.4 41	120 4.2 59		84 6.9 12					89 7.7 38						
NEW 190018 93554855 19 0018			122 48	75 41	70 58							122 -1.46 47	92 0.26 53		75 -2.6 41	70 -9.9 58							90 8.8 36						
NEW 190020 94751906 NEW 190020			106 43	86 41	126 58							106 -0.15 42	98 0.04 47		86 3.8 41	126 5.8 58		85 7.5 11					96 12.4 30						
NEW 200001 95424602 NEW200001			97 44	83 41	120 59							103 0.10 43	82 0.66 49		83 2.2 41	120 4.2 59		83 5.6 15			96 -4.5 22		101 15.1 30						
NEW 200002 95424636 NEW200002			96 44	85 35	109 51							103 0.07 43	77 0.84 48		85 3.3 35	109 1.1 51		84 6.7 10					99 14.4 31						
NEW 200003 95424610 NEW200003			94 44	88 41	134 59							99 0.42 43	86 0.51 49		88 5.0 41	134 8.0 59		87 9.2 12			93 -1.6 22		96 12.4 30						
NEW 200005 95424628 NEW200005			69 43	97 41	143 59							84 1.65 42	59 1.55 47		97 10.3 41	143 10.7 59							90 8.6 31						

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high

Value <80Value >120

Breeding values with an accuracy < 5% are not printed

Animal		Selection Values										Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc																														
ID	% 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
NEW 200006				96	87	119							102	83		87	119								90					
95424545				48	35	50							0.18	0.60		4.7	4.0								8.5					
NEW200006													47	52		35	50								31					
NEW 200008				105	82	116							107	91		82	116		82				85	97						
95424552				44	41	59							-0.26	0.31		1.9	3.0		5.1			4.0	13.2							
NEW200008													43	49		41	59		12			22	30							
NEW 200009				108	82	109							109	93		82	109		82					93						
95424651				43	41	59							-0.45	0.22		1.8	1.2		4.8				10.4							
NEW200009													42	48		41	59		12				30							
NEW 200010				104	86	109							107	89		86	109		85					93						
95424669				43	35	51							-0.22	0.39		3.8	1.2		7.2				10.7							
NEW200010													42	48		35	51		12				30							
NEW 200012				90	94	152							94	90		94	152		93				87	95						
95424693				44	41	59							0.84	0.32		8.4	13.1		13.8			2.9	11.9							
NEW200012													43	49		41	59		12			22	30							
NEW 200013				104	85	115							106	91		85	115							93						
95424719				43	41	59							-0.18	0.32		3.5	2.8						10.5							
NEW200013													42	48		41	59						31							
NEW 200014				119	78	95							117	100		78	95		77				101	95						
95424727				44	41	59							-1.08	-0.04		-0.8	-2.9		1.3			-7.9	11.9							
NEW200014													43	49		41	59		12			22	30							
NEW 200015				123	78	91							119	103		78	91							93						
95424701				43	41	59							-1.26	-0.19		-0.9	-3.9						10.4							
NEW200015													42	48		41	59						30							
NEW 200016				119	91	96							115	107		91	96		91					99						
95424677				43	41	59							-0.89	-0.32		6.8	-2.6		12.2				14.3							
NEW200016													42	48		41	59		12				30							
NEW 200017				92	89	115							100	77		89	115		88					94						
95424735				43	35	51							0.35	0.87		5.9	2.8		9.9				11.0							
NEW200017													42	47		35	51		10				31							
NEW 200021				116	80	96							115	97		80	96							93						
95424586				36	41	58							-0.92	0.06		0.3	-2.6						10.3							
NEW200021													35	41		41	58						30							
NEW 210001				91	88	118							99	76		88	118							91						
96864038				37	35	50							0.39	0.88		5.3	3.7						9.0							
21 001													36	41		35	50						23							

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	ID Number Name	% 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			
NEW 210002 96864103 21 002				97 43	84 25	96 38							105 -0.11 42	74 0.97 48		84 2.9 25	96 -2.4 38			83 6.0 12					88 7.6 29								
NEW 210003 96864020 21 003				86 37	90 35	129 50							95 0.72 36	74 0.98 41		90 6.0 35	129 6.8 50			89 10.5 12					95 11.9 23								
NEW 210004 96864061 21 004				109 36	85 34	120 51							108 -0.32 35	99 -0.03 41		85 3.4 34	120 4.3 51								92 9.7 29								
NEW 210005 96864145 21 005				99 36	87 34	118 50							103 0.07 35	86 0.51 40		87 4.5 34	118 3.5 50			86 8.3 12					95 11.9 23								
NEW 210006 96864053 21 006				101 43	85 35	108 50							106 -0.14 42	84 0.58 47		85 3.2 35	108 0.8 50								91 9.1 29								
NEW 210007 96863972 21 007				99 36	92 35	138 50							100 0.32 35	97 0.07 41		92 7.4 35	138 9.2 50			91 12.2 12					95 11.9 23								
NEW 210008 96864087 21 008				110 36	86 35	107 50							110 -0.48 35	97 0.08 41		86 3.9 35	107 0.7 50			85 7.3 10					97 12.6 23								
NEW 210009 96864111 21 009				90 36	89 25	122 38							98 0.47 35	77 0.84 41		89 5.7 25	122 4.8 38								84 5.0 29								
NEW 210010 96864004 21 010				99 36	85 34	107 51							105 -0.07 35	81 0.69 41		85 3.4 34	107 0.7 51								92 9.8 29								
NEW 210011 96863998 21 011				108 36	85 34	117 51							108 -0.33 35	97 0.06 41		85 3.2 34	117 3.4 51								92 9.7 29								
NEW 210012 96864178 21 012				92 36	90 34	131 51							98 0.52 35	83 0.60 40		90 6.4 34	131 7.4 51								93 10.4 29								
NEW 210013 96864152 21 013				117 36	77 35	97 50							116 -0.98 35	98 0.04 41		77 -1.0 35	97 -2.3 50			77 1.2 12					96 12.3 29								

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																															
NEW 210014 96864095 21 014				94 43	88 25	118 38							101 0.26 42	80 0.73 47		88 4.9 25	118 3.7 38							87 6.7 29							
NEW 210016 96864160 21 016				101 36	84 35	101 51							107 -0.22 35	81 0.71 40		84 2.6 35	101 -1.0 51								93 10.2 23						
NEW 210017 96864079 21 017				103 36	83 35	100 51							108 -0.32 35	83 0.61 41		83 2.5 35	100 -1.3 51		83 5.6 10						96 12.1 29						
NEW 210019 96864129 21 019				110 36	83 35	111 50							110 -0.49 35	96 0.10 40		83 2.4 35	111 1.5 50								92 9.7 23						
NEW 210020 96864046 21 020				108 36	84 35	114 51							108 -0.36 35	95 0.14 40		84 2.9 35	114 2.5 51								91 9.3 29						
NEW 220002 94884517 22-2		SB 170563 NEW 190015		116 57	93 60	105 46	92 27	92 31	92 42	75 24	83 38	82 12	113 -0.76 61	103 -0.18 44	106 14 27	93 8.0 60	105 0.0 46	93 25 44	91 11.8 32	87 25 35	94 -33 8	111 17.5 39	95 -3.2 31	93 -2.6 21	95 11.8 42	105 4 40	94 7 38	81 -0.98 13	87 -0.63 12	61 -1.92 11	
NEW 220004 94884533 22-4		SB 170563 NEW 190011		109 56	93 60	111 46	92 27	87 31	90 41	75 24	81 38	82 12	110 -0.53 60	93 0.22 44	106 13 27	93 8.2 60	111 1.8 46	98 37 44	91 12.2 31	87 24 35	94 -33 8	111 17.4 39	90 0.6 29	91 -2.3 21	92 9.6 43	105 4 40	93 7 38	81 -1.04 13	87 -0.63 12	61 -1.93 11	
NEW 220005 94884541 22-5		SB 170563 NEW 190021		109 54	90 57	114 39	95 27	86 31	89 39	72 24	79 36	77 12	110 -0.51 58	94 0.19 38	102 9 27	90 6.2 57	114 2.4 39	98 37 41	88 9.8 30	83 9 35	89 -27 8	108 15.4 39	91 -0.7 29	90 -2.0 21	89 7.7 42	100 2 40	89 2 38	77 -1.43 13	86 -0.68 12	59 -2.03 11	
NEW 220006 94884558 22-6		SB 170563 NEW 190004		104 56	94 58	123 42	91 27	86 31	92 40	76 24	83 37	83 12	106 -0.20 60	90 0.33 42	106 14 27	94 8.4 58	123 4.9 42	107 59 42	92 12.7 31	88 30 35	96 -35 8	112 18.2 39	89 1.0 29	91 -2.4 21	89 8.3 43	107 5 40	95 9 38	82 -0.92 13	88 -0.62 12	61 -1.90 11	
NEW 220009 94884608 22-9		PB 190051 NEW 180065		125 64	83 64	102 57	110 62	106 32	107 52				117 -1.11 67	115 -0.64 55	92 -2 62	83 2.4 64	102 -0.8 57	85 7 61	83 6.1 34				112 -16.9 48	96 -3.2 5	107 19.4 44						
NEW 220012 94776648 22-12		WO 140179 NEW 190013		93 62	108 64	109 58	90 46	87 44	91 51	107 32	89 47	102 16	93 0.91 64	102 -0.14 55	108 16 46	108 16.9 64	109 1.0 58	110 67 56	114 29.8 48	108 101 37	103 -42 24	119 21.9 39	99 -6.6 47	72 1.6 34	102 15.8 52	93 -2 39	99 12 39	99 0.73 17	98 0.02 15	85 -0.57 15	
NEW 220021 94776721 22-21		WO 140179 NEW 160094		113 66	99 64	91 62	95 53	89 49	88 54	98 32	84 50	94 16	108 -0.35 67	110 -0.46 61	103 11 53	99 11.6 64	91 -3.9 62	89 15 60	104 22.3 52	99 70 37	98 -37 24	115 19.8 39	104 -10.8 57	65 2.9 34	109 20.3 56	91 -4 39	91 5 39	89 -0.19 17	94 -0.25 15	73 -1.21 15	

