

HUGENOOT

GENOMIC BREEDING VALUE REPORT

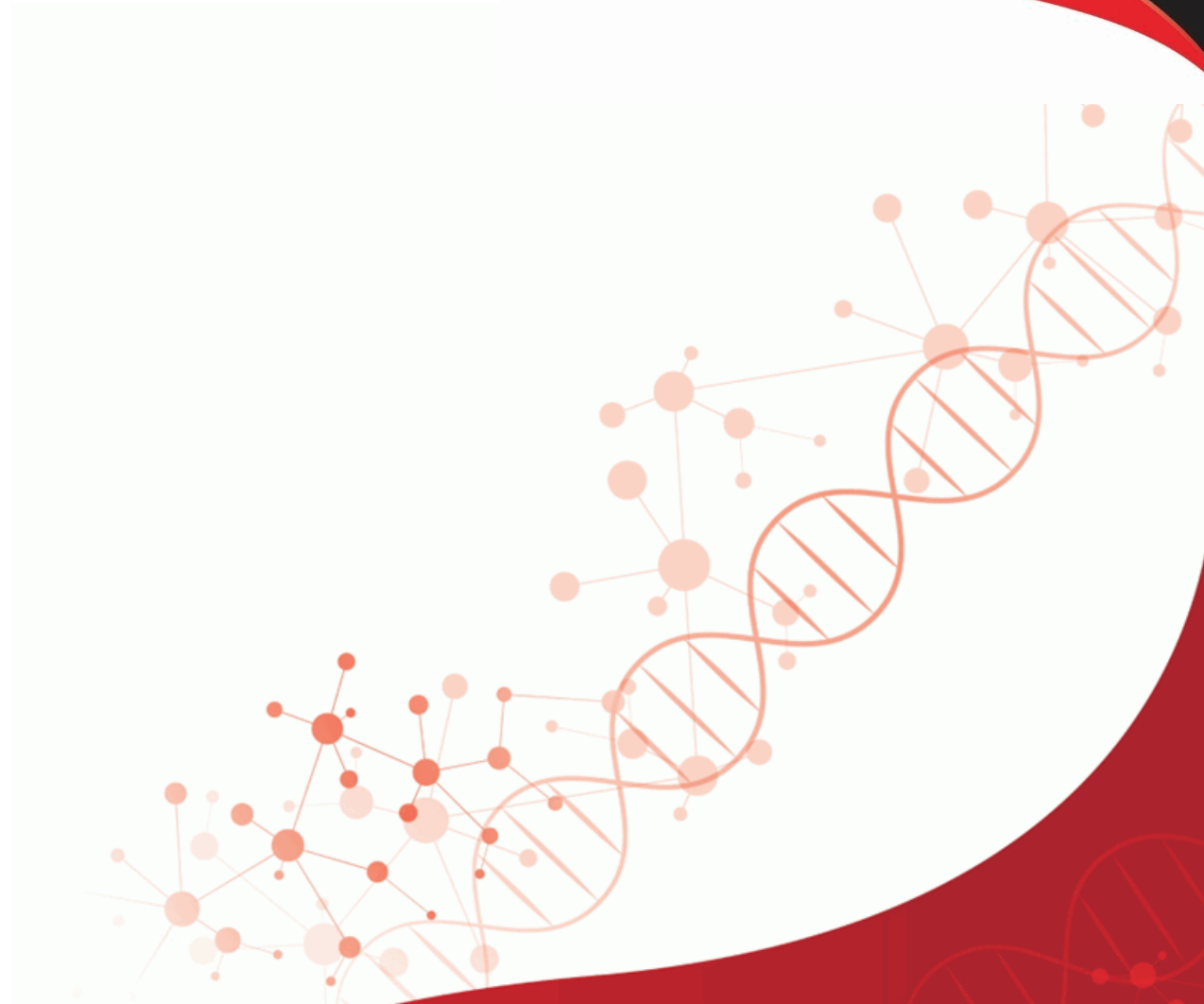
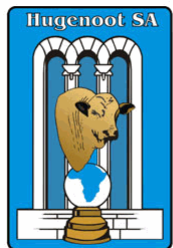
September 2026



CTL BOERDERY PTY LTD

Herd Number: 700527

E-mail: mary@netmobile.co.za



EBVs, EBVi's and GEBVs

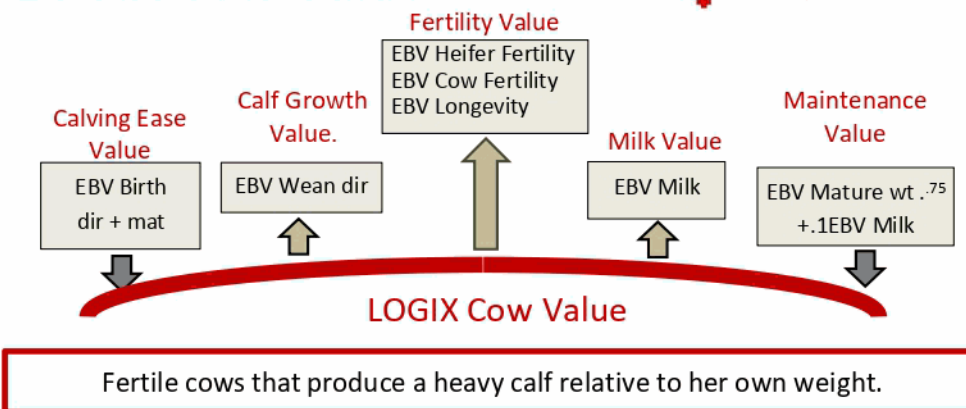
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

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)

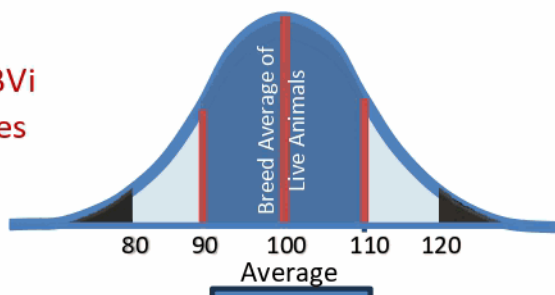
- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

LOW- MAINTENANCE ANIMALS

(HARSH ENVIRONMENT)

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

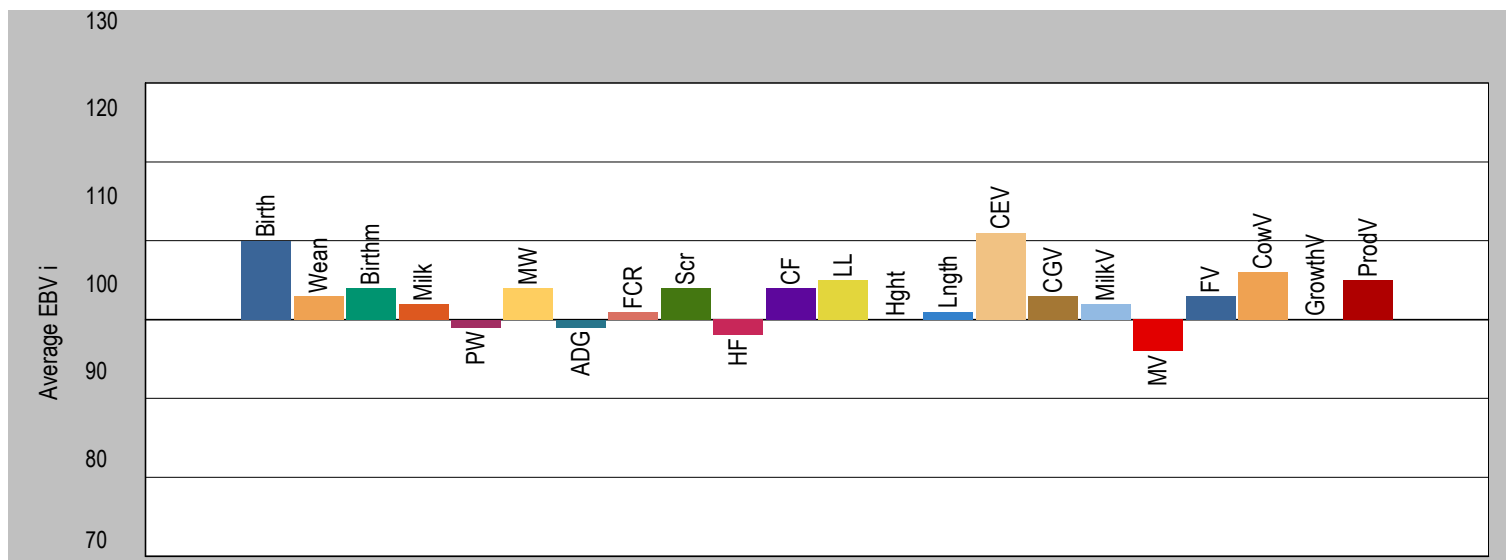
Interpretation of EBVi and Selection Values



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

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		
FCR:	Feed Conversion Ratio		

Selection Values:

