

BORAN

GENOMIC BREEDING VALUE REPORT

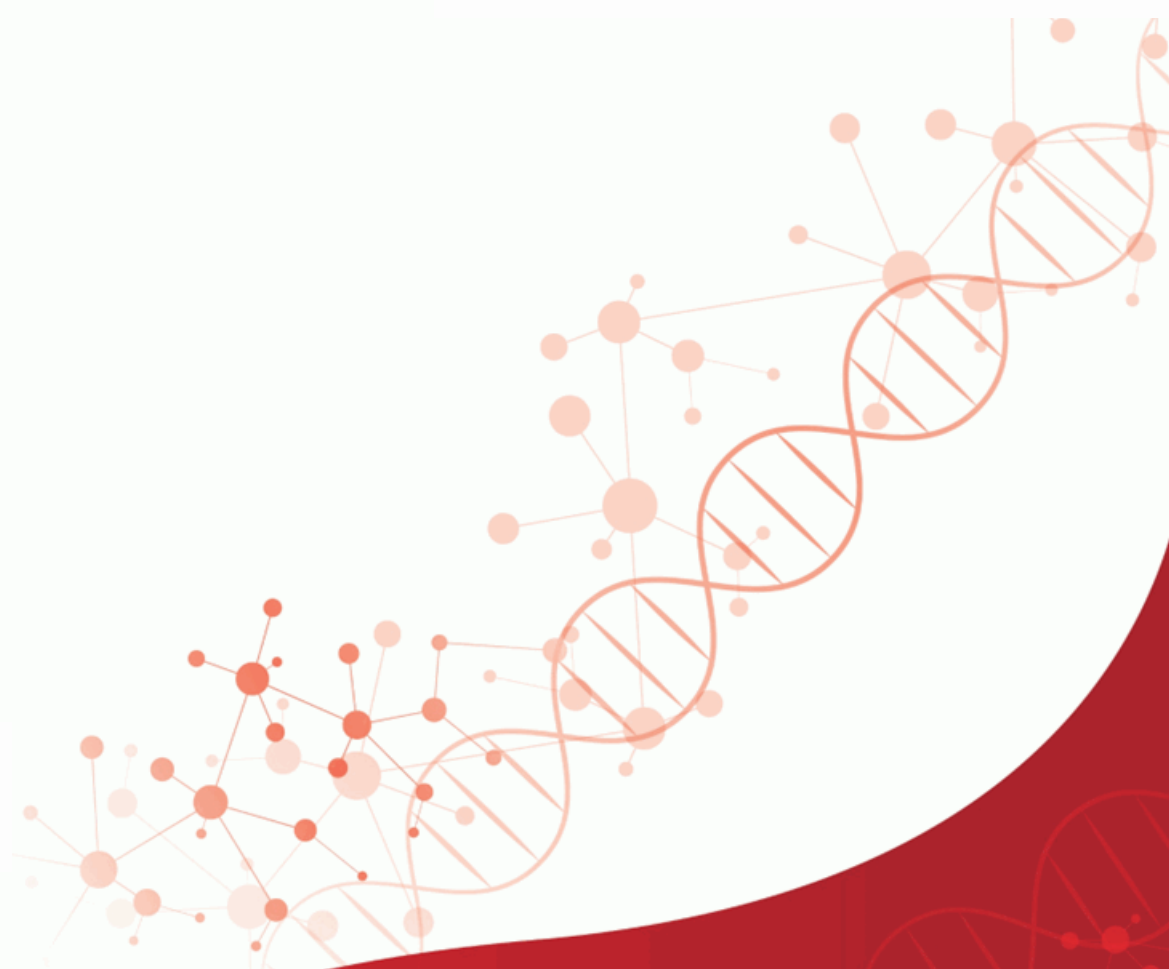
September 2026



JOLASTIC BORANS

Herd Number: 719302

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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

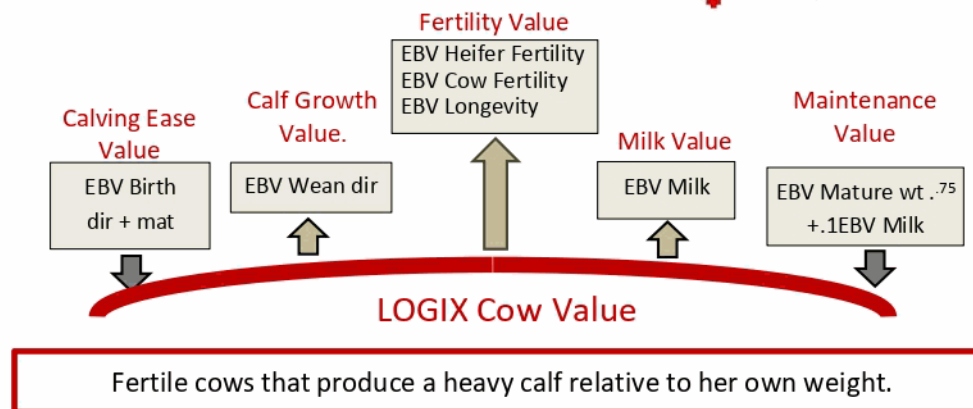
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100 tend to be in the more favourable direction.

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

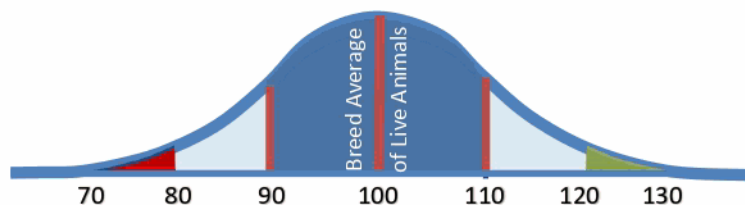
Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

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

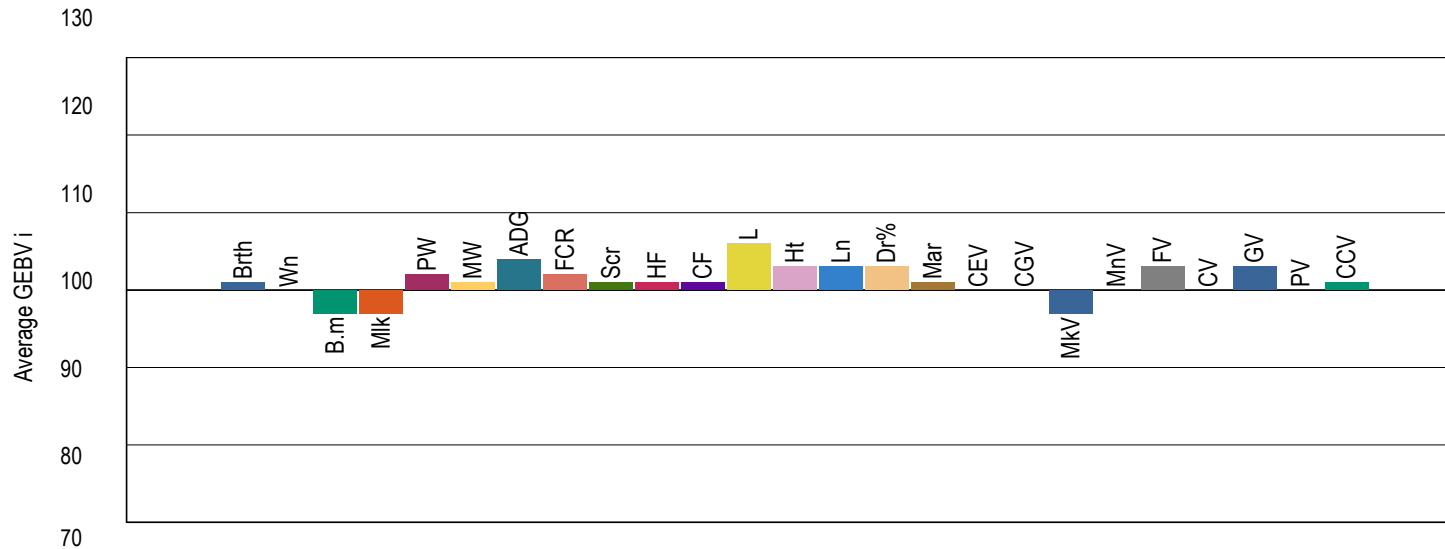


Examples

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
Milk:	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	0.29	101	0.35
	Wean Weight	1.3	100	1.3
	Birth Mat.	-0.14	97	-0.21
	Milk (Wn.Mat.)	-0.1	97	0.5
Postwean Growth	Postwean Wt	5.0	102	4.0
	Mature Weight	7	101	7
	ADG	2	104	-3
	FCR	-3	102	0
Fertility	Scrotal Circumf.	2.3	101	2.0
	Heifer Fertility	-1.8	101	-1.0
	Cow Fertility	-0.3	101	-0.1
	Longevity	35.5	106	30.6
Frame	Height	4	103	2
	Length	3	103	1
Carcass	Dressing%	0.05	103	0.00
	Marbling	-0.17	101	-0.23

Selection Value	Ave. Herd
Calving Ease	100
Calf Growth	100
Milk	97
Maintenance	100
Fertility	103
Cow Value	100
Growth Value	103
Production Value	100
Carcass Value	101

- 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?:

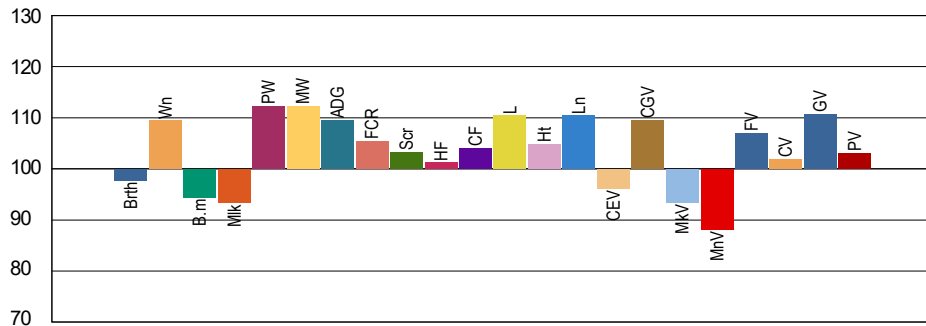
Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve earlier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

