

BORAN

GENOMIC BREEDING VALUE REPORT

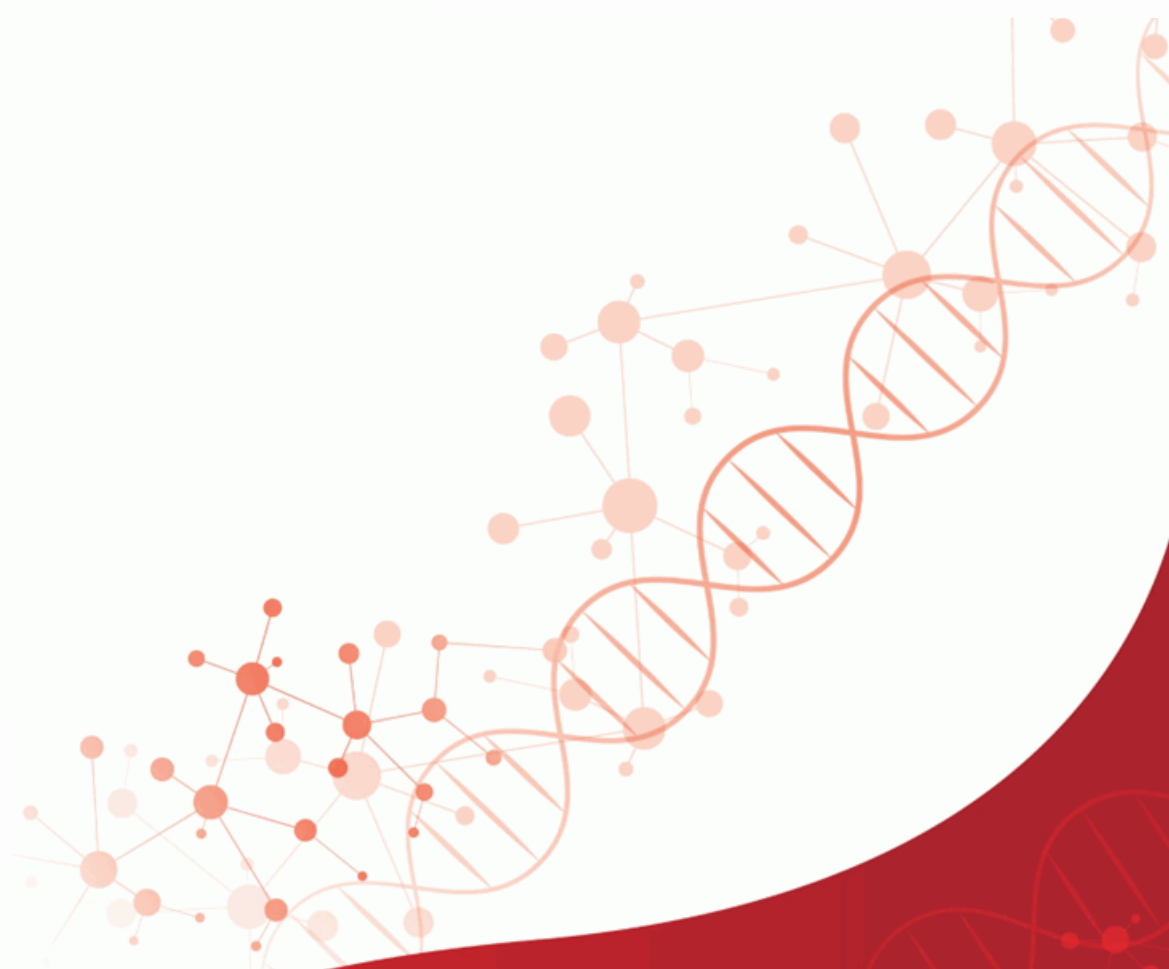
July 2026



BABAZEKA BORANS

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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

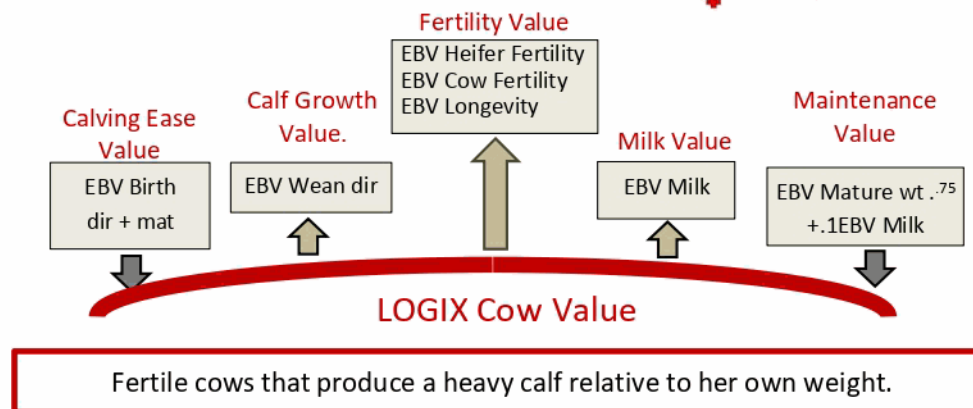
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100 tend to be in the more favourable direction.