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	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		
	NEW 220023 94884301 22-23		SB 170563 NEW 180072	126 60	85 62	106 56	108 38	87 38	96 47	69 24	86 42	74 12	121 -1.38 63	107 -0.34 50	93 -1 38	85 3.4 62	106 0.2 56	90 18 52	83 6.1 40	79 -3 35	85 -23 8	105 13.8 39	80 7.9 46	85 -1.0 21	104 17.1 46	97 -1 40	85 -1 38	74 -1.71 13	86 -0.72 12	58 -2.10 11		
	NEW 220043 94932480 22-43		PB 190051 NEW 160068	113 62	90 63	102 55	95 62	106 27	98 50				112 -0.69 65	96 0.09 50	103 11 62	90 6.1 63	102 -0.9 55	87 12 60	89 10.9 28				112 -16.8 33	95 -3.0 5	110 21.1 43							
	NEW 220200 99427957 NEW 220200			116 27	79 25	94 38							115 -0.95 26	96 0.09 29		79 0.2 25	94 -3.1 38							99 14.0 16								
	NEW 220201 99427973 NEW 220201			93 27	88 25	121 38							100 0.35 26	80 0.75 29		88 5.3 25	121 4.4 38							99 14.0 16								
	NEW 220202 99427981 NEW 220202			105 27	84 25	108 38							108 -0.32 26	89 0.37 29		84 2.7 25	108 0.9 38							99 14.5 16								
	NEW 220203 99427965 NEW 220203			102 27		109 8							106 -0.17 26	85 0.53 29			109 1.0 8							99 14.1 15								
	NEW 220206 99427999 NEW 220206			111 27	80 25	93 38							113 -0.72 26	89 0.38 29		80 0.7 25	93 -3.3 38							99 14.0 16								
	NEW 220207 99428005 NEW 220207			114 27	80 25	97 38							114 -0.81 26	95 0.16 29		80 0.7 25	97 -2.4 38							99 14.0 16								
	NEW 220208 99428500 NEW 220208			123 27	77 25	90 38							120 -1.29 26	103 -0.18 29		77 -1.1 25	90 -4.3 38							99 14.0 16								
	NEW 220209 99428518 NEW 220209			98 27		110 8							104 0.00 26	82 0.67 29			110 1.5 8							99 14.1 15								
	NEW 220210 99428526 NEW 220210			109 27	82 25	102 39							111 -0.55 26	91 0.31 29		82 1.7 25	102 -1.0 39							98 13.9 16								
	NEW 220214 99428534 NEW 220214			103 27	85 25	112 39							106 -0.20 26	89 0.39 29		85 3.3 25	112 1.9 39							99 14.3 16								

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																														
NEW 220230 99428542 NEW 220230				105 36	85 25	115 39							107 -0.24 35	93 0.23 39		85 3.3 25	115 2.8 39							100 14.9 22						
NEW 230001 96456264 23-001		BOS 166103 NEW 200001		76 62	107 62	107 49	88 31	103 41	92 46	100 24	88 42	103 28	83 1.78 65	86 0.49 51	111 19 31	107 16.3 62	107 0.5 49	107 58 47	107 24.7 50	107 99 40	107 -47 7	104 13.4 43	111 -16.0 53	98 -3.6 25	101 15.6 46	98 0 43	105 18 42	103 1.19 29	115 1.00 26	93 -0.10 26
NEW 230002 98531205 23-002		BOS 177663 NEW 200002		80 62	107 50	104 47	94 32	89 34	85 42	93 23	80 38	90 30	85 1.55 65	90 0.35 53	104 11 32	107 16.0 50	104 -0.3 47	107 58 43	107 24.5 42	98 64 42	93 7.1 45	83 5.9 38	88 -1.7 16	104 17.0 48	83 -9 45	92 5 44	108 1.59 32	39 -3.44 29	59 -2.05 29	
NEW 230003 96474911 23-003		BOS 177663 NEW 200003		85 62	105 62	115 50	89 32	91 39	90 46	100 23	86 41	99 30	88 1.34 65	95 0.13 53	110 18 32	105 15.0 62	115 2.7 50	111 68 48	105 22.8 50	106 95 42	100 11.2 45	85 4.3 54	92 -2.5 16	102 15.8 46	92 -3 45	102 15 44	115 2.32 32	41 -3.35 29	62 -1.88 29	
NEW 230006 96471842 23-006		BOS 177663 NEW 200007		102 61	94 61	96 48	104 32	86 39	83 45	85 23	77 41	79 30	100 0.31 64	104 -0.22 52	95 1 32	94 8.5 61	96 -2.6 48	90 19 47	95 15.2 50	88 27 42	84 2.2 45	84 5.1 54	84 -0.9 16	100 14.9 47	71 -15 45	80 -6 44	98 0.61 32	37 -3.57 29	54 -2.30 29	
NEW 230008 96474820 23-008		BOS 177663 NEW 200008		100 62	97 62	104 50	95 32	83 39	82 46	92 23	78 41	89 30	99 0.39 65	101 -0.08 53	103 10 32	97 10.2 62	104 -0.2 50	97 36 48	97 16.6 50	97 61 42	92 6.7 45	73 13.9 54	85 -1.0 16	102 16.2 46	82 -9 45	91 5 44	106 1.48 32	39 -3.46 29	58 -2.08 29	
NEW 230009 96471859 23-009		BOS 177663 NEW 200009		91 60	109 62	98 50	89 32	87 33	85 44	99 23	81 40	98 30	90 1.16 63	105 -0.24 48	110 18 32	109 17.4 62	98 -2.0 50	102 46 48	109 25.7 50	105 91 42	99 10.7 45	80 8.3 38	91 -2.2 16	100 14.8 46	91 -4 45	100 14 44	115 2.30 32	41 -3.36 29	62 -1.88 29	
NEW 230012 96478235 23-012		BOS 188154 NEW 190015		106 64	89 64	85 57	113 28	107 41	96 48	73 27	86 44	79 10	104 0.03 66	133 -1.35 57	90 -5 28	89 5.6 64	85 -5.7 57	77 -12 50	85 7.2 53	80 -1 47	84 -21 6	93 7.0 48	110 -15.2 53	100 -4.2 26	109 20.2 44	81 -10 48	82 -4 48	86 -0.54 10	85 -0.76 9	76 -1.09 9
NEW 230013 96478243 23-013		BOS 188154 NEW 180065		106 65	92 64	78 57	111 30	111 42	96 48	75 27	87 44	83 10	106 -0.19 67	142 -1.70 58	92 -2 30	92 7.6 64	78 -7.7 57	74 -19 50	88 10.1 53	83 11 47	88 -26 6	96 8.7 48	109 -14.6 54	102 -4.4 26	116 24.8 45	85 -7 48	86 0 48	89 -0.21 10	86 -0.71 9	77 -1.01 9
NEW 230015 96471883 23-015		BOS 177663 NEW 160094		99 62	94 61	95 48	104 33	81 40	77 46	85 23	71 41	79 30	98 0.46 64	102 -0.12 53	95 2 33	94 8.4 61	95 -2.9 48	89 16 47	94 14.2 50	88 28 42	84 2.2 45	70 16.2 55	80 -0.1 16	105 17.7 48	71 -15 45	80 -6 44	98 0.65 32	37 -3.56 29	54 -2.29 29	
NEW 230018 96471891 23-018		BOS 199209 NEW 190003		107 54	92 62	93 49	116 22	102 33	102 42			84 8	106 -0.12 58	103 -0.17 40	87 -8 22	92 7.3 62	93 -3.2 49	89 16 44	93 13.4 50	91 39 21	90 -28 5	90 5.4 23	108 -13.9 34	97 -3.4 23	103 16.6 43	101 2 21	94 8 21	87 -0.39 9	82 -0.97 8	83 -0.65 7
NEW 230019 96478219 23-019		BOS 188154 NEW 200010		85 61	110 62	90 53	97 28	98 36	90 45	84 27	83 41	95 10	82 1.83 64	125 -1.06 52	101 9 28	110 17.8 62	90 -4.3 53	100 41 48	105 22.9 52	94 52 47	101 -40 6	105 14.1 48	89 1.4 37	100 -4.2 26	106 18.2 44	97 0 48	99 13 48	100 0.84 10	88 -0.58 9	82 -0.75 9