Genetic Windows

Bulls on the farm

Bulls born in 2023 and earlier

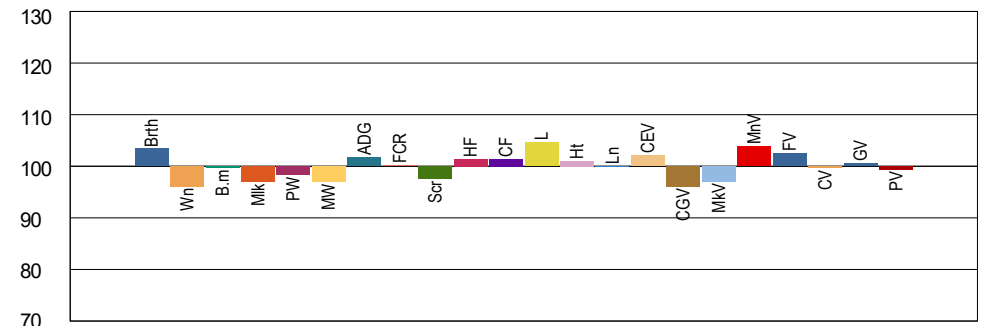
Total: 5



Cow Herd

Cows born in 2024 and earlier

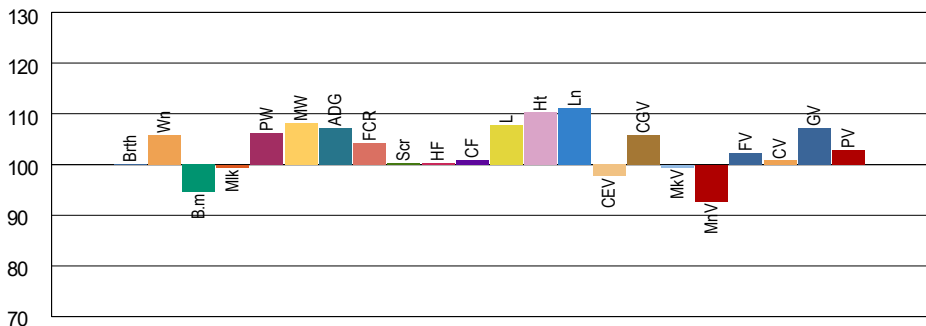
Total: 36



Sires of young animals

Sires of animals 3 years and younger

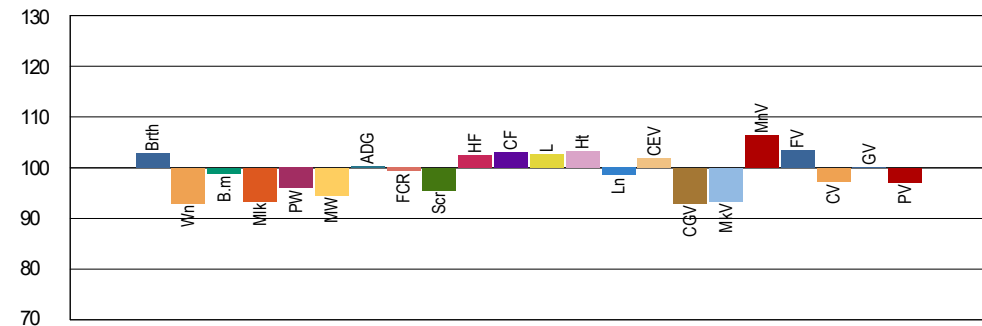
Total: 32



Cows older than 6 years

Cows born in 2020 and earlier

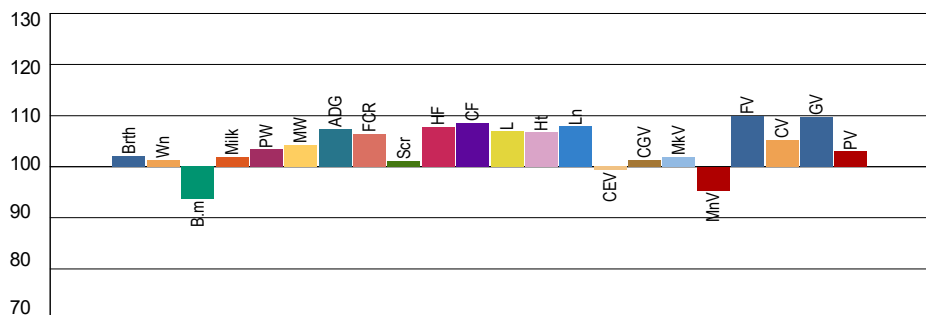
Total: 16



Bull calves

Bulls born in 2025

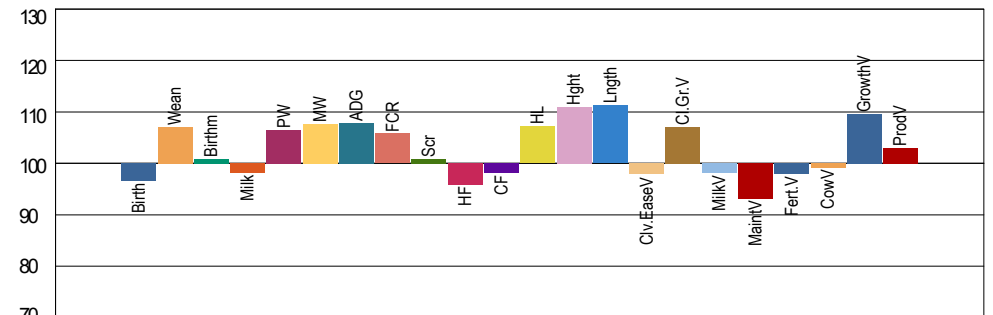
Total: 12



Heifer calves

Heifers born in 2025

Total: 9

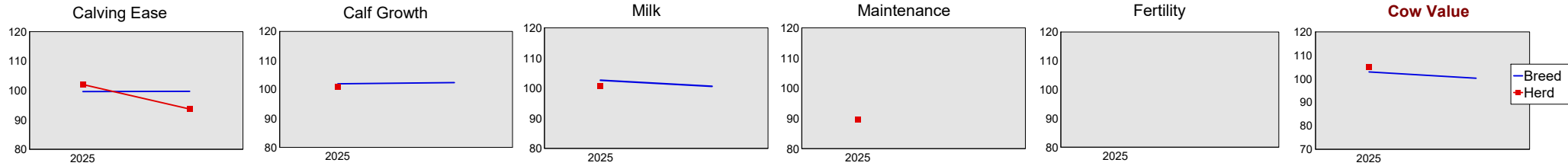


Summary of Cow Herd

			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
2015	3	★★★★	105	89	71	115	107	93	87	88	103	89	110	71	89	87	87	81	88	104	108	106	90	84
2017	1	★★★★	119	79	65	131	104	96	75	87	119	79	129	65	82	71	80	87	97	102	102	112	89	83
2018	4	★★★★	97	98	101	98	98	94	115	100	97	98	99	101	105	105	113	111	99	90	103	105	107	106
2019	3	★★★★	99	93	89	111	98	93	98	92	103	93	90	89	96	91	97	97	91	104	95	100	97	94
2020	5	★★★★☆	102	94	109	101	109	106	103	105	105	94	92	109	96	98	105	105	100	111	106	99	115	108
2021	4	★★★★	100	106	100	90	94	96	108	99	101	106	96	100	108	111	113	109	108	91	97	106	106	109
2022	10	★★★★☆	100	101	103	106	106	108	99	107	101	101	103	103	101	96	100	100	100	107	102	106	95	99
2023	1	★★★★	102	102	106	95	93	98	111	102	99	102	105	106	102	103	113	108	96	87	92	113	109	106
2024	5	★★★★	109	87	93	105	101	94	96	92	113	87	97	93	91	95	99	95	91	99	100	107	100	99
2025	9	★★★★	98	107	98	93	98	99	110	103	97	107	101	98	106	108	108	106	101	96	98	107	111	111
2026	5	★★★★	93	103	93	100	102	96	101	97	95	103	93	93	105	99	100	98	112	104	97	108	101	99
Cows in Herd Average:			102	96	93	104	101	98	100	97	103	96	101	93	98	97	101	103	98	100	100	106	102	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.



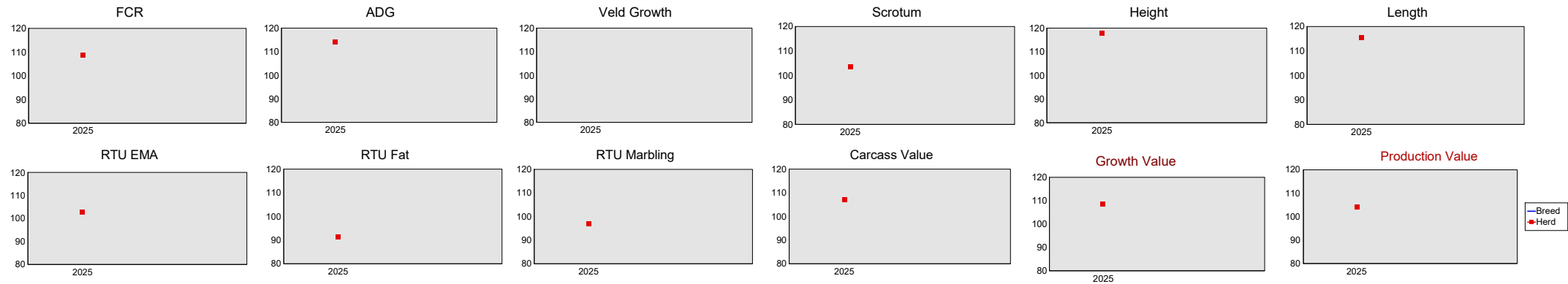
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility						Cow Value		
	Birth Weight		Dir	Mat	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight	Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity	
	Number	EBV				Number	EBV		Number	EBV		Number	EBV			Number	EBV	Number	EBV	Number			EBV
2025	3	0.21	-0.32	102	6	1.5	101	6	0.67	101	3	12.3	90										105
2026	9	0.56	0.08	94																			

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility								Cow Value	
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Mainte-nance	Heifer Fert.		Cow Fert.		Longevity		Ferti-lity			
	Number	Dir EBV			Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number		EBV
2016	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			
2025	3	-17	109	3	18	114				3	3.8	104	3	12	118	3	10	115	3	0.19	103	-0.92	91	-0.40	97	107	109	104
2026																												

Breed

Birth Year	Growth									Frame						Carcass						Selection Values							
	FCR			ADG			Veld Growth			Scrotum			Height			Length			RTU Number		EMA		Fat		Marbling		Cracss Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	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	Genomic	Sire ID Dam ID	Comp.nr	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)
B 070052 66749854		B 030029 B 960615		108	113	110	96	129	137	111	136	113	96	108	104	102	113	110	116	119	114	106	118	112	122	140	120	95	122	118	106	116	110	108	102	90	
				98	97	96	96	95	87	95	89	94	3	-0.17	-0.8	9	5.6	2.8	22	14.3	18	2	-36	0.73	13.2	-26.7	-3.8	26.9	15	12.1	0.40	1.46	0.38	0.11	15	32	83
													96	98	97	96	96	96	96	96	95	94	93	96	96	95	93	97	96	95	93	94	93	94			
BA 120324 75644948		BA 090111 BA 090150		127	78	50	138	87	85	54	69	60	69	132	125	62	78	50	55	76	63	82	58	104	77	97	95	93	81	72	58	90	94	58	104	2	
				95	76	81	87	75	74	52	67	34	-19	-1.71	-2.7	-26	-6.0	-11.4	-112	-9.1	-59	-34	84	0.39	-9.8	1.0	0.8	24.8	-9	-16.9	-2.76	-1.07	-0.57	-0.54	23	33	
													85	96	92	87	76	81	81	56	52	18	20	54	54	78	54	92	53	51	33	36	33	34			
BAR 120128 76821867		D 090008 C 090076		115	76	50	133	108	87	61	74	65	73	111	98	69	76	50	51	74	68	82	56	83	75	109	111	96	57	63	58	97	100	60	63	29	
				92	86	82	85	62	74	70	73	66	-16	-0.33	-0.2	-20	-6.7	-11.4	-120	-10.3	-52	-34	87	-0.49	-10.7	-7.0	-2.1	27.0	-23	-22.2	-2.71	-0.41	-0.23	-0.51	7	24	50
													73	94	89	85	86	82	84	71	69	19	23	78	75	61	38	88	74	66	62	70	63	66			
BAS 180210 88225792		ECC 100020 BAS 150111		94	129	125	63	89	107	129	117	134	140	96	110	148	129	125	116	138	131	104	130	103	88	91	101	89	156	150	114	104	115	115	55	22	
				95	94	93	94	93	85	94	88	93	40	0.61	-1.3	48	10.9	6.5	23	25.1	43	0	-60	0.36	-3.9	4.7	-0.3	21.4	34	31.5	0.93	0.35	0.67	0.19	11	5	5
													93	96	95	94	94	93	94	93	94	92	92	95	94	93	92	94	94	94	93	93	93	93			
BH 110020 74852302		FN 060068 FN 080402		98	118	71	93	100	100	117	105	131	121	96	103	107	118	71	87	119	115	111	112	125	104	95	95	109	113	118	105	124	87	109	41	16	
				93	87	80	83	77	76	44	66	42	24	0.64	-0.7	13	7.3	-6.3	-41	14.3	19	11	-23	1.28	4.2	2.6	0.8	38.0	10	11.9	0.35	2.23	-1.03	0.12	16	29	
													70	94	89	83	87	80	83	62	43	22	29	48	46	83	55	92	45	42	40	43	40	42			
BH 150314 83295881		NBOR060063 GF122U D		86	102	151	103	112	125	89	118	112	98	93	79	93	102	151	146	99	92	87	81	93	89	120	98	103	100	112	138	107	105	137	86	74	
				95	95	89	90	87	83	82	83	82	5	0.81	1.6	1	2.0	12.6	89	3.6	-15	-25	38	-0.06	-3.4	-13.8	0.4	32.6	2	7.9	2.52	0.60	0.07	0.47	21	26	
													84	96	93	90	95	89	91	83	82	81	81	82	82	87	83	90	82	82	82	82	82	82			
BH 180490 88239819		MHB 040027 HOT 100024		95	98	113	102	116	112	104	112	117	97	97	90	96	98	113	112	103	98	99	90	106	91	112	113	113	99	104	116	121	84	118	56	4	
				94	91	91	91	90	82	90	84	90	4	0.52	0.5	3	0.7	3.7	12	5.4	-6	-7	19	0.48	-2.7	-8.6	-2.4	40.8	1	3.0	1.05	1.97	-1.18	0.23			
													90	96	93	91	91	91	91	90	90	89	89	90	90	90	90	91	90	90	90	90	90	90			
BOS 150219 85940799		LL 100011 HVT 010013		116	90	104	101	104	104	126	113	105	91	113	110	97	90	104	97	95	133	109	124	84	105	105	104	104	105	116	115	104	118	128	106	7	1
				88	86	84	83	84	77	81	78	81	-1	-0.46	-1.3	4	-2.0	1.4	-19	1.4	45	7	-48	-0.44	4.3	-3.5	-0.7	34.7	11	9.9	0.25	1.73	1.44	0.08	3	4	
													82	88	86	83	86	84	84	82	81	80	80	81	81	83	81	89	81	81	81	81	81	81			
BU 140160 81053738		CI 080030 E 090051		108	98	129	92	97	108	81	99	97	100	114	99	105	98	129	118	100	78	100	54	132	74	100	93	104	80	102	117	95	99	115	61	40	
				95	94	92	91	90	83	92	86	88	7	-0.53	-0.3	12	0.5	7.3	27	4.1	-36	-6	91	1.61	-11.3	-0.9	1.3	33.9	-10	2.0	1.11	-0.59	-0.32	0.19	12	8	20
													91	96	93	91	94	92	92	92	91	87	87	93	93	90	88	92	92	91	88	88	88	88			
BU 200030 90107806		SS 090147 BU 140123		109	112	105	82	101	109	111	111	104	128	103	117	120	112	105	103	103	120	90	125	114	96	107	91	105	156	148	113	77	81	109	39	21	
				90	90	85	84	83	78	86	80	81	30	0.18	-2.0	25	5.3	1.7	-6	5.7	26	-21	-50	0.83	-0.1	-5.5	1.6	34.8	34	30.6	0.85	-2.27	-1.34	0.11	2		
													84	93	87	84	90	85	86	86	86	80	80	89	88	83	81	86	87	85	81	81	81	81			
BWS 200061 90506916		BWS 140027 PJM 110019		117	80	102	99	91	85	104	88	107	101	134	106	98	80	102	88	84	105	91	99	99	85	87	89	113	99	91	85	116	104	89	28	10	
				88	86	82	82	82	76	81	78	80	7	-1.84	-0.9	6	-5.3	0.9	-39	-4.8	4	-20	2	0.20	-5.5	7.2	1.9	41.2	1	-5.0	-0.95	1.51	-0.01	-0.14			
													81	91	85	82	86	82	83	80	81	79	79	81	81	82	80	85	81	81	80	81	80	80			
BWS 200079 90736620		BR 160048 BWS 180014		77	111	110	92	132	118	103	116	113	107	85	79	106	111	110	112	111	107	94	112	70	109	126	121	124	114	116	126	84	108	122	12	1	
				87	83	83	83	83	76	82	78	82	13	1.32	1.6	12	4.8	2.8	13	10.2	7	-15	-24	-1.02	6.5	-17.6	-4.0	49.8	10	10.3	1.73	-1.64	0.22	0.29			
													83	88	85	83	83	83	83	82	82	81	81	82	82	83	82	85	82	82	82	82	82	82			
CFH 080063 66399601		PM14R B 020004		116	85	66	115	81	76	62	64	82	86	112	108	89	85	66	67	81	71	149	73	122	111	89	89	89	88	82	88	121	72	91	26	3	
				96	95	96	95	94	86	93	88	92	-5	-0.42	-1.2	-3	-3.6	-7.4	-86	-6.3	-47	69	55	1.18	7.3	5.9	2.0	21.4	-5	-10.5	-0.80	1.97	-1.92	-0.12	10	55	160
													95	96	96	95	95	96	95	92	93	90	90	94	93	93	91	97	93	92	92	93	92	92			
CFH 130266 79556577		C 090014 CFH 080059		76	146	85	80	98	110	130	120	148	121	66	94	124	147	85	109	135	131	84	129	104	110	78	115	106	133	136	137	144	123	143	153	71	
				98	97	96	96	96	87	96	90	96	24	2.56	0.2	28	16.6	-3.0	7	23.3	42	-30	-58	0.41	7.0	12.9	-2.9	35.6	21	22							