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

	Trait	EBV Herd	EBV Index	EBV Breed
Prewean Growth	Birth Weight	-0.67	110	0.30
	Wean Weight	7.7	103	6.6
	Birth Mat.	-0.12	104	0.03
	Milk (Wn.Mat.)	4.7	102	4.2
Postwean Growth	Postwean Wt	7.0	99	7.8
	Mature Weight	10	104	8
	ADG	101	99	103
	FCR	-3	101	-2
Fertility	Scrotal Circumf.	14.9	104	13.1
	Heifer Fertility	-4.4	98	-6.1
	Cow Fertility	-1.8	104	-1.0
	Longevity	20.3	105	18.1
Frame	Height	8	100	8
	Length	12	101	11

Selection Value	Ave. Herd
Calving Ease	111
Calf Growth	103
Milk	102
Maintenance	96
Fertility	103
Cow Value	106
Growth Value	100
Production Value	105

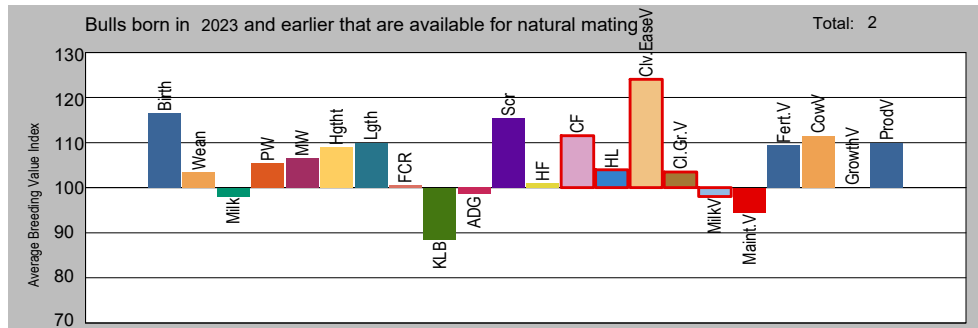
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

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

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

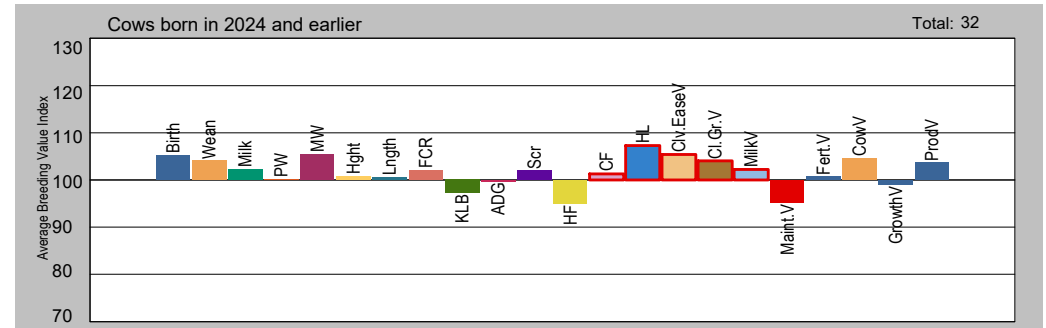
Genetic Windows

Bulls on the farm



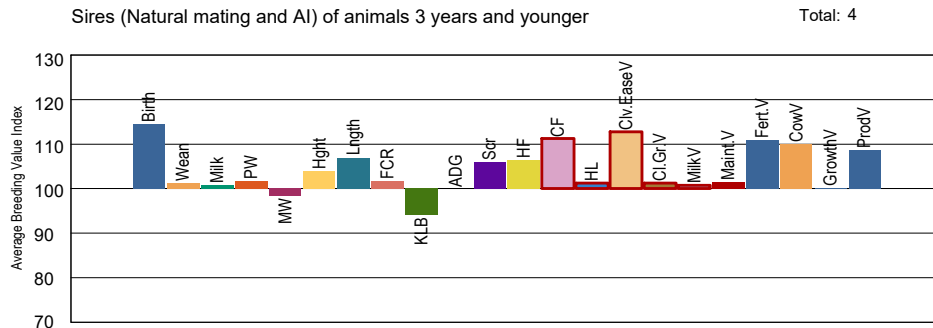
Animals available for breeding

Cow Herd

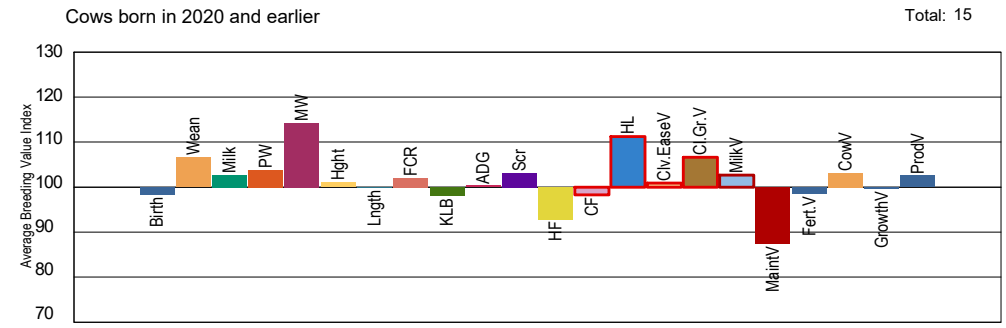


Results of previous selection decisions

Sires of young animals

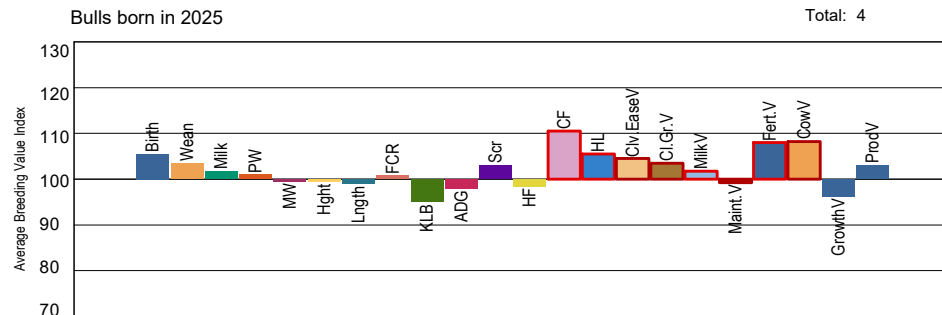


Cows older than 6 years

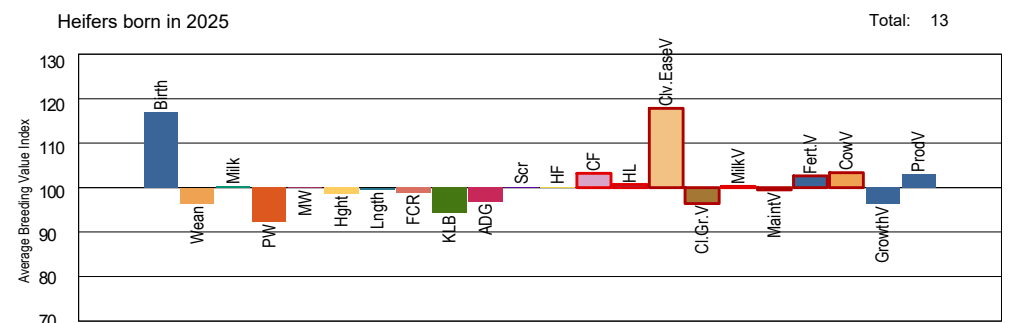


Selection possibilities

Bull calves



Heifer calves

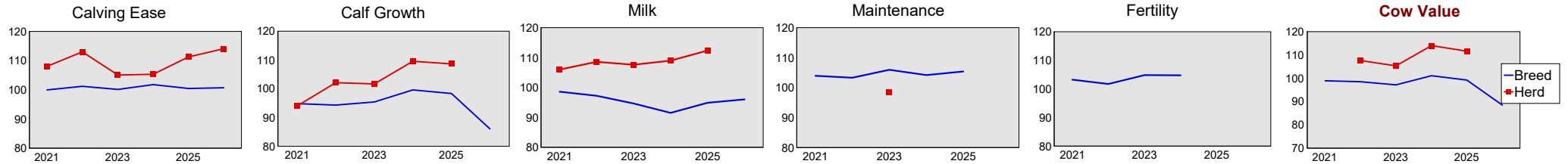


Summary of Cow Herd

			Selection Values (SV)							Calf Weight		Dam		Growth & Efficiency				Fertility				Frame		
Birth Year	No. Cows	Average Cow Value	Calving Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat)	Postwn Weight	Mature Weight	ADG	Kleiber	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
			Cows in Breed Average:									100	100	100	100	100	100	100	100	99	100	100	100	100
2009	1	★★★★☆	82	103	86	100	85	86	85	84	82	103	94	86	100	100	90	88	91	81	85	110	98	100
2015	6	★★★★☆	108	106	98	85	95	100	100	100	102	106	110	98	105	118	100	98	102	94	94	106	102	100
2017	3	★★★★☆	95	107	109	85	102	105	103	105	97	107	93	109	105	116	101	100	105	92	101	122	98	97
2019	3	★★★★★	89	114	102	94	108	111	103	110	90	114	90	102	113	108	103	99	107	96	111	106	104	105
2020	2	★★★★☆	118	99	116	84	98	105	97	104	109	99	126	116	88	118	102	101	104	91	97	119	101	96
2021	5	★★★★☆	101	106	97	100	103	105	101	104	100	106	100	97	103	99	100	98	105	95	106	103	102	101
2022	7	★★★★★	114	105	106	98	106	112	100	110	113	105	104	106	94	102	99	95	104	98	107	108	99	104
2023	9	★★★★☆	108	100	102	103	104	102	98	101	114	100	96	102	94	97	99	98	102	101	104	103	95	99
2024	9	★★★★☆	120	101	103	100	106	109	100	109	117	101	108	103	95	100	99	96	104	101	107	102	99	101
2025	13	★★★★☆	118	96	100	99	103	103	96	103	117	96	106	100	92	100	97	94	100	100	103	101	99	100
2026	4	★★★★☆	105	108	99	102	102	107	97	106	104	108	100	99	105	97	100	98	107	95	103	106	98	99
Cows in Herd Average:			105	104	102	95	101	104	98	103	104	104	102	102	99	105	99	97	103	95	102	108	100	100

