

BORAN

GENOMIC BREEDING VALUE REPORT

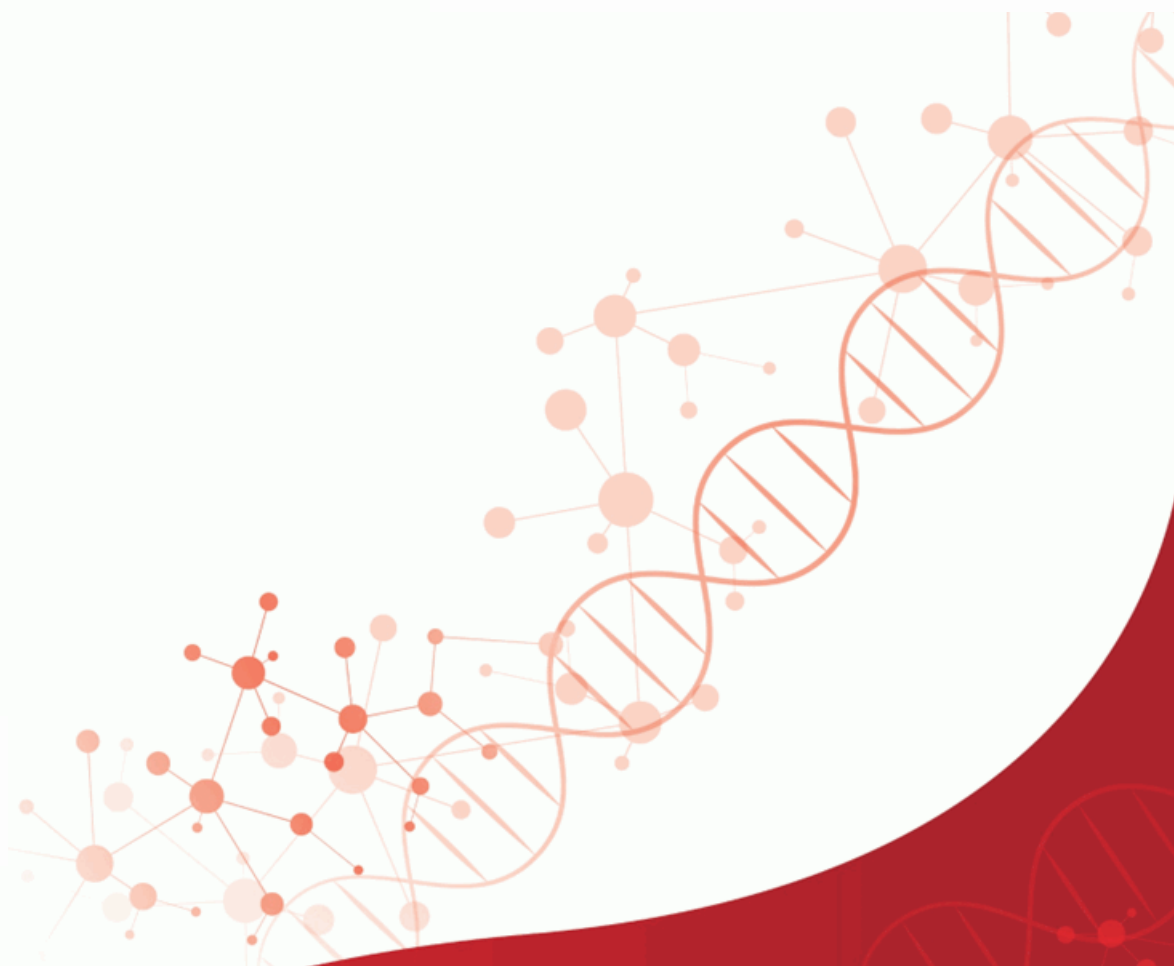
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SA Stud Book's breeding value analyses are at a very high standard and are internationally accredited. The models were adjusted to enable a more precise determination of current breeding values.

Genomic Breeding Values (GEBVs)



Genomically analyzed animals are marked with the accompanying logo. Older animals with accurate breeding values (Reference Population) are used to determine the relationship between the SNP markers and the breeding values, which are unique to each breed. Production measurements, pedigrees and genomic information are used to estimate Genomic Breeding Values (GEBVs). Genomically tested young animals therefore have extra information with which breeding values can be estimated especially for complex traits such as fertility and milk.

 Parentages can be determined very accurately with 50 000 markers, instead of the 15-30 markers with previous DNA tests, provided that the parent has also been genomically tested. Parentages are indicated as follows in this report:

- ☐ The parent has not been tested, and the parentage cannot therefore be confirmed genomically.
- ☒ Parentage is genomically correct
- ☒ Parentage conflict. If the correct parent has been genomically tested, SA Studbook will contact you. If the breeder of the animal confirms that the genomically designated parent was also on the farm at the time of mating, the parentage can be corrected. Please work extremely carefully when collecting and marking hair samples, otherwise the test must be repeated. If there are any queries, please contact Jason Reding at jason@studbook.co.za

Update to the Evaluation

Best scientific practice and technological improvements have made it possible to update the Genomic Evaluation as follows:

1. **Previous Calf:** A cow whose previous calf died or was not weaned will have its cow fertility and current calf's weaning weight penalized.
2. **The age adjustment** is within the contemporary group for weaning weight and growth traits instead of across the breed as before. This adjustment may affect some herds more than others.
3. **Mature Weight EBV/Maintenance Value** uses all of the cow's weights at weaning as a repeated measurement, not just the first 3 measurements as before. The EBV appears as Cow Weight Weaning on the report.

New breeding values

- **Cow weight at birth of the calf**
- **Cow weight at weaning of the calf**
- **Cow-Calf Ratio at birth of the calf.** The Cow-Calf ratio is calculated with breeding values.
- **Cow-Calf Ratio at weaning of the calf.** The Cow-Calf ratio is calculated with breeding values.
- **Veld growth breeding value:** The growth rate and adaptability from weaning to year or 18 months for animals in Phase B on the veld.
- **Skin thickness:** Skin thickness is an indication of adaptation, where thicker skins protect the animal more against ticks as well as heat (due to an increase in blood vessels in the skin)



EBVs, EBVi's and GEBVs

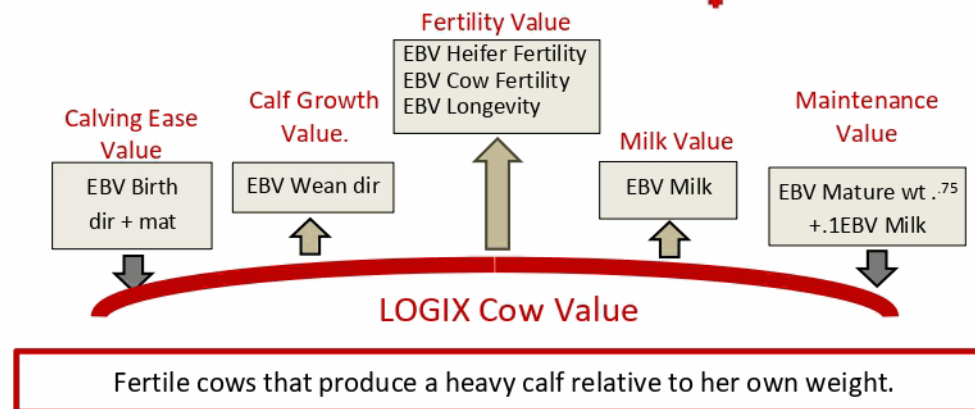
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100 tend to be in the more favourable direction.

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

GROWERS

(GOOD ENVIRONMENT)

- Calf Growth / Growth Value > 120
- Cow Value and Fertility Value average to high

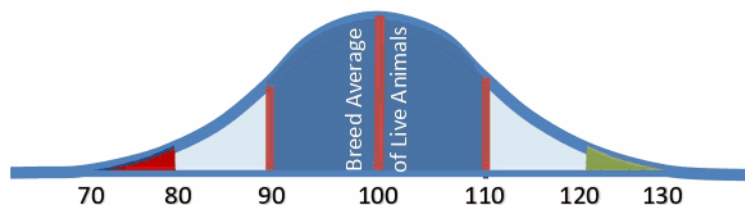
Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

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

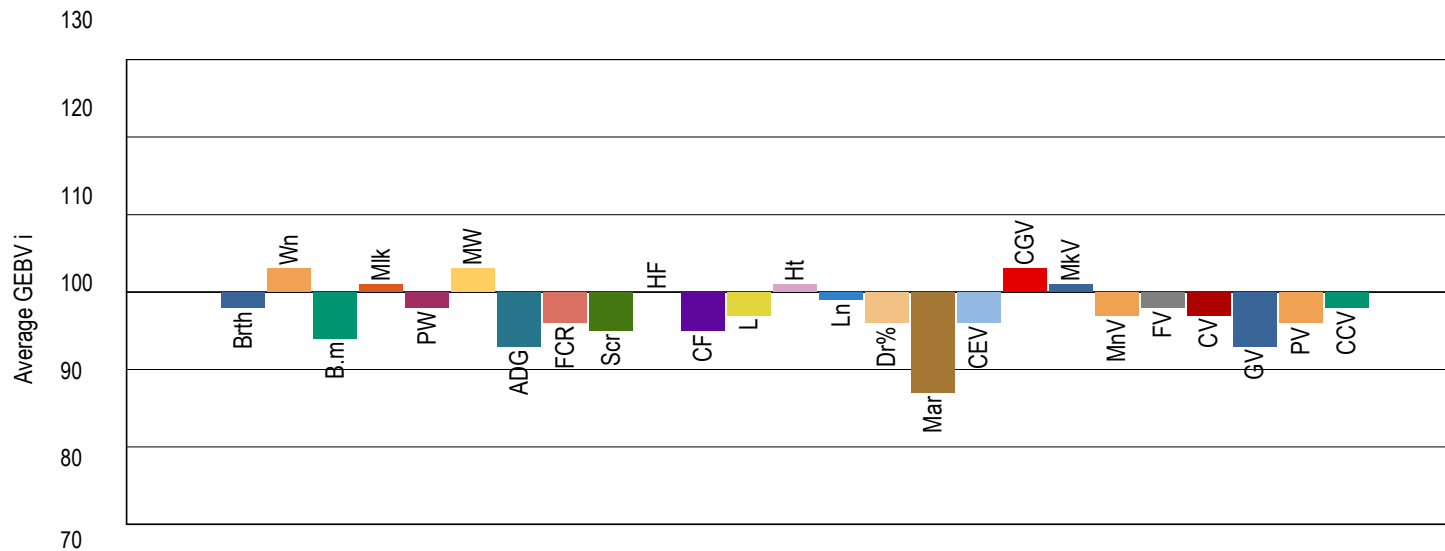


Examples

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

	EBVi	Description / Measurement	Goal	High Value	Low 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)	Profitable cows	Loss	Profit
	Growth Value	Efficient growth on veld and in feedlot (Rand-value)	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	Thick	Thin
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	<1	>1
Carcass	Eye Muscle Area	RTU Eye muscle area	Bigger steaks	Small	Big
	Fat	RTU P8 Backfat Thickness	Carcass quality	Thin	Thick
	Marbling	RTU % Marbling	Juicy meat	Low	High
	Dressing%	Carcass weight / Live weight	High dressing %	Low	High

Herd and Breed Averages



Genomic Breeding Values (GEBVs):

Brth:	Birth weight	Scr:	Scrotal circumf.
Wn:	Weaning weight	HF:	Heifer Fertility
B.m:	Birth maternal	CF:	Cow Fertility
Mlk:	Milk	LL:	Longevity
PW:	Post-wean weight	Ht:	Height
MW:	Mature weight	Ln:	Length
ADG:	Average Daily Gain	Dr%:	Dressing%
FCR:	Feed Conversion Ratio	Mar:	Marbling

Selection Values:

CEV:	Calving Ease Value
CGV:	Calf Growth Value
MkV:	Milk Value
MnV:	Maintenance Value
FV:	Fertility Value
CV:	Cow Value
GV:	Growth Value
PV:	Production Value
CCV:	Carcass Value