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	Birth	Wean
CFH 140100		CFH 080073 CFH 080268	123 94	79 93	138 88	118 90	89 87	112 82	87 88	105 84	111 87	91 -1 85	125 -1.27 95	102 -0.5 92	82 -9 90	79 -5.6 93	138 9.4 88	126 43 90	83 -5.5 89	72 -44 87	98 -9 82	54 92 83	138 1.82 90	95 -0.6 89	95 2.2 86	86 2.5 83	94 25.8 91	109 7 89	95 -2.4 87	116 1.07 86	128 2.71 88	49 -3.24 87	119 0.25 87	54 12	48 15	48 21
CI 070034		TLM 020001 GF39T D	95 98	98 96	98 96	86 95	77 94	72 86	112 90	79 87	98 89	114 18 93	95 0.68 98	101 -0.5 97	114 19 95	98 0.7 96	98 0.1 96	92 -31 96	92 -0.5 92	116 20 90	93 -17 88	108 -15 88	122 1.17 91	67 -14.5 90	94 3.2 94	78 3.9 90	89 21.5 98	126 17 90	99 0.1 90	102 0.16 89	86 -1.39 89	101 -0.19 89	100 0.00 89	198 56	68 137	
D 100013		KPO622 ADC9080	109 92	75 83	112 78	111 80	119 69	105 73	92 51	101 66	79 34	84 -7 75	110 -0.31 93	127 -3.0 87	90 -1 80	75 -6.8 83	112 3.4 78	97 -19 80	79 -7.6 58	96 -9 50	108 5 12	112 -24 18	91 -0.16 59	79 -8.7 56	105 -4.4 70	135 -6.5 47	96 27.2 89	124 16 54	107 5.2 48	65 -2.25 32	83 -1.73 37	89 -0.89 33	65 -0.45 34	50 2	20 15	20 34
D 140139		1831LXIX F/17780	92 96	119 94	68 78	87 80	138 66	117 76	99 60	114 71	113 55	111 16 62	96 0.60 98	95 0.1 90	116 21 80	119 7.5 94	68 -7.2 78	82 -53 84	108 8.5 64	106 5 58	70 -52 44	100 0 32	112 0.76 70	94 -1.0 66	117 -11.8 76	146 -8.7 34	105 34.8 88	129 19 64	119 12.4 55	96 -0.25 51	92 -0.82 59	93 -0.62 51	95 -0.06 55	195 6	80 17	80 35
DBC 200037		DBC 140028 DBC 170047	99 90	109 91	93 83	85 83	112 82	104 78	119 81	110 79	109 81	113 18 82	109 -0.24 93	94 0.2 87	116 21 83	109 4.2 91	93 -1.3 83	94 -27 86	110 9.5 80	127 36 81	99 -8 80	118 -36 80	79 -0.65 82	108 6.0 82	105 -4.0 81	118 -3.3 80	100 30.9 85	114 10 82	110 6.9 81	94 -0.37 81	92 -0.81 81	91 -0.79 81	94 -0.08 81	45 1	34	
DM 160005		CI 110090 WZ 140051	119 94	104 93	105 88	85 88	121 87	122 82	86 87	113 84	114 86	110 15 88	118 -0.81 96	116 -1.9 92	116 21 88	104 2.6 93	105 1.7 88	100 -13 90	115 12.5 88	82 -29 86	155 78 84	73 55 84	99 0.18 88	87 -4.6 87	119 -13.2 87	108 -1.5 85	120 46.5 90	92 -3 87	106 4.4 86	116 1.09 86	149 4.68 87	123 1.16 86	125 0.32 86	84 4	30 4	30 6
DM 180002		FN 120457 DM 150001	113 93	66 87	82 85	89 85	94 86	57 79	105 84	64 80	110 84	110 15 84	151 -2.92 95	139 -4.1 89	113 18 85	66 -10.0 87	82 -3.8 85	59 -104 86	67 -14.2 84	109 10 84	109 8 83	102 -4 83	109 0.62 84	101 2.5 84	94 2.6 85	92 1.5 84	107 35.8 88	99 1 84	106 4.4 84	100 0.04 84	117 1.55 84	121 1.01 84	103 0.04 84	53	6	
ENJ 190052		E 110154 ENJ 170013	99 92	82 92	78 83	117 82	85 83	72 79	84 80	69 79	77 80	78 -12 81	101 0.31 95	121 -2.4 87	87 -5 82	82 -4.7 92	78 -4.7 83	75 -69 86	82 -6.0 81	83 -28 80	110 10 80	89 23 80	88 -0.28 81	91 -2.6 81	81 11.4 82	83 3.0 81	113 41.2 86	78 -11 81	78 -12.6 80	80 -1.33 80	87 -1.37 80	97 -0.40 80	78 -0.27 80	64	53	
FN 110100		B 030029 FN 040017	97 90	102 83	121 75	96 76	114 71	116 72	110 58	117 68	101 48	102 8 73	93 0.82 91	102 -0.6 85	101 8 76	102 1.8 83	121 5.4 75	117 24 78	102 5.3 58	85 -29 57	108 -16 28	106 0.47 64	127 15.7 62	99 0.0 75	125 -4.7 50	99 29.8 89	82 -8 60	98 -0.8 55	126 1.74 45	91 -0.96 50	97 -0.39 46	123 0.30 48	30 1	16 9	16 16	
FN 110229		FN 050028 FN 040023	89 98	122 96	91 94	95 94	150 94	142 86	138 94	150 88	137 93	118 22 94	94 0.77 98	89 0.7 96	104 11 94	122 8.4 96	91 -1.7 94	106 -1 95	122 16.4 94	137 52 94	78 -40 93	128 -55 92	127 1.36 94	134 19.0 93	139 -26.1 94	151 -9.6 92	115 42.2 96	124 16 93	129 18.7 93	132 2.15 93	119 1.76 93	97 -0.43 93	134 0.44 93	125 15	78 12	78 18
FN 190116		FN 050028 B 070139	117 93	102 87	111 85	91 85	112 86	119 79	125 84	125 80	121 84	121 24 84	119 -0.87 95	109 -1.2 89	107 13 85	102 1.8 87	111 3.2 85	107 2 86	105 6.7 84	127 37 84	88 -25 83	115 -29 82	105 0.46 84	92 -2.0 84	102 -2.2 86	109 -1.8 83	117 44.3 88	124 16 84	126 16.9 84	104 0.28 83	112 1.06 84	114 0.62 83	106 0.08 84	61	4	
FN 190178		FN 110229 FN 110402	113 84	110 57	85 47	88 49	131 51	125 54	131 44	133 51	134 37	125 27 47	120 -0.92 93	104 -0.8 69	113 18 49	110 4.6 57	85 -3.0 47	90 -35 51	109 9.2 43	133 45 43	95 -13 37	125 -49 19	120 1.09 44	120 12.0 40	119 -12.9 52	129 -5.5 34	119 46.1 66	122 15 41	130 19.2 37	126 1.71 35	115 1.40 39	104 -0.01 36	127 0.35 37	67	1	
FPL 150070		FN 070149 FN 120541	124 87	85 87	88 73	125 76	117 60	119 70	96 76	115 72	89 74	76 -14 61	119 -0.85 90	109 -1.3 83	76 -14 76	85 -3.7 87	88 -2.4 73	90 -36 79	87 -3.3 75	101 -2 75	91 -20 18	99 3 44	88 -0.25 84	94 -1.0 82	125 -16.8 62	112 -2.3 39	107 36.3 78	72 -14 80	87 -7.3 73	90 -0.66 71	102 0.11 78	152 2.88 71	90 -0.12 74	29 7	26 8	26 17
GB 180041		CC 100044 GB 080002	108 69	95 61	94 59	118 58	103 47	108 54	107 68	109 58	96 66	84 -7 56	104 0.11 69	112 -1.5 65	85 -6 58	95 -0.4 61	94 -1.0 59	98 -18 59	94 0.9 42	105 4 66	79 -38 24	102 -4 12	113 0.77 78	92 -1.8 75	103 -3.1 45	100 -0.1 31	108 37.0 65	93 -2 72	91 -5.0 64	121 1.40 62	112 1.07 70	124 1.22 63	121 0.27 66	3 1	2	

Sires

Bull				Selection Values									Birth			Wean				Grwth & Adaptation					Fertility				Raam		Carcass				Progeny	
Index EBV Acc	Genomic	Sire ID Dam ID	CI	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 Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %	Birth	Wean
ID				Comp.nr	Grwth Test	Dght&clv (Weaned)																														
GB 200011 90410291		CI 080130 ZA 150017		95	87	126	107	116	110	96	107	107	86	108	76	92	87	126	116	101	87	128	82	125	134	105	113	121	85	86	135	141	70	139	69	22
				92	90	85	85	84	79	86	81	86	-5	-0.19	1.9	85	95	89	85	90	6.7	21	84	-23	36	37	1.30	19.1	-4.4	-2.4	47.5	-7	-7.9	2.35	3.94	-1.99
GB 210016 92278696		GLB 150008 VST 130133		117	95	85	98	105	101	115	106	114	106	110	116	101	95	85	85	100	113	114	118	92	139	101	112	103	101	102	107	100	92	107	26	8
				91	89	86	86	84	79	85	81	85	11	-0.29	-1.9	85	93	89	86	89	86	87	4.1	16	16	-36	-0.11	21.8	-1.5	-2.2	32.6	2	2.1	0.48	-0.03	-0.71
HOT 140019 87297230		MHB 060030 HOT 070009		67	106	117	113	95	97	67	85	88	107	84	53	88	106	117	124	108	53	83	41	81	83	106	81	110	92	92	95	90	95	94	107	34
				93	88	73	71	71	73	68	72	67	12	1.41	4.1	72	96	85	-4	3.3	4.5	40	8.2	-73	-31	118	-0.58	-6.7	-4.7	3.5	38.9	-3	-4.2	-0.28	-1.01	-0.54
HS 190015 88821228		FPL 130033 FPL 120049		103	91	117	101	79	87	118	95	105	105	99	103	96	91	117	110	96	113	108	111	119	94	84	79	102	95	102	89	127	148	93	21	9
				92	91	89	89	88	81	90	84	90	10	0.43	-0.7	88	93	91	4	-1.6	4.6	8	1.9	15	6	-21	1.03	-1.1	9.2	3.9	31.9	-1	1.8	-0.73	2.61	2.63
JH 160045 83894527		JH 100127 JH 100077		86	112	77	96	101	91	98	91	81	110	94	135	104	112	77	89	98	91	107	103	92	90	92	113	97	59	72	72	72	82	69	155	97
				97	96	93	93	92	85	93	87	92	15	0.73	-3.7	90	98	95	10	5.3	-4.9	-38	2.8	-16	4	-5	-0.08	-3.1	4.1	-2.4	27.8	-22	-16.4	-1.85	-2.77	-1.33
JH 220057 93666816		JH 160045 JH 170088		101	107	102	88	105	104	111	107	108	119	96	110	112	107	102	101	101	120	91	124	79	109	97	109	107	110	113	98	89	103	97	4	
				87	87	84	84	82	77	84	79	84	22	0.63	-1.3	82	88	86	18	3.5	1.1	-11	4.4	26	-20	-47	-0.64	6.7	1.3	-1.7	36.0	8	8.7	-0.08	-1.11	-0.05
JJP 160508 83581512		JJP 110531 JH 100062		84	122	110	75	77	86	95	86	108	135	93	92	130	122	110	109	120	82	106	80	103	111	57	97	108	91	88	113	96	78	112	51	19
				93	90	86	86	86	80	84	81	84	35	0.79	0.4	85	95	90	33	8.5	3.0	7	14.9	-29	4	41	0.35	7.6	26.8	0.5	37.1	-3	-6.8	0.89	-0.49	-1.52
JL 190015 89672836		W 130181 CFH 120734		131	96	52	94	113	98	101	99	87	101	127	123	107	96	52	58	92	113	95	107	96	105	111	108	116	107	105	75	81	95	73	54	16
				92	89	86	86	86	79	84	80	84	7	-1.37	-2.6	85	94	89	13	-0.1	-10.8	-106	-0.3	16	-14	-14	0.06	4.6	-8.2	-1.5	43.2	6	3.9	-1.64	-1.97	-0.51
JRS 170036 88832811		HA 110002 EO 090005		95	123	97	89	91	104	91	100	112	113	100	95	112	123	97	108	119	93	103	96	92	110	91	92	109	107	116	117	78	103	113	88	57
				84	90	55	53	51	63	38	55	37	17	0.34	0.1	43	94	70	17	8.8	-0.3	4	14.6	-14	-1	9	-0.11	7.2	4.8	1.4	38.2	6	10.7	1.13	-2.25	-0.07
JRS 200005 90070400		WG 110010 JRS 120025		101	103	81	97	94	89	105	92	98	101	95	107	103	103	81	86	105	95	105	94	102	90	90	98	102	94	90	101	103	101	102	3	
				72	37	35	37	49	42	23	36	22	7	0.69	-1.0	32	76	59	9	2.2	-4.0	-44	6.5	-11	2	12	0.32	-3.0	5.5	0.3	31.8	-1	-5.2	0.10	0.25	-0.18
MC 130043 77074078		TLM 030012 CI 080071		102	78	70	126	109	87	79	81	79	76	102	88	77	78	70	69	85	86	106	100	70	119	104	119	103	79	83	88	108	98	89	4	4
				74	71	66	72	62	63	55	61	50	-14	0.23	0.8	47	74	73	-13	-5.8	-6.7	-82	-4.2	-24	3	0	-1.03	11.8	-3.2	-3.6	32.6	-10	-9.6	-0.78	0.69	-0.33
MC 150183 83369785		MXM100484 CFH 050132		114	83	77	102	109	89	90	86	85	89	115	104	98	83	77	71	91	95	92	85	98	90	102	107	104	93	90	82	90	118	81	46	20
				87	83	63	65	58	66	56	63	52	-3	-0.60	-0.8	61	91	78	5	-4.3	-4.9	-77	-0.9	-11	-19	30	0.15	-3.1	-2.2	-1.4	33.8	-2	-5.8	-1.20	-1.09	0.82
MC 160100 84558725		MC 110005 MC 110065		78	102	116	84	97	85	104	88	90	114	87	83	116	102	116	107	102	105	108	112	105	134	89	101	103	109	103	102	53	78	95	158	56
				99	98	97	97	97	88	97	91	97	18	1.21	1.2	97	99	98	21	2.0	4.3	2	5.2	4	6	-24	0.44	19.2	6.2	-0.3	33.3	7	2.6	0.14	-4.66	-1.51
MHB 090031 70342597		MHB 040010 MHB 050006		110	132	128	80	79	122	147	136	137	134	105	123	121	132	128	132	133	133	106	127	141	105	77	85	98	156	141	110	103	94	111	90	61
				95	94	87	88	70	79	86	81	62	35	0.04	-2.5	86	96	92	25	11.7	7.1	57	22.5	46	3	-54	1.97	4.3	13.8	2.7	29.0	34	25.8	0.66	0.18	-0.57