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																													
NEW 230021	BOS 199424	100	103	100	89	103	96				100	97	107	110	103	100	97	102	104	109	108	95	104	108	108	105	97	100	85
97105092	NEW 190017	60	62	49	21	30	42				14	0.59	-0.35	19	13.8	-1.4	35	20.9	88	-49	15.6	-3.2	-4.9	19.6	6	18	0.52	0.09	-0.55
23-021												64	47	21	62	49	44	50	30	5	34	29	17	43	34	33	14	13	13
NEW 230022	SB 190655	128	94	114	95	84	101	96	96	95		122	110	102	94	114	104	97	102		75	77	89	96	101	102	98	79	78
96456280	NEW 200011	62	61	48	31	39	45	22	40	14		-1.46	-0.46	9	8.9	2.6	50	16.6	78		-3.4	10.6	-2.0	12.5	2	16	0.68	-1.11	-0.97
23-022												64	53	31	61	48	47	48	38		41	53	20	44	42	41	15	13	13
NEW 230025	SB 190655	127	92	110	102	90	104	90	97	87		126	94	96	92	110	100	96	94		68	89	90	99	92	94	91	78	75
96456314	NEW 190011	61	63	52	31	34	45	22	40	14		-1.79	0.17	3	7.7	1.4	43	16.0	51		-7.1	1.2	-2.1	13.9	-3	7	-0.01	-1.20	-1.14
23-025												64	50	31	63	52	49	48	38		41	37	20	44	42	41	15	13	13
NEW 230030	BOS 166103	79	116	117	81	99	99	109	97	116		84	91	120	116	117	119	116	120	120	114	101	100	99	112	120	115	118	98
96474838	NEW 200012	62	62	49	31	41	46	24	42	28		1.70	0.30	30	21.4	3.2	86	31.6	143	-61	19.3	-8.1	-4.1	14.2	8	32	2.31	1.14	0.18
23-030												65	51	31	62	49	47	50	40	7	43	53	25	46	43	42	29	26	26
NEW 230034	BOS 177663	101	96	95	100	92	87	88	81	82		98	109	98	96	95	91	97	91		87	92	88	101	75	83	101	38	56
96679089	NEW 200014	62	62	50	32	39	46	23	41	30		0.49	-0.41	5	9.8	-2.7	21	16.4	39		3.7	-1.2	-1.7	15.6	-13	-2	0.93	-3.53	-2.22
23-34												65	53	32	62	50	48	50	42		45	54	16	46	45	44	32	29	29
NEW 230035	BOS 188154	98	97	83	104	98	85	78	77	87		96	132	96	97	83	82	92	87	92	99	94	99	103	89	90	93	87	79
96886924	NEW 140002	63	62	53	28	40	46	27	42	10		0.68	-1.34	2	10.4	-6.2	0	12.6	24	-31	10.4	-2.6	-3.9	16.6	-5	4	0.14	-0.67	-0.92
23-35												65	55	28	62	53	48	52	47	6	48	53	26	42	48	48	10	9	9
NEW 230038	SB 190655	118	102	107	100	98	112	87	104	84		118	95	97	102	107	107	108	91		66	99	92	106	89	90	88	77	74
96679097	NEW 160068	64	62	50	32	39	46	22	41	14		-1.14	0.13	4	13.3	0.4	59	25.1	40		-8.5	-6.9	-2.5	18.2	-5	4	-0.29	-1.23	-1.21
23-38												66	55	32	62	50	48	48	38		41	53	20	45	42	41	15	13	13
NEW 230039	SB 190655	121	94	105	103	94	104	89	97	86		117	105	95	94	105	98	97	92		67	91	90	105	90	92	90	77	74
96679105	NEW 180083	64	63	52	31	39	47	22	42	14		-1.11	-0.24	2	8.8	-0.1	38	17.0	45		-7.9	-0.1	-2.1	17.7	-4	5	-0.13	-1.21	-1.17
23-39												66	55	31	63	52	49	48	38		41	53	20	45	42	41	15	13	13
NEW 230046	SB 190655	109	106	119	92	89	105	99	100	100		109	96	106	106	119	117	109	106		78	84	94	96	106	108	103	80	80
96679154	NEW 190004	60	61	48	31	34	44	22	40	14		-0.42	0.12	14	15.3	3.8	81	25.7	95		-1.2	5.1	-2.9	12.5	5	21	1.12	-1.06	-0.86
23-46												63	49	31	61	48	47	48	38		41	37	20	45	42	41	15	13	13
NEW 230048	SB 190655	103	104	120	93	102	112	97	106	98		105	92	104	104	120	117	106	104		76	100	98	107	103	105	100	79	79
96679162	NEW 190007	64	63	52	31	39	47	22	42	14		-0.07	0.25	11	14.1	4.1	81	23.6	85		-2.5	-7.7	-3.7	19.4	3	18	0.87	-1.09	-0.92
23-48												66	55	31	63	52	49	48	38		41	53	20	45	42	41	15	13	13
NEW 230055	SB 190655	94	111	131	86	87	105	105	101	109		99	85	112	111	131	129	114	115		85	68	92	107	115	118	110	82	83
96679196	NEW 190014	64	63	52	31	39	47	22	42	14		0.41	0.54	20	18.6	7.4	112	30.0	125		2.8	17.8	-2.5	19.3	10	30	1.83	-0.97	-0.68
23-55												66	55	31	63	52	49	48	38		41	53	20	45	42	41	15	13	13
NEW 230064	SB 190655	107	100	107	101	92	100	90	94	88		109	92	97	100	107	106	103	94		68	88	91	102	92	94	92	78	75
97101679	NEW 190010	61	63	52	31	34	45	22	40	14		-0.39	0.28	3	12.0	0.7	56	21.4	51		-7.0	1.6	-2.2	16.0	-3	7	0.03	-1.19	-1.13
23-064												64	50	31	63	52	49	48	38		41	37	20	45	42	41	15	13	13

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																															
NEW 230065 97101687 23-0065		SB 190655 NEW 190005	118 64	92 62	114 50	101 31	82 39	95 46	91 22	89 41	88 14	116 -1.01 66	99 -0.02 55	97 3 31	92 7.3 62	114 2.6 50	103 49 48	94 14.7 48	95 55 38			69 -6.5 41	67 18.1 53	84 -0.8 20	104 17.5 45	93 -2 42	95 8 41	92 0.07 15	78 -1.19 13	75 -1.12 13	
NEW 230207 99427924 NEW 230207			102 27									106 -0.20 26	86 0.51 29											96 12.3 15							
NEW 230209 99427809 NEW 230209			107 27									109 -0.42 26	91 0.32 29												96 12.3 15						
NEW 230211 99427825 NEW 230211			92 27									101 0.28 26	76 0.91 29												96 12.3 15						
NEW 230212 99427833 NEW 230212			114 27									113 -0.75 26	98 0.04 29												96 12.3 15						
NEW 230213 99427841 NEW 230213			101 27									105 -0.12 26	84 0.57 29												96 12.3 15						
NEW 240001 98124381 24-001		BOS 199424 NEW 210002	87 59	102 60	93 44	98 21	105 29	92 40			86 14	88 1.31 63	100 -0.06 44	100 7 21	102 13.0 60	93 -3.3 44	94 28 42	101 20.2 50	92 41 30	95 -33 5	97 9.4 34	99 -6.9 29	100 -4.1 17	112 21.9 42	94 -2 34	89 3 33	85 -0.63 14	97 -0.06 13	80 -0.84 13		
NEW 240002 98124399 24-002		BOS 199424 NEW 210003	82 58	108 61	106 47	87 21	106 29	97 41			103 14	84 1.67 62	99 -0.03 42	113 21 21	108 17.0 61	106 0.2 47	106 57 43	107 24.6 50	107 99 30	112 -52 5	110 17.0 34	94 -2.4 29	105 -5.1 17	114 23.7 41	111 8 34	108 21 33	99 0.80 14	100 0.12 13	86 -0.48 13		
NEW 240005 98124415 24-005		BOS 199424 NEW 210007	88 58	118 61	106 47	82 21	106 29	104 41			112 14	85 1.55 62	110 -0.46 42	119 29 21	118 22.3 61	106 0.2 47	112 71 43	117 32.3 50	116 129 30	121 -62 5	117 21.1 34	90 0.2 29	108 -5.6 17	114 23.7 41	121 13 34	118 31 33	108 1.60 14	102 0.22 13	90 -0.28 13		
NEW 240006 98124423 24-006		BOS 188154 NEW 210005	90 60	109 62	92 53	95 28	100 35	93 45	85 27	86 41	98 10	85 1.55 63	122 -0.92 50	103 11 28	109 17.2 62	92 -3.6 53	100 41 48	104 22.0 52	97 60 47	104 -43 6	107 15.2 48	88 2.1 37	101 -4.3 26	110 21.2 43	100 1 48	102 15 48	102 1.06 10	89 -0.56 9	83 -0.70 9		
NEW 240010 98124464 24-010		BOS 199424 NEW 210013	105 58	97 61	90 47	96 21	106 29	94 41			89 14	101 0.25 62	109 -0.41 42	103 10 21	97 10.2 61	90 -4.2 47	86 8 43	96 15.8 50	95 53 30	98 -37 5	100 10.9 34	98 -6.1 29	101 -4.3 17	115 23.9 42	97 0 34	93 7 33	88 -0.34 14	98 -0.02 13	81 -0.76 13		
NEW 240013 98124480 24-013		BOS 188154 NEW 180057	89 63	108 64	78 57	96 28	110 36	92 47	83 27	85 43	95 10	91 1.11 65	140 -1.63 54	103 10 28	108 16.7 64	78 -7.7 57	87 12 50	103 21.3 52	92 44 47	95 -33 6	101 11.7 48	96 -4.2 37	109 -5.8 26	118 25.9 45	93 -3 48	97 11 48	100 0.85 10	93 -0.28 9	90 -0.30 9		