	Trait	EBV Herd	EBVi Herd	EBV Breed
Prewrite Growth	Birth Weight	0.47	98	0.35
	Wean Weight	2.3	103	1.3
	Birth Mat.	-0.04	94	-0.21
	Milk (Wn.Mat.)	0.7	101	0.5
Postwean Growth	Postwean Wt	3.1	98	4.0
	Mature Weight	9	103	7
	ADG	-13	93	-3
	FCR	9	96	0
Fertility	Scrotal Circumf.	-0.5	95	2.0
	Heifer Fertility	-0.9	100	-1.0
	Cow Fertility	0.8	95	-0.1
	Longevity	28.4	97	30.6
Frame	Height	2	101	2
	Length	0	99	1
Carcass	Dressing%	-0.04	96	0.00
	Marbling	-0.98	87	-0.23

Selection Value	Ave. Herd
Calving Ease	96
Calf Growth	103
Milk	101
Maintenance	97
Fertility	98
Cow Value	97
Growth Value	93
Production Value	96
Carcass Value	98

- 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?:

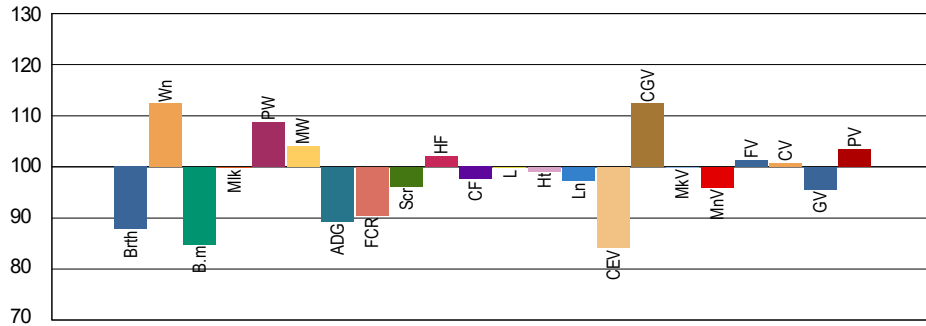
Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve earlier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

Genetic Windows

Bulls on the farm

Bulls born in 2023 and earlier

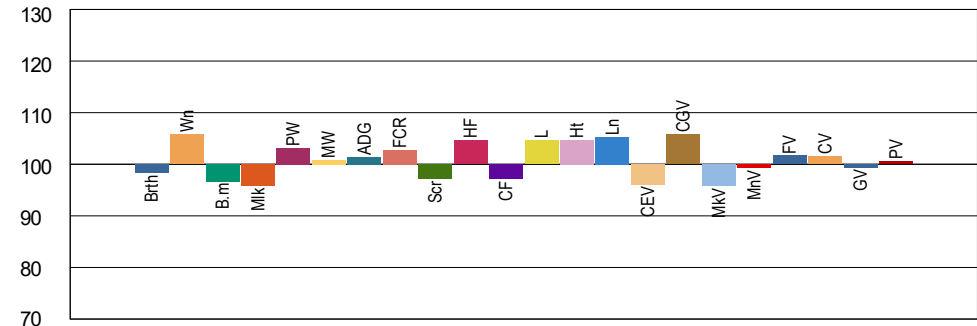
Total: 6



Cow Herd

Cows born in 2024 and earlier

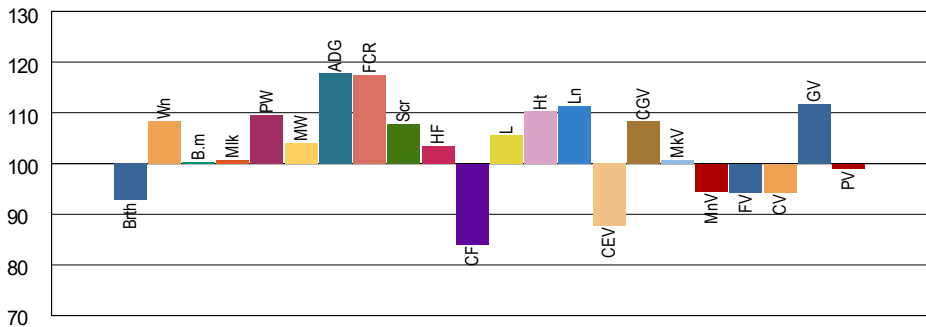
Total: 41



Sires of young animals

Sires of animals 3 years and younger

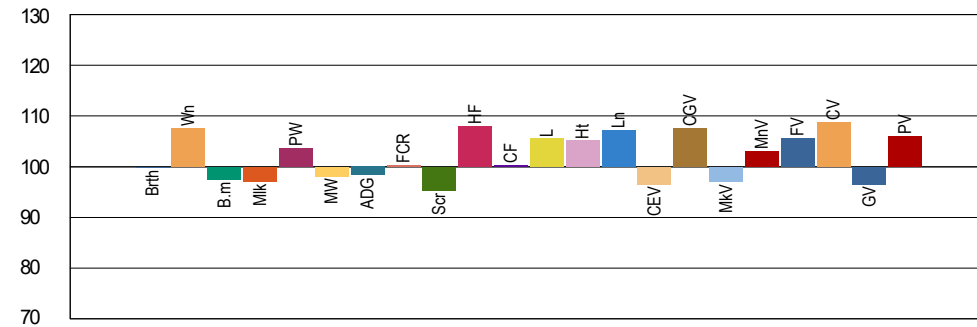
Total: 4



Cows older than 6 years

Cows born in 2020 and earlier

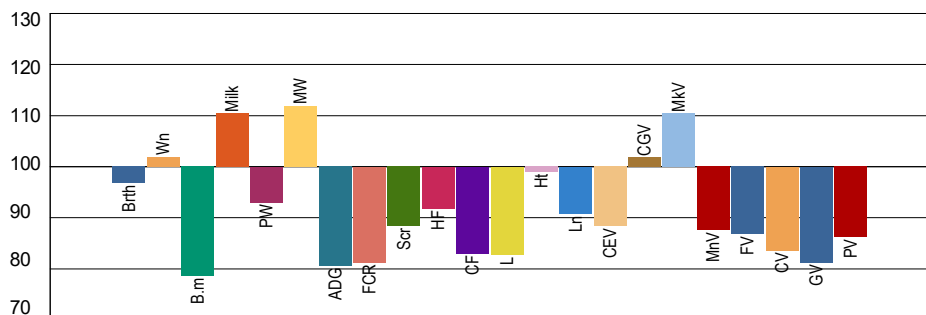
Total: 11



Bull calves

Bulls born in 2025

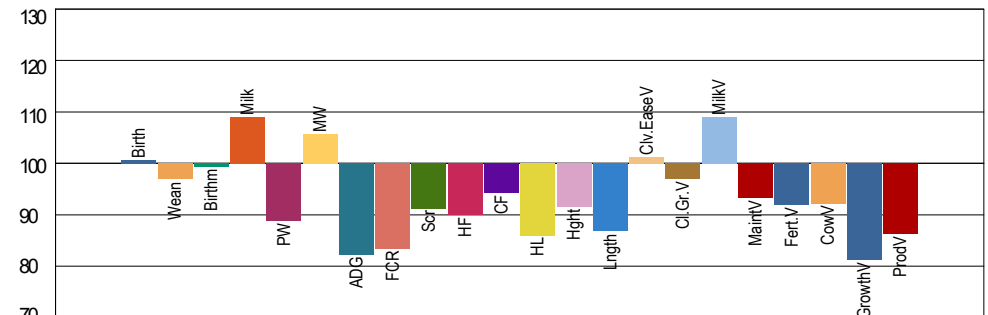
Total: 5



Heifer calves

Heifers born in 2025

Total: 11

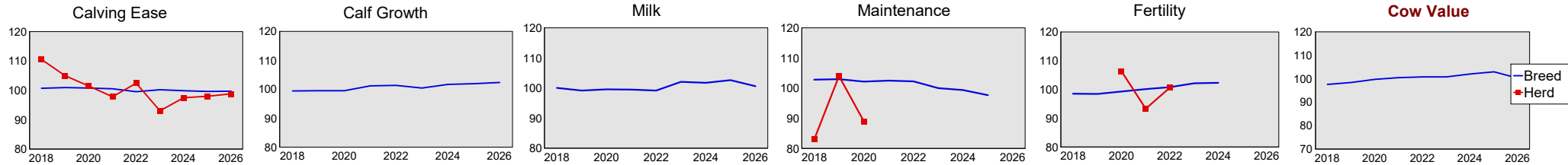


Summary of Cow Herd

			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	FCR	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	
Cows in Breed Average:			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2014	1	★★★★★	111	100	116	114	116	131	83	120	106	100	110	116	82	87	88	93	66	111	116	100	117	112	
2015	1	★★★★	56	136	103	83	97	98	117	104	53	136	49	103	141	119	109	99	93	112	81	108	126	120	
2017	3	★★★★☆	97	109	90	97	103	103	96	101	100	109	95	90	102	105	97	96	86	105	99	107	107	107	
2018	4	★★★★☆	102	94	89	115	105	102	91	98	110	94	112	89	94	86	95	101	101	106	102	105	95	98	
2019	1	★★★★☆	106	110	105	96	93	107	99	106	107	110	96	105	104	102	104	111	107	97	87	100	107	115	
2020	1	★★★★★	88	134	118	89	127	144	110	142	93	134	86	118	131	109	111	108	120	130	114	112	107	119	
2021	7	★★★★	98	97	92	108	95	93	93	91	100	97	97	92	96	93	96	98	91	100	93	102	99	95	
2022	10	★★★★☆	97	107	95	95	107	103	102	103	98	107	100	95	103	105	103	105	101	105	106	103	106	107	
2023	7	★★★★	91	111	97	91	97	96	103	97	98	111	83	97	108	109	104	104	96	103	87	108	105	108	
2024	10	★★★★	97	101	103	100	97	98	94	96	97	101	99	103	97	100	95	97	97	102	94	95	102	99	
2025	11	★★★★	101	97	109	93	92	92	81	86	101	97	99	109	89	106	82	83	91	90	94	86	92	87	
2026	1	★★★★	113	88	110	86	97	91	79	84	112	88	100	110	79	113	82	84	102	89	101	88	92	86	
Cows in Herd Average:			96	107	102	97	102	105	96	102	98	107	94	102	102	103	97	94	96	104	98	101	105	104	

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.



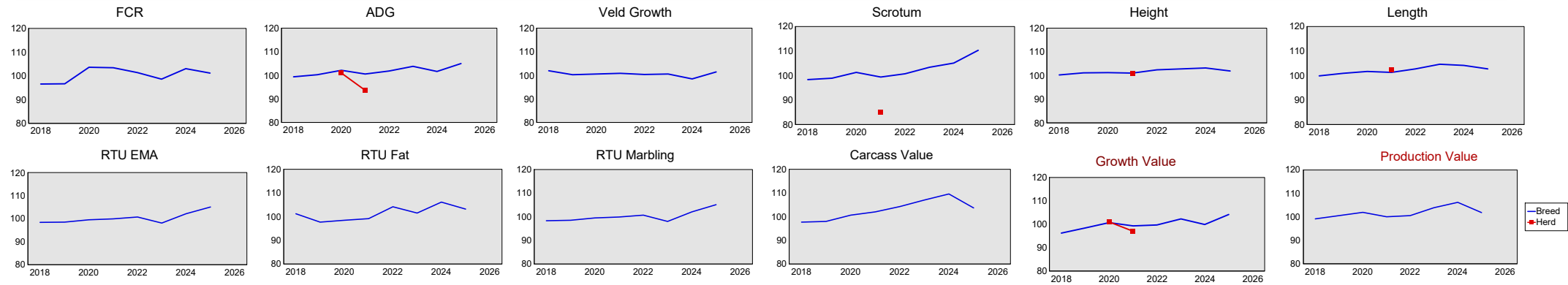
Herd

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		
2018	2	-0.69	0.19	111							1	23	83					2	35.1		
2019	1	0.27	-0.36	105							1	2	104					2	32.1		
2020	9	0.11	-0.02	101						1	12.3		89	3	-8.1	1	2.9	8	31.1	106	
2021	13	0.37	-0.04	98										3	2.6			15	26.3	93	
2022	9	0.16	-0.20	102										3	-4.4			1	28.6	101	
2023	23	0.48	0.16	93																	
2024	19	0.47	-0.29	97																	
2025	19	0.39	-0.05	98																	
2026	4	0.09	0.20	99																	