Sires

Bull				Selection Values									Birth			Wean				Grwth & Adaptation					Fertility				Raam		Carcass				Progeny	
Index EBV Acc	Genomic	Sire ID Dam ID	ID Comp.nr	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 %	Birth	Wean
MOS 200105 90731365		WZ 140052 E 140045		92	108	99	91	100	98	94	95	124	111	95	94	108	108	99	101	109	92	96	85	113	100	95	102	114	86	105	120	108	104	121	59	20
				93	92	87	87	86	81	84	82	84	15	0.66	0.2	14	3.9	0.3	-10	9.3	-15	-13	31	0.80	2.1	2.3	-0.4	42.1	-6	3.8	1.35	0.70	-0.01	0.27		
MS 090082 70150404		E 050001 HVT 010016		118	73	97	98	94	78	101	81	93	101	126	101	100	73	97	79	80	100	108	91	117	86	97	99	88	95	90	97	106	103	98	15	
				79	41	44	44	52	48	30	43	26	7	-1.35	-0.5	7	-7.6	-0.3	-60	-7.1	-4	6	19	0.97	-5.2	0.8	0.1	21.2	-1	-5.6	-0.17	0.51	-0.07	-0.02		
MXM 150505 86186624		MXM100404 MXM110085		78	103	108	85	138	110	84	102	103	111	87	83	116	103	108	103	111	84	132	85	98	95	129	136	111	96	98	113	100	116	112	25	3
				82	55	43	48	52	52	30	45	29	16	1.17	1.2	21	2.2	2.5	-10	10.0	-27	42	31	0.17	-0.6	-19.4	-6.8	39.3	-1	-0.4	0.85	-0.07	0.70	0.15	1	2
NBOR180016 89068423		NBOR100077 NBOR130008		112	107	107	96	102	115	99	112	121	101	108	111	102	107	107	109	110	97	101	98	103	116	101	87	120	106	114	114	98	110	114	33	1
				91	87	86	86	86	79	85	81	85	8	-0.15	-1.4	9	3.7	2.1	8	9.7	-8	-5	4	0.34	10.0	-1.5	2.3	46.7	6	9.1	0.97	-0.26	0.33	0.18		
NCT 210042 92515287		NCT 160021 BS 120024		78	145	99	69	67	90	138	105	129	143	59	101	141	145	99	111	140	135	145	132	123	110	55	81	102	136	132	120	84	74	117	6	4
				89	87	86	86	84	78	86	80	86	42	3.02	-0.4	43	16.2	0.3	11	26.3	49	62	-63	1.21	7.1	27.5	3.4	31.8	23	20.2	1.32	-1.60	-1.79	0.22		
PB 130028 79141545		EG 080001 PB 100052		98	67	87	133	64	56	87	56	80	76	107	67	66	67	87	80	77	80	116	76	134	90	78	53	99	73	72	97	129	90	101	144	108
				96	96	92	93	90	84	88	85	88	-14	-0.07	2.8	-22	-9.5	-2.5	-57	-8.5	-33	18	49	1.67	-3.0	13.1	8.7	29.7	-14	-16.9	-0.19	2.79	-0.82	0.01	3	25
PRB 180015 86983855		NBOR060065 BA 090113		98	119	101	79	113	114	95	110	111	126	107	99	125	119	101	103	110	99	71	96	110	87	120	110	98	138	126	139	77	97	134	183	112
				96	96	88	88	87	83	86	84	86	28	-0.07	-0.2	29	7.4	0.8	-7	9.7	-5	-49	9	0.66	-4.6	-13.9	-1.9	29.3	24	16.9	2.61	-2.35	-0.44	0.44	1	2
PRB 180053 87892725		B 040001 PRB 140032		67	107	138	91	79	84	93	83	132	121	75	74	105	107	138	131	111	96	89	93	110	112	96	62	109	116	118	98	149	112	107	49	42
				93	94	89	89	88	82	88	84	88	24	2.00	2.1	12	3.4	9.5	56	10.0	-10	-23	14	0.65	8.0	1.7	7.0	38.2	11	11.5	-0.12	4.68	0.49	0.10	3	
PRB 210054 92859230		B 060021 PRB 150007		74	116	91	91	96	87	112	93	130	118	82	79	109	116	91	100	117	106	83	107	150	117	107	84	106	114	107	116	116	112	118	5	
				86	84	84	84	83	76	85	79	82	22	1.51	1.7	15	6.6	-1.7	-14	13.6	6	-31	-13	2.33	10.5	-5.4	2.9	35.4	10	5.3	1.09	1.51	0.48	0.24		
PT 120015 76232651		TLM 050503 BA 080086		99	85	79	97	108	80	80	74	84	99	98	100	102	85	79	72	89	79	70	66	79	66	97	120	100	74	73	86	107	108	88	2	
				72	64	66	67	58	59	46	55	40	5	0.45	-0.4	9	-3.8	-4.5	-74	-2.0	-35	-52	67	-0.65	-15.0	1.0	-3.9	30.9	-13	-16.2	-0.89	0.60	0.25	-0.16		
PT 140007 83384446		CI 070127 BA 080086		94	97	96	93	102	89	92	87	91	102	95	96	105	97	96	92	102	112	91	107	64	115	104	105	99	89	107	120	64	87	113	103	72
				94	93	82	86	67	77	57	71	54	8	0.65	0.0	12	0.2	-0.4	-30	5.0	14	-19	-14	-1.29	9.8	-3.3	-0.9	29.5	-4	5.0	1.31	-3.56	-1.03	0.17	3	25
QT 160044 84906460		B 120155 QT 120029		77	107	125	79	122	106	116	111	108	115	90	82	122	107	125	114	112	109	104	112	94	78	109	125	103	107	113	108	72	108	103	152	21
				98	97	97	97	97	88	96	90	96	19	1.01	1.4	26	3.5	6.5	17	10.7	10	-1	-23	-0.02	-9.3	-6.7	-4.7	32.6	6	8.8	0.53	-2.80	0.25	0.05	3	3
S 150019 82120890		CFH 080354 PB 080101		109	78	99	126	83	87	82	81	68	72	102	101	75	78	99	95	79	80	110	80	105	73	79	99	91	86	81	74	83	78	73	65	47
				87	89	66	72	56	69	51	64	48	-17	0.20	-0.5	-15	-6.0	0.2	-25	-7.9	-33	10	40	0.44	-11.7	12.3	0.1	23.5	-6	-11.3	-1.67	-1.72	-1.54	-0.35	3	9
SVB 210145 92807049		VST 130110 GN 150053		101	93	91	108	104	97	101	97	105	98	102	94	92	93	91	91	96	105	100	109	126	96	114	92	112	89	94	92	120	112	95	19	
				76	52	47	47	44	49	42	47	42	5	0.22	0.2	0	-1.0	-1.7	-33	1.9	4	-6	-17	1.31	-0.1	-9.9	1.3	40.2	-5	-2.7	-0.52	1.91	0.45	-0.06		

Sires

Bull				Selection Values								Birth			Wean				Grwth & Adaptation					Fertility				Raam		Carcass				Progeny		
Index EBV Acc	Genomic	Sire ID Dam ID	Comp.nr	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	Yeld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %	Nr measured	
ID																																			Birth	Wean
VST 130110		MHB 040027	75	105	100	110	106	100	103	101	118	101	77	77	91	105	100	108	110	113	97	121	127	101	114	97	106	94	98	97	140	112	103	64	33	
78969904		MHB 060005	95	93	91	91	90	83	91	85	90	8	1.84	1.8	0	3.0	0.6	4	9.7	16	-10	-42	1.36	2.3	-9.9	0.5	35.1	-1	-0.7	-0.20	3.81	0.46	0.04	7	7	15
VST 160093		MHB 060024	79	146	112	84	99	126	140	137	148	122	53	91	117	146	112	131	146	144	139	129	115	96	117	90	100	142	147	116	105	128	117	48	30	
84206606		MHB 100027	87	88	69	68	56	68	76	70	75	25	3.41	0.5	22	16.3	3.3	55	29.7	62	54	-57	0.85	0.0	-11.9	1.8	30.2	26	29.7	1.06	0.41	1.45	0.22	8	4	8
VST 180145		SS 110031	81	129	104	97	93	110	112	113	119	102	76	93	101	129	104	122	121	101	83	106	129	72	97	93	93	119	111	141	118	66	142	15	13	
88745203		MHB 060009	80	81	65	68	55	64	70	66	69	8	1.93	0.3	8	10.8	1.4	36	15.8	-2	-32	-11	1.44	-12.0	1.0	1.3	25.0	13	7.5	2.75	1.71	-2.25	0.54	1	3	3
W 130325		Z 060051	104	109	116	89	117	123	98	119	106	111	106	103	110	109	116	114	102	98	100	103	104	99	113	119	92	118	115	103	78	109	100			
79068193		W 100002	72	56	57	57	54	54	46	52	43	16	0.00	-0.7	15	4.3	4.3	18	5.2	-7	-5	-5	0.41	1.4	-9.0	-3.7	24.1	12	9.8	0.20	-2.23	0.30	0.00			
WJ 180175		JRS 140015	105	98	94	102	106	103	99	102	94	98	105	99	97	98	94	95	101	101	103	104	97	106	107	112	96	94	93	94	101	100	95			
89268627		WJ 120132	68	38	38	44	48	43	26	38	20	5	0.02	-0.3	4	0.6	-0.9	-23	4.4	-2	-2	-7	0.10	4.8	-5.7	-2.3	27.7	-2	-3.9	-0.35	0.00	-0.24	-0.07			
WS 180121		CFH 110504	111	106	88	99	93	101	105	102	95	100	105	111	100	106	88	94	101	101	106	93	117	91	93	93	109	97	93	99	106	100	100	26	3	
88308911		WS 140075	84	62	56	58	54	58	24	48	21	6	0.02	-1.5	7	3.2	-2.4	-26	4.7	-1	3	13	0.96	-2.6	3.8	1.1	38.0	0	-3.7	-0.02	0.55	-0.21	0.01			
YF 180020		W 140628	98	112	121	89	103	115	93	110	111	111	103	96	110	112	121	120	109	102	81	108	136	108	100	101	109	128	121	129	77	106	124	16	10	
88524160		W 160020	79	77	57	58	49	60	64	61	62	15	0.16	0.0	15	5.3	5.5	31	8.8	-1	-35	-16	1.76	6.2	-0.9	-0.3	37.9	18	13.6	1.95	-2.29	0.11	0.32	2		
ZIP 190054		FPL 150070	108	87	99	119	104	104	87	98	87	79	103	101	83	87	99	97	89	84	82	86	106	69	102	106	109	89	97	127	100	137	125	53	39	
89372544		FPL 160039	93	94	88	88	88	82	90	84	90	-11	0.15	-0.4	-7	-3.0	0.2	-19	-2.4	-27	-33	29	0.48	-13.5	-2.4	-1.2	38.1	-5	-1.2	1.78	-0.11	1.95	0.32	10		