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																														
NEW 240015		BOS 200298	98	94	92	102	101	89			79	98	100	96	94	92	86		93	83		85	105	89	110	97	90	80	82	82
98124506		NEW 190012	58	62	46	15	28	40			8	0.51	-0.04	3	8.6	-3.8	9		13.5	10		2.8	-11.3	-1.9	20.9	-1	4	-1.09	-0.91	-0.70
24-015												62	42	15	62	46	41		44	16		17	25	17	41	18	17	9	8	8
NEW 240022		BOS 200298	87	105	98	92	102	92			93	89	97	106	105	98	99		103	96		96	100	93	113	111	105	92	85	88
98344534		NEW 210017	57	61	43	15	27	39			8	1.23	0.05	14	15.0	-2.0	40		21.3	56		9.0	-7.3	-2.7	22.5	8	18	0.08	-0.77	-0.41
24-022												62	40	15	61	43	40		42	16		17	25	17	40	18	17	9	8	8
NEW 240033		BOS 200298	108	98	94	97	103	98			89	103	112	101	98	94	91		96	92		93	97	91	120	107	101	89	84	86
98209786		NEW 180072	60	63	48	17	28	41			8	0.09	-0.53	8	10.9	-3.0	21		16.2	42		7.1	-5.1	-2.3	26.9	5	14	-0.25	-0.81	-0.49
24-033												64	45	17	63	48	43		43	16		17	27	17	41	18	17	9	8	8
NEW 240040		BOS 200463	110	98	96	101	112	109			89	111	93	97	98	96	95		98	89	90	96	101	113	112	95	96	91	93	76
98343999		NEW 200002	60	61	47	19	30	41			14	-0.59	0.21	4	11.0	-2.4	29		17.5	33	-28	8.9	-8.5	-6.7	22.4	-2	10	-0.02	-0.28	-1.07
24-040												63	51	19	61	47	42		50	20	10	22	29	21	41	22	21	15	14	13
NEW 240047		BOS 200298	88	101	107	91	106	97			93	89	100	107	101	107	102		99	96		97	105	95	114	112	106	92	85	88
98209992		NEW 190007	60	63	48	15	29	41			8	1.22	-0.06	15	12.6	0.6	48		18.4	58		9.3	-11.3	-3.0	23.7	8	19	0.11	-0.76	-0.40
24-047												64	44	15	63	48	42		38	16		17	28	17	41	18	17	9	8	8
NEW 240051		BOS 200298	99	106	90	90	104	94			96	94	115	109	106	90	92		104	99		100	100	96	113	109	106	97	86	96
98209877		NEW 160106	59	63	48	15	28	41			8	0.86	-0.63	17	15.3	-4.3	24		22.5	70		11.0	-7.5	-3.4	22.9	7	19	0.53	-0.71	0.05
24-051												63	44	15	63	48	42		44	16		17	25	17	42	18	17	9	8	8
NEW 240054		SB 190655	119	99	113	97	96	109	93	103	92	116	101	100	99	113	108		103	99		72	87	91	111	97	99	96	79	77
98209901		NEW 180022	61	63	52	31	34	45	22	40	14	-1.01	-0.08	7	11.6	2.1	61		21.3	68		-4.7	2.4	-2.3	21.6	0	13	0.42	-1.14	-1.03
24-054												64	50	31	63	52	49		48	38		41	37	20	45	42	41	15	13	13
NEW 240055		BOS 200298	70	113	125	83	100	99			107	68	93	116	113	125	124		111	109		108	91	96	114	127	122	104	88	93
98209919		NEW 190014	60	63	48	15	29	41			8	2.99	0.21	26	19.6	5.6	98		27.2	106		15.7	-0.2	-3.2	23.5	17	34	1.28	-0.62	-0.11
24-055												64	44	15	63	48	42		44	16		17	28	17	41	18	17	9	8	8
NEW 240065		BOS 200298	104	97	94	96	100	91			87	101	105	102	97	94	89		95	90		91	102	92	108	104	98	87	84	85
98526528		NEW 200015	58	62	46	15	27	40			8	0.21	-0.25	9	10.2	-3.1	16		15.2	35		6.1	-9.0	-2.4	19.6	4	12	-0.44	-0.83	-0.54
24-065												63	42	15	62	46	41		36	16		17	25	17	38	18	17	9	8	8
NEW 240069		SB 190655	130	94	113	99	95	111	92	104	90	122	113	98	94	113	103		98	97		70	88	91	110	95	96	93	78	76
98531221		NEW 180044	61	63	52	31	34	45	22	40	14	-1.50	-0.58	5	8.6	2.1	50		17.2	60		-5.9	1.7	-2.2	21.0	-2	10	0.20	-1.17	-1.08
24-069												64	50	31	63	52	49		48	38		41	37	20	45	42	41	15	13	13
NEW 240072		BOS 200298	96	103	108	87	102	98			101	96	102	112	103	108	103		101	104		103	97	96	113	120	115	99	87	91
98526569		NEW 190020	58	62	46	15	27	40			8	0.68	-0.11	21	14.1	1.0	50		20.0	85		12.9	-5.2	-3.2	22.6	13	27	0.79	-0.68	-0.23
24-072												63	42	15	62	46	41		44	16		17	25	17	40	18	17	9	8	8
NEW 240077		SB 190655	120	99	107	98	97	107	90	100	87	118	99	100	99	107	102		102	94		68	92	91	109	92	94	91	78	75
98773609		NEW 160068	61	52	50	32	34	43	22	39	14	-1.15	-0.03	7	11.3	0.5	48		20.3	51		-7.0	-1.4	-2.3	20.5	-3	7	0.01	-1.20	-1.13
24-077												64	51	32	52	50	45		39	38		41	38	20	45	42	41	15	13	13

Breeding Values and Accuracies: Cows

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

Inbreeding in red is highValue <80Value >120Breeding 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	
	NEW 250001 98773617 25-001		BOS 200298 NEW 190001	82 48	111 50	104 42	87 15	102 27	95 34			107 8	81 1.88 51	107 -0.34 39	112 20 15	111 18.5 50	104 -0.3 42	108 60 36	110 26.4 38	109 103 16			103 12.8 17	100 -7.5 25	96 -3.3 17	110 21.0 38	118 12 18	117 29 17	106 1.41 9	93 -0.32 8	102 0.41 8
	NEW 250004 99591521 NEW25-4		BOS 200463 NEW 220009	114 64	101 66	96 49	101 25	117 33	117 45			91 14	107 -0.26 67	116 -0.70 53	97 4 25	101 12.6 66	96 -2.4 49	97 36 47	101 20.0 49	92 42 20	88 -26 10		98 10.2 22	110 -15.6 37	117 -7.5 21	112 22.0 42	92 -3 22	96 9 21	94 0.29 15	99 0.02 14	88 -0.37 13
	NEW 250008 99591562 NEW25-8		BOS 200463 NEW 220210	106 59	100 61	96 44	101 19	109 29	107 40			89 14	104 0.00 62	104 -0.22 48	97 4 19	100 12.4 61	96 -2.6 44	96 34 41	100 19.3 44	89 33 20	90 -28 10		96 8.9 22	102 -8.9 29	113 -6.6 21	108 19.5 37	95 -2 22	96 10 21	91 -0.02 15	93 -0.28 14	76 -1.07 13
	NEW 250011 99591596 NEW25-11		TG 210233 NEW 220206	115 54	93 56	92 33	115 13	99 19	103 34			79 8	116 -1.00 59	92 0.27 36	88 -7 13	93 8.3 56	92 -3.6 33	90 17 34	91 12.0 18	85 19 12			90 5.5 15	109 -14.3 16	87 -1.5 10	104 17.5 32	90 -4 14	84 -2 14	80 -1.07 9	85 -0.78 8	75 -1.14 8
	NEW 250013 99591612 NEW25-13		BOS 200298 NEW 180084	104 60	101 63	89 48	97 15	108 27	98 41			90 8	100 0.37 64	111 -0.48 45	102 9 15	101 12.8 63	89 -4.6 48	89 17 42	100 18.9 38	93 46 16			97 9.2 17	106 -12.1 25	96 -3.3 17	117 25.1 40	106 5 18	101 14 17	92 0.04 9	89 -0.55 8	96 0.07 8
	NEW 250014 99591620 NEW25-14		TG 210233 NEW 220207	121 54	94 56	91 33	113 13	99 19	105 34			81 8	121 -1.38 59	93 0.23 36	90 -4 13	94 8.5 56	91 -3.8 33	88 15 34	91 12.3 18	88 27 12			92 6.6 15	108 -13.6 16	88 -1.6 10	104 17.5 32	92 -3 14	86 0 14	83 -0.85 9	85 -0.75 8	76 -1.09 8
	NEW 250015 99591638 NEW25-15		BOS 200298 NEW 190017	76 60	112 62	110 46	84 15	99 27	92 40			106 8	75 2.40 64	109 -0.40 45	116 25 15	112 19.3 62	110 1.4 46	112 70 41	110 26.5 38	108 101 16			107 15.0 17	95 -3.9 25	97 -3.4 17	105 18.2 40	125 16 18	120 32 17	104 1.22 9	87 -0.63 8	93 -0.13 8
	NEW 250016 99591646 NEW25-16		BOS 188154 NEW 210001	88 60	104 62	96 53	98 28	97 35	90 45	83 27	83 41	94 10	83 1.72 63	118 -0.76 50	100 7 28	104 14.5 62	96 -2.5 53	99 41 48	100 18.7 45	94 49 47	100 -39 6		104 13.7 48	90 0.6 37	100 -4.0 26	104 17.2 42	96 -1 48	98 12 48	99 0.72 10	88 -0.60 9	81 -0.78 9
	NEW 250017 99591653 NEW25-17		TG 210233 NEW 220200	124 54	92 56	90 33	114 13	99 19	105 34			80 8	123 -1.60 59	93 0.23 36	89 -6 13	92 7.5 56	90 -4.2 33	86 9 34	90 11.0 18	86 21 12			91 5.8 15	108 -14.1 16	87 -1.5 10	104 17.5 32	91 -4 14	84 -2 14	81 -1.01 9	85 -0.77 8	75 -1.13 8
	NEW 250018 99591661 NEW25-18		BOS 188154 NEW 180057	108 63	95 64	79 57	107 28	108 36	96 47	75 27	86 43	83 10	106 -0.17 65	135 -1.42 54	94 0 28	95 9.0 64	79 -7.2 57	77 -11 50	91 12.1 46	82 7 47	83 -20 6		92 6.8 48	100 -7.7 37	105 -5.1 26	114 23.5 44	82 -9 48	85 -1 48	90 -0.16 10	91 -0.41 9	85 -0.55 9
	NEW 250019 99591679 NEW25-19		TG 210233 NEW 220208	132 54	88 56	87 33	117 13	99 19	105 34			77 8	132 -2.30 59	94 0.19 36	86 -8 13	88 5.2 56	87 -5.1 33	79 -7 34	86 8.1 18	83 12 12			88 4.5 15	110 -14.9 16	86 -1.3 10	104 17.5 32	88 -6 14	81 -5 14	79 -1.26 9	84 -0.80 8	74 -1.19 8
	NEW 250021 99603490 NEW25-21		BOS 166188 NEW 180065	102 63	90 64	73 56	106 42	108 41	84 50	93 22	80 44	85 16	104 0.04 65	143 -1.77 54	94 1 42	90 6.0 64	73 -9.1 56	66 -39 54	91 12.3 42	92 44 30	92 -30 11		90 5.3 33	101 -8.2 46	105 -5.1 29	113 23.0 48	86 -7 34	87 1 33	89 -0.25 17	84 -0.83 16	74 -1.15 16