Genetic Trends for On-Farm Traits

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



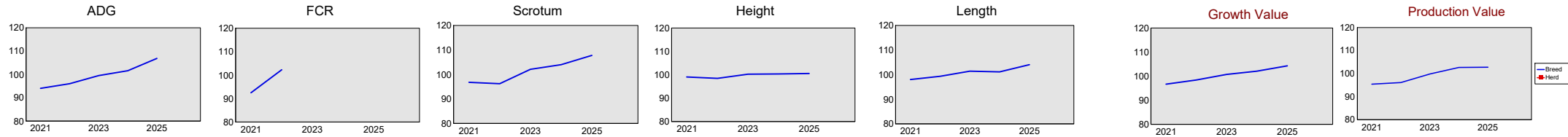
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility						Cow Value	
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity			Fertility
	Number	Dir EBV			Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		
2021	11	-0.70	0.10	108	2	4.4	94	2	5.82	106									10	16.8		
2022	43	-1.29	0.04	113	22	7.3	102	22	6.58	109									18	16.6	108	
2023	27	-0.68	0.07	105	22	7.2	102	22	6.33	108	3	1.9		98							105	
2024	19	0.30	-0.20	105	5	10.1	110	5	6.76	109											114	
2025	22	-0.85	-0.04	111	3	9.7	109	3	7.75	112											112	
2026	11	-1.26	-0.08	114																		

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility								Cow Value
	Birth Weight		Calv. Ease	Weaning Weight	Calf Growth	Milk (Wn.Mat.)		Postwean Weight	Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity						
	Number	Dir EBV				Mat EBV	Number		EBV	Number		EBV	Milk	Number	EBV	Number	EBV		Number	EBV	Number	EBV		
2016	537	0.33	0.18	98	295	5.6	97	295	3.25	96	151	6.8	58	4	103	131	-6.4	102	-1.7	797	12.0	102	95	
2017	639	0.38	0.10	99	397	5.6	97	397	3.58	98	272	6.1	84	5	103	174	-5.4	125	-1.0	900	13.0	99	97	
2018	593	0.34	0.07	99	329	5.1	96	329	4.12	100	182	6.2	71	8	100	165	-3.5	113	-0.4	838	13.1	97	96	
2019	616	0.26	0.05	100	307	5.8	98	307	2.35	93	196	5.6	51	5	101	152	-2.1	109	-1.0	904	12.7	98	95	
2020	825	0.31	0.13	98	466	5.9	98	466	4.07	99	314	6.3	54	5	102	148	-4.5	122	-0.6	1127	13.2	98	97	
2021	861	0.09	0.15	100	538	4.7	95	538	3.84	99	344	6.7	56	5	104	138	-6.4	78	-1.9	926	14.0	103	99	
2022	915	-0.05	0.11	101	504	4.5	94	504	3.46	97	284	7.3	62	6	103	94	-7.3	13	-2.8	474	13.5	102	99	
2023	984	0.12	0.09	100	334	4.9	95	334	2.74	95	191	7.4	7	7	106	45	-8.8					105	97	
2024	778	0.11	-0.01	102	257	6.4	100	257	1.86	92	201	9.0			104	4	-15.7					105	101	
2025	797	0.18	0.06	100	255	5.9	98	255	2.81	95	23	7.7			105								99	
2026	227	0.03	0.04	101	2	1.4	86	2	3.19	96													89	

Genetic Trends for Growth Test Traits



Herd

Birth Year	Growth									Frame						Selection Values	
	FCR			ADG			Scrotal Circumf.			Height			Length			Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		
2021																	
2022																	
2023																	
2024																	
2025																	

Breed

Birth Year	Growth									Frame						Selection Values	
	FCR			ADG			Scrotal Circumf.			Height			Length			Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		
2016				35	122	106	35	16.5	107	35	12	106	35	18	107	105	99
2017				73	100	99	72	13.0	100	73	13	108	73	15	105	100	98
2018	4	-12	114	32	86	95	32	10.4	94	32	7	99	32	9	97	95	94
2019	7	3	94	100	82	94	82	13.2	100	99	7	100	100	9	98	96	95
2020	36	1	96	150	90	96	125	13.3	100	144	9	102	151	11	100	98	97
2021	20	3	93	146	84	94	117	11.7	97	143	7	99	146	9	98	97	95
2022	3	-4	102	138	90	96	94	11.4	96	139	7	98	140	11	99	98	96
2023				96	101	100	79	14.2	102	133	8	100	134	12	101	101	100
2024				89	108	102	94	15.0	104	128	8	100	135	12	101	102	103
2025				23	125	107	23	16.8	108	23	8	101	23	15	104	104	103

Sires

Bull				Selection Values							Calf		Dam		Growth				Fertility				Frame		Measured Progeny					
ID	Index EBV Acc	Sire ID	Dam ID	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	FCR	Scrotal	Heifer	Cow	Long-evi	Height	Length	Birth	Wean	Dgt/Calvs.	Grwth	
				Ease	Grwth	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight					Fertility	Fertility	ty						
AB 030074		B 990601	CR 950131	79	139	83	76	82	104	111	105	63	139	109	83	130	133	111	106	105	67	95	90	106	121	29	24	3	12	6
FLENTERS				79	82	61	28	52	61	62	61	4.04	20.8	-0.33	-0.6	23.9	28	137	-6	15.5	22.4	-0.1	13.5	11	30					
												87	82	65	61	78	28	61	55	68	51	26	80	70	67					
AB 075807		AB 030110	AB 980055	93	127	129	86	106	125	108	125	92	127	99	129	124	112	109	109	119	84	122	82	117	122		1	3	7	
WIM 58 2007				67	59	58	37	71	57	35	53	1.13	16.4	0.08	12.2	20.5	15	133	-9	22.0	8.0	-5.2	10.1	19	31					
												68	59	65	58	40	37	47	18	40	81	40	91	58	56					
AB 080508		CR 980252	CR 980001	104	98	71	138	106	101	95	99	106	98	95	71	94	66	87	89	116	107	110	81	86	82	86	29	11	36	2
52008				88	88	78	58	68	72	54	68	-0.35	5.8	0.22	-3.8	4.4	-12	61	6	20.4	-12.5	-2.9	9.6	-1	-5					
												94	88	78	78	74	58	60	40	66	72	40	91	69	67					
AB 118311		AB 073607	AB 030011	115	115	88	98	102	112	108	112	105	115	133	88	107	102	104	107	112	99	104	97	114	110	27	19	3	11	
PARMANT 832011				75	77	55	20	50	57	26	51	-0.20	12.3	-1.22	1.0	11.4	9	116	-7	18.7	-5.0	-1.7	16.5	17	20					
												85	77	58	55	70	20	24	25	29	49	24	76	30	28					
AB 120912		AB 030110	EH 050069	93	129	95	70	87	106			92	129	98	95	126	141	127	116	123	66	101	97	119	128	29	28	3	10	
NICK 92012				76	82	56	25	51	59			1.06	17.2	0.11	2.8	21.9	32	190	-14	23.8	23.1	-1.2	16.9	20	36					
												87	82	59	56	68	25	19	7	17	47	25	80	24	23					
B 160029		B 130157	B 050208	119	110	80	93	101	105	95	103	121	110	151	80	111	109	94	107	109	94	101	111	87	97	32	31	6	21	16
B160029				84	89	75	57	60	69	60	67	-1.81	10.1	-1.92	-1.4	13.5	13	84	-7	17.4	-0.8	-1.3	23.1	-1	9					
												91	89	72	75	82	57	85	31	89	66	36	77	90	88					
B 170073		B 130157	B 120897	117	136	90	79	111	129	105	127	109	136	136	90	130	127	103	103	105	95	117	104	112	132	70	63	12	19	25
B170073				95	96	93	92	93	87	94	88	-0.62	19.9	-1.35	1.4	23.8	24	112	-4	15.3	-1.9	-4.3	19.8	15	40					
												97	96	93	93	94	92	95	91	96	93	91	94	96	96					
B 190199		B 160029	ND 141714	115	107	92	108	106	110	106	110	108	107	113	92	111	91	107	112	133	92	111	106	92	95	44	17			
B190199				93	93	90	89	90	84	90	85	-0.48	9.0	-0.46	2.1	13.6	3	125	-11	28.5	1.0	-3.0	21.0	2	6					
												95	93	90	90	90	89	91	89	91	89	89	91	92	91					
B 200214		B 170073	JDI 110027	133	100	104	81	113	113	94	110	125	100	133	104	100	122	90	89	98	110	112	102	126	125	25	4			3
B200214				90	89	86	84	85	80	86	81	-2.18	6.7	-1.22	5.3	8.0	21	72	6	12.2	-15.0	-3.3	18.9	25	34					
												92	89	86	86	88	84	88	83	90	85	84	86	90	90					
F 090128		BLN 050068	MAX 030047	95	111	98	89	104	107	110	108	90	111	105	98	107	112	102	106	95	106	101	101	88	98	24	14	14	41	2
COLT				87	84	80	49	61	68	54	65	1.26	10.8	-0.16	3.5	11.8	15	110	-7	10.8	-11.7	-1.3	18.7	0	9					
												90	84	83	80	78	49	68	31	76	65	35	83	78	75					
F 120176		F 090128	F 090035	97	100	84	105	104	98	106	99	103	100	87	84	94	94	97	80	105	107	95	120	80	92	48	41	9	20	
FORS				86	90	76	45	50	66	48	62	-0.02	6.5	0.53	-0.4	4.4	4	94	12	15.3	-12.6	-0.1	26.9	-5	4					
												93	90	76	76	79	45	59	31	55	43	22	85	66	64					