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility								Cow Value
	Birth Weight		Calv. Ease	Mat EBV	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight	Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility				
	Number	Dir EBV			Number	EBV		Number	EBV		Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	
2016	5443	0.25	-0.17	101	1281	0.3	97	1281	0.23	99	592	1.5	529	4	104	2172	-0.3	1452	-0.1	9930	20.4	96	96	
2017	5493	0.27	-0.18	101	1761	0.5	98	1761	0.42	100	648	2.4	645	5	103	2363	0.4	1709	0.1	9984	21.7	96	96	
2018	5384	0.28	-0.21	101	1835	1.1	99	1835	0.52	100	828	3.5	705	5	103	2244	-0.6	1771	-0.3	10164	23.4	99	98	
2019	6007	0.27	-0.21	101	1830	1.1	100	1830	0.31	99	1030	3.8	813	4	103	2427	-0.7	1951	0.0	10086	24.2	98	98	
2020	6058	0.28	-0.21	101	2614	1.2	100	2614	0.41	100	1350	4.0	812	5	102	2473	-0.5	1903	-0.3	9714	25.5	99	100	
2021	6281	0.32	-0.24	101	2943	1.7	101	2943	0.38	99	1176	4.8	847	5	102	2722	-1.0	1752	-0.1	9450	26.3	100	101	
2022	7027	0.38	-0.21	100	3201	1.7	101	3201	0.30	99	1254	5.4	769	3	102	2616	-1.7	603	-0.4	4191	25.3	101	101	
2023	7776	0.34	-0.22	100	3889	1.5	100	3889	0.99	102	1553	4.8	92	4	100	1264	-1.9	7	1.3			102	101	
2024	8885	0.37	-0.21	100	3974	1.9	102	3974	0.92	102	1552	5.1			99	13	-1.1					102	102	
2025	9169	0.38	-0.20	100	3793	1.9	102	3793	1.13	103	219	5.6			98								103	
2026	4059	0.36	-0.18	100	96	2.1	102	96	0.67	101													100	

Genetic Trends for Growth Test and Carcass Traits



Herd

Birth Year	Growth												Frame						Carcass						Selection Values			
	FCR			ADG			Veld Growth			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	Number	EBV	EBVi	RTU Number	EBV	EBVi	EBV	EBVi	EBV	EBVi			
2018																												
2019																												
2020				1	-2	101																				101		
2021				3	-13	94				3	-5.5	85	3	2	101	3	2	102								97		
2022																												
2023																												
2024																												
2025																												
2026																												

Breed

Birth Year	Growth												Frame						Carcass						Selection Values				
	FCR			ADG			Veld Growth			Scrotum			Height			Length			RTU		EMA		Fat		Marbling		Cracss Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	EBV	EBVi	EBV	EBVi				
2017	19	-7	104	176	-5	99	447	-10	97	174	1.1	98	175	0	97	175	-1	98	118	-0.22	96	-0.31	98	-0.32	99	98	96	95	
2018	48	7	97	375	-4	99	458	-3	102	379	1.1	98	375	2	100	375	1	100	240	0.07	101	0.05	101	-0.33	98	98	96	99	
2019	37	7	97	455	-3	100	563	-6	100	432	1.4	99	456	3	101	462	1	101	348	-0.01	100	-0.29	98	-0.32	99	98	98	101	
2020	28	-7	104	580	0	102	722	-5	101	525	2.6	101	584	3	101	590	2	102	448	0.05	100	-0.22	99	-0.26	100	101	101	102	
2021	40	-6	103	557	-3	101	642	-5	101	537	1.7	99	557	2	101	560	1	101	331	0.16	102	-0.15	99	-0.24	100	102	99	100	
2022	67	-2	101	476	-1	102	795	-5	100	491	2.3	101	494	3	102	494	2	103	316	0.23	103	0.34	104	-0.19	101	104	100	101	
2023	29	3	99	476	2	104	1016	-5	101	510	3.7	103	508	3	103	510	3	105	195	0.59	109	0.08	102	-0.35	98	107	102	104	
2024	10	-6	103	476	-1	102	927	-8	99	463	4.6	105	462	4	103	463	3	104	159	0.55	108	0.52	106	-0.11	102	110	100	106	
2025	6	-2	101	12	4	105	188	-4	101	12	7.3	110	12	3	102	12	2	103	12	-0.11	98	0.23	103	0.07	105	104	104	102	
2026																													

Sires

Bull			Selection Values										Birth			Wean				Grwth & Adaptation					Fertility				Raam		Carcass				Progeny		
Index EBV Acc	ID Comp.nr	Genomic	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass V	Cow wt brth	Birth wt	Cow-Calf birth	Cow wt wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %	Nr measured		
																																			Birth	Wean	
																																				Grwth Test	Dght&clv (Weaned)
11-0004KG	80161938	K6K3534 KPO1185	103	105	69	107	150	132	90	123	91	89	101	117	94	105	69	81	106	90	101	91	93	109	136	151	116	98	98	84	89	92	83	45			
			87	55	55	56	72	59	46	55	46	-3	0.32	-2.0	1	3.0	-6.9	-55	7.1	-18	-4	18	-0.08	6.4	-24.3	-9.6	43.2	0	-0.4	-1.04	-1.18	-0.73	-0.21				
B 070069	66698721	K6K2823 KPO999	109	98	101	103	115	115	82	106	88	98	111	99	95	98	101	101	106	88	102	85	96	106	113	118	102	91	95	111	96	109	110	2	2		
			78	65	67	67	58	61	54	59	34	5	-0.38	-0.3	3	0.7	0.7	-10	7.4	-22	-4	30	0.07	4.9	-9.0	-3.5	32.2	-3	-2.6	0.77	-0.48	0.31	0.13	3	3	11	
BU 160057	 B 070052 84178482 CI 080037		92	146	147	88	122	147	128	151	143	105	98	91	109	146	147	148	145	119	120	108	130	137	133	106	104	110	122	144	111	107	144	175	142		
			97	97	93	94	90	85	94	88	94	10	0.48	0.5	15	16.2	11.7	93	28.9	24	24	-16	1.51	20.6	-22.1	-1.2	33.9	8	14.3	2.92	1.00	0.16	0.57	46	31	48	
GE 170035	PRB 120049 86093226 VST 130014		97	95	100	88	118	99	99	98	88	109	92	107	112	95	100	92	94	92	92	84	88	68	115	117	106	101	94	79	82	115	78	1	1		
			62	60	57	57	47	51	40	48	36	14	0.87	-1.0	18	-0.3	0.4	-32	0.7	-15	-18	32	-0.25	-14.2	-10.8	-3.3	35.7	2	-3.2	-1.34	-1.84	0.68	-0.28				
HOT 090001	 MHB 040027 70425145 HOT 070009		68	110	104	99	83	81	88	78	120	112	56	64	99	110	104	111	119	88	89	88	150	113	106	70	92	105	100	94	149	114	103	119	40		
			97	95	94	94	93	85	92	87	92	17	3.20	3.1	6	4.6	1.5	11	14.7	-21	-22	25	2.33	8.7	-5.1	5.6	24.4	5	0.6	-0.35	4.68	0.58	0.04	3	20	52	
MHB 070009	 TLM 020003 66906959 MHB 040011		105	101	89	114	97	103	88	98	89	88	110	135	89	101	89	97	97	89	74	84	49	56	81	114	92	92	88	60	84	87	60	41	25		
			96	95	94	94	93	85	94	88	94	-4	-0.31	-3.7	-3	1.5	-2.0	-20	2.5	-20	-45	33	-1.93	-20.2	11.5	-2.7	23.7	-3	-6.5	-2.62	-1.64	-1.00	-0.51	17	15	46	
MHB 100031	HVT 950017 72108707 MHB 060009		118	116	87	102	111	128	111	128	110	104	122	104	97	116	87	102	107	111	74	106	138	77	135	87	103	129	127	108	90	47	106	32	24		
			91	88	84	86	65	75	84	78	82	10	-1.05	-0.8	4	6.6	-2.5	-8	7.8	14	-45	-11	1.83	-9.7	-23.6	2.3	33.3	19	17.3	0.55	-1.07	-3.36	0.09	21	19	52	
PRB 130027	BCR 070008 77243616 BA 090113		92	96	96	93	94	81	85	78	94	117	107	81	106	96	96	91	89	97	52	94	118	98	117	82	99	128	108	82	82	79	80	16	29		
			87	87	75	79	64	72	68	71	41	20	-0.13	1.5	12	-0.1	-0.5	-32	-2.0	-8	-79	13	1.00	1.1	-11.7	3.3	29.8	18	5.9	-1.19	-1.80	-1.46	-0.25	7	9	16	
PRB 190009	 B 060012 88763958 B 040017		94	107	110	96	101	106	119	112	108	104	93	119	101	107	110	113	107	120	84	118	109	113	100	99	107	111	111	122	90	102	120	46	8		
			92	88	86	86	85	79	86	81	84	10	0.79	-2.2	8	3.7	3.0	15	8.0	26	-31	-36	0.61	8.6	-0.9	0.2	36.5	8	7.6	1.48	-1.01	-0.09	0.25	5			
SPJ 110106	Z 060051 73774796 SPJ 070007		86	119	124	101	123	136	82	124	97	103	85	90	96	119	124	135	101	88	50	92	94	64	117	130	88	117	112	89	79	109	87	9	1		
			80	66	68	71	70	64	54	61	48	9	1.31	0.6	3	7.5	6.2	63	4.3	-22	-82	16	-0.03	-16.0	-11.9	-5.7	20.8	12	8.3	-0.69	-2.14	0.31	-0.16	3	4		
SPJ 110107	HVT 970017 73774804 SPJ 070007		99	92	76	128	78	82	73	74	76	77	93	92	73	92	76	86	80	68	74	62	117	49	86	80	96	65	79	96	98	112	96	100	25		
			95	87	84	87	71	77	70	75	63	-12	0.82	0.4	-16	-1.2	-5.1	-43	-7.0	-50	-45	77	0.95	-23.7	7.8	3.7	27.5	-19	-12.6	-0.23	-0.22	0.48	-0.05	7	22	44	
SPJ 160005	SPJ 110107 83599761 SPJ 110114		90	101	86	117	99	97	88	93	86	87	94	81	86	101	86	96	95	94	86	98	102	80	101	101	99	93	98	98	84	113	95	14			
			79	55	57	62	50	55	48	53	44	-4	0.78	1.4	-5	1.6	-2.8	-23	1.2	-12	-27	4	0.33	-8.3	-1.5	-0.3	29.5	-2	-0.7	-0.15	-1.68	0.56	-0.06	1	1	2	
SPJ 180008	W 110036 87923009 W 120006		79	114	101	96	84	88	122	97	104	106	72	93	102	114	101	109	113	129	103	132	87	98	93	78	100	123	113	106	81	115	103	13	7		
			79	69	57	56	54	58	44	54	36	12	2.16	0.3	9	5.9	0.7	7	11.3	40	-1	-63	-0.31	0.8	3.4	4.0	30.7	15	8.7	0.39	-1.93	0.63	0.04				
SS 110031	SS 080061 73898264 SS 060003		101	99	105	111	104	110	105	110	106	84	97	99	90	99	105	108	98	99	93	110	121	99	109	100	102	114	110	129	121	81	130	71	46		
			94	92	84	86	74	78	86	80	84	-7	0.53	-0.3	-2	0.9	1.6	4	3.0	-5	-17	-19	1.11	1.7	-6.4	0.0	31.9	10	7.0	1.90	2.01	-1.38	0.39	27	22	53	