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																														
NEW 250023	TG 210233		95	110	103	95	99	102			99	98	91	103	110	103	110		106	103		105	102	93	104	110	105	98	88	82
99591687	NEW 220201		54	56	33	13	19	34			8	0.52	0.31	10	18.0	-0.6	66		24.0	84		14.1	-8.7	-2.6	17.5	7	18	0.62	-0.57	-0.73
NEW25-23												59	36	13	56	33	34		18	12		15	16	10	32	14	14	9	8	8
NEW 250024	BOS 200298		82	113	99	88	104	96			104	83	102	112	113	99	106		111	106		102	101	102	108	116	115	104	90	100
99591695	NEW 190013		59	63	48	15	27	40			8	1.76	-0.12	21	19.7	-1.6	56		27.8	95		12.2	-7.9	-4.5	19.5	11	28	1.26	-0.47	0.30
NRE25-24												63	44	15	63	48	42		38	16		17	25	17	38	18	17	9	8	8
NEW 250026	BOS 166188		80	96	89	102	100	80	96	76	88	82	137	97	96	89	86		97	95	95	92	96	104	102	89	90	91	84	75
99603482	NEW 190003		62	53	54	41	40	46	22	41	16	1.84	-1.51	4	9.6	-4.5	8		17.0	54	-34	6.7	-4.0	-4.8	16.3	-5	4	-0.02	-0.80	-1.09
NEW25-26												64	53	41	53	54	49		42	30	11	33	43	29	48	34	33	17	16	16
NEW 250028	BOS 166188		89	93	77	107	103	80	92	76	83	91	141	94	93	77	74		95	91	90	89	97	103	108	84	85	87	84	74
99603516	NEW 180083		62	64	56	41	41	49	22	44	16	1.10	-1.66	0	8.2	-7.9	-20		15.0	39	-29	4.6	-5.0	-4.7	19.8	-8	-1	-0.38	-0.84	-1.18
NEW25-28												64	53	41	64	56	54		41	30	11	33	45	29	48	34	33	17	16	16
NEW 250029	BOS 166188		91	91	83	109	99	81	92	76	82	91	135	93	91	83	77		93	90	89	88	97	102	98	83	84	86	83	73
99603615	NEW 190016		63	64	56	41	40	49	22	44	16	1.11	-1.43	-1	7.0	-6.2	-12		13.7	36	-28	4.2	-5.1	-4.6	13.8	-8	-2	-0.49	-0.86	-1.21
NEW25-29												65	54	41	64	56	54		40	30	11	33	43	29	48	34	33	17	16	16
NEW 250030	BOS 166188		113	85	74	114	102	87	91	81	81	114	143	90	85	74	63		88	89	88	87	93	101	111	82	83	86	83	73
99603524	NEW 180072		63	64	56	42	40	49	22	44	16	-0.79	-1.77	-5	3.6	-8.8	-45		9.4	32	-26	3.7	-2.0	-4.3	21.5	-9	-3	-0.57	-0.87	-1.23
NEW25-30												65	54	42	64	56	54		42	30	11	33	44	29	48	34	33	17	16	16
NEW 250031	BOS 200298		85	104	103	91	99	90			94	86	101	108	104	103	102		102	97		98	99	94	107	113	107	94	85	88
99591703	NEW 190011		59	63	48	15	27	40			8	1.48	-0.08	16	14.6	-0.7	46		20.7	61		9.7	-7.1	-2.8	19.1	9	20	0.22	-0.75	-0.37
NEW25-31												63	44	15	63	48	42		38	16		17	25	17	38	18	17	9	8	8
NEW 250032	BOS 166188		98	85	80	115	99	81	87	75	75	100	143	88	85	80	69		87	84	82	83	99	101	100	76	77	81	82	71
99603532	NEW 160107		63	64	56	41	40	49	22	44	16	0.36	-1.77	-7	3.2	-6.9	-31		9.0	13	-19	1.2	-6.7	-4.2	15.0	-12	-9	-1.06	-0.93	-1.35
NEW25-32												65	54	41	64	56	54		40	30	11	33	43	29	49	34	33	17	16	16
NEW 250034	BOS 211172		78	109	99	87	97	84			99	73	114	113	109	99	101		105	104		98	96	96	103	110	105	96	87	86
99603557	NEW 210019		52	57	41	14	26	36			8	2.58	-0.63	22	17.3	-1.8	45		23.1	86		9.9	-4.2	-3.2	16.4	7	18	0.49	-0.64	-0.49
NEW25-34												57	34	14	57	41	37		27	13		14	27	17	34	14	14	8	7	7
NEW 250037	BOS 211172		72	119	116	80	96	96			110	53	99	121	119	116	121		115	114		107	92	99	102	121	117	106	89	90
99603565	NEW 200005		52	58	43	14	27	37			8	4.24	-0.01	31	23.2	3.2	92		30.8	123		14.9	-1.2	-3.8	15.8	14	30	1.41	-0.53	-0.26
NEW25-37												57	36	14	58	43	38		27	13		14	27	17	36	14	14	8	7	7
NEW 250040	BOS 200298		96	95	98	98	99	90			84	95	105	100	95	98	92		94	88		89	103	90	106	102	96	84	83	84
99591737	NEW 190008		58	62	46	15	27	40			8	0.78	-0.25	7	9.4	-1.9	23		14.3	27		5.1	-10.2	-2.1	18.5	3	9	-0.68	-0.86	-0.60
NEW25-40												63	42	15	62	46	41		36	16		17	25	17	39	18	17	9	8	8
NEW 250041	BOS 166188		113	83	72	115	103	84	90	79	77	113	143	89	83	72	59		87	87	82	85	100	103	104	73	76	84	83	78
99603581	NEW 160106		62	64	56	41	40	49	22	44	16	-0.76	-1.77	-5	2.3	-9.4	-54		8.9	24	-20	2.8	-7.4	-4.7	17.5	-14	-9	-0.76	-0.89	-0.93
NEW25-41												64	53	41	64	56	54		42	30	11	33	43	29	49	34	33	17	16	16

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		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	Sire ID																												
Number	Dam ID																												
Name	% Inbreeding																												
NEW 250043	TG 210233	117	103	93	100	98	104			93	117	94	98	103	93	97	100	98			101	104	91	103	104	98	92	87	80
99591745	NEW 210008	55	58	37	13	20	35			8	-1.09	0.20	5	13.9	-3.4	34	18.8	64			11.4	-10.4	-2.3	16.9	4	12	0.11	-0.63	-0.85
NEW25-43											60	38	13	58	37	36	20	12			15	16	10	33	14	14	9	8	8
NEW 250044		95	87	114							98	93		87	114		85						79						
99591752	NEW 210005	43	48	28							0.52	0.22		4.7	2.4		7.8						1.7						
NEW25-44											49	24		48	28		6						16						
NEW 250045	BOS 211172	77	120	103	82	96	92			109	55	111	120	120	103	113	116	112			105	92	99	101	119	114	104	89	90
99603607	NEW 210014	52	56	37	14	26	35			8	4.08	-0.50	30	23.9	-0.6	72	31.2	115			13.8	-1.4	-3.8	15.1	12	27	1.28	-0.55	-0.29
NEW25-45											57	36	14	56	37	36	27	13			14	27	17	35	14	14	8	7	7
NEW 250048	BOS 211172	75	117	98	82	97	87			109	69	107	120	117	98	106	113	112			105	92	99	102	119	115	104	89	90
99603623	NEW 200006	54	57	41	14	27	37			8	2.87	-0.34	30	22.2	-1.9	56	29.2	116			13.9	-1.4	-3.8	16.0	12	27	1.29	-0.54	-0.29
NEW25-48											58	38	14	57	41	37	27	13			14	27	17	36	14	14	8	7	7
NEW 250050	BOS 211172	76	106	97	92	98	84			90	70	109	106	106	97	99	102	95			91	99	93	104	100	95	88	85	83
99603649	NEW 210017	51	57	41	14	26	36			8	2.82	-0.42	14	15.4	-2.3	40	20.9	54			5.7	-6.4	-2.8	17.5	1	8	-0.29	-0.74	-0.68
NEW25-50											56	34	14	57	41	37	28	13			14	27	17	35	14	14	8	7	7
NEW 250051		105	85	101	115						107	93	87	85	101	89	83				93		84						
99600900	NEW 160068	47	50	32	15						-0.21	0.21	-7	3.6	-1.0	15	6.3				-1.8		5.1						
NEW25-51											51	31	15	50	32	32	6				11		24						
NEW 250053	BOS 211172	76	114	100	87	99	89			99	61	109	113	114	100	107	110	103			97	95	96	106	109	104	96	87	86
99603664	NEW 200002	53	57	41	14	27	37			8	3.60	-0.39	22	20.1	-1.5	58	26.6	83			9.6	-3.9	-3.3	18.6	6	17	0.47	-0.65	-0.49
NEW25-53											58	36	14	57	41	37	28	13			14	27	17	36	14	14	8	7	7
NEW 250054		109	82	97							114	79		82	97		80						76						
99600918	NEW 190010	46	50	34							-0.86	0.79		1.5	-2.3		3.7						0.1						
NEW25-54											51	30		50	34		6						22						
NEW 250055		77	102	119							80	97		102	119								78						
99600926	NEW 210012	43	48	27							2.01	0.06		13.0	3.9								1.0						
NEW25-55											49	24		48	27								18						
NEW 250056		94	83	112							97	92		83	112								77						
99600934	NEW 210010	43	48	27							0.62	0.26		2.2	2.0								0.7						
NEW25-56											49	24		48	27								18						
NEW 250063		101	93	123							104	91		93	123		91				81		79						
99600991	NEW 200012	45	49	31							0.04	0.32		8.2	5.2		12.4				7.1		1.7						
NEW25-63											50	28		49	31		6				11		19						
NEW 250064		83	90	124							86	95		90	124		89						87						
99601007	NEW 180033	46	50	34							1.50	0.13		6.6	5.2		10.3						6.8						
NEW25-64											51	30		50	34		5						23						