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	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 %
IYD 200004	90721960	4	 DM 160005 DM 170052				83	123	109	87	107	113	120	110	115	133	112	87	90	113	123	109	116	133	105	128	94	91	91	100	97	122	83	106	136	149	117	147
							87	87	85	85	84	77	86	86	80	86	17	1.21	0.5	18	8.9	2.6	23	22.2	4	36	11	-0.1	-2.5	-1.2	0.4	48.0	-8	5	2.39	4.68	0.76	0.61
																	84	88	86	85	87	85	86	85	86	83	83	88	87	84	83	86	87	85	85	86	86	
MOS 200307	91318386		MXM 150505 MXM 150012				86	111	100	90	123	112	104			98	103	86	95	110	111	100	103	113	93	121	94	88	104	115	121	115	95	98	104	93	104	103
							66	45	40	41	37	42	47			16	9	1.23	0.1	15	4.8	0.5	-6	11.0	-13	25	12	-0.3	3.8	-10.5	-3.9	42.5	-1	0	0.29	-0.80	0.03	0.04
																	27	72	56	41	45	40	42	18	17	5	5	21	20	38	18	56	19	16	15	18	15	16
BH 210076	91710822	2	BH 110020 C 120025				89	107	91	91	93	86	96	115	93	115	116	93	92	108	107	91	94	111	116	109	111	119	115	93	85	110	103	109	115	114	92	117
							61	53	52	53	50	49	54	32	44	30	19	0.82	0.4	14	3.5	-1.7	-26	10.1	20	8	-21	1.0	9.5	3.7	2.7	38.6	3	7	1.01	1.34	-0.69	0.21
																	49	61	58	53	53	52	53	40	32	17	19	35	34	53	36	61	33	31	29	31	29	30
GF 230392	96307194	1	 DM 180002 GF 200160				133	80	87	91	95	87	78	101	89	99	105	129	127	108	80	87	74	85	112	124	110	113	106	97	92	100	112	109	88	113	130	90
							89	86	86	87	85	78	87	85	80	85	11	-1.55	-3.0	14	-5.1	-2.6	-71	-4.6	15	30	-20	0.8	5.2	0.7	1.3	30.3	9	6	-0.80	1.23	1.53	-0.12
																	85	90	88	87	86	86	86	85	85	84	84	85	85	85	84	87	85	85	85	85	85	
NBOR230046	96273230		 D 140139 NBOR200012				90	126	80	82	117	111	108	117	115	120	121	94	98	122	126	80	93	119	121	100	118	100	100	101	125	105	131	130	102	88	89	101
							86	84	83	83	83	76	84	82	78	82	24	0.73	-0.2	26	9.7	-4.2	-29	14.6	28	-5	-36	0.2	2.0	-1.7	-4.7	34.5	20	19	0.16	-1.21	-0.88	0.02
																	82	87	85	83	84	83	83	82	82	81	81	82	82	83	81	84	82	82	81	82	81	82
GB 240017	96988605	3	GB 200011 GB 150029				114	82	94	105	117	102	82	91	98	96	87	117	102	94	82	94	85	88	85	130	83	126	120	110	111	120	94	88	121	133	78	124
							67	51	45	46	36	45	52	42	44	41	-4	-0.74	-0.5	2	-4.6	-1.0	-46	-2.6	-25	40	35	1.3	12.3	-7.5	-2.2	46.4	-2	-7	1.39	3.13	-1.55	0.31
																	46	73	58	46	51	45	47	32	41	9	13	47	45	35	24	48	44	40	39	43	39	41
JOLA240001	97878706	1	 HS 190015 FPL 150034				96	93	111	120	86	96	104	98	96	91	89	96	87	82	93	111	113	96	102	94	94	123	95	91	83	105	89	91	80	117	114	83
							85	84	84	84	82	75	84	83	77	82	-3	0.65	0.9	-9	-1.1	3.1	15	1.9	0	-16	12	1.2	-0.6	4.9	3.1	34.8	-5	-5	-1.31	1.56	0.62	-0.21
																	83	85	85	84	84	84	84	82	83	81	81	84	83	82	81	84	83	83	82	83	82	82
JOLA240002	97878714	1	ENJ 190052 PB 210123				105	87	83	113	84	80	83	90	78	81	83	101	112	90	87	83	81	87	90	110	90	97	93	79	87	109	88	86	83	92	93	82
							54	56	34	33	31	40	49	20	34	18	-8	0.30	-1.5	-2	-3.0	-3.5	-54	-3.2	-18	9	20	0.1	-1.5	12.3	2.4	38.2	-5	-8	-1.12	-0.81	-0.65	-0.23
																	24	59	46	33	56	34	41	20	20	9	14	23	22	30	19	43	21	19	17	19	17	18
JOLA240004	98157647	1	 HOT 140019 JJP 210014				84	109	108	94	76	83	107	88	80	103	111	93	82	105	109	108	110	109	80	85	72	79	105	70	80	107	92	96	111	97	93	110
							88	86	86	86	85	78	86	85	80	85	16	0.79	1.3	11	4.3	2.4	10	9.2	-34	-28	55	-0.6	4.3	18.1	3.6	36.2	-3	-2	0.73	-0.34	-0.66	0.13
																	85	88	87	86	86	86	86	85	85	84	84	85	85	85	84	86	85	85	85	85	85	
BU 250075	98707672	4	BU 200030 BU 220026				125	83	118	97	106	108	97	94	105	88	104	124	115	100	83	118	102	83	94	119	94	119	85	112	94	110	118	114	105	85	92	102
							62	55	41	40	34	43	52	42	43	21	10	-1.19	-1.8	7	-4.3	4.7	-8	-5.5	-12	22	12	1.0	-5.3	-8.5	1.0	38.4	12	10	0.37	-1.55	-0.72	0.03
																	40	70	52	40	55	41	45	45	41	17	14	47	46	36	22	43	45	41	20	22	20	21
HOL 250038	98945207		 QT 160044 HOL 200009				94	94	114	87	117	101	93	109	104	93	105	103	91	112	94	114	101	99	112	116	114	101	103	112	114	108	101	105	90	74	99	87
							87	86	84	85	84	77	86	83	79	83	11	0.14	0.5	17	-0.7	3.7	-10	3.2	15	18	-27	0.3	3.7	-8.8	-2.6	37.2	3	4	-0.61	-2.62	-0.30	-0.16
																	84	88	86	85	86	84	85	84	83	83	83	84	84	84	83	85	84	83	83	83	83	83
JOLA250002	99058224		 JRS 170036 PB 190074				98	105	85	103	97	96	97	78	88	85	95	103	90	96	105	85	93	105	73	111	69	117	97	98	95	105	82	93	124	63	82	117
							83	85	81	81	80	74	84	82	76	82	2	0.17	0.5	3	2.8	-3.2	-29	6.7	-43	10	62	1.0	0.5	0.2	0.8	34.4	-9	-4	1.59	-3.67	-1.27	0.22
																	80	84	82	81	85	81	82	80	81	78	82	83	80	79	82	82	81	81	82	81	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	Sire ID	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	EBV Acc	Dam ID																																	
JOLA250003	1	DBC 200037			101	102	100	89	108	101	98	124	110	102	105	105	99	111	102	100	97	107	148	94	138	71	121	106	112	101	128	122	86	62	87	81	
98581192		PB 210007			84	86	82	83	81	75	85	82	77	82	11	0.05	-0.3	16	1.9	0.5	-20	7.8	67	-16	-76	-1.0	12.6	-4.5	-2.4	31.3	18	15	-0.93	-3.77	-1.03	-0.24	
															81	85	84	83	86	82	84	81	82	80	82	85	84	81	80	82	83	82	82	82	82		
JOLA250006	1	BH 180490			90	88	97	125	112	103	92	92	99	99	74	92	77	77	88	97	101	95	91	97	92	86	98	117	112	99	87	88	108	114	102	110	
98704547		NBOR220013			84	84	82	83	82	75	84	81	77	81	-15	0.87	1.8	-13	-2.6	-0.1	-12	1.4	-16	-10	17	-0.4	1.0	-12.0	-2.4	29.9	-6	-7	0.57	1.31	-0.14	0.13	
															81	85	84	83	84	82	83	81	81	80	80	81	81	82	81	83	81	81	81	81	81		
JOLA250007	2	BAS 180210			73	121	126	77	106	106	120	124	114	134	119	79	89	125	121	126	121	133	122	111	119	100	93	97	118	96	143	131	98	149	122	107	
99521015		HOL 180030			85	85	83	83	82	75	84	84	78	83	23	1.72	0.7	29	8.1	6.6	33	22.4	30	10	-37	0.2	-1.7	1.0	-3.5	27.6	27	20	-0.10	4.68	1.10	0.09	
															83	85	84	83	85	83	84	82	84	80	83	86	85	82	80	83	84	82	84	82	83		
JOLA250008	2	BWS 200079			105	91	94	99	128	110	88	100	108	95	97	109	97	99	91	94	89	91	103	115	106	75	92	124	122	114	107	101	114	81	100	110	
99527954		KJB 190198			85	83	83	83	83	75	83	82	77	82	4	-0.22	-0.1	6	-1.7	-0.9	-36	-1.0	1	17	-11	-0.8	-2.0	-16.3	-4.1	41.8	6	1	0.95	-1.95	-0.26	0.14	
															83	85	84	83	83	83	83	82	82	81	81	82	82	83	82	84	82	82	81	82	81		
JOLA250011		NBOR180016			110	110	109	87	93	106	113	108	107	122	119	108	112	113	110	109	107	110	107	116	104	110	114	89	85	119	111	118	118	102	95	118	
99548182		WS 230195			84	82	82	82	81	74	82	81	76	81	23	-0.14	-1.5	18	4.4	2.5	3	9.7	8	18	-7	0.7	9.2	6.4	2.7	45.8	8	11	1.22	0.14	-0.51	0.23	
															81	85	83	82	82	82	82	81	81	80	80	81	81	81	81	82	81	81	81	81	81		
JOLA250013	13	JH 220057			97	109	106	99	106	112	111	100	110	94	105	94	114	99	109	106	111	102	105	96	110	72	99	97	112	103	89	97	94	87	95	92	
6020066301		JH 220102			50	50	40	40	30	39	47	40	39	37	11	0.77	-1.7	6	4.1	1.9	12	4.9	4	-12	-20	-1.0	1.5	0.9	-2.3	32.6	-4	-1	-0.41	-1.35	-0.53	-0.10	
															27	53	46	40	50	40	43	26	39	8	22	43	30	19	40	42	37	35	39	35	37		
JOLA250014	4	FN 190178			105	99	94	93	119	108	94	116	113	111	110	109	101	106	99	94	92	101	115	99	112	116	111	107	124	111	98	107	114	108	107	115	
99548190		FN 180018			56	43	35	36	37	38	43	29	35	25	15	-0.20	-0.4	12	1.0	-1.0	-31	4.6	19	-7	-23	0.9	7.6	-5.6	-4.5	39.1	1	5	0.97	0.73	0.20	0.20	
															33	58	49	36	43	35	38	29	29	21	13	30	29	38	26	46	24	26	24	25			
JOLA250019	16	SVB 210145			100	98	89	103	104	98	93	106	100	109	99	99	98	96	98	89	92	101	109	104	113	120	97	108	96	112	91	97	96	119	109	99	
6020066319		SVB 220037			60	36	33	33	31	36	39	30	34	29	6	0.44	-0.2	3	0.7	-2.1	-30	4.6	10	0	-25	1.1	0.6	-5.8	0.7	39.8	-3	-1	-0.27	1.83	0.32	-0.01	
															30	67	48	33	36	33	34	28	30	15	25	33	32	31	22	41	32	30	28	30	28	29	
MOS 250401	1	PRB 180015			94	115	91	85	122	113	104	107	113	113	121	100	95	116	115	91	96	113	109	95	105	108	102	125	117	104	125	121	126	94	100	124	
98793060		MOS 220415			66	59	44	44	40	47	56	36	44	33	24	0.33	0.1	21	6.1	-1.6	-21	11.1	10	-14	-10	0.6	3.2	-17.1	-3.3	33.4	16	14	1.73	-0.65	-0.24	0.31	
															37	73	57	44	59	44	49	41	35	29	16	38	36	44	26	49	35	33	31	35	32	33	
JOLA260003	3	PRB 210054			98	114	101	81	101	102	108	126	111	133	128	103	102	122	114	101	101	115	127	96	123	131	118	110	87	106	124	127	123	115	114	124	
6020177165		BU 210032			85	84	83	83	82	75	84	83	77	81	30	0.18	-0.5	26	5.9	0.8	-11	12.3	36	-13	-45	1.5	11.2	-7.4	2.4	35.7	16	17	1.52	1.35	0.61	0.31	
															83	86	84	83	84	83	83	82	83	81	81	84	83	82	81	84	83	83	81	81	81	81	
JOLA260006		PRB 210054			81	114	89	89	100	91	100	109	95	111	113	87	86	111	114	89	96	114	110	107	111	131	102	109	94	103	117	106	110	98	103	109	
6020334741		KJB 190198			61	44	39	43	35	41	46	38	40	23	18	1.19	1.0	17	5.9	-2.1	-21	11.9	11	5	-22	1.6	2.9	-6.4	1.0	32.8	12	4	0.66	-0.29	-0.06	0.12	
															40	66	53	43	44	39	42	35	36	15	15	43	41	36	25	45	40	35	22	24	22	23	