Sires

Bull			Selection Values										Birth			Wean				Grwth & Adaptation					Fertility				Raam		Carcass				Progeny	
Index EBV Acc	Genomic	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass V	Cow wt brth	Birth wt	Cow-Calf birth	Cow wt wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %	Nr measured		
ID Comp.nr																																		Grwth Test	Dght&clv (Weaned)	
VST 120006 75361733		CI 080030 MHB 050008	111 89	103 81	103 80	96 82	85 68	98 72	92 74	95 73	104 70	114 18	115 -0.62	102 -0.5	102 9	103 2.4	103 1.2	104 -5	95 1.0	99 -4	76 -42	104 -8	78 -0.68	201 2.4	92 4.4	74 4.9	104 33.6	89 -4	103 2.7	109 0.60	106 0.51	77 -1.59	109 0.12	23 1	8 12	
VST 120057 76046465		MHB 060030 MHB 070035	114 96	80 95	70 91	139 92	55 76	68 82	45 86	51 83	73 86	75 -15	111 -0.37	91 0.5	59 -29	80 -5.1	70 -6.7	77 -63	75 -9.8	54 -72	70 -52	50 101	52 -1.79	93 -1.4	68 19.7	55 8.2	95 26.9	56 -24	66 -20.4	60 -2.60	87 -1.36	76 -1.67	60 -0.51	123 24	114 41	
VST 150018 82156183		TLM 040578 MHB 060009	109 95	100 96	95 86	125 87	99 67	116 79	89 88	110 82	95 86	86 -6	106 -0.06	113 -1.6	76 -14	100 1.5	95 -0.7	108 5	96 1.6	89 -20	89 -23	85 29	92 -0.12	81 -7.4	103 -2.8	94 1.0	104 33.9	63 -20	80 -11.7	145 3.00	95 -0.58	68 -2.11	141 0.53	149 29	135 25	
VST 160022 83959213		VST 110001 MHB 060009	83 96	105 97	83 92	119 93	98 90	96 85	113 93	101 87	131 93	88 -3	85 1.35	112 -1.6	84 -7	105 2.9	83 -3.5	97 -20	104 6.4	103 1	95 -13	98 5	116 0.93	94 -1.2	115 -10.8	84 2.9	104 33.9	101 2	97 -1.3	119 1.27	137 3.54	92 -0.69	124 0.31	204 40	142 21	
VST 160048 84269810		TLM 040578 MHB 090024	107 93	63 93	101 88	123 88	74 87	65 81	96 89	67 83	78 89	79 -11	112 -0.45	87 0.9	79 -12	63 -10.9	101 0.8	84 -49	75 -9.6	101 -2	89 -22	110 -20	99 0.21	117 10.8	84 9.1	74 4.8	95 26.7	69 -16	65 -20.8	113 0.86	104 0.28	91 -0.75	112 0.15	50 7	41 4	
VST 170133 86376043		VST 110001 BOS 110167	75 92	104 90	97 86	94 86	93 85	80 79	118 86	89 81	114 86	99 6	73 2.12	108 -1.1	105 11	104 2.7	97 -0.2	98 -16	115 12.4	139 55	136 49	140 -80	101 0.27	123 13.7	110 -7.6	85 2.6	94 26.0	124 16	121 13.8	106 0.39	98 -0.25	86 -1.05	105 0.07	70 1	14 1	
VST 180096 87762514		FN 090433 VST 130051	95 91	108 91	97 86	101 85	119 84	116 79	119 86	121 81	116 86	107 12	90 1.00	108 -1.2	97 4	108 3.9	97 -0.3	104 -4	108 8.3	114 18	96 -13	117 -33	104 0.42	125 14.5	111 -7.9	123 -4.4	104 34.1	106 5	106 4.7	145 2.99	98 -0.24	95 -0.55	142 0.55	38 2	26 	
W 150811 81440695		B 090020 B 090471	77 80	117 75	94 63	94 65	123 57	112 63	79 55	102 61	80 40	111 15	75 1.96	90 0.6	105 12	117 7.0	94 -0.9	105 -2	119 14.7	87 -22	92 -19	95 11	95 0.03	123 13.6	111 -8.2	124 -4.6	106 35.5	92 -3	97 -1.1	100 -0.01	64 -3.55	78 -1.52	94 -0.07	13 3	10 3	
YSB 180004 88382817		VST 120006 PRB 150007	108 92	105 88	94 85	99 85	90 85	100 79	109 84	103 80	121 84	105 11	119 -0.90	91 0.5	99 6	105 3.0	94 -0.9	99 -15	101 4.4	111 13	80 -37	111 -21	137 1.81	102 3.1	102 -2.3	75 4.5	108 36.9	105 5	110 6.8	111 0.75	107 0.58	76 -1.65	112 0.16	65 	10 	
YSB 200002 90317744		VST 120006 PRB 150007	74 71	117 55	102 51	89 52	93 45	91 50	101 65	92 54	113 43	121 24	86 1.27	76 1.9	111 17	117 6.9	102 1.1	108 6	115 12.3	101 -2	72 -48	101 -1	126 1.34	93 -1.6	102 -2.2	77 4.2	113 40.9	101 3	103 2.6	105 0.35	112 1.11	80 -1.40	107 0.09	9 		
Z 060051 64737927		KPO794 K6K2386	94 99	121 98	116 98	82 98	144 98	142 88	92 97	133 91	113 96	117 20	100 0.37	98 -0.2	119 24	121 8.0	116 4.2	117 24	107 8.0	99 -5	84 -29	112 -23	100 0.25	94 -0.9	132 -21.4	151 -9.6	96 27.6	141 26	129 18.3	91 -0.61	66 -3.39	131 1.60	87 -0.17	306 13	43 137	

Growth Tests

Animal					Weight		Conformation				Growth & Efficiency				Carcass				
Test Code	Sex	Test number	Sire ID	Cow Value	Wean dir	End-wt	Length	Height	Length/Height	Scrotum	Intake	ADG	FCR	Growth Value	EMA Eye muscle Area	Fat	Marbling	Dress %	Carcass Value
Test Station		ID	Dam ID																
202201 D21 M		0591151MIX																	
PEINKE RANCH		YSB 210022	W 150811	103	127	108	112	120	81	108	99	109	109	108	105	92	84	104	109
		93085611	PRB 150007	44	52	5	8	13	1.08	6.1	0.01	10	-18	62	0.37	-0.81	-1.20	0.06	32
		YSB 210025	B 070069	111	98	83	84	78	120	98	114	75	73	73	85	110	120	88	91
		93085637	MHB 060005	76	84	-9	-9	-11	1.14	1.1	-0.09	-40	55	85	-0.94	0.91	0.96	-0.16	82
							84	86	85	86	81	84	81		82	82	82	82	

Breeding Values and Accuracies: Bulls

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Value										Birth			Wean				Growth & Adaptation					Fertility				Frame		Carcass			
ID	Inbreeding	Genomic	Index	Calv. Ease V	Calv Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -brth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Yeld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %
Animal no	%	Parentage	Sire ID Dam ID																																
YSB 210022	1	W 150811	150811	63	127	98	88	110	103	114	108	105	109	119	63	68	112	127	98	111	130	109	84	109	121	108	112	102	107	120	112	105	92	84	104
93085611		PRB 150007		58	52	45	46	40	44	51	62	49	32	22	2.78	2.6	17	10.1	0.1	12	20.8	10	-30	-18	1.1	6.1	-8.5	-0.5	36.4	13	8	0.37	-0.81	-1.20	0.06
					42	58	54	46	52	45	48	36	60	23	19	74	70	40	26	53	67	57	30	33	30	32									
YSB 210025	5	B 070069	070069	111	98	85	104	117	111	95	73	99	91	106	112	101	95	98	85	89	101	75	88	73	118	98	112	114	113	78	84	85	110	120	88
93085637		MHB 060005		85	84	84	84	83	76	84	85	79	82	12	-0.40	-0.5	3	0.8	-3.1	-37	4.5	-40	-24	55	1.0	1.1	-8.9	-2.8	41.2	-11	-9	-0.94	0.91	0.96	-0.16
					83	85	85	84	84	84	84	84	84	84	84	84	84	84	84	84	82	84	80	81	87	86	82	81	85	86	84	82	82	82	82
YSB 220005	1	YSB 180004	180004	81	118	90	115	91	103	115	93	100	102	94	85	76	88	118	90	110	111	94	83	96	122	84	98	83	107	93	98	103	99	94	102
94719671		SPJ 170030		63	46	38	39	34	41	47	34	39	30	2	1.34	1.9	-4	7.3	-1.9	10	10.0	-12	-32	8	1.2	-6.3	0.2	3.1	35.9	-2	0	0.20	-0.21	-0.61	0.03
					36	69	53	39	46	38	41	31	33	18	18	36	35	33	23	46	34	32	29	31	29	30									
YSB 230004	5	PRB 180011	180011	81	106	108	83	105	92	98			83	101	86	89	118	106	108	102	98	75		79	92	97	98	110	85	95	88	83	74	71	80
95379772				53	20	22	23	24	26	26			12	8	1.24	0.6	22	3.2	2.4	-8	2.6	-41		42	-0.1	0.7	0.3	-1.9	18.6	-1	-6	-1.12	-2.57	-1.94	-0.26
					23	60	40	23	20	22	22	15	14	16	25	15	31	15	14	11	12	11	12												
YSB 230013	5	YSB 180004	180004	85	121	104	98	97	109	120	108	110	121	107	93	81	100	121	104	117	118	110	101	114	127	108	102	88	104	115	118	109	104	95	110
95857199		PRB 160059		64	48	36	37	32	41	47	30	38	26	12	0.78	1.4	7	8.1	1.4	25	14.0	11	-4	-27	1.4	5.9	-2.4	2.1	33.9	10	12	0.61	0.36	-0.51	0.13
					35	70	53	37	48	36	40	32	29	16	16	32	31	31	21	45	31	28	25	27	25	26									
YSB 230026	5	PRB 210019	210019	84	104	114	88	88	86	103			80	103	88	90	111	104	114	109	94	73	95	72	90	82	90	89	83	94	84	83	73	76	80
96178983				50	30	23	24	21	28	32			16	9	1.14	0.6	17	2.6	3.9	6	0.5	-43	-13	55	-0.2	-7.0	5.6	2.0	17.2	-1	-9	-1.09	-2.70	-1.67	-0.26
					22	58	39	24	30	23	26	26	18	10	11	19	19	20	15	27	18	17	16	17	16										
YSB 240005	5	PRB 190009	190009	97	108	101	96	103	106	107	104	106	100	104	95	119	102	108	101	106	105	106	81	105	84	96	95	108	104	103	102	100	85	101	98
98081854		YSB 210020		61	45	39	39	35	41	46	40	41	30	10	0.65	-2.2	8	3.8	0.9	-1	6.8	5	-35	-10	-0.5	-0.1	2.0	-1.6	33.8	4	2	0.05	-1.55	-0.20	-0.02
					36	67	52	39	45	39	41	34	39	15	17	38	37	35	23	47	36	33	29	31	29	30									
YSB 240008	5	PRB 190009	190009	81	113	105	89	99	96	107	118	103	123	115	84	88	110	113	105	108	116	114	80	109	143	103	106	90	108	118	115	116	105	96	117
98081870		PRB 150007		66	51	43	43	37	45	51	46	45	30	19	1.38	0.8	16	5.5	1.7	5	12.6	18	-37	-17	2.0	3.5	-4.8	1.8	36.9	13	10	1.09	0.45	-0.50	0.22
					40	72	56	43	51	43	46	39	44	19	20	46	44	36	24	51	43	38	29	31	29	30									
YSB 250007	5	PRB 170044	170044	88	107	110	85	92	91	104	79	83	88	107	98	88	115	107	110	106	97	82	94	80	106	83	101	86	83	110	98	89	73	53	86
98866148				55	31	30	31	25	32	35	28	31	26	12	0.47	0.8	20	3.6	2.8	0	2.2	-31	-16	41	0.5	-6.8	-1.5	2.5	16.9	8	-1	-0.70	-2.69	-3.05	-0.18
					31	62	45	31	31	30	31	27	27	13	12	30	29	26	17	33	28	27	25	27	25	26									
YSB 250008	5	YSB 210006	210006	91	97	110	91	78	76	95			84	98	93	94	108	97	110	102	89	81	104	85	87	88	81	77	81	93	85	91	76	79	88
98866155				51	23	20	21	19	25	27			15	5	0.80	0.2	14	0.2	2.9	-8	-2.2	-31	0	31	-0.3	-3.9	11.0	4.1	15.2	-2	-9	-0.59	-2.40	-1.50	-0.16
					19	59	38	21	23	20	21	16	17	9	9	18	16	17	9	9	18	16	17	8	8	19	18	19	13	24	17	16	14	16	15
YSB 250010	5	YSB 220004	220004	94	100	110	89	94	90	99			93	103	103	90	110	100	110	103	91	81	99	83	95	94	96	90	83	93	90	94	82	66	91
98917701				49	23	20	20	20	25	27			16	9	0.17	0.6	16	1.4	2.8	-6	-1.2	-32	-7	35	0.0	-1.0	1.6	1.7	17.3	-2	-6	-0.40	-1.84	-2.24	-0.11
					20	58	37	20	23	20	21	16	17	8	8	19	18	21	12	26	18	16	15	16	15	16									
YSB 250018	5	PRB 150007	150007	66	110	114	83	87	77	101	82	73	103	110	80	73	117	110	114	109	104	81	91	78	125	89	94	81	85	103	93	94	90	71	94
99733305				56	37	32	33	28	35	39	34	35	24	15	1.68	2.2	22	4.4	3.9	8	6.4	-31	-19	45	1.3	-3.3	3.0	3.4	18.2	4	-4	-0.34	-1.01	-1.95	-0.08
					32	63	46	33	37	32	34	31	33	17	16	37	35	28	18	37	34	31	33	17	16	37	35	28	18	37	34	31	24	25	24