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																														
NEW 250067		NEW 200015	121 45	82 49	93 31							120 -1.36 50	96 0.12 27		82 1.5 49	93 -3.3 31							77 0.7 18							
NEW 250070		NEW 200014	122 45	75 49	99 31							122 -1.49 50	93 0.21 28		75 -2.4 49	99 -1.8 31			74 -1.1 6				93 -1.7 11	78 1.3 18						
NEW 250071	BOS 166188	NEW 190007	101 62	87 64	88 56	109 41	104 41	89 49	92 22	84 44	82 16	100 0.35 64	135 -1.43 53	93 -1 41	87 4.6 64	88 -4.9 56	76 -13 54	90 10.9 41	90 37 30	90 -28 11	88 4.4 33	102 -9.0 45	104 -4.9 29	105 18.0 48	84 -8 34	84 -1 33	86 -0.49 17	83 -0.86 16	73 -1.21 16	
NEW 250072		NEW 180045	77 46	98 50	126 34							82 1.81 51	92 0.27 30		98 10.7 50	126 5.8 34							83 4.1 22							
NEW 250076		NEW 200013	102 45	78 49	116 31							104 0.03 50	95 0.16 27		78 -0.7 49	116 3.1 31							77 0.7 19							
NEW 250078		NEW 190018	104 46	75 49	96 31							103 0.05 51	98 0.01 30		75 -2.5 49	96 -2.5 31							76 0.2 22							
NEW 250079		NEW 210004	108 43	88 48	110 27							108 -0.34 49	96 0.10 24		88 5.1 48	110 1.3 27							77 0.3 18							
NEW 250080		NEW 200008	105 45	88 49	107 31							107 -0.26 50	92 0.26 28		88 4.9 49	107 0.5 31		86 8.0 6				81 7.2 11	79 1.9 18							
NEW 260019	BOS 177177	NEW 230211	81 57	106 48	100 40	97 26	119 34	106 38			92 12	80 2.03 61	110 -0.43 45	101 8 26	106 15.6 48	100 -1.3 40	105 53 38	106 23.7 45	95 53 21	96 -35 8	94 7.7 23	113 -17.3 36	120 -8.1 26	112 22.2 40	97 0 22	97 11 22	93 0.18 13	98 -0.02 12	76 -1.06 11	
NEW 260020	3	BOS 177177	86 62	115 57	99 47	86 30	124 39	113 44	109 20	110 39	114 18	83 1.71 66	112 -0.54 50	114 23 30	115 21.0 57	99 -1.6 47	108 60 45	116 31.7 52	116 129 29	113 -53 8	108 15.7 31	116 -19.9 45	126 -9.3 28	114 23.2 45	104 4 31	115 28 30	114 2.27 19	120 1.29 18	100 0.30 17	
NEW 260025	BOS 122163	NEW 230006	108 61	92 57	90 52	117 31	99 47	98 46	88 26	91 42	82 26	103 0.09 65	112 -0.53 47	86 -9 31	92 7.2 57	90 -4.3 52	86 9 47	89 10.8 52	88 28 37	79 -16 13	88 4.2 40	96 -4.3 52	96 -3.3 37	105 18.2 52	71 -15 40	83 -3 39	95 0.33 27	73 -1.45 24	75 -1.15 24	
NEW 260029	VOVA230280	NEW 220230	129 51	88 31	95 31	102 14	94 22	95 28	94 20	90 26	98 6	127 -1.87 56	96 0.09 33	97 3 14	88 5.2 31	95 -2.9 31	82 0 25	87 9.2 24	102 81 32		104 13.5 36	90 0.6 23	96 -3.3 12	100 15.0 30	98 0 37	96 10 36	99 0.80 6	85 -0.74 5	79 -0.89 5	

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal		Selection Values									Birth		Wean				Growth			Fertility				Frame		Carcass		
Index EBV Acc	% Inbreeding	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																												
NEW 260037 6020751464 NEW26-37	VOVA230280 NEW 180084	133 54	92 37	78 40	111 14	100 23	101 31	93 20	95 29	95 6	127 -1.87 58	109 -0.41 39	92 -2 14	92 7.4 37	78 -7.7 40	73 -21 30	91 12.3 26	99 70 32		105 13.7 36	95 -3.5 23	99 -4.0 12	107 19.1 33	92 -3 37	92 6 36	99 0.75 6	89 -0.52 5	87 -0.42 5
NEW 260038 6020751472 NEW26-38	VOVA230280 NEW 180072	128 54	82 37	83 40	115 16	94 23	91 32	88 20	85 30	90 6	140 -2.95 58	107 -0.31 39	88 -6 16	82 1.6 37	83 -6.2 40	68 -33 31	81 4.6 26	95 53 32		98 9.8 36	87 2.4 25	93 -2.7 12	106 18.5 33	89 -5 37	87 1 36	92 0.10 6	84 -0.83 5	76 -1.07 5
NEW 260041 6020751449 NEW26-41	VOVA230280 NEW 210014	125 52	88 31	96 31	102 14	91 22	92 28	93 20	87 26	97 6	126 -1.80 57	89 0.38 35	96 3 14	88 5.4 31	96 -2.6 31	84 4 25	88 9.6 24	102 78 32		104 13.2 36	89 1.0 23	96 -3.3 12	94 10.8 31	97 0 37	96 9 36	99 0.73 6	85 -0.75 5	79 -0.91 5
NEW 260042 6020734668 NEW26-42	BOS 122163 NEW 230055	95 61	104 58	109 52	105 31	99 47	107 46	98 26	102 42	97 22	93 0.88 65	106 -0.29 47	94 0 31	104 14.3 58	109 1.2 52	113 74 47	102 20.7 52	101 77 35	95 -34 13	89 4.6 39	88 2.0 52	100 -4.2 37	109 20.4 52	93 -2 39	102 15 38	101 0.94 23	96 -0.15 21	89 -0.34 20
NEW 260046 6020734676 NEW26-46	NEW 230028 NEW 230015	81 55	113 44	94 35	96 22	93 27	89 34			103 16	78 2.19 60	121 -0.90 39	102 10 22	113 19.7 44	94 -3.1 35	106 57 34	111 27.8 36	105 92 32		101 11.5 33	80 8.1 33	94 -2.8 15	109 20.4 33	88 -5 33	101 14 33	114 2.27 17	73 -1.46 15	88 -0.41 15
NEW 260050 6020734700 NEW26-50	BOS 177177 NEW 190016	101 61	98 53	91 51	99 26	116 35	103 42			90 12	98 0.47 64	106 -0.31 51	99 6 26	98 10.8 53	91 -4.0 51	88 15 43	98 17.7 45	93 46 21	94 -32 8	92 6.7 23	113 -17.6 36	120 -8.0 26	107 18.8 44	95 -2 22	95 8 22	91 0.00 13	97 -0.04 12	75 -1.10 11

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	BOS 177177	BOS177177	BOS 144451	BOS 144091	1.8	HH	0	0	0		87	96	114	96	81	92	92	89	142	90	123	85	109	88	119	86
2	NEW 230057	23-57	PB 190051	NEW 200016	0.0	HH	0	0	0		106	81	108	82	111	79	90	77	121	78	124	73	108	76	120	74
3	SB 190655	SB190655	SB 12171M	SB 170212	0.0	HH	0	0	0		130	94	110	96	119	86	92	85	91	86	121	82	112	86	117	83
1	NEW 230011	23-011	BOS 199209	NEW 180032	0.0	HH	1	0	0		101	84	109	85	93	83	102	81	116	82	116	76	100	80	110	77
1	BOS 200298	BOS200298	BOS 166105	BOS 144480	6.3	HH	1	0	0		77	95	122	96	99	90	80	84	111	86	101	83	110	84	99	83
2	NEW 230007	23-007	BOS 166103	NEW 180084	0.0	HH	1	0	0		90	84	121	84	79	82	91	80	113	81	102	75	109	80	100	76
3	NEW 230016	23-016	BOS 199209	NEW 160106	0.0	PcH	0	0	0		125	83	92	84	82	82	112	80	110	81	107	75	98	80	102	76
4	NEW 230028	23-028	BOS 188154	NEW 190001	0.0	HH	0	0	0		73	85	128	85	91	83	90	81	105	82	102	76	113	81	100	77
1	BOS 211172	BOS211172	S 177023	BOS 122381	2.8	HH	1	0	0		76	86	134	88	83	85	74	81	106	83	95	78	123	80	96	78
2	NEW 230014	23-014	BOS 177663	NEW 180057	0.0	HH	1	0	0		83	83	119	84	93	82	81	79	110	80	99	75	104	80	96	76
3	NEW 230024	23-024	BOS 177663	NEW 190013	0.0	HH	1	0	0		81	83	124	84	90	82	85	79	103	80	97	75	122	80	98	76
4	NEW 240008	24-008	BOS 199424	NEW 210008	0.0						101	58	105	61	93	47	90	21	108	29	99	41				
5	NEW 240014	24-014	BOS 188154	NEW 180065	0.0						103	63	92	64	82	57	105	30	109	37	92	47	78	27	83	43
6	NEW 240020	24-020	BOS 188154	NEW 190003	0.0						90	62	103	63	92	55	96	28	101	36	90	46	85	27	83	42
7	NEW 240032	24-032	BOS 200298	NEW 200007	0.0						93	57	103	61	95	43	90	15	102	29	90	39				
8	NEW 240053	24-053	BOS 200298	NEW 200008	0.0						81	59	107	62	108	46	85	15	100	28	90	40				
9	NEW 240060	24-060	BOS 200298	NEW 200017	0.0						82	58	106	61	107	43	87	15	103	27	93	39				
10	NEW 240061	24-061	BOS 200298	NEW 200001	0.0						77	59	107	62	110	46	83	15	106	28	93	40				
1	AHD 140147	140147		AHD 100113	0.0	HH	0	0	0		83	94	120	94	69	91	83	85	93	88	74	83	112	83	74	83