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 %
FPL 150034 81879504		BAR 120128 FPL 070030			82 91	105 87	83 88	126 88	103 84	102 79	101 88	97 84	100 80	87 84	77 -13 87	84 1.42 89	72 2.3 91	76 -14 88	105 3.0 87	83 -3.5 88	101 -10 88	105 6.7 84	99 -4 83	94 -15 81	88 24 81	100 0.2 85	83 -6.6 84	103 -2.9 83	103 -0.6 82	102 32.0 86	88 -5 84	89 -6 83	68 -2.09 83	103 0.18 84	94 -0.57 83	70 -0.38 84
GB 150029 82446204		CFH 080063 GB 080002			114 92	88 88	63 89	104 89	118 87	95 80	73 89	86 86	90 82	86 86	89 -3 89	109 -0.26 91	118 -2.1 91	96 4 89	88 -2.6 88	63 -8.3 89	64 -92 89	86 -3.7 86	84 -28 86	133 44 84	83 34 84	127 1.4 87	107 5.5 87	115 -10.5 86	110 -2.0 85	115 42.5 89	102 3 87	89 -6 86	106 0.43 86	125 2.33 86	85 -1.11 86	109 0.12 86
PT 150002 83554832		PT 120015 BAR 120100			120 63	74 53	67 62	114 68	101 43	81 51	65 58	78 30	75 45	77 25	91 -1 61	115 -0.62 58	119 -2.2 66	90 -2 68	74 -7.2 53	67 -7.2 62	59 -102 61	76 -9.3 37	77 -38 30	69 -53 16	72 56 15	85 -0.4 33	75 -10.8 32	93 3.3 40	110 -2.0 26	100 30.2 62	80 -10 31	74 -15 29	79 -1.37 24	98 -0.25 26	109 0.30 24	79 -0.26 25
BA 170725 88959556	1	BA 120324 BA 100230			119 90	79 85	65 86	131 87	104 85	96 78	76 86	75 83	87 80	72 82	74 -16 87	119 -0.86 89	124 -2.6 89	71 -19 87	79 -5.5 85	65 -7.8 86	68 -84 86	82 -6.2 83	80 -33 83	97 -10 82	87 27 82	100 0.2 83	97 0.7 83	102 -1.9 85	102 -0.4 83	112 40.1 87	89 -5 83	83 -10 83	73 -1.78 82	85 -1.57 82	82 -1.30 82	71 -0.36 82
BOS 180239 88645338	1	BOS 150219 BOS 130233			109 50	101 41	89 38	104 38	106 40	107 38	99 42	119 26	113 34	109 24	91 -1 33	102 0.22 49	109 -1.2 46	95 3 38	101 1.5 41	89 -2.1 38	94 -26 39	105 6.7 30	118 23 26	112 12 14	116 -30 14	93 -0.1 29	105 4.4 28	105 -4.3 40	105 -0.9 26	106 35.5 54	102 3 28	106 4 25	102 0.15 23	114 1.34 25	111 0.40 23	104 0.06 24
BU 180095 87340402		MHB 090031 CFH 130340			92 88	113 87	99 86	71 87	58 83	63 78	103 87	132 84	79 80	119 81	143 42 87	94 0.77 88	107 -1.0 88	138 40 87	113 5.6 87	99 0.3 86	93 -28 87	120 14.9 84	125 34 83	110 10 80	120 -39 80	74 -0.8 85	92 -2.1 84	55 27.8 83	61 7.2 81	105 34.2 85	136 23 84	129 19 83	103 0.23 81	83 -1.72 81	99 -0.29 81	101 0.02 81
FN 180018 87375044		FN 110100 FN 130076			98 72	88 64	102 50	99 53	107 53	92 54	86 62	101 38	93 49	89 34	96 3 47	97 0.52 68	97 -0.1 67	99 6 53	88 -2.6 64	102 1.0 50	94 -27 56	93 0.0 39	98 -7 38	103 -1 20	98 5 19	112 0.7 42	103 3.3 41	96 1.7 56	118 -3.5 38	102 32.1 64	74 -13 40	85 -9 37	103 0.23 32	101 0.06 35	111 0.41 32	103 0.04 34
HOL 180030 88545371		D 100013 BH 160016			89 73	90 68	115 66	116 72	119 49	112 59	99 69	109 42	113 54	96 36	79 -11 66	93 0.80 69	81 1.5 74	86 -5 72	90 -2.1 68	115 4.1 66	112 14 69	100 4.1 52	110 11 41	119 23 14	109 -18 29	107 0.5 49	96 -0.1 46	105 -4.1 53	126 -4.9 33	105 34.7 62	115 11 45	102 2 39	77 -1.50 34	116 1.47 38	90 -0.82 34	81 -0.25 36
KJB 190198 89772065	5	CI 070034 MXM 120165			98 90	104 88	86 87	88 88	105 87	94 79	92 88	107 85	96 81	93 84	109 14 88	103 0.17 90	98 -0.2 90	113 18 88	104 2.7 88	86 -2.8 87	87 -42 88	104 6.2 86	113 16 85	131 40 83	115 -30 83	90 -0.2 85	87 -4.8 85	110 -7.4 87	104 -0.8 85	100 30.3 88	119 13 85	104 3 85	103 0.23 84	79 -2.10 84	94 -0.60 84	100 0.00 84
PB 190074 89417786	5	PB 130028 PB 170033			88 89	89 88	92 87	124 88	80 84	78 79	89 88	91 83	77 80	85 83	85 -6 83	96 0.60 89	70 2.5 88	78 -12 88	89 -2.3 88	92 -1.5 87	95 -24 88	96 1.5 82	86 -24 83	111 11 82	79 43 83	135 1.7 84	88 -3.9 84	86 7.9 84	74 4.8 82	98 28.6 86	88 -5 84	87 -7 83	105 0.36 83	97 -0.39 83	79 -1.50 83	104 0.05 83
ZIP 190073 89373526	4	FPL 150070 FPL 160069			112 87	85 86	90 84	121 86	109 82	106 77	90 86	95 82	103 78	87 82	78 -12 81	109 -0.25 87	100 -0.4 87	81 -9 86	85 -3.5 86	90 -1.8 84	90 -35 85	88 -2.4 83	92 -16 82	108 6 79	96 9 80	86 -0.4 82	97 0.6 82	115 -10.5 82	107 -1.5 80	101 31.6 84	83 -8 82	91 -5 81	90 -0.66 81	107 0.61 82	152 2.88 81	91 -0.11 82
GF 200160 90519810		MC 150183 GF 170307			99 88	99 84	106 83	89 84	108 83	100 76	98 84	96 82	98 78	93 82	107 13 83	100 0.38 88	102 -0.5 86	110 16 84	99 1.0 84	106 1.9 83	100 -13 84	106 7.5 82	102 -1 82	117 20 81	97 7 81	117 1.0 82	93 -1.8 82	109 -6.5 83	104 -0.9 81	97 27.8 84	108 7 82	104 3 82	86 -0.89 81	97 -0.35 82	122 1.06 81	87 -0.17 82

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	Inbreeding	Genomic	Index	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 %
Animal no	%	Parentage	EBV Acc																																
HOL 200009 90222035		MC 160100 FN 150119		98 91	89 89	105 87	105 87	112 87	102 80	92 89	104 86	102 82	78 86	92 -1	104 0.10	88 0.7	93 1	89 -2.4	105 1.8	100 -14	93 -0.2	107 8	117 20	111 -22	101 0.3	122 13.1	114 -9.9	108 -1.6	104 34.0	100 2	95 -2	86 -0.90	75 -2.52	102 -0.13	83 -0.22
MOS 200252 91162347		BH 150314 D 140148		91 88	81 87	104 86	108 87	118 84	96 78	82 87	82 81	89 79	90 81	95 3	97 0.57	82 1.3	92 0	81 -4.8	104 1.5	94 -26	82 -5.9	86 -23	92 -18	88 25	92 -0.1	81 -7.5	118 -12.2	116 -3.0	102 32.5	89 -4	90 -6	103 0.19	105 0.42	117 0.75	103 0.04
NBOR200012 91056101		W 130325 C 160019		113 85	106 81	97 81	99 81	106 81	115 74	108 82	114 81	118 76	111 80	103 9	114 -0.55	105 -0.9	100 7	106 3.3	97 -0.3	102 -9	102 5.2	115 19	100 -6	114 -27	97 0.1	104 3.8	105 -4.0	102 -0.4	101 31.5	122 15	119 12	102 0.15	91 -0.97	94 -0.57	101 0.01
ZIP 200013 90000092		CFH 140100 FPL 090073		108 72	97 69	131 62	102 71	101 42	117 58	117 69	117 48	120 55	108 46	94 2	111 -0.34	99 -0.3	95 2	97 0.4	131 7.9	126 44	98 2.6	113 16	116 19	116 -31	138 1.8	98 1.2	109 -6.5	99 0.1	92 24.0	156 34	130 19	115 1.03	121 2.02	84 -1.18	118 0.23
BU 210032 91713107		B 070052 BU 140178		112 91	117 90	105 89	87 90	121 88	131 81	120 90	123 88	136 83	128 86	116 20	112 -0.39	111 -1.5	113 19	117 6.8	105 1.7	109 8	120 15.3	129 39	111 11	123 -45	77 -0.8	116 10.1	132 -21.2	104 -0.8	107 35.9	121 14	132 20	119 1.27	115 1.36	108 0.24	121 0.27
JJP 210014 92774918	5	JJP 160508 JJP 150004		101 68	111 49	106 44	81 48	71 37	83 45	108 51	106 27	87 40	108 23	123 26	103 0.16	105 -0.9	122 26	111 4.8	106 1.9	102 -8	110 9.3	102 0	98 -9	99 2	94 0.0	114 9.3	55 28.0	89 2.0	103 32.7	94 -1	94 -3	115 1.00	100 -0.05	91 -0.79	114 0.18
PB 210007 91553305		PT 140007 PB 140005		83 87	103 86	102 85	86 86	101 82	87 77	94 86	107 81	91 78	97 80	110 15	89 1.04	88 0.8	114 19	103 2.4	102 0.9	98 -18	109 8.9	125 34	90 -21	121 -41	71 -1.0	106 5.0	98 0.1	103 -0.7	106 35.7	113 9	116 11	102 0.17	66 -3.36	84 -1.20	97 -0.03
PB 210123 92807205		S 150019 PB 180051		105 86	92 85	88 82	107 83	83 81	83 75	89 84	97 80	83 76	85 80	87 -4	101 0.30	103 -0.7	93 1	92 -1.2	88 -2.4	88 -39	92 -0.3	97 -8	109 7	92 17	106 0.5	95 -0.4	78 13.2	90 1.7	106 35.1	97 0	93 -4	86 -0.92	98 -0.26	89 -0.90	86 -0.18
BU 220026 93270197		BU 140160 SPJ 190026		122 87	63 86	132 84	120 84	112 83	110 77	89 86	76 83	99 79	71 81	80 -10	133 -1.77	106 -1.0	80 -10	63 -11.0	132 8.1	109 8	71 -12.2	69 -49	147 65	59 82	124 1.2	75 -10.6	117 -11.6	97 0.4	114 41.9	67 -17	80 -12	98 -0.12	92 -0.83	102 -0.09	96 -0.05
CCL 220092 94757556		WJ 180175 CCL 190013		117 52	89 25	91 25	111 28	101 37	102 31	92 30			95 15	93 1	114 -0.53	109 -1.2	91 -1	89 -2.4	91 -1.6	89 -37	89 -2.2	101 -2	103 -1	102 -4	99 0.2	97 0.6	105 -4.4	97 0.5	102 32.5	97 0	96 -2	98 -0.13	105 0.38	100 -0.24	98 -0.02
GB 220002 93432755		GB 180041 GB 190018		109 85	104 83	100 81	117 80	87 80	109 74	114 83	85 80	101 76	92 80	90 -2	104 0.11	111 -1.5	86 -6	104 2.7	100 0.6	110 10	100 4.2	93 -14	66 -58	86 28	105 0.5	101 2.7	92 4.1	80 3.7	111 39.6	83 -8	92 -4	113 0.84	110 0.95	105 0.07	113 0.17
HOL 220125 94752870		MC 160100 HJ 130040		100 87	93 85	122 84	90 84	101 84	98 76	100 85	101 83	98 78	100 83	105 11	105 0.01	97 -0.1	108 13	93 -1.0	122 5.8	109 7	96 1.7	99 -4	107 5	96 8	104 0.4	125 14.5	102 -2.2	98 0.3	104 33.6	102 3	106 4	121 83	77 83	86 83	116 0.21