Sires

Bull				Selection Values								Calf		Dam		Growth				Fertility				Frame		Measured Progeny				
ID	Index EBV Acc	Sire ID	Dam ID	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	FCR	Scrotal	Heifer	Cow	Long-evi	Height	Length	Birth	Wean	Dgt/Calvs.	Grwth	
				Ease Value	Grwth Value	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight					Fertility	Fertility	ty						Test
F 170009	 B 090492 F 090033			111	98	103	108	108	107	96	105	137	98	98	103	87	90	99	109	94	106	109	93	101	105	148	65	1	1	
F 170009				95	95	92	91	92	86	90	87	-3.43	5.6	0.12	5.0	0.5	2	101	-8	10.5	-11.3	-2.7	15.1	8	15					
				95	95	92	91	92	86	90	87	97	95	92	92	92	91	90	90	91	91	90	94	91	91					
F 180062	 B 090492 F 120078			92	100	104	109	117	110	105	110	88	100	102	104	109	90	104	97	99	118	113	104	97	103	18	7			
F 180062				86	84	81	79	81	76	79	77	1.48	6.7	-0.06	5.3	12.8	2	115	0	12.7	-21.4	-3.5	19.7	6	14					
				86	84	81	79	81	76	79	77	89	84	82	81	80	79	79	78	80	80	78	84	80	80					
JDI 090051	CR 020132 CR 000039			74	114	105	81	84	94	87	91	75	114	91	105	123	122	92	97	95	83	93	79	112	104	37	21	5	21	2
JUANDRI 09051				82	81	66	38	48	61	28	54	2.84	11.8	0.36	5.5	20.1	21	77	0	10.8	8.9	0.4	8.6	16	15					
				82	81	66	38	48	61	28	54	90	81	69	66	71	38	41	8	47	38	25	82	50	47					
JDI 110160	CR 020002 CR 950170			93	93	117	84	84	88	82	85	80	93	117	117	92	117	92	109	94	99	82	83	97	91	29	21	2	5	
110160				78	79	58	23	45	57	26	51	2.31	4.0	-0.63	9.0	3.3	18	78	-9	10.5	-5.3	2.3	10.6	6	3					
				78	79	58	23	45	57	26	51	88	79	61	58	62	23	26	23	31	39	17	80	32	30					
ND 150515	 AB 080508 SWA 080066			91	101	84	112	108	101	102	101	85	101	107	84	102	88	91	86	107	105	112	87	92	87	79	61	8	11	5
52015				92	93	86	83	85	82	86	83	1.84	6.9	-0.22	-0.1	9.1	1	74	8	16.2	-10.5	-3.2	12.2	2	-1					
				92	93	86	83	85	82	86	83	95	93	86	86	87	83	85	85	86	83	82	90	86	86					
SFF 151835	SFF 114600 SFF 092412			117	109	124	74	98	112	109	113	104	109	128	124	95	129	113	130	105	94	97	113	104	100	104	80	14	22	11
SFF151835				87	93	73	40	52	67	70	68	95	93	73	73	71	40	71	62	66	50	19	87	79	77					
SFF 172091	F 120176 SFF 103493			96	106	97	91	100	101	119	105	103	106	85	97	93	110	110	78	129	101	95	113	89	97	26	23	2	2	4
SFF172091				77	83	58	36	43	59	56	58	88	83	60	58	69	36	58	49	54	34	21	75	66	64					

Growth Tests

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

Animal					Weight		Frame				Growth				
Test Code	Sex	Test no	Sire ID	Cow	Wean	End-	Length	Height	Length/ Height	Scrotum	Intake	ADG	FCR	Growth	
Test station		ID	Dam ID	Value	dir	weight								Value	
202005 D11 M				0608381HUG											
KOPERKOP HUGENOOT		B 190199	B 160029	110	107	105	95	92	105	133	100	107	112	106	
STOET		89581763	ND 141714	84	93	27 91	6 91	2 92	1.19 92	28.5 91	-0.11 89	125 91	-11 89	90	
202104 D11 M				0608381HUG											
KOPERKOP HUGENOOT		B 200214	B 170073	113	100	108	125	126	100	98	105	90	89	94	
STOET		90969718	JDI 110027	80	89	29 90	34 90	25 90	1.18 90	12.2 90	-0.20 83	72 88	6 83	86	

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	
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	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
B 190199 89581763 B190199	B 160029 ND 141714			115 93	107 93	92 90	108 89	106 90	110 84	106 90	110 85	108 -0.48 95	113 -0.46 90	91 3	107 9.0 93	92 2.1 90	100 62 91	111 13.6 90	107 125 91	112 -11 89	133 28.5 91	92 1.0 89	111 -3.0 89	106 21.0 91	92 2 92	95 6 91
B 200214 90969718 B200214	B 170073 JDI 110027			133 90	100 89	104 86	81 84	113 85	113 80	94 86	110 81	125 -2.18 92	133 -1.22 86	122 21	100 6.7 89	104 5.3 86	98 57 86	100 8.0 88	90 72 88	89 6 83	98 12.2 90	110 -15.0 85	112 -3.3 84	102 18.9 86	126 25 90	125 34 90
SFF 244460 98626922 SFF24 4460	B 190199 SFF 152861	2		124 82	114 83	107 80	94 78	104 79	118 74	123 79	121 75	111 -0.80 84	124 -0.87 80	105 11	114 11.7 83	107 6.2 80	113 91 80	112 14.3 80	121 170 79	117 -14 78	134 28.7 80	89 3.6 78	111 -3.0 78	105 20.2 80	112 15 80	115 25 80
F 252254 98894058 F 252254	B 200214 F 140072	1		116 60	101 49	98 45	104 29	112 30	111 39	92 30	108 37	106 -0.35 68	117 -0.62 46	95 5	101 6.8 49	98 3.6 45	100 61 41	98 6.6 42	88 65 41	95 2 15	91 9.0 45	107 -11.8 32	110 -2.8 16	110 22.5 42	103 9 46	102 13 45
F 253256 99679078 F 253256	F 170009 F 180084	4		116 83	76 82	99 80	105 78	104 79	90 74	89 78	89 75	127 -2.46 85	92 0.34 80	93 4	76 -2.3 82	99 4.0 80	86 27 80	79 -3.5 80	86 58 78	95 2 77	90 8.5 78	99 -5.6 79	106 -2.2 77	99 17.7 80	93 3 78	87 -1 78
SFF 252471 98626971 SFF25 2471	B 190199 SFF 172090	1		102 84	116 83	109 81	95 80	104 80	115 75	117 80	117 76	99 0.36 86	103 -0.09 81	103 9	116 12.6 83	109 6.6 81	116 99 81	113 15.0 82	116 156 81	112 -11 79	130 27.1 81	85 6.9 80	111 -3.0 79	111 22.8 82	105 11 82	108 19 81
SFF 253479 6020150451 CTL 25 3479	F 170009 SFF 194241	3		84 84	121 83	101 80	93 79	112 80	117 75	103 78	116 76	90 1.27 86	85 0.62 81	107 12	121 14.4 83	101 4.6 80	113 91 81	114 15.4 80	102 109 79	101 -3 78	101 13.6 79	103 -8.4 79	115 -3.9 78	102 19.1 82	97 6 79	99 11 79
SFF 261485 6020391360 CTL 26 1485	F 170009 SFF 152861	1		125 63	112 58	107 50	89 20	102 31	116 43	116 26	117 40	119 -1.63 71	112 -0.41 49	111 14	112 11.0 58	107 6.3 50	110 86 43	103 9.1 44	115 153 26	109 -8 22	112 18.7 29	94 -0.9 28	106 -2.2 14	99 17.9 50	112 16 30	118 28 29
SFF 261486 6020391378 CTL 26 1486	F 170009 SFF 152868	2		127 63	107 57	103 47	94 23	108 34	116 43	110 26	116 40	129 -2.62 71	114 -0.51 50	105 11	107 9.2 57	103 4.9 47	105 74 42	98 6.9 46	106 124 27	104 -5 23	112 18.6 30	107 -12.6 36	107 -2.4 16	100 18.3 50	109 14 31	109 20 30
SFF 261488 6020398571 CTL 26 1488	F 170009 AB 190070			124 58	103 51	96 40	108 24	111 34	113 40	97 22	111 36	122 -1.97 67	106 -0.19 43	91 3	103 7.6 51	96 3.0 40	101 62 38	97 6.0 38	102 109 26	111 -10 16	101 13.8 28	104 -9.7 34	114 -3.7 18	96 16.2 50	102 9 29	106 16 28
SFF 262490 6020391394 CTL26 2490	F 170009 SFF 172076	2		92 63	110 58	108 50	96 26	108 33	111 44	99 26	109 40	103 -0.02 71	79 0.84 50	103 9	110 10.1 58	108 6.4 50	111 88 45	106 11.0 46	99 100 30	103 -4 18	98 12.3 28	105 -10.0 35	106 -2.1 15	110 22.5 50	96 5 34	100 11 33
SFF 262491 6020577448 CTL 26 2491	B 200214 SFF 172090			115 53	112 50	111 42	83 28	107 28	116 38	109 32	116 37	108 -0.52 58	112 -0.43 45	119 19	112 11.0 50	111 7.2 42	111 87 40	109 12.5 45	104 116 43	92 4 18	112 18.8 44	97 -3.1 28	108 -2.6 13	112 23.4 42	121 21 48	123 32 46