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID			Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc			
								nt821	Q204X	F94L	Genomic tested	★★★★★										
1	NEW 230038	23-38	SB 190655	NEW 160068	0.0							11864	10262	10750	10032	9839	11246	8722	10441			
2	NEW 230048	23-48	SB 190655	NEW 190007	0.0							10364	10463	12052	9331	10239	11247	9722	10642			
3	NEW 240069	24-069	SB 190655	NEW 180044	0.0							13061	9463	11352	9931	9534	11145	9222	10440			
												★★★★☆										
1	NEW 220009	22-9	PB 190051	NEW 180065	0.0							12564	8364	10257	11062	10632	10752					
2	NEW 230018	23-018	BOS 199209	NEW 190003	0.0							10754	9262	9349	11622	10233	10242					
3	NEW 230022	23-022	SB 190655	NEW 200011	0.0							12862	9461	11448	9531	8439	10145	9622	9640			
4	NEW 230025	23-025	SB 190655	NEW 190011	0.0							12761	9263	11052	10231	9034	10445	9022	9740			
5	NEW 230039	23-39	SB 190655	NEW 180083	0.0							12164	9463	10552	10331	9439	10447	8922	9742			
6	NEW 230046	23-46	SB 190655	NEW 190004	0.0							10960	10661	11948	9231	8934	10544	9922	10040			
7	NEW 230055	23-55	SB 190655	NEW 190014	0.0							9464	11163	13152	8631	8739	10547	10522	10142			
8	NEW 230064	23-0064	SB 190655	NEW 190010	0.0							10761	10063	10752	10131	9234	10045	9022	9440			
9	NEW 240005	24-005	BOS 199424	NEW 210007	0.0							8858	11861	10647	8221	10629	10441					
10	NEW 240040	24-040	BOS 200463	NEW 200002	0.0							11060	9861	9647	10119	11230	10941					
11	NEW 240054	24-054	SB 190655	NEW 180022	0.0							11961	9963	11352	9731	9634	10945	9322	10340			
12	NEW 240077	24-077	SB 190655	NEW 160068	0.0							12061	9952	10750	9832	9734	10743	9022	10039			
												★★★★										
1	NEW 220002	22-2	SB 170563	NEW 190015	0.0							11657	9360	10546	9227	9231	9242	7524	8338			
2	NEW 220004	22-4	SB 170563	NEW 190011	0.0							10956	9360	11146	9227	8731	9041	7524	8138			
3	NEW 220006	22-6	SB 170563	NEW 190004	0.0							10456	9458	12342	9127	8631	9240	7624	8337			
4	NEW 220012	22-12	WO 140179	NEW 190013	0.0							9362	10864	10958	9046	8744	9151	10732	8947			
5	NEW 220023	22-23	SB 170563	NEW 180072	0.0							12660	8562	10656	10838	8738	9647	6924	8642			
6	NEW 220043	22-43	PB 190051	NEW 160068	0.0							11362	9063	10255	9562	10627	9850					
7	NEW 230001	23-001	BOS 166103	NEW 200001	0.0							7662	10762	10749	8831	10341	9246	10024	8842			
8	NEW 230003	23-003	BOS 177663	NEW 200003	0.0							8562	10562	11550	8932	9139	9046	10023	8641			
9	NEW 230012	23-012	BOS 188154	NEW 190015	0.0							10664	8964	8557	11328	10741	9648	7327	8644			
10	NEW 230013	23-013	BOS 188154	NEW 180065	0.0							10665	9264	7857	11130	11142	9648	7527	8744			
11	NEW 230019	23-019	BOS 188154	NEW 200010	0.0							8561	11062	9053	9728	9836	9045	8427	8341			

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID			Name	Sire ID	Dam ID	% Inbreeding	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				
							Horned / Polled	nt821	Q204X	F94L	Genomic tested											
												★★★★										
12	NEW 230021	23-021	BOS 199424	NEW 190017	0.0							10060	10362	10049	8921	10330	9642					
13	NEW 230030	23-030	BOS 166103	NEW 200012	0.0							7962	11662	11749	8131	9941	9946	10924	9742			
14	NEW 230065	23-0065	SB 190655	NEW 190005	0.0							11864	9262	11450	10131	8239	9546	9122	8941			
15	NEW 240001	24-001	BOS 199424	NEW 210002	0.0							8759	10260	9344	9821	10529	9240					
16	NEW 240002	24-002	BOS 199424	NEW 210003	0.0							8258	10861	10647	8721	10629	9741					
17	NEW 240006	24-006	BOS 188154	NEW 210005	0.0							9060	10962	9253	9528	10035	9345	8527	8641			
18	NEW 240010	24-010	BOS 199424	NEW 210013	0.0							10558	9761	9047	9621	10629	9441					
19	NEW 240013	24-013	BOS 188154	NEW 180057	0.0							8963	10864	7857	9628	11036	9247	8327	8543			
20	NEW 240022	24-022	BOS 200298	NEW 210017	0.0							8757	10561	9843	9215	10227	9239					
21	NEW 240033	24-033	BOS 200298	NEW 180072	0.0							10860	9863	9448	9717	10328	9841					
22	NEW 240047	24-047	BOS 200298	NEW 190007	0.0							8860	10163	10748	9115	10629	9741					
23	NEW 240051	24-051	BOS 200298	NEW 160106	0.0							9959	10663	9048	9015	10428	9441					
24	NEW 240055	24-055	BOS 200298	NEW 190014	0.0							7060	11363	12548	8315	10029	9941					
25	NEW 240065	24-065	BOS 200298	NEW 200015	0.0							10458	9762	9446	9615	10027	9140					
26	NEW 240072	24-072	BOS 200298	NEW 190020	0.0							9658	10362	10846	8715	10227	9840					
												★★★★☆										
1	NEW 220005	22-5	SB 170563	NEW 190021	0.0							10954	9057	11439	9527	8631	8939	7224	7936			
2	NEW 220021	22-21	WO 140179	NEW 160094	0.0							11366	9964	9162	9553	8949	8854	9832	8450			
3	NEW 230002	23-002	BOS 177663	NEW 200002	0.0							8062	10750	10447	9432	8934	8542	9323	8038			
4	NEW 230006	23-006	BOS 177663	NEW 200007	0.0							10261	9461	9648	10432	8639	8345	8523	7741			
5	NEW 230008	23-008	BOS 177663	NEW 200008	0.0							10062	9762	10450	9532	8339	8246	9223	7841			
6	NEW 230009	23-009	BOS 177663	NEW 200009	0.0							9160	10962	9850	8932	8733	8544	9923	8140			
7	NEW 230034	23-34	BOS 177663	NEW 200014	0.0							10162	9662	9550	10032	9239	8746	8823	8141			
8	NEW 230035	23-35	BOS 188154	NEW 140002	0.0							9863	9762	8353	10428	9840	8546	7827	7742			
9	NEW 240015	24-015	BOS 200298	NEW 190012	0.0							9858	9462	9246	10215	10128	8940					
												★★★										
1	NEW 230015	23-015	BOS 177663	NEW 160094	0.0							9962	9461	9548	10433	8140	7746	8523	7141			

Selection List on Cow Value

Bull Calves 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	NEW 250007	NEW25-7		BOS 200463	NEW 220023	1.3					114	63	102	65	98	48	97	28	108	34	110	45	85	20	102	40	
2	NEW 260021	NEW26-21		BOS 122163	NEW 230048	0.4					91	61	103	58	105	52	112	31	107	47	112	46	94	26	105	42	
											★★★★☆																
1	NEW 250002	NEW25-2		BOS 200463	NEW 220021	0.9					109	64	108	66	91	50	94	33	109	38	107	47	98	22	102	42	
2	NEW 250003	NEW25-3		BOS 200463	NEW 220214	0.0					100	59	106	61	99	44	92	19	110	29	106	40					
3	NEW 250005	NEW25-5		BOS 200463	NEW 220203	0.0					97	59	105	48	100	39	97	19	110	29	107	36					
4	NEW 250006	NEW26-6		BOS 200463	NEW 220209	0.0					93	59	107	48	101	39	97	19	110	29	107	36					
5	NEW 250009	NEW25-9		BOS 200463	NEW 220230	0.0					101	59	108	61	100	44	90	19	110	29	107	40					
6	NEW 250036	NEW25-36		TG 210233	NEW 220202	0.0					110	54	101	56	96	33	98	13	99	19	101	34					
7	NEW 250039	NEW25-39		TG 210233	NEW 220043	0.0					117	60	98	62	96	38	100	20	107	24	107	39					
8	NEW 250082	NEW25-82		TG 210233	NEW 200001	0.0					116	57	95	59	101	39	99	13	100	21	102	36					
9	NEW 260001	26-001		TG 210233	NEW 190001	0.0					106	45	108	44	96	35	98	13	100	20	105	30					
10	NEW 260006	NEW26-6		BOS 177177	NEW 230012	1.0					104	64	99	57	82	49	100	30	128	40	109	45	91	20	102	40	
11	NEW 260014	NEW26-14		BOS 177177	NEW 230209	0.0					101	57	99	48	94	40	97	26	119	34	106	38					
12	NEW 260022	NEW26-22		VOVA230014	NEW 230038	0.1					101	57	106	46	106	39	95	26	98	31	103	37	88	23	96	34	
13	NEW 260023	NEW26-23		BOS 177341	NEW 230013	1.5					107	64	90	57	90	49	114	25	107	40	101	44	82	20	93	39	
14	NEW 260026	NEW26-26		BOS 177177	NEW 230035	1.0					100	63	103	57	81	48	97	30	123	39	105	44	94	20	99	39	
15	NEW 260028	NEW26-28		BOS 122163	NEW 230039	0.4					121	61	91	58	93	52	117	31	103	47	108	46	90	26	101	42	
16	NEW 260030	NEW26-30		VOVA230280	NEW 180057	0.0					138	54	89	37	80	40	102	14	103	23	100	31	92	20	94	29	
17	NEW 260031	NEW26-31		BOS 122163	NEW 230022	0.4					122	61	92	57	99	52	113	31	98	47	107	46	93	26	101	42	
18	NEW 260034	NEW26-34		VOVA230280	NEW 220009	0.0					133	56	86	43	88	37	109	20	101	27	101	34	94	20	96	31	
19	NEW 260040	NEW26-40		BOS 177177	NEW 160107	0.0					113	61	95	53	87	51	102	26	117	35	106	42					
20	NEW 260048	NEW26-48		BOS 177177	NEW 200006	0.0					91	61	103	51	102	47	95	26	117	35	107	41					
											★★★★★																
1	NEW 250010	NEW25-10		BOS 200298	NEW 180032	0.0					91	59	108	63	101	48	86	15	105	28	97	41					
2	NEW 250012	NEW25-12		BOS 188154	NEW 210003	0.0					79	60	117	62	98	53	86	28	99	35	92	45	96	27	87	41	
3	NEW 250033	NEW25-33		BOS 211172	NEW 210007	0.0					80	52	117	57	104	41	76	14	98	26	90	36					
4	NEW 260004	NEW26-4		VOVA230014	NEW 220021	0.3					116	58	98	47	94	43	93	34	94	34	92	40	93	26	87	37	