Breeding Values and Accuracies: Bulls

Inbreeding in red is high

Value <80Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Value										Birth			Wean				Growth & Adaptation					Fertility				Frame		Carcass					
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -brth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %
YSB 250020						103	95	108	90	83	84	96	74	76	89	102	110	96	109	95	108	100	84	78	95	80	100	88	87	81	82	96	88	91	78	66	88
99733321		YSB 220006				32	25	21	22	21	22	25	20	21	18	8	-0.29	0.0	14	-0.2	2.5	-13	-4.7	-36	-13	41	0.2	-4.0	7.5	3.4	16.3	-1	-7	-0.58	-2.22	-2.26	-0.15
																21	35	28	22	25	21	23	20	19	11	12	21	20	22	14	26	20	19	17	18	18	18
YSB 260002						102	83	102	96	93	79	81	67	69	77	94	111	91	103	83	102	89	76	74	97	77	85	86	97	92	82	97	83	82	79	74	79
6020714991		VST 210061				52	33	27	27	21	30	35	22	28	16	2	-0.33	0.5	9	-4.2	1.0	-37	-9.2	-41	-11	47	-0.4	-4.9	1.1	1.4	16.5	0	-10	-1.19	-2.16	-1.76	-0.27
																26	60	41	27	33	27	29	20	21	9	11	24	23	21	14	29	23	20	16	17	16	16
YSB 260003						98	91	110	97	85	82	93	64	71	81	94	104	92	101	91	110	101	81	73	88	72	86	95	92	82	83	92	83	81	75	72	78
6020506959		YSB 210015				50	28	24	25	22	28	31	21	26	16	2	0.13	0.4	8	-1.7	2.9	-11	-6.5	-44	-25	56	-0.3	-0.5	4.2	3.3	16.8	-3	-10	-1.22	-2.48	-1.89	-0.27
																24	57	39	25	28	24	26	22	20	9	11	23	22	23	14	28	22	20	15	16	15	16
YSB 260004						109	86	107	110	83	89	95	62	76	80	84	108	101	91	86	107	101	77	70	96	70	76	98	86	82	83	79	78	82	79	78	80
6020506967		VST 180034				54	35	31	30	25	33	37	24	30	24	-7	-0.15	-0.5	-1	-3.2	2.2	-12	-8.7	-48	-12	61	-0.8	1.1	7.9	3.3	17.0	-10	-13	-1.15	-2.10	-1.56	-0.25
																30	61	44	30	35	31	32	31	24	9	12	25	25	25	18	32	25	23	23	24	23	24
YSB 260005						86	105	109	87	100	92	100	72	82	91	108	95	87	113	105	109	104	95	79	105	82	85	94	97	100	82	93	91	92	80	67	90
6020506975		VST 170079				54	28	30	31	26	31	33	24	29	22	13	0.70	0.9	18	2.8	2.6	-3	1.1	-35	2	37	-0.4	-0.9	0.8	-0.1	16.5	-2	-5	-0.48	-2.01	-2.16	-0.13
																30	60	44	31	28	30	30	22	23	9	12	27	26	27	18	34	25	22	21	24	22	22

Breeding Values and Accuracies: Cows & Heifers

Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass					
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %	
SPJ 140021 79531257		Z 060051 SPJ 070007			111 80	100 64	116 68	114 74	116 61	131 62	117 68	83 52	120 59	98 48	94 2	106 0.00	105 -0.9	87 -4	100 1.2	116 4.2	119 29	82 -5.9	88 -21	57 -72	93 15	99 0.2	66 -15.1	111 -7.8	116 -3.0	100 30.9	117 12	112 8	92 -0.50	80 -2.00	111 0.40	90 -0.13	
PRB 150007 81325128	2	HOT 090001 BA 090113			56 83	136 74	103 63	83 65	97 55	98 63	122 73	117 68	104 64	137 49	127 29	53 3.41	51 4.3	119 23	136 13.2	103 1.2	117 25	141 26.8	109 9	76 -43	99 2	150 2.3	93 -1.5	112 -8.7	81 3.5	108 37.3	126 17	120 13	110 0.70	120 1.92	89 -0.91	114 0.18	
PRB 170044 86983970	13	MHB 100031 BA 090113			85 75	123 62	93 61	87 62	107 50	107 56	112 64	110 56	110 56	108 53	120 23	99 0.43	83 1.3	114 19	123 8.9	93 -1.2	104 -4	118 13.9	109 10	80 -36	103 -6	138 1.8	79 -8.4	126 -17.8	90 1.7	105 34.6	139 25	129 18	100 -0.01	86 -1.45	51 -3.11	98 -0.02	
PRB 170052 86144128		VST 120006 BA 050030			119 76	98 61	95 61	79 62	111 54	103 57	93 64	102 52	103 56	102 48	124 26	114 -0.54	128 -3.0	125 28	98 0.7	95 -0.7	85 -45	92 -0.5	105 4	76 -42	106 -12	63 -1.3	113 8.8	96 1.7	116 -3.0	111 39.6	100 2	106 4	102 0.13	84 -1.61	97 -0.40	99 -0.01	
SPJ 170030 86586195	4	SPJ 110107 SPJ 150013			88 77	105 54	81 55	125 58	92 48	98 53	102 59	76 44	89 50	82 40	83 -8	87 1.19	80 1.6	77 -13	105 3.1	81 -3.9	99 -15	96 1.6	77 -37	85 -28	80 39	107 0.5	65 -15.7	94 2.8	90 1.7	105 34.9	82 -9	87 -8	94 -0.36	91 -1.00	111 0.43	93 -0.09	
PRB 180011 86984010		11-0004KG B 080122			83 69	111 40	87 43	83 46	132 48	108 45	94 46	91 29	103 40	96 24	110 14	88 1.11	92 0.4	120 24	111 5.0	87 -2.5	90 -35	111 9.8	95 -11	93 -17	103 -6	109 0.6	109 6.6	121 -14.2	138 -7.1	109 38.1	110 8	110 7	87 -0.84	88 -1.21	89 -0.90	86 -0.18	
VST 180034 87372066	2	VST 120057 VST 150151			115 77	87 71	89 62	133 61	89 50	102 59	97 69	76 48	92 56	92 47	75 -15	110 -0.30	107 -1.0	66 -23	87 -2.9	89 -2.2	98 -18	84 -4.8	86 -24	85 -28	85 30	78 -0.7	111 7.4	97 1.1	82 3.3	105 34.7	78 -11	90 -5	86 -0.91	98 -0.27	102 -0.14	86 -0.17	
VST 180071 87762563	5	VST 150018 VST 150126			101 78	115 69	100 58	113 57	95 45	118 57	122 67	110 52	119 56	112 52	101 8	95 0.68	101 -0.4	89 -3	115 6.3	100 0.5	116 23	113 11.4	110 11	124 30	115 -28	89 -0.2	97 0.5	96 1.7	92 1.4	106 35.6	93 -2	101 1	122 1.45	111 1.01	92 -0.69	122 0.29	
VST 180121 87763017		SS 110031 VST 130100			110 75	64 64	80 52	131 55	102 45	81 54	63 63	88 48	78 52	82 48	73 -16	146 -2.64	144 -4.6	70 -19	64 -10.6	80 -4.3	69 -82	68 -13.9	88 -21	124 30	100 1	111 0.7	88 -3.9	108 -6.2	97 0.4	100 30.5	97 0	91 -5	93 -0.43	99 -0.18	85 -1.10	93 -0.09	
YSB 190005 89633168	2	VST 120006 PRB 160059			106 66	110 51	105 47	96 48	93 42	107 47	113 52	99 40	106 45	112 38	111 16	107 -0.10	101 -0.5	102 9	110 4.4	105 1.6	109 8	104 6.0	104 2	100 -6	111 -21	97 0.1	107 5.6	97 1.0	87 2.3	100 30.6	107 42	115 40	108 29	96 57	104 37	96 40	108 37
YSB 200007 91396739		BU 160057 VST 170079			88 73	134 56	118 52	89 54	127 45	144 51	140 58	110 50	142 51	128 50	114 18	93 0.84	90 0.6	109 15	134 12.6	118 4.8	132 58	131 21.0	111 13	112 12	108 -15	113 0.8	120 12.0	130 -20.4	114 -2.6	112 39.8	107 6	119 12	125 1.68	105 0.45	94 -0.59	125 0.33	
EHB 210002 91663880	1	SPJ 160005 PRB 130036			104 62	92 37	82 37	116 40	100 36	96 39	89 42	87 28	91 36	88 26	89 -2	106 -0.05	93 0.3	87 -4	92 -1.2	82 -3.8	86 -45	93 0.1	90 -18	86 -27	91 19	94 0.0	87 -4.4	107 -5.6	99 0.0	97 28.5	86 -7	88 -7	92 -0.48	92 -0.87	109 0.32	91 -0.11	