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	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 %
			Sire ID Dam ID																																
JH 220102 94105947			JH 160045 JH 120024	89	110	110	117	107	121	120	90	114	80	91	91	118	85	110	110	123	103	89	102	95	64	89	98	115	98	68	80	89	84	87	87
				89	88	86	86	84	78	88	85	80	84	-1	0.91	-2.1	-6	4.7	2.8	37	5.5	-19	-3	10	-1.3	-3.7	0.6	-2.9	29.3	-17	-11	-0.73	-1.59	-1.02	-0.17
														83	89	88	86	88	86	87	83	85	82	83	85	85	84	82	86	85	84	84	84	84	
MOS 220415 94182201		FN 110229 E 200005		91	110	81	92	131	112	95	119	117	115	116	95	92	108	110	81	89	115	119	118	115	106	118	130	125	109	112	115	113	111	103	114
				72	69	52	53	47	55	65	43	51	36	20	0.69	0.4	14	4.6	-4.0	-37	12.3	24	21	-29	0.5	10.9	-20.2	-4.7	37.5	9	10	0.86	1.04	-0.05	0.18
														42	73	65	53	69	52	58	51	42	36	16	43	40	54	32	56	40	36	35	38	35	36
NBOR220013 94357332	4	MC 130043 MC 130015		98	90	75	117	112	96	82	91	93	87	82	95	94	87	90	75	79	95	97	98	105	77	117	114	117	96	84	85	100	105	97	101
				61	47	50	65	40	47	52	30	42	27	-8	0.69	0.2	-5	-1.8	-5.4	-60	1.1	-8	-9	-10	-0.7	10.5	-10.1	-3.3	27.7	-7	-8	0.05	0.46	-0.42	0.01
														28	66	60	65	47	50	54	28	30	12	11	35	33	41	25	54	32	29	25	29	25	27
SVB 220037 94790433	5	VST 130110 BOS 150269		90	110	89	100	103	101	103	111	105	113	100	86	97	99	110	89	99	112	113	108	117	114	99	101	99	111	93	100	99	119	107	102
				71	51	46	47	43	48	53	44	47	42	6	1.29	-0.1	6	4.6	-2.1	-16	10.9	16	6	-33	0.8	1.3	-1.7	0.1	39.5	-2	1	-0.02	1.75	0.18	0.03
														43	72	62	47	51	46	48	38	43	21	35	48	46	43	31	56	46	42	40	43	40	42
VST 220185 94025897	10	VST 180145 VST 180053		88	113	102	115	100	113	118	105	113	104	95	89	84	87	113	102	117	112	97	111	101	135	72	102	94	104	110	104	115	112	66	116
				65	66	49	51	38	50	61	44	48	44	2	1.05	1.1	-4	5.4	1.1	25	10.5	-8	11	-1	1.7	-12.4	-2.4	1.1	33.6	7	3	1.03	1.13	-2.27	0.21
														50	70	58	51	66	49	55	56	44	15	19	49	48	39	26	50	47	43	42	46	42	44
YF 220055 93273894	9	YF 180020 W 170557		92	125	124	78	106	120	129	112	122	120	126	95	100	124	125	124	123	120	120	82	119	120	108	104	102	108	134	131	131	78	116	126
				65	52	45	47	38	46	52	40	44	38	28	0.67	-0.4	28	9.4	6.2	38	15.0	26	-33	-37	1.1	6.0	-3.5	-0.4	37.2	22	20	2.04	-2.24	0.70	0.34
														36	69	57	47	52	45	48	34	39	15	36	46	44	37	26	52	42	38	35	40	35	38
WS 230195 94717253	9	WS 180121 WS 200114		102	102	106	95	93	98	104	111	102	99	109	99	105	103	102	106	105	102	113	114	108	110	96	87	92	113	109	106	100	105	92	101
				84	80	79	80	79	73	81	78	74	78	14	0.42	-0.8	9	1.8	2.0	-2	5.0	16	16	-16	0.6	0.1	7.6	1.4	41.2	7	4	0.01	0.43	-0.70	0.01
														79	85	82	80	80	79	80	78	78	77	77	78	78	79	78	81	78	78	78	78	78	78
DBC 240029 97508006	1	MS 090082 DBC 220001		95	82	117	116	92	90	94	95	89	92	88	109	72	86	82	117	108	90	95	97	91	102	87	96	87	97	97	95	103	104	101	103
				87	85	84	84	85	77	85	83	79	83	-4	-0.23	2.3	-5	-4.5	4.6	6	-1.6	-10	-10	18	0.3	-4.8	1.5	2.4	28.2	0	-3	0.20	0.36	-0.17	0.04
														84	87	86	84	85	84	84	84	83	83	83	83	83	85	84	86	83	83	83	83	83	83
DM 241593 97504468	2	JL 190015 BA 170725		126	80	56	128	116	104	73	85	97	70	73	128	135	75	80	56	59	81	91	105	95	98	92	113	111	121	96	86	68	84	81	67
				87	84	83	83	83	76	84	82	78	81	-16	-1.48	-3.7	-15	-5.1	-9.9	-103	-6.8	-16	2	11	0.1	-1.9	-9.1	-2.0	47.2	0	-8	-2.07	-1.64	-1.36	-0.42
														83	88	85	83	84	83	83	82	81	81	81	82	82	82	82	84	82	81	81	81	81	81
FN 240227 97958821	4	FN 190116 FN 180018		108	95	107	95	109	105	97	113	109	105	108	109	103	103	95	107	100	99	112	95	107	108	97	99	114	110	99	106	104	106	113	104
				65	46	38	39	39	42	47	30	38	27	13	-0.20	-0.7	10	-0.5	2.1	-13	3.2	15	-13	-13	0.6	0.7	-0.3	-2.6	38.2	1	4	0.26	0.56	0.52	0.06
														34	70	54	39	46	38	41	30	30	18	17	33	31	41	27	48	31	29	26	28	26	27
JOLA240003 98000250	1	DM 180002 GF 200160		118	92	84	86	98	87	82	103	89	113	111	121	111	115	92	84	77	96	110	111	101	115	87	93	102	100	112	113	99	120	124	102
				85	83	82	82	82	75	83	81	77	81	16	-0.98	-1.4	20	-1.5	-3.2	-64	1.6	11	11	-1	0.9	-4.6	3.7	-0.4	30.4	9	9	-0.03	1.85	1.19	0.03
														82	86	84	82	83	82	82	81	81	81	81	81	81	82	81	83	81	81	81	81	81	81
OLI 240008 96790332	1	PRB 180053 PT 150002		100	87	102	100	90	82	87	85	78	104	106	99	98	98	87	102	94	90	86	79	83	97	93	95	86	105	98	96	88	129	111	93
				62	52	45	46	36	44	52	34	41	32	11	0.39	-0.2	5	-3.0	1.0	-27	-1.4	-24	-38	34	0.1	-1.4	2.5	2.5	34.2	1	-2	-0.75	2.71	0.40	-0.08
														42	69	55	46	52	45	48	42	34	31	28	38	36	34	25	48	36	33	30	33	30	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																																	
BU 250160		BU 200030	200030	90	121	103	76	79	88	113	121	97	112	136	87	107	129	121	103	104	119	122	100	122	94	94	81	76	105	152	139	108	80	90	105	
99022998		BU 180095	180095	64	56	47	48	36	46	55	46	46	24	36	1.22	-1.0	32	8.1	1.3	-5	14.6	30	-6	-44	0.0	-1.1	11.2	4.4	34.5	32	25	0.54	-1.99	-0.81	0.07	
														47	71	57	48	56	47	50	46	45	17	14	52	50	37	24	49	44	23	25	23	24		
GB 250010	1	GB 210016	210016	114	99	93	106	96	104	101	100	103	103	98	108	114	93	99	93	96	99	103	90	102	99	120	96	96	107	92	97	110	105	98	110	
98404254		GB 220002	220002	62	48	34	32	25	38	46	32	36	32	5	-0.18	-1.7	1	1.0	-1.3	-21	3.6	1	-21	-4	0.2	12.3	1.3	0.7	36.1	-3	-1	0.66	0.46	-0.32	0.13	
														33	70	49	32	48	34	38	24	32	10	8	36	22	15	39	34	31	30	33	30	32		
GB 250011	1	NCT 210042	210042	92	116	81	84	92	89	100	114	95	107	116	85	109	119	116	81	89	113	109	139	109	125	108	85	96	108	119	110	113	104	80	113	
98404262		GB 150029	150029	64	45	45	46	35	43	49	42	43	42	20	1.34	-1.2	23	6.7	-4.0	-38	11.1	11	53	-17	1.3	6.3	8.5	0.7	37.1	13	7	0.87	0.36	-1.45	0.17	
														45	70	56	46	45	45	45	34	42	10	13	49	47	36	24	46	45	40	39	44	39	42	
JOLA250001	17	ZIP 190054	190054	111	80	94	123	103	99	86	99	98	83	76	108	99	79	80	94	90	83	96	103	99	89	91	103	105	107	89	93	109	104	143	108	
98581184		ZIP 190073	190073	85	86	83	83	82	76	85	83	78	83	-13	-0.15	-0.3	-11	-5.3	-0.8	-34	-5.5	-10	-2	3	-0.2	-2.7	-2.8	-0.9	36.1	-5	-3	0.58	0.29	2.31	0.11	
														81	86	84	83	86	83	84	84	83	80	81	84	83	82	81	84	83	83	83	83	83		
JOLA250005		VST 160093	160093	84	124	107	84	107	111	119	130	120	128	120	83	97	117	124	107	113	125	124	113	112	102	92	116	97	106	125	128	109	96	113	109	
98989684		NBOR200012	200012	83	81	81	81	80	73	81	80	75	80	23	1.44	-0.1	22	9.0	2.1	16	18.0	32	14	-24	0.3	-2.0	-11.0	0.5	35.1	16	18	0.64	-0.43	0.52	0.12	
														80	83	82	81	81	81	81	80	80	78	79	81	81	80	79	82	81	80	80	80	80		
JOLA250009	1	BWS 200061	200061	109	102	113	88	98	105	107	108	107	113	113	114	103	111	102	113	107	102	112	86	109	110	97	96	96	111	117	111	108	97	110	107	
99559056		YF 220055	220055	49	44	33	33	33	36	42	28	34	26	18	-0.58	-0.6	17	2.0	3.5	1	5.1	15	-27	-18	0.6	0.3	1.9	0.7	39.2	12	7	0.55	-0.36	0.35	0.10	
														28	55	42	33	44	33	37	25	28	12	21	31	30	32	22	44	29	27	25	28	25	26	
JOLA250010		MOS 200105	200105	87	106	102	91	110	100	100	90	96	118	110	94	87	108	106	102	102	105	92	93	87	107	95	98	112	114	93	109	117	106	113	117	
99559031		MOS 200252	200252	85	85	83	83	82	75	84	81	77	81	14	0.72	0.9	14	3.2	1.0	-9	6.6	-15	-17	26	0.5	-0.8	0.1	-2.3	41.9	-2	6	1.15	0.54	0.51	0.23	
														81	86	84	83	85	83	84	82	81	80	80	81	81	82	81	83	81	81	81	81	81		
JOLA250015	2	CFH 130266	130266	85	120	104	85	99	103	114	115	108	129	113	86	96	116	120	104	109	115	115	96	114	104	117	90	107	105	117	121	129	111	104	129	
99558579		HOL 220125	220125	59	53	39	40	37	43	50	42	43	42	17	1.28	0.0	21	7.9	1.4	7	12.5	19	-12	-26	0.4	10.7	5.3	-1.3	34.6	12	14	1.93	0.96	0.01	0.38	
														38	61	52	40	53	39	44	40	42	12	33	47	46	38	22	51	45	41	40	44	40	42	
JOLA250016	5	JRS 200005	200005	109	96	86	102	98	94	91			97	97	104	108	97	96	86	87	97	98	104	98	100	94	98	98	102	95	93	99	104	100	100	
99548208		CCL 220092	220092	44	22	22	23	31	26	26			14	4	0.08	-1.1	4	-0.1	-2.8	-41	2.2	-6	0	4	0.2	-1.2	0.5	0.4	32.1	-1	-4	-0.02	0.32	-0.21	0.00	
														20	45	37	23	22	22	22	15	14	6	8	16	16	34	21	39	15	14	13	14	13	14	
JOLA260001	3	GB 200011	200011	101	98	97	102	122	113	97	87	106	97	88	98	102	97	98	97	98	102	78	124	70	129	116	117	112	119	87	86	120	134	76	124	
6020067416		GB 150029	150029	87	84	83	83	82	76	84	82	78	82	-4	0.50	-0.6	4	0.7	-0.1	-17	5.0	-35	30	60	1.5	10.1	-12.1	-2.3	46.0	-5	-8	1.36	3.22	-1.67	0.31	
														83	88	85	83	84	83	83	82	82	80	80	83	83	82	81	84	83	82	82	83	82	82	
JOLA260002	1	GB 210016	210016	107	100	89	109	96	100	99	102	101	108	95	107	98	92	100	89	95	102	105	95	106	98	118	97	96	106	97	99	101	118	107	104	
6020067598		GB 220002	220002	86	84	82	82	81	75	84	82	77	82	2	-0.11	-0.2	0	1.2	-2.0	-25	4.9	4	-14	-11	0.2	11.3	1.1	0.6	35.5	0	0	0.10	1.66	0.21	0.05	
														82	87	84	82	84	82	83	81	82	80	80	82	82	81	80	83	82	81	81	82	81	82	
JOLA260005		PRB 210054	210054	76	112	97	88	99	88	99	109	92	113	114	83	82	112	112	97	100	115	116	87	114	122	111	103	94	106	114	112	109	91	98	108	
6020305386		PB 210007	210007	60	44	42	44	31	41	47	36	40	24	18	1.45	1.3	17	5.1	-0.3	-13	12.2	20	-26	-27	1.2	7.8	-2.7	1.1	35.6	10	8	0.63	-0.93	-0.36	0.10	
														32	66	53	44	44	42	43	26	36	13	19	44	41	31	20	43	40	34	23	26	23	24	

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 Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %
JOLA260008 6020625213	1	PRB 210054 ZIP 190073			93 59	100 43	91 40	104 43	102 31	95 40	95 45	104 38	97 39	108 26	98 5	96 0.61	89 0.7	95 3	100 1.5	91 -1.7	95 -24	103 5.4	99 -5	96 -12	101 -2	130 1.5	107 5.6	111 -8.0	96 0.7	104 33.5	99 1	99 0	103 0.21	112 1.06	139 2.07	105 0.06
JOLA260009 6020628183		PRB 210054 PB 210123			89 58	104 43	89 34	98 35	89 30	84 37	95 43	104 34	88 36	107 21	103 9	91 0.92	90 0.6	101 8	104 2.7	89 -2.0	94 -26	105 6.7	102 -1	96 -12	99 2	140 1.9	106 5.1	92 3.9	87 2.3	106 35.3	106 5	100 1	101 0.08	107 0.63	100 -0.21	102 0.03