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	
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	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
SFF 262492	6020577455	1	B 200214 F 150005	124	93	89	81	99	95	87	93	113	120	124	93	89	83	93	84	89	86	105	96	99	101	100
CTL 26 2492				49	47	42	28	31	37	29	35	-1.05	-0.74	22	4.1	1.1	20	4.0	52	6	6.6	-10.5	-0.3	17.6	8	11
												53	42	28	47	42	39	40	41	14	45	34	17	41	46	44

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	
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	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
ID Number Name																									
SFF 091291 68091628 SFF091291		AB 030074 SFF 051119	82 78	103 72	86 73	100 23	85 38	86 54	85 32	84 50	82 2.10 79	94 0.26 76	100 8 23	103 7.5 72	86 0.2 73	91 39 56	100 7.8 60	90 71 31	92 4 29	91 9.2 35	81 10.3 29	85 1.7 18	110 22.5 67	98 6 36	100 11 35
F 150005 82175035 F 150005		F 090128 P 060001	108 63	86 59	74 64	81 38	86 45	75 50	80 29	73 46	102 0.07 63	108 -0.27 63	126 24 38	86 1.4 59	74 -3.1 64	68 -17 54	86 0.1 50	78 32 37	90 6 17	74 1.0 41	100 -6.0 50	80 2.7 25	96 16.3 61	76 -8 42	76 -11 40
SFF 151847 81372567 SFF151847	3	JDI 090051 EH 060046	104 76	95 70	105 70	90 21	94 37	94 52	79 21	90 46	99 0.42 78	107 -0.23 73	110 14 21	95 4.8 70	105 5.6 70	99 58 54	103 9.1 48	84 50 24	94 2 14	89 8.1 28	99 -5.0 30	90 0.8 17	103 19.6 64	97 6 29	90 2 28
SFF 152861 81673196 SFF152861		AB 118311 SFF 092403	110 75	131 71	113 72	74 13	97 33	121 51	136 38	127 48	94 0.88 77	126 -0.94 71	131 27 13	131 18.1 71	113 7.7 72	121 110 52	123 20.0 62	132 206 32	109 -9 37	130 27.0 38	82 9.6 26	103 -1.6 12	106 20.6 62	123 23 40	132 40 37
SFF 152868 81672933 SFF152868	2	AB 118311 SFF 103493	120 76	124 69	103 64	83 27	109 44	125 54	125 40	128 51	109 -0.64 78	131 -1.15 73	119 19 27	124 15.5 69	103 5.2 64	113 92 53	117 16.9 64	114 147 37	98 -1 39	129 26.7 42	109 -13.8 50	106 -2.2 19	107 21.4 64	117 19 44	114 24 42
SFF 152893 82081472 SFF152893		JDI 110160 SFF 111532	109 71	90 69	91 65	88 27	84 40	83 52	75 40	79 50	104 -0.16 75	106 -0.21 65	114 16 27	90 3.0 69	91 1.7 65	85 24 54	85 -0.2 62	83 48 36	97 0 38	84 5.9 41	93 -0.3 45	78 3.1 14	108 21.8 62	87 -1 44	77 -9 41
SFF 153924 82130220 SFF153924		AB 120912 SFF 102470	94 75	110 70	101 67	93 35	98 36	104 53	103 22	104 47	104 -0.11 77	81 0.78 71	106 12 35	110 10.2 70	101 4.6 67	106 75 57	114 15.2 61	107 126 21	103 -4 20	107 16.3 22	80 11.1 30	104 -1.7 15	116 25.2 64	111 15 24	113 23 23
SFF 172073 85363448 SFF172073		SFF 151835 SFF 141778	123 72	88 71	100 65	83 36	97 41	93 54	83 42	90 52	112 -0.88 75	130 -1.11 66	119 20 36	88 2.3 71	100 4.2 65	89 34 57	82 -2.1 64	88 63 45	116 -14 33	87 7.1 37	91 1.3 47	94 0.0 12	118 26.3 63	87 -1 52	74 -12 50
SFF 172076 85363471 SFF172076		F 120176 SFF 101433	73 76	109 73	111 73	86 38	108 42	106 56	101 38	105 52	88 1.52 78	59 1.59 74	115 17 38	109 10.0 73	111 7.2 73	110 86 61	115 15.8 66	99 99 44	97 0 26	102 14.2 35	103 -8.8 50	103 -1.5 13	126 29.9 63	92 2 51	96 8 49
SFF 172090 85656114 SFF172090		F 120176 SFF 113575	89 76	124 69	117 64	85 39	101 35	117 52	124 39	120 49	92 1.14 78	91 0.36 72	115 17 39	124 15.4 69	117 9.1 64	124 118 57	117 17.1 65	117 160 44	95 2 29	126 25.3 37	83 8.7 30	105 -1.9 13	122 27.9 63	115 17 51	121 30 49
AB 190027 90800764 AB190027		AB 075807 AB 155115	98 47	105 35	107 33	100 21	101 44	105 35	98 27	104 33	97 0.61 48	99 0.09 46	98 7 21	105 8.3 35	107 6.3 33	109 82 30	105 10.4 26	98 97 30	102 -4 21	97 11.9 29	91 1.6 49	105 -1.9 22	103 19.5 60	107 12 36	104 15 35
AB 190070 90860289 AB190070		AB 080508 AB 150007	104 81	117 80	90 79	107 78	114 79	119 73	98 78	116 74	94 0.86 81	114 -0.52 80	92 3 78	117 12.9 80	90 1.5 79	105 73 79	115 15.8 78	105 118 78	114 -12 77	108 17.0 78	102 -8.1 79	119 -4.6 77	98 17.2 82	103 9 79	107 18 79

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

Value <80	Value >120
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Breeding values with an accuracy < 5% are not printed

Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame	
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	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
ID Number Name																									
SFF 194241 89768147 19 4241	2	SFF 172091 BOS 130029	64 68	120 66	110 54	74 32	109 34	109 48	113 34	111 45	78 2.56 73	57 1.67 61	133 27 32	120 13.8 66	110 7.1 54	112 89 51	119 18.1 50	107 124 35	90 5 27	115 20.1 33	96 -2.3 22	109 -2.8 24	118 26.0 56	102 9 41	104 15 39
SFF 202268 90378274 SFF202268	1	SFF 151835 SFF 101437	126 71	91 69	113 60	93 31	94 41	100 52	93 44	98 50	119 -1.65 75	135 -1.32 65	105 11 31	91 3.4 69	113 7.9 60	104 69 53	76 -4.9 50	97 91 45	117 -14 39	102 14.0 44	95 -1.9 38	88 1.2 23	118 26.4 61	92 3 50	86 -2 48
SFF 202276 90378282 SFF202276		SFF 151835 BOS 130028	110 70	107 69	119 62	74 38	102 35	110 51	101 36	109 48	99 0.40 75	117 -0.63 63	131 26 38	107 9.2 69	119 9.5 62	111 87 56	100 8.0 44	106 123 38	116 -14 31	105 15.6 36	87 5.4 31	105 -1.9 16	120 26.9 59	109 14 43	105 15 41
SFF 210221 6020289564 SFF210221			106 28								108 -0.52 26	96 0.19 31													
SFF 211325 91746701 SFF211325		ND 150515 SFF 111522	104 85	106 84	88 82	98 79	115 80	110 76	107 80	110 77	99 0.36 86	107 -0.23 83	102 9 79	106 8.6 84	88 0.8 82	94 46 82	102 8.9 82	104 115 80	99 -1 80	111 18.4 80	105 -10.1 79	119 -4.5 79	101 18.7 83	104 10 81	101 12 80
SFF 213351 92098698 SFF213351	1	ND 150515 AB 127012	87 67	111 66	108 49	97 30	97 39	105 49	104 33	105 46	79 2.44 72	108 -0.28 60	100 8 30	111 10.6 66	108 6.5 49	113 92 48	111 13.6 42	101 105 31	102 -3 31	110 17.8 34	85 6.5 38	103 -1.5 22	101 18.8 57	101 8 36	99 11 35
SFF 214006 6020289572 SFF214006			105 28								108 -0.48 26	95 0.22 31											98 17.3 26		
SFF 214359 6020403629 CHRISTOFF PUNA	1	F 170009 SFF 091291	103 66	102 58	95 50	104 22	98 34	100 44	91 24	98 40	106 -0.36 72	93 0.29 56	95 5 22	102 7.2 58	95 2.8 50	99 57 43	95 5.2 44	95 86 25	101 -2 19	93 9.8 28	94 -0.5 29	97 -0.5 16	111 23.2 56	100 7 29	102 13 28
SFF 221016 6020290307 SFF221016			110 28								110 -0.73 26	99 0.06 31											97 17.0 22		
SFF 222025 6020288491 SFF222025		F 170009	132 49	95 45	99 34	97 19	113 28				129 -2.60 52	127 -1.01 44	102 9 19	95 4.7 45	99 3.9 34	96 50 33	80 -3.1 32	95 88 20	90 5 12	109 17.5 22	107 -12.6 25	109 -2.8 13	115 25.0 45	87 -1 22	94 6 22
SFF 223028 6020288509 SFF223028		F 170009	126 43	100 45	102 34	97 19	110 26				120 -1.72 48	112 -0.43 34	102 9 19	100 6.4 45	102 4.8 34	101 63 33	85 -0.2 32	95 88 20	90 5 12	109 17.5 22	107 -12.6 25	109 -2.8 13	103 19.4 39	87 -1 22	94 6 22
SFF 223395 93749273 SFF223395	1	F 170009 SFF 102470	124 67	100 67	106 52	115 32	108 33	114 48	92 26	110 44	124 -2.08 73	104 -0.13 57	86 0 32	100 6.6 67	106 5.8 52	108 80 50	94 4.6 42	95 87 27	100 -2 23	94 10.4 30	99 -5.5 31	109 -2.6 15	110 22.6 54	104 10 31	104 14 30