Breeding Values and Accuracies: Cows & Heifers

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass			
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thicken	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %
			Sire ID Dam ID																																
PRB 210019 91640771	1	GE 170035 PRB 170011		84 68	112 60	101 46	92 47	99 41	97 49	106 57	94 36	95 45	92 34	112 17 44	85 1.30 68	90 0.5 61	106 13 47	112 5.2 60	101 0.8 46	106 0 51	107 7.9 52	92 -15 36	84 -31 21	90 20 23	105 0.4 38	78 -8.9 37	104 -3.5 39	96 0.7 30	106 35.2 54	108 7 37	101 1 35	88 -0.80 33	86 -1.48 35	98 -0.35 33	86 -0.17 34
VST 210061 92815372		PRB 130027 VST 180187		99 73	86 66	79 54	114 54	109 42	91 54	78 64	87 44	87 51	85 33	96 3 52	109 -0.21 72	81 1.4 67	89 -3 54	86 -3.2 66	79 -4.5 54	78 -62 58	87 -3.2 40	94 -12 42	87 -25 18	98 4 22	95 0.0 49	87 -4.7 47	118 -12.4 42	103 -0.6 27	104 33.8 58	114 10 45	100 1 41	85 -1.00 31	97 -0.39 35	95 -0.55 31	85 -0.19 33
YSB 210006 92300607	2	SPJ 180008 SPJ 180025		83 68	108 45	94 41	99 41	78 37	80 43	100 48	107 34	84 40	99 30	104 9 38	81 1.61 68	91 0.5 59	100 7 41	108 3.9 45	94 -0.8 41	101 -10 42	108 8.2 32	108 9 33	101 -5 17	113 -25 19	100 0.2 36	91 -2.7 35	87 7.2 37	73 4.9 27	101 31.2 48	105 5 35	103 2 32	103 0.21 29	92 -0.88 31	104 -0.02 29	101 0.02 30
YSB 210007 92300615	11	VST 160048 VST 180071		111 69	83 56	100 45	119 44	81 40	87 47	91 55	103 46	90 47	95 46	90 -2 44	112 -0.43 71	97 -0.1 60	84 -7 44	83 -4.3 56	100 0.5 45	95 -23 48	89 -2.2 44	105 5 46	106 4 17	112 -24 16	94 0.0 51	107 5.7 49	84 9.1 44	81 3.4 25	101 31.1 50	81 -9 48	83 -10 44	117 1.15 44	107 0.65 48	92 -0.72 44	117 0.22 46
YSB 210015 94748555		PRB 130027 VST 180034		102 65	93 56	93 49	117 50	93 44	95 49	95 56	81 42	88 47	93 31	96 3 48	106 -0.06 62	88 0.8 61	86 -5 50	93 -1.1 56	93 -1 49	96 -22 52	89 -2.3 46	92 -16 41	68 -54 19	90 21 21	98 0.1 46	105 4.3 44	108 -6.4 47	82 3.2 28	105 34.3 57	103 4 43	99 0 40	84 -1.05 30	90 -1.03 32	90 -0.80 30	83 -0.21 31
YSB 210020 93085587	2	MHB 070009 PRB 130017		105 67	104 55	92 53	97 54	106 50	105 51	100 57	90 50	100 51	91 50	104 10 53	103 0.15 64	122 -2.4 64	102 9 54	104 2.6 55	92 -1.4 53	95 -23 54	99 3.5 47	92 -16 50	79 -38 23	92 17 23	58 -1.5 54	79 -8.9 53	91 4.9 52	118 -3.3 36	101 31.1 62	95 -1 52	93 -4 49	79 -1.38 48	79 -2.10 51	99 -0.30 48	77 -0.29 50
EHB 220004 93399244	13	SPJ 110106 PRB 120016		88 68	114 47	106 50	99 51	128 46	127 48	115 52	85 36	117 44	96 33	96 3 49	87 1.21 68	92 0.4 62	98 6 51	114 5.9 47	106 1.9 50	115 20 49	99 3.7 36	91 -16 35	65 -59 20	94 12 23	91 -0.1 38	83 -6.8 37	118 -12.4 46	133 -6.2 34	99 30.0 59	113 9 37	108 6 35	91 -0.56 32	74 -2.59 34	120 0.94 32	88 -0.15 33
PRB 220023 93356079	1	W 150811 PRB 150007		63 63	127 52	99 45	88 46	110 40	103 45	114 52	98 44	102 45	108 32	119 22 42	62 2.80 61	68 2.7 58	112 17 46	127 10.2 52	99 0.2 45	112 12 48	131 20.9 36	98 -6 43	84 -31 23	97 6 19	136 1.7 49	108 6.1 47	112 -8.5 40	102 -0.5 26	107 36.4 55	109 7 45	108 6 40	105 0.35 30	92 -0.81 33	83 -1.22 30	104 0.05 32
PRB 220046 94058013	2	MHB 070009 PRB 130017		104 64	106 55	93 53	97 54	103 48	104 50	102 56	90 50	99 50	91 50	104 10 53	100 0.34 62	117 -2.0 62	102 9 54	106 3.1 55	93 -1.1 53	98 -18 54	101 4.8 47	92 -16 50	79 -38 23	92 17 23	58 -1.5 54	79 -8.9 53	87 7.6 48	116 -3.1 36	100 30.2 61	95 -1 52	93 -4 49	79 -1.38 48	79 -2.10 51	99 -0.30 48	77 -0.29 50
VST 220102 94026069	4	VST 160022 VST 160105		82 72	108 67	93 57	101 57	107 45	99 55	100 65	116 52	105 54	124 50	102 8 57	79 1.72 73	108 -1.1 67	97 5 57	108 4.0 67	93 -1.2 57	101 -10 60	111 10.2 50	113 16 51	108 6 16	116 -31 23	95 0.0 55	107 5.3 54	117 -12.0 46	99 0.1 32	101 31.3 58	105 5 53	110 7 50	104 0.26 49	121 1.99 52	108 0.26 49	107 0.09 50
YSB 220003 94719648		SPJ 160005 IY 160012		93 49	100 35	87 36	103 38	91 33	85 35	92 38	95 28	85 33	93 26	96 3 34	95 0.68 50	89 0.6 45	96 3 38	100 1.4 35	87 -2.7 36	91 -32 36	98 2.9 26	99 -5 27	103 -2 15	101 -1 16	96 0.1 31	89 -3.7 30	93 3.4 32	94 1.0 22	93 24.8 46	101 2 29	101 1 27	99 -0.06 24	93 -0.73 27	114 0.58 25	98 -0.03 26
YSB 220004 94719663		YSB 180004 VST 170079		94 61	112 46	93 40	94 40	110 40	107 42	105 47	103 34	107 40	117 32	114 18 39	105 0.00 60	85 1.0 54	105 11 40	112 5.1 46	93 -1.2 40	100 -13 42	107 8.1 32	107 7 34	92 -18 15	109 -17 17	116 0.9 38	102 3.2 37	116 -11.4 43	99 0.2 24	106 35.4 52	105 5 36	113 9 33	109 0.59 30	103 0.25 33	79 -1.50 30	109 0.12 32

Breeding Values and Accuracies: Cows & Heifers

Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass				
ID	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %	
Animal no			Sire ID Dam ID																																	
YSB 220006	8		YSB 180004 PRB 170001	109	104	91	98	89	95	101	100	95	109	112	116	96	101	104	91	95	97	102	84	104	126	90	98	81	104	111	109	103	95	78	103	
94719689				64	49	42	43	42	44	50	39	42	36	16	-0.70	0.0	8	2.7	-1.7	-24	2.5	-1	-30	-7	1.3	-2.8	0.2	3.5	33.4	8	6	0.23	-0.51	-1.53	0.04	
														41	69	55	43	49	42	45	38	39	22	23	41	40	45	28	53	40	38	35	37	35	36	
YSB 220007	1		YSB 180004 PRB 160044	126	96	96	88	103	104	96	112	108	121	114	130	118	112	96	96	89	92	113	96	114	108	115	102	101	104	113	117	106	98	97	106	
94719697				68	47	39	40	40	44	48	34	41	29	18	-1.61	-2.1	18	-0.1	-0.5	-38	-0.3	16	-12	-27	0.6	9.8	-2.0	-0.2	33.8	10	11	0.39	-0.30	-0.39	0.07	
														38	70	58	40	47	39	42	34	33	17	17	37	35	43	24	52	35	32	28	30	28	29	
YSB 220008			VST 180096 PRB 170052	125	90	93	89	117	108	89	111	110	109	115	120	127	111	90	93	84	87	109	86	112	84	119	103	120	114	103	106	123	91	96	121	
94719705				63	52	44	43	38	44	52	42	43	41	19	-0.95	-3.0	16	-1.9	-1.0	-48	-3.0	11	-27	-23	-0.5	11.7	-3.1	-3.7	41.9	4	4	1.56	-0.93	-0.48	0.27	
														42	68	55	43	52	44	46	40	42	16	17	48	46	36	25	52	45	41	39	43	39	41	
YSB 220020			VST 180096 PRB 160013	86	110	96	89	114	102	100	110	105	112	115	81	109	111	110	96	99	110	106	89	107	103	122	107	118	104	107	105	120	103	105	119	
94719721				64	54	45	44	38	45	53	44	45	41	19	1.61	-1.2	17	4.5	-0.4	-15	9.8	6	-22	-14	0.4	13.2	-5.1	-3.5	33.7	6	4	1.31	0.24	0.07	0.25	
														44	69	56	44	54	45	48	41	42	19	20	48	46	37	26	50	45	41	39	43	39	41	
YSB 230011	10		YSB 200002 PRB 160022	87	113	105	82	89	89	106	104	91	115	125	90	95	120	113	105	104	112	107	77	102	95	100	96	78	109	94	107	112	105	87	113	
95857223				61	42	41	41	37	41	45	44	42	33	27	0.97	0.1	25	5.6	1.7	-4	10.8	6	-41	-3	0.0	1.8	1.8	4.1	37.5	-2	5	0.83	0.43	-0.97	0.16	
														40	67	53	41	42	41	41	38	43	22	18	40	39	37	28	47	38	36	32	34	32	33	
YSB 230015	8		YSB 180004 PRB 170001	109	104	91	98	91	97	101	100	97	109	112	116	96	101	104	91	95	97	102	84	104	126	90	102	82	103	111	109	103	95	78	103	
95857207				64	49	42	43	39	44	50	39	42	36	16	-0.70	0.0	8	2.7	-1.7	-24	2.5	-1	-30	-7	1.3	-2.8	-2.0	3.3	33.2	8	6	0.23	-0.51	-1.53	0.04	
														41	70	55	43	49	42	45	38	39	22	23	41	40	39	28	49	40	38	35	37	35	36	
YSB 230017	9		YSB 180004 PRB 170044	95	115	94	93	99	104	109	110	106	115	113	107	86	106	115	94	102	110	110	80	107	137	91	114	83	106	122	119	105	96	64	105	
95857215				65	48	40	41	35	43	49	38	42	34	17	-0.13	1.0	13	6.3	-1.0	-8	9.7	12	-36	-14	1.8	-2.6	-10.1	3.1	35.7	15	13	0.37	-0.43	-2.38	0.07	
														40	71	55	41	48	40	43	36	37	18	17	40	39	35	23	47	38	36	33	35	33	34	
YSB 230018	1		YSB 200002 BH 160337	94	105	93	97	104	100	99	103	100	114	111	99	90	101	105	93	98	105	101	93	102	119	97	106	94	111	102	106	109	114	90	111	
95857256				61	37	35	36	33	37	41	36	37	25	16	0.41	0.6	8	3.1	-1.1	-18	6.5	-1	-16	-3	1.0	0.3	-5.1	1.0	39.7	3	4	0.63	1.30	-0.84	0.14	
														33	67	51	36	37	35	36	32	35	15	15	31	30	33	22	44	30	27	24	26	24	25	
YSB 230019	13		YSB 200002 PRB 170052	97	109	99	84	102	98	102	102	98	107	122	99	102	118	109	99	97	104	103	74	103	95	103	99	96	112	100	104	103	98	89	103	
95857264				63	41	40	41	35	40	45	42	41	32	25	0.45	-0.6	22	4.1	0.2	-19	6.4	1	-45	-6	0.0	3.6	-0.2	0.6	40.2	2	3	0.24	-0.25	-0.90	0.04	
														39	68	54	41	41	40	41	37	41	19	17	39	38	35	25	46	37	35	31	34	31	32	
YSB 230023			YSB 200002 VST 170079	80	116	96	89	107	100	105	98	99	113	122	92	80	111	116	96	103	113	102	88	104	111	98	111	98	108	103	109	106	106	81	107	
96178959				62	39	40	40	35	40	43	40	40	32	24	0.90	1.6	16	6.4	-0.3	-6	11.0	0	-24	-7	0.7	0.9	-7.7	0.3	37.3	4	6	0.39	0.51	-1.37	0.09	
														39	67	53	40	39	40	40	34	39	15	17	38	37	35	24	45	36	33	30	33	30	32	
YSB 230024	3		YSB 200002 YSB 210006	78	113	99	93	86	85	105	104	88	106	112	82	83	105	113	99	105	112	105	87	107	113	92	95	75	107	103	103	104	102	92	104	
96178967				59	36	33	33	29	35	39	36	35	26	17	1.49	1.3	12	5.6	0.2	-1	10.6	4	-26	-13	0.8	-2.1	2.5	4.5	36.1	4	2	0.28	0.12	-0.71	0.06	
														32	66	48	33	36	33	34	30	36	15	15	33	32	29	20	38	31	29	25	27	25	26	
YSB 240001	18		YSB 200002 YSB 200004	84	116	101	90	95	96	109	101	97	110	119	95	82	110	116	101	107	112	103	75	102	117	92	104	81	109	108	110	105	104	72	105	
96683537				59	37	36	37	32	37	41	40	38	30	22	0.70	1.4	15	6.6	0.7	3	10.6	1	-43	-4	1.0	-2.3	-3.5	3.5	37.5	6	7	0.33	0.32	-1.88	0.07	
														36	64	50	37	37	36	37	34	39	17	16	37	36	33	22	40	35	33	29	32	30	30	