Selection List on Cow Value

Bulls 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	Acc										
										★★★★★																				
1	IYD 200004	OSCAR	DM 160005	DM 170052	3.7	HH	0	0	0		83	87	123	87	109	85	87	85	107	84	113	77	120	86	110	86	115	80	133	86
2	MOS 200307	MOS 200307	MXM 150505	MXM 150012	0.0						86	66	111	45	100	40	90	41	123	37	112	42	104	47					98	16
3	NBOR230046	NBOR230046	D 140139	NBOR200012	0.0	HH	0	0	0		90	86	126	84	80	83	82	83	117	83	111	76	108	84	117	82	115	78	120	82
										★★★★☆																				
1	GB 240017	ZIMO	GB 200011	GB 150029	3.0						114	67	82	51	94	45	105	46	117	36	102	45	82	52	91	42	98	44	96	41
										★★★★																				
1	JOLA240001	MBAKS	HS 190015	FPL 150034	0.7	HH	0	0	0		96	85	93	84	111	84	120	84	86	82	96	75	104	84	98	83	96	77	91	82
										★★★★☆																				
1	BH 210076	CARLOS	BH 110020	C 120025	1.6						89	61	107	53	91	52	91	53	93	50	86	49	96	54	115	32	93	44	115	30
2	GF 230392	GF 230392	DM 180002	GF 200160	1.2	HH	0	0	0		133	89	80	86	87	86	91	87	95	85	87	78	78	87	101	85	89	80	99	85
3	JOLA240002	NUR	ENJ 190052	PB 210123	1.3						105	54	87	56	83	34	113	33	84	31	80	40	83	49	90	20	78	34	81	18
4	JOLA240004	SALAAM	HOT 140019	JJP 210014	0.6	HH	0	0	0		84	88	109	86	108	86	94	86	76	85	83	78	107	86	88	85	80	80	103	85

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	BU 210032	JACKIE	B 070052	BU 140178	0.4	HH	0	0	0		112 91	117 90	105 89	87 90	121 88	131 81	120 90	123 88	136 83	128 86
											★★★★★★☆									
1	JH 220102	JH220102	JH 160045	JH 120024	0.3	PcH	0	0	0		89 89	110 88	110 86	117 86	107 84	121 78	120 88	90 85	114 80	80 84
2	YF 220055	BLONDE 3	YF 180020	W 170557	8.6						92 65	125 52	124 45	78 47	106 38	120 46	129 52	112 40	122 44	120 38
											★★★★★★									
1	BU 220026	DEBBIE	BU 140160	SPJ 190026	0.6	HH	0	0	0		122 87	63 86	132 84	120 84	112 83	110 77	89 86	76 83	99 79	71 81
2	HOL 180030	BABKA	D 100013	BH 160016	0.0						89 73	90 68	115 66	116 72	119 49	112 59	99 69	109 42	113 54	96 36
3	MOS 220415	DAKOTA	FN 110229	E 200005	0.0						91 72	110 69	81 52	92 53	131 47	112 55	95 65	119 43	117 51	115 36
4	NBOR200012	LUPITA	W 130325	C 160019	1.0	HH	0	0	0		113 85	106 81	97 81	99 81	106 81	115 74	108 82	114 81	118 76	111 80
5	VST 220185	HOPE	VST 180145	VST 180053	9.9						88 65	113 66	102 49	115 51	100 38	113 50	118 61	105 44	113 48	104 44
6	ZIP 200013	ELITE	CFH 140100	FPL 090073	0.4						108 72	97 69	131 62	102 71	101 42	117 58	117 69	117 48	120 55	108 46
											★★★★★★☆									
1	BOS 180239	NAOMI	BOS 150219	BOS 130233	0.9						109 50	101 41	89 38	104 38	106 40	107 38	99 42	119 26	113 34	109 24
2	CCL 220092	CCL 220092	WJ 180175	CCL 190013	0.2						117 52	89 25	91 25	111 28	101 37	102 31	92 30			95 15
3	DM 241593	DM 241593	JL 190015	BA 170725	1.9	HH	0	0	0		126 87	80 84	56 83	128 83	116 83	104 76	73 84	85 82	97 78	70 81
4	FN 240227	FN 24 227	FN 190116	FN 180018	4.3						108 65	95 46	107 38	95 39	109 39	105 42	97 47	113 30	109 38	105 27
5	FPL 150034	LITTLE PUNCH	BAR 120128	FPL 070030	0.0	HH	0	0	0		82 91	105 87	83 88	126 88	103 84	102 79	101 88	97 84	100 80	87 84
6	GB 220002	VUYI	GB 180041	GB 190018	6.7	HH	0	0	0		109 85	104 83	100 81	117 80	87 80	109 74	114 83	85 80	101 76	92 80
7	GF 200160	GF 200160	MC 150183	GF 170307	0.1	HH	0	0	0		99 88	99 84	106 83	89 84	108 83	100 76	98 84	96 82	98 78	93 82
8	HOL 200009	FRANCISCA	MC 160100	FN 150119	0.0	HH	0	0	0		98 91	89 89	105 87	105 87	112 87	102 80	92 89	104 86	102 82	78 86
9	SVB 220037	SVB220037	VST 130110	BOS 150269	4.7						90 71	110 51	89 46	100 47	103 43	101 48	103 53	111 44	105 47	113 42
10	ZIP 190073	BILLING	FPL 150070	FPL 160069	3.7	HH	0	0	0		112 87	85 86	90 84	121 86	109 82	106 77	90 86	95 82	103 78	87 82
											★★★★									

Selection List on Cow Value

Cows 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	BA 170725	KPO	BA 120324	BA 100230	1.5	HH	0	0	0		119	90	79	85	65	86	131	87	104	85	96	78	76	86	75	83	87	80	72	82
2	DBC 240029	DBC 240029	MS 090082	DBC 220001	1.2	HH	0	0	0		95	87	82	85	117	84	116	84	92	85	90	77	94	85	95	83	89	79	92	83
3	FN 180018	FN 18 18	FN 110100	FN 130076	0.0						98	72	88	64	102	50	99	53	107	53	92	54	86	62	101	38	93	49	89	34
4	GB 150029	NOZZY	CFH 080063	GB 080002	0.0	HH	0	0	0		114	92	88	88	63	89	104	89	118	87	95	80	73	89	86	86	90	82	86	86
5	HOL 220125	HAZEL	MC 160100	HJ 130040	1.8	HH	0	0	0		100	87	93	85	122	84	90	84	101	84	98	76	100	85	101	83	98	78	100	83
6	KJB 190198	KROONJUWEEL	CI 070034	MXM 120165	4.7	HH	0	0	0		98	90	104	88	86	87	88	88	105	87	94	79	92	88	107	85	96	81	93	84
7	MOS 200252	MOS 200252	BH 150314	D 140148	0.0	HH	0	0	0		91	88	81	87	104	86	108	87	118	84	96	78	82	87	82	81	89	79	90	81
8	NBOR220013	NBOR220013	MC 130043	MC 130015	3.9						98	61	90	47	75	50	117	65	112	40	96	47	82	52	91	30	93	42	87	27
9	WS 230195	WS230195	WS 180121	WS 200114	8.7	HH	0	0	0		102	84	102	80	106	79	95	80	93	79	98	73	104	81	111	78	102	74	99	78
											★★★★☆																			
1	JJP 210014	JJP 210014	JJP 160508	JJP 150004	4.8						101	68	111	49	106	44	81	48	71	37	83	45	108	51	106	27	87	40	108	23
2	JOLA240003	MBALI	DM 180002	GF 200160	1.2	HH	0	0	0		118	85	92	83	84	82	86	82	98	82	87	75	82	83	103	81	89	77	113	81
3	OLI 240008	ZENDAYA	PRB 180053	PT 150002	0.5						100	62	87	52	102	45	100	46	90	36	82	44	87	52	85	34	78	41	104	32
4	PB 210007	PB 210007	PT 140007	PB 140005	0.8	HH	0	0	0		83	87	103	86	102	85	86	86	101	82	87	77	94	86	107	81	91	78	97	80
5	PB 210123	PB 210123	S 150019	PB 180051	1.0	HH	0	0	0		105	86	92	85	88	82	107	83	83	81	83	75	89	84	97	80	83	76	85	80
6	PT 150002	PT 150002	PT 120015	BAR 120100	0.0						120	63	74	53	67	62	114	68	101	43	81	51	65	58	78	30	75	45	77	25
											★★★																			
1	PB 190074	PB 190074	PB 130028	PB 170033	5.1	HH	0	0	0		88	89	89	88	92	87	124	88	80	84	78	79	89	88	91	83	77	80	85	83
											★★★																			
1	BU 180095	LANI	MHB 090031	CFH 130340	0.2	HH	0	0	0		92	88	113	87	99	86	71	87	58	83	63	78	103	87	132	84	79	80	119	81

Selection List on Cow Value

Bull calves younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	Visual Score	% 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	JOLA250008	MBS	BWS 200079	KJB 190198	1.8	HH	0	0	0		105	85	91	83	94	83	99	83	128	83	110	75	88	83	100	82	108	77	95	82
2	JOLA250013	ABBA	JH 220057	JH 220102	13.3						97	50	109	50	106	40	99	40	106	30	112	39	111	47	100	40	110	39	94	37
3	MOS 250401	MOS250401	PRB 180015	MOS 220415	0.5						94	66	115	59	91	44	85	44	122	40	113	47	104	56	107	36	113	44	113	33
1	BU 250075	BU250075	BU 200030	BU 220026	3.5						125	62	83	55	118	41	97	40	106	34	108	43	97	52	94	42	105	43	88	21
2	HOL 250038	HOL250038	QT 160044	HOL 200009	0.3	HH	0	0	0		94	87	94	86	114	84	87	85	117	84	101	77	93	86	109	83	104	79	93	83
3	JOLA250003	KUMKANI	DBC 200037	PB 210007	1.2	HH	0	0	0		101	84	102	86	100	82	89	83	108	81	101	75	98	85	124	82	110	77	102	82
4	JOLA250006	RAMZA	BH 180490	NBOR220013	0.6	HH	0	0	0		90	84	88	84	97	82	125	83	112	82	103	75	92	84	92	81	99	77	99	81
5	JOLA250007	CASTRO	BAS 180210	HOL 180030	1.9	HH	0	0	0		73	85	121	85	126	83	77	83	106	82	106	75	120	84	124	84	114	78	134	83
6	JOLA250011	MWELI	NBOR180016	WS 230195	0.0	HH	0	0	0		110	84	110	82	109	82	87	82	93	81	106	74	113	82	108	81	107	76	122	81
7	JOLA250014	ZIZO	FN 190178	FN 180018	4.1						105	56	99	43	94	35	93	36	119	37	108	38	94	43	116	29	113	35	111	25
8	JOLA260003	SMANGISTO	PRB 210054	BU 210032	3.4	HH	0	0	0		98	85	114	84	101	83	81	83	101	82	102	75	108	84	126	83	111	77	133	81
1	JOLA250002	KENZO	JRS 170036	PB 190074	0.0	HH	0	0	0		98	83	105	85	85	81	103	81	97	80	96	74	97	84	78	82	88	76	85	82
2	JOLA250019	NDALO	SVB 210145	SVB 220037	15.8						100	60	98	36	89	33	103	33	104	31	98	36	93	39	106	30	100	34	109	29
3	JOLA260006	BULE	PRB 210054	KJB 190198	0.5						81	61	114	44	89	39	89	43	100	35	91	41	100	46	109	38	95	40	111	23

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				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	JOLA250005	MAMIZA	VST 160093	NBOR200012	0.1	HH	0	0	0		84	83	124	81	107	81	84	81	107	80	111	73	119	81	130	80	120	75	128	80
2	JOLA260001	YOLLY	GB 200011	GB 150029	3.0	HH	0	0	0		101	87	98	84	97	83	102	83	122	82	113	76	97	84	87	82	106	78	97	82
												★★★★★☆☆																		
1	GB 250010	SHAZZ	GB 210016	GB 220002	0.8						114	62	99	48	93	34	106	32	96	25	104	38	101	46	100	32	103	36	103	32
2	JOLA250009	MARI	BWS 200061	YF 220055	1.2						109	49	102	44	113	33	88	33	98	33	105	36	107	42	108	28	107	34	113	26
3	JOLA250010	AMARI	MOS 200105	MOS 200252	0.2	HH	0	0	0		87	85	106	85	102	83	91	83	110	82	100	75	100	84	90	81	96	77	118	81
4	JOLA250015	ZAZA	CFH 130266	HOL 220125	1.7						85	59	120	53	104	39	85	40	99	37	103	43	114	50	115	42	108	43	129	42
5	JOLA260002	NWABY	GB 210016	GB 220002	0.8	HH	0	0	0		107	86	100	84	89	82	109	82	96	81	100	75	99	84	102	82	101	77	108	82
												★★★★★																		
1	JOLA250001	MBASA	ZIP 190054	ZIP 190073	17.4	HH	0	0	0		111	85	80	86	94	83	123	83	103	82	99	76	86	85	99	83	98	78	83	83
2	JOLA250016	ZAN	JRS 200005	CCL 220092	5.4						109	44	96	22	86	22	102	23	98	31	94	26	91	26					97	14
3	JOLA260008	KHANYI	PRB 210054	ZIP 190073	1.0						93	59	100	43	91	40	104	43	102	31	95	40	95	45	104	38	97	39	108	26
												★★★★★☆☆																		
1	BU 250160	LANI	BU 200030	BU 180095	0.4						90	64	121	56	103	47	76	48	79	36	88	46	113	55	121	46	97	46	112	24
2	GB 250011	SHIBZA	NCT 210042	GB 150029	1.5						92	64	116	45	81	45	84	46	92	35	89	43	100	49	114	42	95	43	107	42
3	JOLA260005	SIBAHLE	PRB 210054	PB 210007	0.0						76	60	112	44	97	42	88	44	99	31	88	41	99	47	109	36	92	40	113	24
4	JOLA260009	BARAKAH	PRB 210054	PB 210123	0.3						89	58	104	43	89	34	98	35	89	30	84	37	95	43	104	34	88	36	107	21