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		
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	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
SFF 223398 93749307 SFF223398	1	F 170009 SFF 113575	70 67	132 67	131 52	78 28	103 34	122 48	116 30	123 44	81 2.19 73	74 1.03 57	123 22 28	132 18.3 67	131 12.8 52	136 148 49	122 19.6 46	117 159 31	108 -8 27	115 19.9 33	85 7.0 32	110 -2.9 15	110 22.8 56	117 19 35	124 33 34	
SFF 224033 6020289598 SFF224033	1	F 170009 SFF 091291	119 61	97 58	92 50	104 22	98 33	100 43	91 24	97 39	116 -1.29 64	107 -0.22 56	95 5 22	97 5.4 58	92 2.0 50	93 44 43	89 2.1 44	95 86 25	101 -2 19	93 9.8 28	94 -0.5 29	97 -0.5 16	110 22.5 54	100 7 29	102 13 28	
SFF 231038 99834103 SFF231038	1	F 170009 SFF 131703	111 54	89 55	93 45	111 25	87 29	88 40	94 22	87 36	121 -1.86 59	84 0.64 46	89 1 25	89 2.6 55	93 2.2 45	90 37 42	86 0.5 40	98 96 23	94 2 17	82 4.9 26	92 0.9 27	88 1.3 13	91 13.9 48	93 3 26	95 7 25	
SFF 231040 6020289606 SFF231040	3	B 190199 AB 190027	97 50	108 44	102 31	103 22	105 32	109 35	102 27	108 33	97 0.57 54	97 0.15 44	95 5 22	108 9.6 44	102 4.7 31	108 79 32	111 13.7 30	102 111 36	107 -7 14	115 20.2 39	91 1.3 33	108 -2.5 16	114 24.6 46	99 7 42	99 11 40	
SFF 231042 6020289622 SFF231042	1	F 170009 SFF 112554	110 58	92 58	96 51	124 25	99 33	99 43	86 27	96 40	121 -1.84 62	82 0.72 51	80 -4 25	92 3.6 58	96 3.1 51	97 52 45	85 -0.3 41	88 62 29	93 3 23	94 10.5 31	101 -6.6 31	98 -0.6 16	102 19.2 52	89 1 31	87 -1 31	
SFF 231045 6020398555 TRISTAN PANINA	1	F 170009 SFF 101393	104 64	85 59	102 51	97 31	97 32	90 45	91 30	88 42	137 -3.40 72	86 0.58 52	102 9 31	85 1.2 59	102 4.7 51	92 41 47	79 -3.6 47	95 86 32	101 -3 27	91 9.1 34	99 -4.9 30	96 -0.3 15	102 18.9 52	98 7 35	97 8 34	
SFF 231046 6020290000 SFF231046		F 180062	80 79	124 79	117 78	92 77	120 77	126 72	116 76	127 73	79 2.46 80	96 0.21 78	106 12 77	124 15.4 79	117 8.8 78	126 123 78	128 22.9 78	119 165 77	110 -9 76	115 20.0 77	112 -16.1 77	120 -4.8 77	105 20.5 78	114 17 77	124 33 77	
SFF 232048 6020289630 SFF232048		F 170009	126 43	100 45	102 34	97 19	110 26				120 -1.72 48	112 -0.43 34	102 9 19	100 6.4 45	102 4.8 34	101 63 33	85 -0.2 32	95 88 20	90 5 12	109 17.5 22	107 -12.6 25	109 -2.8 13	103 19.4 39	87 -1 22	94 6 22	
SFF 232052 6020288517 SFF232052		F 170009	126 43	100 45	102 34	97 19	110 26				120 -1.72 48	112 -0.43 34	102 9 19	100 6.4 45	102 4.8 34	101 63 33	85 -0.2 32	95 88 20	90 5 12	109 17.5 22	107 -12.6 25	109 -2.8 13	103 19.4 39	87 -1 22	94 6 22	
F 242228 97582993 F 242228	1	B 190199 F 150009	113 60	97 50	94 42	89 27	108 33	102 40	99 28	101 38	111 -0.81 69	104 -0.13 46	113 16 27	97 5.4 50	94 2.5 42	91 39 40	97 6.3 40	97 94 38	100 -2 14	114 19.5 43	100 -6.0 35	109 -2.8 19	104 20.0 45	91 2 44	94 6 43	
F 243234 97583033 F 243234	<u>16</u>	F 170009 F 150014	121 62	92 55	107 47	112 29	108 37	108 44	96 24	106 40	127 -2.44 69	100 0.03 50	87 0 29	92 3.6 55	107 6.1 47	103 68 44	89 1.7 42	97 92 28	104 -5 17	92 9.5 31	114 -17.9 40	104 -1.7 20	101 18.5 50	96 5 32	99 10 31	
F 244243 98658016 F 244243	5	F 170009 F 130026	119 63	101 58	101 50	95 29	112 36	111 45	95 24	109 41	113 -0.99 70	111 -0.40 51	104 10 29	101 7.1 58	101 4.6 50	101 63 46	93 4.3 45	97 93 29	103 -4 17	94 10.5 32	107 -12.1 38	114 -3.7 18	93 15.0 51	107 12 33	106 17 32	