Breeding Values and Accuracies: Cows & Heifers

Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass				
ID	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %	
Animal no			Sire ID Dam ID																																	
YSB 240003	1	VST 170133	96683545	96	98	89	103	97	90	92	103	92	101	94	89	101	96	98	89	92	104	115	111	117	97	105	109	92	96	105	105	99	95	98	98	
		EHB 210002		53	44	36	37	33	38	43	38	38	36	2	1.04	-0.5	3	0.7	-2.0	-30	6.2	19	11	-33	0.1	4.6	-6.6	1.3	27.2	5	4	-0.04	-0.56	-0.36	-0.02	
															36	56	47	37	44	36	39	32	37	13	33	42	40	32	22	46	39	35	34	38	35	36
YSB 240006		SPJ 140021	98081862	98	98	122	95	97	101	106	65	87	83	94	98	97	102	98	122	115	81	71	82	74	87	76	93	99	81	99	89	85	70	82	82	
				56	32	34	37	30	34	37	26	32	24	1	0.46	-0.1	8	0.5	5.6	20	-6.5	-46	-34	53	-0.3	-10.1	3.5	0.2	15.1	1	-6	-0.94	-2.97	-1.29	-0.23	
															30	62	48	37	32	34	34	26	26	16	16	28	27	31	23	36	27	25	23	25	23	24
YSB 240010		PRB 190009	98081896	113	89	96	117	101	106	96	104	106	95	88	114	127	86	89	96	96	91	104	104	109	110	101	104	98	104	104	101	101	108	95	94	106
		VST 180121		64	48	38	40	34	42	48	38	41	29	-3	-0.57	-3.0	-6	-2.2	-0.5	-23	-0.9	3	-1	-18	0.7	2.4	-3.6	0.3	33.5	4	2	0.52	-0.60	-0.59	0.08	
															36	70	54	40	48	38	42	37	38	11	17	38	36	32	22	47	35	32	28	30	28	29
YSB 240011		PRB 190009	98081904	101	103	102	105	97	105	107	100	103	101	100	95	102	94	103	102	107	101	106	76	104	103	109	104	91	106	107	105	103	90	96	101	
		YSB 210015		61	45	37	38	33	40	46	36	39	23	6	0.65	-0.6	2	2.3	1.1	3	4.5	5	-42	-8	0.4	6.4	-3.7	1.7	35.4	6	4	0.21	-1.02	-0.44	0.02	
															34	67	51	38	45	37	40	34	36	13	16	36	34	33	21	46	33	30	22	24	22	23
YSB 240016		FN 090459	98081953	101	90	108	108	96	95	96			79	83	105	91	92	90	108	103	84	87	112	87	93	98	104	94	74	87	84	92	74	83	88	
				57	27	27	28	27	31	32			14	-8	0.01	0.5	0	-2.1	2.5	-6	-5.1	-22	11	27	-0.1	0.8	-3.3	1.1	9.5	-6	-9	-0.52	-2.64	-1.23	-0.15	
															25	63	45	28	27	27	27	16	17	6	7	20	20	27	16	37	19	17	14	15	14	14
YSB 240019		BH 160337	98100100	96	97	106	94	96	92	97			92	97	98	95	104	97	106	101	89	78	110	79	93	93	93	97	85	91	88	96	88	77	94	
				54	25	24	25	24	28	30			12	4	0.47	0.1	10	0.4	2.0	-10	-1.8	-36	9	42	-0.1	-1.5	3.4	0.6	18.9	-3	-7	-0.25	-1.22	-1.63	-0.07	
															21	61	42	25	25	24	25	18	14	7	9	15	15	24	16	32	15	13	12	13	12	12
YSB 240020		VST 210061	98100092	95	89	103	96	93	80	85	67	70	77	94	103	87	103	89	103	94	81	74	97	77	85	86	97	92	82	97	83	82	79	74	79	
				53	33	27	27	21	30	35	22	28	16	2	0.16	0.8	9	-2.4	1.2	-27	-6.3	-41	-11	47	-0.4	-4.9	1.1	1.4	16.5	0	-10	-1.19	-2.16	-1.76	-0.27	
															26	61	42	27	33	27	29	20	21	9	11	24	23	21	14	29	23	20	16	17	16	16
YSB 240023		PRB 190009	98100134	104	109	99	96	96	105	109	104	105	102	111	99	108	102	109	99	104	103	106	86	108	112	96	101	93	103	114	110	109	87	91	106	
		PRB 170001		64	49	44	44	39	44	50	42	43	34	16	0.42	-1.1	9	4.1	0.4	-4	5.9	6	-27	-15	0.7	-0.1	-1.3	1.2	33.0	10	7	0.60	-1.31	-0.75	0.09	
															40	70	55	44	49	44	46	40	42	20	24	42	40	39	27	51	39	37	32	35	33	34
YSB 240024	1	PRB 190009	98100142	80	118	105	92	105	106	113	108	108	108	111	77	92	107	118	105	113	119	109	84	108	122	111	106	101	107	110	110	114	91	93	112	
		PRB 220023		61	44	36	37	32	39	45	38	39	24	16	1.84	0.3	13	7.1	1.6	15	14.7	10	-31	-16	1.2	7.3	-4.7	-0.2	36.4	8	7	0.91	-0.91	-0.65	0.15	
															32	68	50	37	44	36	39	30	36	14	16	37	35	31	20	45	34	30	22	25	22	24
YSB 250003	1	PRB 190009	98866122	107	97	106	107	91	101	104	111	104	102	97	100	107	93	97	106	106	100	113	95	115	102	110	92	90	104	96	97	120	99	97	118	
		YSB 210007		58	45	36	36	32	39	45	38	39	28	4	0.33	-1.1	0	0.2	1.8	0	3.8	15	-14	-30	0.3	7.1	4.1	1.8	33.8	-1	-1	1.32	-0.18	-0.40	0.24	
															33	65	49	36	45	36	39	33	37	12	15	37	36	32	20	44	35	31	27	30	27	28
YSB 250005		SPJ 170030	98866114	98	92	103	101	85	83	92	62	70	75	88	101	92	97	92	103	99	80	66	96	67	91	75	85	86	83	81	77	86	75	82	83	
				55	27	28	29	24	30	32	22	28	20	-3	0.30	0.4	4	-1.3	1.2	-16	-7.2	-54	-12	66	-0.2	-10.5	8.8	2.5	17.0	-9	-14	-0.87	-2.46	-1.28	-0.21	
															26	62	44	29	27	28	28	20	22	12	14	24	23	23	17	31	23	21	20	21	20	20
YSB 250011		PRB 190009	98917719	108	98	96	105	101	104	100	103	104	98	97	102	108	94	98	96	98	99	105	85	105	101	100	104	99	102	98	100	107	91	106	106	
		EHB 210002		61	40	34	35	30	37	42	34	36	22	4	0.24	-1.1	2	0.8	-0.5	-17	3.3	4	-29	-9	0.3	2.1	-3.3	0.1	32.5	1	0	0.50	-0.94	0.12	0.07	
															30	68	50	35	40	34	36	28	33	11	14	32	30	29	18	44	29	26	20	23	20	22

Breeding Values and Accuracies: Cows & Heifers

														Value <80		Value >120		Breeding values with an accuracy < 5% are not printed																	
Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass			
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %
			Sire ID Dam ID																																
YSB 250012 6020116411		PRB 220046		93 51	104 27	111 27	90 27	90 24	92 29	104 31	69 26	81 28	80 24	99 5	91 0.94	101 -0.5	109 15	104 2.6	111 3.1	107 3	94 0.6	73 -44	93 -17	73 54	66 -1.2	82 -7.0	81 11.2	99 0.1	80 14.7	88 -5	80 -12	79 -1.38	70 -3.01	76 -1.64	75 -0.31
YSB 250013 99733263		EHB 220004		96 51	98 24	116 25	91 26	103 23	99 28	101 29			82 16	94 2	99 0.42	96 0.0	107 13	98 0.5	116 4.2	107 3	83 -5.5	73 -44	86 -28	74 51	83 -0.5	84 -6.0	97 1.2	107 -1.4	80 14.6	97 0	87 -7	85 -0.97	67 -3.26	87 -1.02	81 -0.24
YSB 250014 99733271		VST 220102		91 52	100 33	110 29	92 29	92 23	89 31	99 35	82 26	83 30	96 26	97 4	88 1.14	100 -0.4	107 13	100 1.3	110 2.9	105 -2	94 0.5	84 -28	107 5	86 28	85 -0.4	96 0.1	96 1.4	90 1.7	81 15.3	92 -3	88 -7	91 -0.56	91 -0.97	81 -1.36	90 -0.12
YSB 250016 99733289		PRB 210019		98 52	93 30	113 23	88 24	88 21	83 28	94 32			80 16	103 9	103 0.16	97 -0.1	111 17	93 -0.9	113 3.5	100 -12	83 -5.2	73 -43	95 -13	72 55	90 -0.2	82 -7.0	90 5.6	89 2.0	83 17.2	94 -1	84 -9	83 -1.09	73 -2.70	76 -1.67	80 -0.26
YSB 250017 99733297		YSB 220007		115 50	90 23	111 20	86 20	90 20	89 25	93 27			95 14	103 9	119 -0.90	108 -1.2	114 19	90 -2.1	111 3.0	95 -23	80 -6.9	84 -28	101 -4	86 29	91 -0.1	101 2.3	89 6.4	91 1.6	82 16.5	97 0	92 -4	92 -0.50	79 -2.12	75 -1.69	90 -0.13
YSB 250021 99733339		YSB 210020		108 51	94 27	109 27	90 27	92 25	91 29	96 31	69 26	80 28	80 24	99 5	106 -0.02	110 -1.3	109 15	94 -0.8	109 2.6	99 -16	84 -5.1	73 -44	93 -17	73 54	66 -1.2	82 -7.0	83 9.8	100 0.0	81 15.2	88 -5	80 -12	79 -1.38	70 -3.01	76 -1.64	75 -0.31
YSB 250022 99733347		PRB 170052		106 55	95 30	111 31	81 31	94 27	89 32	95 35	75 26	81 30	85 24	108 14	105 0.05	110 -1.4	120 25	95 -0.2	111 3.1	97 -20	84 -4.6	79 -34	91 -19	81 38	69 -1.1	100 1.8	86 8.2	99 0.2	86 19.4	90 -4	86 -8	90 -0.63	72 -2.77	75 -1.69	86 -0.17
YSB 250023 6020115587		VST 180071		94 55	105 35	114 29	95 28	86 23	94 32	109 37	79 26	87 30	90 26	97 4	94 0.72	96 0.0	102 9	105 2.8	114 3.8	113 15	96 1.7	82 -30	115 17	86 29	82 -0.5	91 -2.3	86 8.2	87 2.4	84 17.4	86 -6	84 -9	100 0.03	86 -1.46	73 -1.83	98 -0.02
YSB 260001 6020115595		YSB 220008		113 32	88 26	110 22	86 21	97 19	91 22	91 26	79 22	84 22	89 20	104 10	112 -0.42	112 -1.5	113 19	88 -2.5	110 2.8	94 -25	79 -7.4	82 -30	96 -12	84 32	79 -0.7	102 3.2	89 5.8	101 -0.2	88 20.6	92 -3	86 -8	101 0.08	76 -2.43	75 -1.73	97 -0.03

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Genomic test	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Weaner Calf Value Acc	Growth Value Acc	Prod Value Acc	Carcass Value Acc
1	YSB 210025	YSB 210025	B 070069	MHB 060005	0.0	HH	0	0	0		111 85	98 84	85 84	104 84	117 83	111 76	95 84	73 85	99 79	91 82
1	YSB 210022	YSB 210022	W 150811	PRB 150007	1.4						63 58	127 52	98 45	88 46	110 40	103 44	114 51	108 62	105 49	109 32
2	YSB 220005	YSB 220005	YSB 180004	SPJ 170030	1.0						81 63	118 46	90 38	115 39	91 34	103 41	115 47	93 34	100 39	102 30
3	YSB 230013	YSB 230013	YSB 180004	PRB 160059	4.7						85 64	121 48	104 36	98 37	97 32	109 41	120 47	108 30	110 38	121 26
4	YSB 240005	YSB 240005	PRB 190009	YSB 210020	0.0						97 61	108 45	101 39	96 39	103 35	106 41	107 46	104 40	106 41	100 30
1	YSB 230004	YSB 230004		PRB 180011	0.0						81 53	106 20	108 22	83 23	105 24	92 26	98 26			83 12
2	YSB 240008	YSB 240008	PRB 190009	PRB 150007	0.0						81 66	113 51	105 43	89 43	99 37	96 45	107 51	118 46	103 45	123 30
1	YSB 230026	YSB 230026		PRB 210019	0.0						84 50	104 30	114 23	88 24	88 21	86 28	103 32			80 16