Selection List on Cow Value

Bull Calves younger than 2 years

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	
5	NEW 260011	NEW26-11	BOS 177341	NEW 230001	3.5		77 63	104 57	109 48	100 25	103 39	98 43	95 20	92 38	
6	NEW 260015	NEW26-15	BOS 177341	NEW 230207	0.0		92 58	92 47	109 41	112 20	97 34	97 37			
7	NEW 260018	NEW26-018	BOS 177341	NEW 230003	0.0		81 63	103 57	113 48	100 25	97 39	97 43	94 20	92 38	
8	NEW 260024	NEW26-24	VOVA230014	NEW 230034	0.0		100 57	100 46	99 39	95 26	95 30	91 37	88 23	85 34	
9	NEW 260027	NEW26-27	VOVA230280	NEW 180065	0.0		127 55	80 37	81 41	113 16	100 24	91 32	88 20	85 30	
10	NEW 260036	NEW26-36	BOS 177341	NEW 230002	0.0		78 63	106 54	109 47	104 25	96 38	97 42	91 20	91 38	
11	NEW 260039	NEW26-39	VOVA230014	NEW 190017	0.0		105 55	93 40	110 42	94 20	92 25	91 34	85 20	84 31	
12	NEW 260043	NEW26-43	VOVA230280	NEW 210002	0.0		112 52	93 31	88 31	111 14	91 22	91 28	89 20	85 26	
13	NEW 260047	NEW26-47	NEW 230028	NEW 230212	0.0		101 49	102 31	96 26	96 14	98 19	94 26			
14	NEW 260049	NEW26-49	VOVA230280	NEW 210006	0.0		121 52	90 34	93 35	105 14	91 22	92 29	92 20	87 27	
15	NEW 260051	NEW26-51	NEW 230028	NEW 230065	0.0		96 56	111 44	103 36	95 21	94 27	99 34			
1	NEW 250027	NEW25-27	BOS 166188	NEW 160011	0.0		113 62	87 64	75 56	101 41	104 40	83 49	97 22	79 44	
2	NEW 250035	NEW25-35	BOS 166188	NEW 200010	0.0		91 61	93 52	86 52	103 41	100 39	82 45	95 22	78 40	
3	NEW 250038	NEW25-38	BOS 211172	NEW 200017	0.0		75 52	117 57	101 41	81 14	98 27	89 36			
4	NEW 250046	NEW25-46	BOS 211172	NEW 210013	0.0		88 51	105 57	88 41	87 14	98 26	81 36			
5	NEW 250049	NEW25-49	BOS 211172	NEW 210006	0.0		75 52	108 57	96 41	86 14	97 26	81 36			
6	NEW 250074	NEW25-74	BOS 166188	NEW 190002	0.0		76 62	101 64	101 56	93 41	100 40	83 49	105 22	81 44	
7	NEW 250081	NEW25-81	BOS 166188	NEW 190004	0.0		77 61	99 52	96 52	100 41	99 40	82 45	97 22	78 40	
8	NEW 250084	NEW25-84	BOS 166188	NEW 190014	0.0		75 62	101 64	108 56	92 41	99 41	87 49	105 22	84 44	
1	NEW 250042	NEW25-42	BOS 211172	NEW 210016	0.0		77 52	105 57	94 41	88 14	98 26	79 36			

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	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value									
								nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc								
										★★★★★																
1	NEW 250004	NEW25-4	BOS 200463	NEW 220009	0.0						114	64	101	66	96	49	101	25	117	33	117	45				
2	NEW 260020	NEW26-20	BOS 177177	NEW 230030	2.8						86	62	115	57	99	47	86	30	124	39	113	44	109	20	110	39
										★★★★☆																
1	NEW 250008	NEW25-8	BOS 200463	NEW 220210	0.0						106	59	100	61	96	44	101	19	109	29	107	40				
2	NEW 250011	NEW25-11	TG 210233	NEW 220206	0.0						115	54	93	56	92	33	115	13	99	19	103	34				
3	NEW 250014	NEW25-14	TG 210233	NEW 220207	0.0						121	54	94	56	91	33	113	13	99	19	105	34				
4	NEW 250017	NEW25-17	TG 210233	NEW 220200	0.0						124	54	92	56	90	33	114	13	99	19	105	34				
5	NEW 250019	NEW25-19	TG 210233	NEW 220208	0.0						132	54	88	56	87	33	117	13	99	19	105	34				
6	NEW 250023	NEW25-23	TG 210233	NEW 220201	0.0						95	54	110	56	103	33	95	13	99	19	102	34				
7	NEW 250043	NEW25-43	TG 210233	NEW 210008	0.0						117	55	103	58	93	37	100	13	98	20	104	35				
8	NEW 260019	NEW26-019	BOS 177177	NEW 230211	0.0						81	57	106	48	100	40	97	26	119	34	106	38				
9	NEW 260037	NEW26-37	VOVA230280	NEW 180084	0.0						133	54	92	37	78	40	111	14	100	23	101	31	93	20	95	29
10	NEW 260042	NEW26-42	BOS 122163	NEW 230055	0.4						95	61	104	58	109	52	105	31	99	47	107	46	98	26	102	42
11	NEW 260050	NEW26-50	BOS 177177	NEW 190016	0.0						101	61	98	53	91	51	99	26	116	35	103	42				
										★★★★★																
1	NEW 250001	25-001	BOS 200298	NEW 190001	0.0						82	48	111	50	104	42	87	15	102	27	95	34				
2	NEW 250013	NEW25-13	BOS 200298	NEW 180084	0.0						104	60	101	63	89	48	97	15	108	27	98	41				
3	NEW 250015	NEW25-15	BOS 200298	NEW 190017	0.0						76	60	112	62	110	46	84	15	99	27	92	40				
4	NEW 250016	NEW25-16	BOS 188154	NEW 210001	0.0						88	60	104	62	96	53	98	28	97	35	90	45	83	27	83	41
5	NEW 250018	NEW25-18	BOS 188154	NEW 180057	0.0						108	63	95	64	79	57	107	28	108	36	96	47	75	27	86	43
6	NEW 250024	NRE25-24	BOS 200298	NEW 190013	0.0						82	59	113	63	99	48	88	15	104	27	96	40				
7	NEW 250031	NEW25-31	BOS 200298	NEW 190011	0.0						85	59	104	63	103	48	91	15	99	27	90	40				
8	NEW 250037	NEW25-37	BOS 211172	NEW 200005	0.0						72	52	119	58	116	43	80	14	96	27	96	37				
9	NEW 250040	NEW25-40	BOS 200298	NEW 190008	0.0						96	58	95	62	98	46	98	15	99	27	90	40				
10	NEW 250045	NEW25-45	BOS 211172	NEW 210014	0.0						77	52	120	56	103	37	82	14	96	26	92	35				
11	NEW 260025	NEW26-25	BOS 122163	NEW 230006	0.0						108	61	92	57	90	52	117	31	99	47	98	46	88	26	91	42
12	NEW 260029	NEW26-29	VOVA230280	NEW 220230	0.0						129	51	88	31	95	31	102	14	94	22	95	28	94	20	90	26
13	NEW 260038	NEW26-38	VOVA230280	NEW 180072	0.0						128	54	82	37	83	40	115	16	94	23	91	32	88	20	85	30

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									
								nt821	Q204X	F94L	Genomic tested															
14	NEW 260041	NEW26-41	VOVA230280	NEW 210014	0.0					125	52	88	31	96	31	102	14	91	22	92	28	93	20	87	26	
1	NEW 250021	NEW25-21	BOS 166188	NEW 180065	0.0					102	63	90	64	73	56	106	42	108	41	84	50	93	22	80	44	
2	NEW 250026	NEW25-26	BOS 166188	NEW 190003	0.0					80	62	96	53	89	54	102	41	100	40	80	46	96	22	76	41	
3	NEW 250028	NEW25-28	BOS 166188	NEW 180083	0.0					89	62	93	64	77	56	107	41	103	41	80	49	92	22	76	44	
4	NEW 250029	NEW25-29	BOS 166188	NEW 190016	0.0					91	63	91	64	83	56	109	41	99	40	81	49	92	22	76	44	
5	NEW 250030	NEW25-30	BOS 166188	NEW 180072	0.0					113	63	85	64	74	56	114	42	102	40	87	49	91	22	81	44	
6	NEW 250032	NEW25-32	BOS 166188	NEW 160107	0.0					98	63	85	64	80	56	115	41	99	40	81	49	87	22	75	44	
7	NEW 250034	NEW25-34	BOS 211172	NEW 210019	0.0					78	52	109	57	99	41	87	14	97	26	84	36					
8	NEW 250041	NEW25-41	BOS 166188	NEW 160106	0.0					113	62	83	64	72	56	115	41	103	40	84	49	90	22	79	44	
9	NEW 250048	NEW25-48	BOS 211172	NEW 200006	0.0					75	54	117	57	98	41	82	14	97	27	87	37					
10	NEW 250050	NEW25-50	BOS 211172	NEW 210017	0.0					76	51	106	57	97	41	92	14	98	26	84	36					
11	NEW 250053	NEW25-53	BOS 211172	NEW 200002	0.0					76	53	114	57	100	41	87	14	99	27	89	37					
12	NEW 250071	NEW25-71	BOS 166188	NEW 190007	0.0					101	62	87	64	88	56	109	41	104	41	89	49	92	22	84	44	
13	NEW 260046	NEW26-46	NEW 230028	NEW 230015	0.0					81	55	113	44	94	35	96	22	93	27	89	34					

	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.