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values							Birth		Wean				Growth			Fertility				Frame		
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	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
	SFF 242072 6020587843 CTL 24 2072	3	B 190199 AB 190027	109 52	103 44	99 31	104 22	103 31	107 35	102 27	106 33	106 -0.28 63	106 -0.18 35	95 5 22	103 7.8 44	99 4.1 31	103 68 32	106 10.9 30	102 111 36	107 -7 14	115 20.2 39	91 1.3 33	108 -2.5 16	105 20.3 44	99 7 42	99 11 40
	SFF 243082 6020288525 SFF243082		F 170009	126 43	100 45	102 34	97 19	110 26				120 -1.72 48	112 -0.43 34	102 9 19	100 6.4 45	102 4.8 34	101 63 33	85 -0.2 32	95 88 20	90 5 12	109 17.5 22	107 -12.6 25	109 -2.8 13	103 19.4 39	87 -1 22	94 6 22
	SFF 244457 97562839 SFF244457	2	F 170009 SFF 152868	127 62	111 66	104 47	98 23	108 34	119 46	108 26	119 42	120 -1.71 69	114 -0.51 50	100 8 23	111 10.6 66	104 5.4 47	110 85 45	102 8.9 46	104 116 27	102 -4 23	110 17.6 30	108 -13.0 36	107 -2.3 16	101 18.3 51	107 12 31	106 17 30
	SFF 244458 97562847 SFF244458		F 170009 FSD 130563	121 62	96 64	104 49	121 30	92 36	102 47			119 -1.64 69	105 -0.14 50	82 -3 30	96 5.1 64	104 5.5 49	105 73 48	89 1.8 34	94 82 21	101 -3 13	92 9.6 23	89 3.2 37	93 0.2 19	103 19.5 52	97 6 24	98 9 23
	SFF 244464 98626948 SFF24 4464	1	F 170009 SFF 202276	120 61	108 66	110 47	87 27	105 32	114 46	102 25	113 42	116 -1.28 69	108 -0.29 47	114 16 27	108 9.6 66	110 6.9 47	109 83 47	98 6.6 39	106 123 28	114 -12 20	103 14.5 28	95 -1.8 30	108 -2.5 15	106 21.0 50	108 13 31	108 19 30
	F 251245 98675036 F 251245	14	F 170009 F 160053	117 62	97 58	102 49	117 26	113 36	112 44	93 24	109 40	120 -1.75 70	96 0.20 50	85 -1 26	97 5.4 58	102 4.8 49	103 68 44	90 2.2 46	94 83 28	99 -1 17	91 9.1 30	111 -16.0 38	112 -3.2 19	101 18.4 51	100 7 31	101 12 30
	F 252252 98894033 F 252252	2	B 200214 F 150021	114 59	99 48	95 45	86 26	109 32	104 39	94 30	102 37	108 -0.53 68	110 -0.33 45	117 18 26	99 6.3 48	95 2.9 45	93 43 40	96 5.4 40	90 71 42	88 7 16	101 13.5 45	102 -8.1 36	110 -2.9 18	104 20.0 42	120 21 46	115 24 45
	F 254259 99679086 F 254259	2	B 200214 F 170016	125 59	94 48	103 43	94 30	105 30	104 39	89 30	101 37	115 -1.25 68	119 -0.70 45	106 11 30	94 4.2 48	103 5.0 43	97 53 40	93 3.8 42	87 61 41	90 6 16	88 7.5 45	111 -15.4 33	101 -1.2 16	100 17.9 42	103 9 45	101 12 44
	SFF 251466 98632524 SFF25 1466	3	F 170009 BOS 130029	95 63	116 65	108 50	93 27	110 33	117 46	101 24	115 42	98 0.50 70	92 0.33 51	105 11 27	116 12.5 65	108 6.6 50	115 97 47	109 12.7 42	100 104 28	104 -4 16	99 12.9 29	98 -4.4 29	115 -3.9 18	99 17.5 52	107 12 33	107 17 32
	SFF 252092 6020474455 CTL25 2092		B 200214 SFF 210221	123 49	90 37	103 28	90 20	94 21	95 29	96 25	94 28	116 -1.28 60	114 -0.51 31	111 14 20	90 2.9 37	103 4.9 28	94 45 28	91 2.9 32	95 87 36	79 13 11	94 10.5 40	98 -4.7 23	96 -0.3 11	88 12.5 28	100 8 40	106 16 39
	SFF 252473 98876626 SFF 25 2473	1	B 190199 SFF 202268	131 59	95 53	102 40	100 25	100 30	105 40	99 32	104 38	119 -1.62 69	124 -0.88 42	98 7 25	95 4.9 53	102 4.8 40	99 59 39	91 2.7 37	102 108 39	115 -13 22	118 21.3 43	93 -0.4 29	99 -0.9 17	112 23.7 44	92 2 45	90 2 43
	SFF 252474 98867567 SFF 25 2474	1	F 170009 SFF 152878	110 63	99 57	100 48	100 24	106 34	105 43	93 26	103 40	118 -1.50 71	88 0.51 50	99 7 24	99 6.2 57	100 4.2 48	100 60 43	89 1.8 46	97 93 29	108 -8 20	100 13.1 29	107 -12.0 36	105 -1.9 15	100 18.3 50	101 8 33	99 10 32

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values							Birth		Wean				Growth			Fertility				Frame	
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	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
ID Number Name																									
SFF 253102 6020474463 CTL 25 3102	1	F 170009 SFF 172073	125 62	97 57	102 47	94 27	102 33	105 43	90 27	102 40	118 -1.52 70	114 -0.51 48	105 11 27	97 5.5 57	102 4.8 47	99 58 44	88 1.1 46	94 82 30	112 -11 21	91 8.8 29	99 -5.0 35	102 -1.3 14	106 20.7 50	94 4 34	89 1 33
SFF 253478 99649212 CTL 25 3478	4	F 170009 SFF 124675	117 83	95 82	92 80	107 78	100 79	99 74	99 78	99 75	130 -2.72 85	97 0.16 81	92 3 78	95 4.7 82	92 1.9 80	93 43 80	88 1.1 80	100 103 78	102 -3 78	106 16.0 79	102 -7.5 79	99 -0.9 77	99 17.7 81	98 6 79	102 13 79
SFF 254107 6020474448 CTL 25 4107	2	F 170009 AB 190027	115 49	101 49	105 38	104 21	104 34	108 38	97 22	107 35	117 -1.41 54	98 0.10 41	94 4 21	101 7.0 49	105 5.6 38	106 75 36	96 5.5 35	99 99 25	106 -6 16	96 11.2 26	99 -4.9 35	107 -2.3 17	98 17.3 49	104 10 29	104 15 28
SFF 254108 6020392061 TRISTAN BLITZ		F 170009 SFF 123020	122 54	84 52	101 47	103 22	89 29	90 39			126 -2.30 57	100 0.02 48	95 5 22	84 0.8 52	101 4.6 47	92 42 40	83 -1.4 34	97 94 20	90 6 12	86 6.6 22	94 -0.7 26	91 0.7 13	89 13.3 49	91 2 23	96 8 22
SFF 254112 6020392095 LIAM SOFIA 1		B 190199 SFF 214006	109 50	93 40	97 27	103 19	93 23	94 31	103 22	95 29	107 -0.37 62	104 -0.12 31	95 5 19	93 4.2 40	97 3.4 27	95 48 29	97 5.9 28	103 113 32	91 5 9	112 18.6 37	89 3.3 22	95 -0.2 12	102 19.1 35	83 -3 37	90 2 36
SFF 254482 6020392079 CHRISTOFF JORRIE 1	1	B 190199 SFF 222025	129 52	93 46	94 31	102 21	109 26	106 34	101 24	105 32	130 -2.77 64	119 -0.71 34	96 6 21	93 3.9 46	94 2.6 31	92 41 33	88 1.5 32	101 106 34	101 -3 11	121 23.0 38	100 -5.8 25	110 -2.9 14	111 23.0 39	89 1 39	94 6 37
SFF 261117 6020392103 CTL 26 1117	27	B 190199 SFF 231040	97 53	114 45	98 31	106 22	105 27	112 34	104 26	112 32	92 1.08 65	105 -0.17 34	93 4 22	114 11.8 45	98 3.7 31	109 83 33	117 16.8 32	105 118 37	110 -9 12	124 24.4 42	92 1.1 27	109 -2.7 15	110 22.8 39	96 5 43	97 8 41
SFF 261118 6020392111 CTL 26 1118	1	F 170009 SFF 152893	113 62	100 57	98 47	97 23	96 33	100 43	85 26	96 40	111 -0.84 71	103 -0.07 48	102 9 23	100 6.6 57	98 3.6 47	98 56 42	91 3.1 44	91 74 27	103 -4 22	89 8.2 30	100 -5.8 34	93 0.2 15	101 18.5 50	94 4 31	91 3 30
SFF 262119 6020591381 CHRISTOFF PUNA 1	1	B 190199 SFF 214359	106 56	106 49	94 36	106 22	102 28	106 37	99 26	105 35	104 -0.09 67	103 -0.09 38	93 4 22	106 8.9 49	94 2.6 36	101 63 36	105 10.4 36	101 105 35	107 -7 13	113 19.2 39	93 0.2 26	104 -1.7 15	109 22.1 42	96 5 40	98 10 38
SFF 262489 6020398563 CTL 26 2489	1	F 170009 SFF 153924	103 63	112 57	104 48	100 26	103 31	111 43	99 20	110 38	108 -0.51 71	90 0.42 50	98 7 26	112 11.0 57	104 5.2 48	111 86 44	107 11.7 44	103 113 23	106 -6 16	101 13.4 25	93 -0.1 29	106 -2.2 15	105 20.2 50	106 12 25	109 19 25

Selection List on Cow Value

Bulls 2 years and older

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin					Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value									
Sorted on ID							Q204X	nt821	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc									
										★★★★★																		
1	B	190199	B190199	B 160029	ND 141714	0.4	HH	0	0	0		115	93	107	93	92	90	108	89	106	90	110	84	106	90	110	85	
2	B	200214	B200214	B 170073	JDI 110027	0.2	HH	0	0	0		133	90	100	89	104	86	81	84	113	85	113	80	94	86	110	81	
3	SFF	244460	SFF24 4460	B 190199	SFF 152861	1.7	HH	0	0	0		124	82	114	83	107	80	94	78	104	79	118	74	123	79	121	75	