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID		% Inbreeding	Horned / Polled	Myostatin nt821 F94L Q204X	Genomic test	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Weaner Calf Value Acc	Growth Value Acc	Prod Value Acc	Carcass Value Acc										
									★★★★★★																			
1	SPJ 140021	SPJ 140021	Z 060051	SPJ 070007	0.0				111	80	100	64	116	68	114	74	116	61	131	62	117	68	83	52	120	59	98	48
2	YSB 200007	YSB 200007	BU 160057	VST 170079	0.0				88	73	134	56	118	52	89	54	127	45	144	51	140	58	110	50	142	51	128	50
									★★★★★☆																			
1	EHB 220004	EHB 220004	SPJ 110106	PRB 120016	12.5				88	68	114	47	106	50	99	51	128	46	127	48	115	52	85	36	117	44	96	33
									★★★★★																			
1	VST 180071	GINGER	VST 150018	VST 150126	4.7				101	78	115	69	100	58	113	57	95	45	118	57	122	67	110	52	119	56	112	52
									★★★★☆																			
1	PRB 170044	PRB170044	MHB 100031	BA 090113	12.5				85	75	123	62	93	61	87	62	107	50	107	56	112	64	110	56	110	56	108	53
2	PRB 170052	PRB170052	VST 120006	BA 050030	0.0				119	76	98	61	95	61	79	62	111	54	103	57	93	64	102	52	103	56	102	48
3	PRB 180011	PRB180011	11-0004KG	B 080122	0.0				83	69	111	40	87	43	83	46	132	48	108	45	94	46	91	29	103	40	96	24
4	PRB 220023	PRB220023	W 150811	PRB 150007	1.4				63	63	127	52	99	45	88	46	110	40	103	45	114	52	98	44	102	45	108	32
5	PRB 220046	PRB220046	MHB 070009	PRB 130017	1.6				104	64	106	55	93	53	97	54	103	48	104	50	102	56	90	50	99	50	91	50
6	VST 180034	JULIET	VST 120057	VST 150151	1.6				115	77	87	71	89	62	133	61	89	50	102	59	97	69	76	48	92	56	92	47
7	YSB 190005	YSB 190005	VST 120006	PRB 160059	2.3				106	66	110	51	105	47	96	48	93	42	107	47	113	52	99	40	106	45	112	38
8	YSB 210020	YSB 210020	MHB 070009	PRB 130017	1.6				105	67	104	55	92	53	97	54	106	50	105	51	100	57	90	50	100	51	91	50
9	YSB 220004	NALEDI	YSB 180004	VST 170079	0.0				94	61	112	46	93	40	94	40	110	40	107	42	105	47	103	34	107	40	117	32
10	YSB 220007	YSB 220007	YSB 180004	PRB 160044	0.7				126	68	96	47	96	39	88	40	103	40	104	44	96	48	112	34	108	41	121	29
11	YSB 220008	YSB 220008	VST 180096	PRB 170052	0.4				125	63	90	52	93	44	89	43	117	38	108	44	89	52	111	42	110	43	109	41
12	YSB 220020	YSB 220020	VST 180096	PRB 160013	0.0				86	64	110	54	96	45	89	44	114	38	102	45	100	53	110	44	105	45	112	41
13	YSB 230017	YSB 230017	YSB 180004	PRB 170044	9.1				95	65	115	48	94	40	93	41	99	35	104	43	109	49	110	38	106	42	115	34
14	YSB 230018	YSB 230018	YSB 200002	BH 160337	0.7				94	61	105	37	93	35	97	36	104	33	100	37	99	41	103	36	100	37	114	25
15	YSB 230023	YSB 230023	YSB 200002	VST 170079	0.0				80	62	116	39	96	40	89	40	107	35	100	40	105	43	98	40	99	40	113	32
16	YSB 240006	YSB 240006		SPJ 140021	0.0				98	56	98	32	122	34	95	37	97	30	101	34	106	37	65	26	87	32	83	24
17	YSB 240010	YSB 240010	PRB 190009	VST 180121	0.0				113	64	89	48	96	38	117	40	101	34	106	42	96	48	104	38	106	41	95	29
18	YSB 240011	YSB 240011	PRB 190009	YSB 210015	0.4				101	61	103	45	102	37	105	38	97	33	105	40	107	46	100	36	103	39	101	23

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin	Genomic test	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Weaner Calf Value	Growth Value	Prod Value	Carcass Value										
Sorted on ID						nt821 F94L Q204X		Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc										
								★★★★☆																			
19	YSB 240023	YSB 240023	PRB 190009	PRB 170001	0.0			104	64	109	49	99	44	96	44	96	39	105	44	109	50	104	42	105	43	102	34
20	YSB 240024	YSB 240024	PRB 190009	PRB 220023	0.8			80	61	118	44	105	36	92	37	105	32	106	39	113	45	108	38	108	39	108	24
								★★★★																			
1	EHB 210002	EHB 210002	SPJ 160005	PRB 130036	1.0			104	62	92	37	82	37	116	40	100	36	96	39	89	42	87	28	91	36	88	26
2	PRB 150007	PRB150007	HOT 090001	BA 090113	2.4			56	83	136	74	103	63	83	65	97	55	98	63	122	73	117	68	104	64	137	49
3	PRB 210019	PRB210019	GE 170035	PRB 170011	1.1			84	68	112	60	101	46	92	47	99	41	97	49	106	57	94	36	95	45	92	34
4	SPJ 170030	SPJ 170030	SPJ 110107	SPJ 150013	3.7			88	77	105	54	81	55	125	58	92	48	98	53	102	59	76	44	89	50	82	40
5	VST 210061	SCARLET	PRB 130027	VST 180187	0.3			99	73	86	66	79	54	114	54	109	42	91	54	78	64	87	44	87	51	85	33
6	VST 220102	ODETTE	VST 160022	VST 160105	3.9			82	72	108	67	93	57	101	57	107	45	99	55	100	65	116	52	105	54	124	50
7	YSB 210015	YSB210015	PRB 130027	VST 180034	0.5			102	65	93	56	93	49	117	50	93	44	95	49	95	56	81	42	88	47	93	31
8	YSB 220006	YSB 220006	YSB 180004	PRB 170001	7.9			109	64	104	49	91	42	98	43	89	42	95	44	101	50	100	39	95	42	109	36
9	YSB 230015	YSB 230015	YSB 180004	PRB 170001	7.9			109	64	104	49	91	42	98	43	91	39	97	44	101	50	100	39	97	42	109	36
10	YSB 230019	YSB 230019	YSB 200002	PRB 170052	13.1			97	63	109	41	99	40	84	41	102	35	98	40	102	45	102	42	98	41	107	32
11	YSB 240001	YSB 240001	YSB 200002	YSB 200004	17.6			84	59	116	37	101	36	90	37	95	32	96	37	109	41	101	40	97	38	110	30
12	YSB 240003	YSB 240003	VST 170133	EHB 210002	1.3			96	53	98	44	89	36	103	37	97	33	90	38	92	43	103	38	92	38	101	36
13	YSB 240016	YSB 240016		FN 090459	0.0			101	57	90	27	108	27	108	28	96	27	95	31	96	32					79	14
14	YSB 240019	YSB 240019		BH 160337	0.0			96	54	97	25	106	24	94	25	96	24	92	28	97	30					92	12
								★★★★☆																			
1	VST 180121	HOPE	SS 110031	VST 130100	0.3			110	75	64	64	80	52	131	55	102	45	81	54	63	63	88	48	78	52	82	48
2	YSB 210006	YSB 210006	SPJ 180008	SPJ 180025	1.8			83	68	108	45	94	41	99	41	78	37	80	43	100	48	107	34	84	40	99	30
3	YSB 210007	YSB 210007	VST 160048	VST 180071	10.9			111	69	83	56	100	45	119	44	81	40	87	47	91	55	103	46	90	47	95	46
4	YSB 220003	YSB 220003	SPJ 160005	IY 160012	0.3			93	49	100	35	87	36	103	38	91	33	85	35	92	38	95	28	85	33	93	26
5	YSB 230011	YSB 230011	YSB 200002	PRB 160022	9.6			87	61	113	42	105	41	82	41	89	37	89	41	106	45	104	44	91	42	115	33
6	YSB 230024	YSB 230024	YSB 200002	YSB 210006	3.1			78	59	113	36	99	33	93	33	86	29	85	35	105	39	104	36	88	35	106	26
7	YSB 240020	YSB 240020		VST 210061	0.0			95	53	89	33	103	27	96	27	93	21	80	30	85	35	67	22	70	28	77	16

Selection List on Cow Value

Bull calves younger than 2 years

ID	Name	Sire ID	Dam ID	Visual Score	Horned / Polled	Myostatin	Genomic test	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Weaner Calf Value	Growth Value	Prod Value	Carcass Value										
Sorted on ID				% Inbreeding		nt821 F94L Q204X		Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc										
								★★★★																			
1	YSB 250007	YSB 250007	PRB 170044	0.0				88	55	107	31	110	30	85	31	92	25	91	32	104	35	79	28	83	31	88	26
2	YSB 250010	YSB 250010	YSB 220004	0.0				94	49	100	23	110	20	89	20	94	20	90	25	99	27					93	16
3	YSB 260005	YSB 260005	VST 170079	0.0				86	54	105	28	109	30	87	31	100	26	92	31	100	33	72	24	82	29	91	22
								★★★★☆																			
1	YSB 250020	YSB 250020	YSB 220006	0.0				103	32	95	25	108	21	90	22	83	21	84	22	96	25	74	20	76	21	89	18
2	YSB 260003	YSB 260003	YSB 210015	0.0				98	50	91	28	110	24	97	25	85	22	82	28	93	31	64	21	71	26	81	16
3	YSB 260004	YSB 260004	VST 180034	0.0				109	54	86	35	107	31	110	30	83	25	89	33	95	37	62	24	76	30	80	24
								★★★																			
1	YSB 250008	YSB 250008	YSB 210006	0.0				91	51	97	23	110	20	91	21	78	19	76	25	95	27					84	15
2	YSB 250018	YSB 250018	PRB 150007	0.0				66	56	110	37	114	32	83	33	87	28	77	35	101	39	82	34	73	35	103	24
3	YSB 260002	YSB 260002	VST 210061	0.0				102	52	83	33	102	27	96	27	93	21	79	30	81	35	67	22	69	28	77	16

Selection List on Cow Value
Heifers younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	Visual Score % Inbreeding	Horned / Polled	Myostatin nt821 F94L Q204X	Genomic test	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Weaner Calf Value Acc	Growth Value Acc	Prod Value Acc	Carcass Value Acc										
								★★★★☆																			
1	YSB 250003	YSB 250003	PRB 190009	YSB 210007	0.6			107	58	97	45	106	36	107	36	91	32	101	39	104	45	111	38	104	39	102	28
2	YSB 250011	YSB 250011	PRB 190009	EHB 210002	0.1			108	61	98	40	96	34	105	35	101	30	104	37	100	42	103	34	104	36	98	22
								★★★★																			
1	YSB 250012	YSB 250012		PRB 220046	0.0			93	51	104	27	111	27	90	27	90	24	92	29	104	31	69	26	81	28	80	24
2	YSB 250013	YSB 250013		EHB 220004	0.0			96	51	98	24	116	25	91	26	103	23	99	28	101	29					82	16
3	YSB 250021	YSB 250021		YSB 210020	0.0			108	51	94	27	109	27	90	27	92	25	91	29	96	31	69	26	80	28	80	24
4	YSB 250023	YSB 250023		VST 180071	0.0			94	55	105	35	114	29	95	28	86	23	94	32	109	37	79	26	87	30	90	26
5	YSB 260001	YSB 260001		YSB 220008	0.0			113	32	88	26	110	22	86	21	97	19	91	22	91	26	79	22	84	22	89	20
								★★★★☆																			
1	YSB 250005	YSB 250005		SPJ 170030	0.0			98	55	92	27	103	28	101	29	85	24	83	30	92	32	62	22	70	28	75	20
2	YSB 250014	YSB 250014		VST 220102	0.0			91	52	100	33	110	29	92	29	92	23	89	31	99	35	82	26	83	30	96	26
3	YSB 250016	YSB 250016		PRB 210019	0.0			98	52	93	30	113	23	88	24	88	21	83	28	94	32					80	16
4	YSB 250017	YSB 250017		YSB 220007	0.0			115	50	90	23	111	20	86	20	90	20	89	25	93	27					95	14
5	YSB 250022	YSB 250022		PRB 170052	0.0			106	55	95	30	111	31	81	31	94	27	89	32	95	35	75	26	81	30	85	24