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin	Genomic tested	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value										
Sorted on ID						Q204X	nt821	F94L		Acc	Acc	Acc	Acc	Acc	Acc										
1	SFF 152861	SFF152861	AB 118311	SFF 092403	0.0					110	75	131	71	113	72	74	13	97	33	121	51	136	38	127	48
2	SFF 152868	SFF152868	AB 118311	SFF 103493	1.6					120	76	124	69	103	64	83	27	109	44	125	54	125	40	128	51
3	SFF 223398	SFF223398	F 170009	SFF 113575	1.2					70	67	132	67	131	52	78	28	103	34	122	48	116	30	123	44
4	SFF 231046	SFF231046	F 180062		0.0	HH	0	1	0	80	79	124	79	117	78	92	77	120	77	126	72	116	76	127	73
1	AB 190070	AB190070	AB 080508	AB 150007	0.0	HH	0	1	1	104	81	117	80	90	79	107	78	114	79	119	73	98	78	116	74
2	F 244243	F 244243	F 170009	F 130026	4.9					119	63	101	58	101	50	95	29	112	36	111	45	95	24	109	41
3	SFF 172090	SFF172090	F 120176	SFF 113575	0.5					89	76	124	69	117	64	85	39	101	35	117	52	124	39	120	49
4	SFF 202276	SFF202276	SFF 151835	BOS 130028	0.1					110	70	107	69	119	62	74	38	102	35	110	51	101	36	109	48
5	SFF 211325	SFF211325	ND 150515	SFF 111522	0.5	HH	0	0	0	104	85	106	84	88	82	98	79	115	80	110	76	107	80	110	77
6	SFF 223395	SFF223395	F 170009	SFF 102470	1.2					124	67	100	67	106	52	115	32	108	33	114	48	92	26	110	44
7	SFF 244457	SFF244457	F 170009	SFF 152868	2.0					127	62	111	66	104	47	98	23	108	34	119	46	108	26	119	42
8	SFF 244464	SFF24 4464	F 170009	SFF 202276	1.1					120	61	108	66	110	47	87	27	105	32	114	46	102	25	113	42
1	AB 190027	AB190027	AB 075807	AB 155115	0.0					98	47	105	35	107	33	100	21	101	44	105	35	98	27	104	33
2	F 242228	F 242228	B 190199	F 150009	0.5					113	60	97	50	94	42	89	27	108	33	102	40	99	28	101	38
3	F 243234	F 243234	F 170009	F 150014	15.7					121	62	92	55	107	47	112	29	108	37	108	44	96	24	106	40
4	SFF 153924	SFF153924	AB 120912	SFF 102470	0.0					94	75	110	70	101	67	93	35	98	36	104	53	103	22	104	47
5	SFF 172076	SFF172076	F 120176	SFF 101433	0.4					73	76	109	73	111	73	86	38	108	42	106	56	101	38	105	52
6	SFF 194241	19 4241	SFF 172091	BOS 130029	2.0					64	68	120	66	110	54	74	32	109	34	109	48	113	34	111	45
7	SFF 202268	SFF202268	SFF 151835	SFF 101437	0.9					126	71	91	69	113	60	93	31	94	41	100	52	93	44	98	50
8	SFF 213351	SFF213351	ND 150515	AB 127012	1.0					87	67	111	66	108	49	97	30	97	39	105	49	104	33	105	46
9	SFF 214359	CHRISTOFF PUNA	F 170009	SFF 091291	1.3					103	66	102	58	95	50	104	22	98	34	100	44	91	24	98	40
10	SFF 224033	SFF224033	F 170009	SFF 091291	1.3					119	61	97	58	92	50	104	22	98	33	100	43	91	24	97	39
11	SFF 231040	SFF231040	B 190199	AB 190027	3.3					97	50	108	44	102	31	103	22	105	32	109	35	102	27	108	33
12	SFF 242072	CTL 24 2072	B 190199	AB 190027	3.3					109	52	103	44	99	31	104	22	103	31	107	35	102	27	106	33

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin	Genomic tested	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value										
Sorted on ID						Q204X	nt821	F94L		Acc	Acc	Acc	Acc	Acc	Acc	Acc									
13	SFF 244458	SFF244458	F 170009	FSD 130563	0.4					121	62	96	64	104	49	121	30	92	36	102	47				
1	SFF 151847	SFF151847	JDI 090051	EH 060046	2.8					104	76	95	70	105	70	90	21	94	37	94	52	79	21	90	46
2	SFF 172073	SFF172073	SFF 151835	SFF 141778	0.3					123	72	88	71	100	65	83	36	97	41	93	54	83	42	90	52
3	SFF 231042	SFF231042	F 170009	SFF 112554	1.2					110	58	92	58	96	51	124	25	99	33	99	43	86	27	96	40
4	SFF 231045	TRISTAN PANINA	F 170009	SFF 101393	1.1					104	64	85	59	102	51	97	31	97	32	90	45	91	30	88	42
1	SFF 091291	SFF091291	AB 030074	SFF 051119	0.0					82	78	103	72	86	73	100	23	85	38	86	54	85	32	84	50
2	SFF 152893	SFF152893	JDI 110160	SFF 111532	0.2					109	71	90	69	91	65	88	27	84	40	83	52	75	40	79	50
3	SFF 231038	SFF231038	F 170009	SFF 131703	0.6					111	54	89	55	93	45	111	25	87	29	88	40	94	22	87	36
1	F 150005	F 150005	F 090128	P 060001	0.4					108	63	86	59	74	64	81	38	86	45	75	50	80	29	73	46

Selection List on Cow Value

Bull Calves younger than 2 years

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc									
Sorted on ID								Q204X	nt821	F94L																		
											★★★★★																	
1	F 252254	F 252254	B 200214	F 140072	0.7							116	60	101	49	98	45	104	29	112	30	111	39	92	30	108	37	
2	SFF 252471	SFF25 2471	B 190199	SFF 172090	0.5	HH	0	0	0			102	84	116	83	109	81	95	80	104	80	115	75	117	80	117	76	
3	SFF 253479	CTL 25 3479	F 170009	SFF 194241	3.2	HH	0	0	0			84	84	121	83	101	80	93	79	112	80	117	75	103	78	116	76	
4	SFF 261485	CTL 26 1485	F 170009	SFF 152861	0.8							125	63	112	58	107	50	89	20	102	31	116	43	116	26	117	40	
5	SFF 261486	CTL 26 1486	F 170009	SFF 152868	2.0							127	63	107	57	103	47	94	23	108	34	116	43	110	26	116	40	
6	SFF 261488	CTL 26 1488	F 170009	AB 190070	0.2							124	58	103	51	96	40	108	24	111	34	113	40	97	22	111	36	
7	SFF 262490	CTL26 2490	F 170009	SFF 172076	2.4							92	63	110	58	108	50	96	26	108	33	111	44	99	26	109	40	
8	SFF 262491	CTL 26 2491	B 200214	SFF 172090	0.5							115	53	112	50	111	42	83	28	107	28	116	38	109	32	116	37	
											★★★★★																	
1	F 253256	F 253256	F 170009	F 180084	4.3	HH	0	0	0			116	83	76	82	99	80	105	78	104	79	90	74	89	78	89	75	
2	SFF 262492	CTL 26 2492	B 200214	F 150005	0.7							124	49	93	47	89	42	81	28	99	31	95	37	87	29	93	35	

Selection List on Cow Value

Heifers younger than 2 years

ID Sorted on ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin			Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc														
											★★★★																					
1	F	251245	F	251245	F	170009	F	160053		13.6	117	62	97	58	102	49	117	26	113	36	112	44	93	24	109	40						
2	SFF	251466	SFF25	1466	F	170009	BOS	130029		3.5	95	63	116	65	108	50	93	27	110	33	117	46	101	24	115	42						
3	SFF	261117	CTL	26 1117	B	190199	SFF	231040		26.7	97	53	114	45	98	31	106	22	105	27	112	34	104	26	112	32						
4	SFF	262489	CTL	26 2489	F	170009	SFF	153924		0.7	103	63	112	57	104	48	100	26	103	31	111	43	99	20	110	38						
											★★★★☆																					
1	F	252252	F	252252	B	200214	F	150021		2.0	114	59	99	48	95	45	86	26	109	32	104	39	94	30	102	37						
2	F	254259	F	254259	B	200214	F	170016		2.2	125	59	94	48	103	43	94	30	105	30	104	39	89	30	101	37						
3	SFF	252473	SFF	25 2473	B	190199	SFF	202268		1.1	131	59	95	53	102	40	100	25	100	30	105	40	99	32	104	38						
4	SFF	252474	SFF	25 2474	F	170009	SFF	152878		1.2	110	63	99	57	100	48	100	24	106	34	105	43	93	26	103	40						
5	SFF	253102	CTL	25 3102	F	170009	SFF	172073		0.8	125	62	97	57	102	47	94	27	102	33	105	43	90	27	102	40						
6	SFF	254107	CTL	25 4107	F	170009	AB	190027		1.5	115	49	101	49	105	38	104	21	104	34	108	38	97	22	107	35						
7	SFF	254482	CHRISTOFF	JORRIE 1	B	190199	SFF	222025		1.1	129	52	93	46	94	31	102	21	109	26	106	34	101	24	105	32						
8	SFF	261118	CTL	26 1118	F	170009	SFF	152893		0.8	113	62	100	57	98	47	97	23	96	33	100	43	85	26	96	40						
9	SFF	262119	CHRISTOFF	PUNA 1	B	190199	SFF	214359		1.5	106	56	106	49	94	36	106	22	102	28	106	37	99	26	105	35						
											★★★★																					
1	SFF	252092	CTL25	2092	B	200214	SFF	210221		0.0	123	49	90	37	103	28	90	20	94	21	95	29	96	25	94	28						
2	SFF	253478	CTL	25 3478	F	170009	SFF	124675		3.7	HH	0	0	0		117	83	95	82	92	80	107	78	100	79	99	74	99	78	99	75	
3	SFF	254108	TRISTAN	BLITZ	F	170009	SFF	123020		0.0	122	54	84	52	101	47	103	22	89	29	90	39										
4	SFF	254112	LIAM	SOFIA 1	B	190199	SFF	214006		0.0	109	50	93	40	97	27	103	19	93	23	94	31	103	22	95	29						

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

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.