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

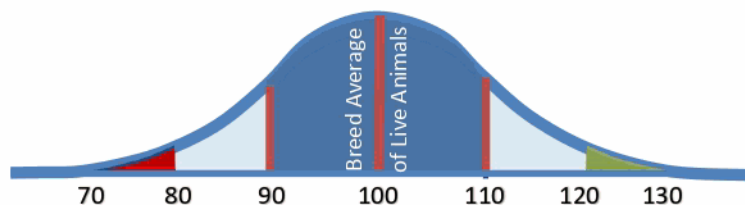
Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

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

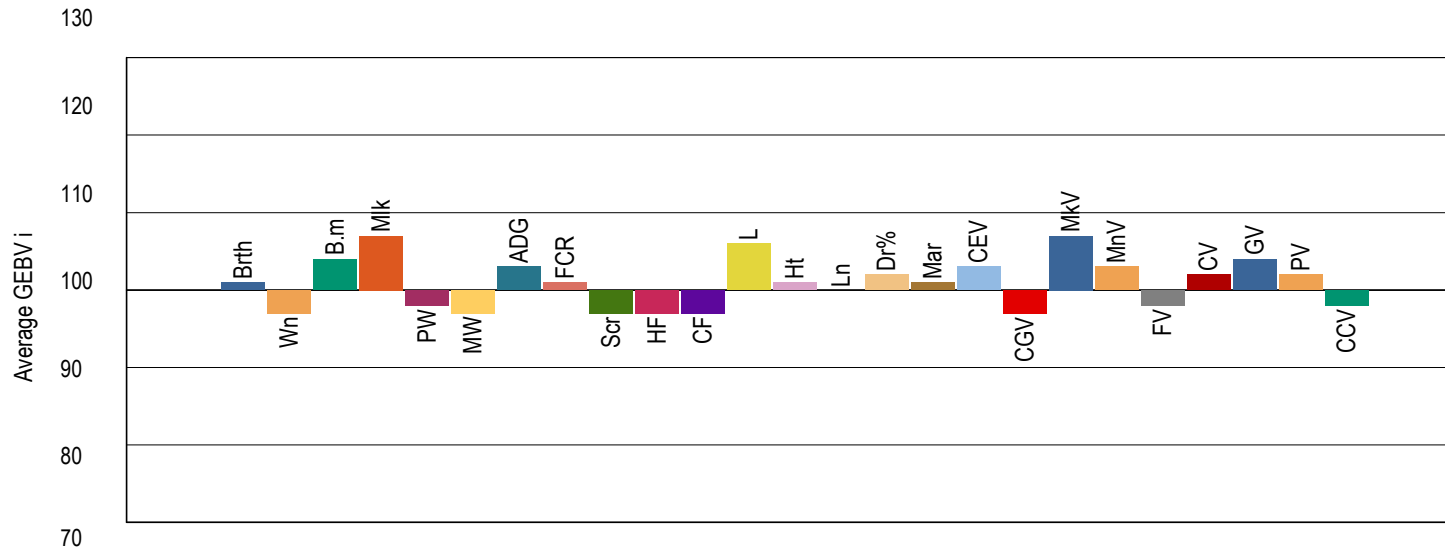


Examples

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	0.29	101	0.34
	Wean Weight	0.3	97	1.3
	Birth Mat.	-0.31	104	-0.20
	Milk (Wn.Mat.)	2.1	107	0.6
Postwean Growth	Postwean Wt	2.7	98	4.0
	Mature Weight	4	97	6
	ADG	1	103	-3
	FCR	-3	101	0
Fertility	Scrotal Circumf.	0.5	97	2.1
	Heifer Fertility	0.5	97	-1.1
	Cow Fertility	0.5	97	-0.1
	Longevity	35.4	106	30.4
Frame	Height	2	101	2
	Length	1	100	1
Carcass	Dressing%	0.02	102	0.00
	Marbling	-0.16	101	-0.25

Selection Value	Ave. Herd
Calving Ease	103
Calf Growth	97
Milk	107
Maintenance	103
Fertility	98
Cow Value	102
Growth Value	104
Production Value	102
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?:

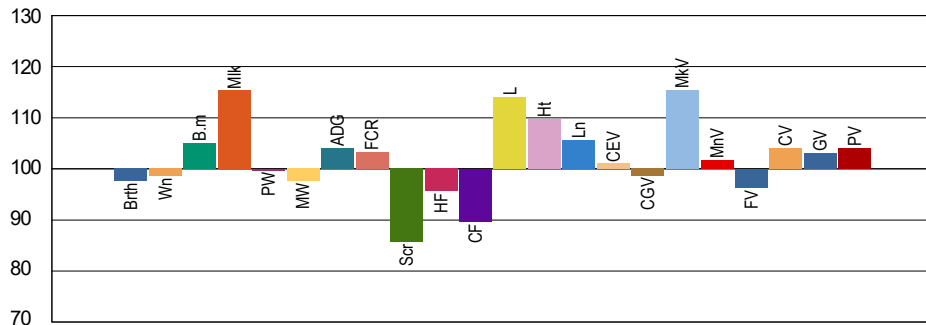
Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve earlier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

Genetic Windows

Bulls on the farm

Bulls born in 2023 and earlier

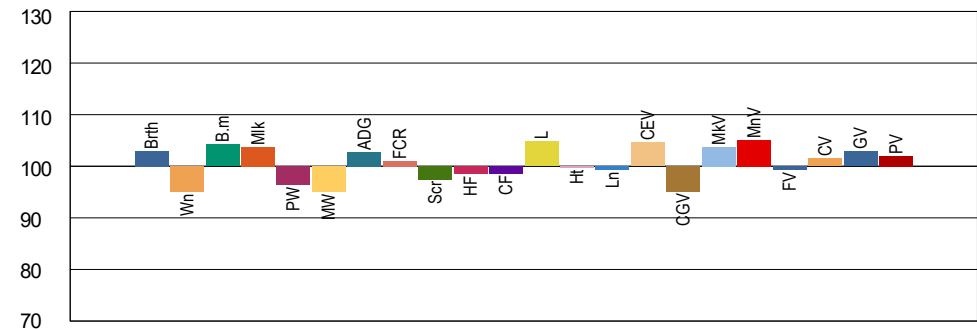
Total: 3



Cow Herd

Cows born in 2024 and earlier

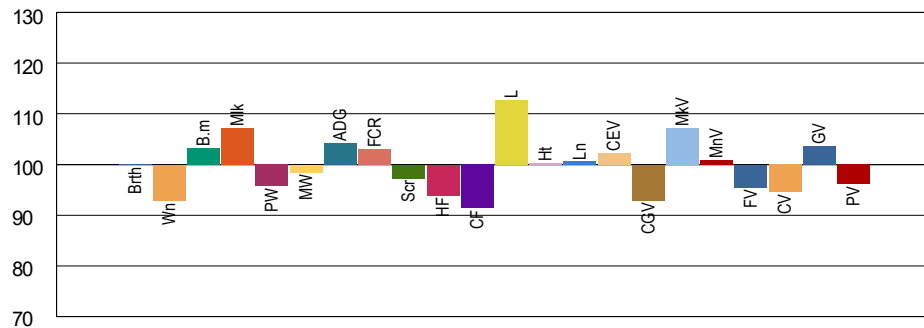
Total: 40



Sires of young animals

Sires of animals 3 years and younger

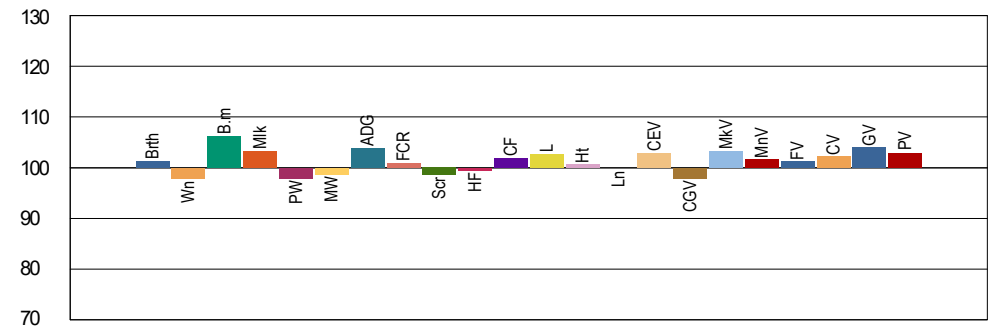
Total: 7



Cows older than 6 years

Cows born in 2020 and earlier

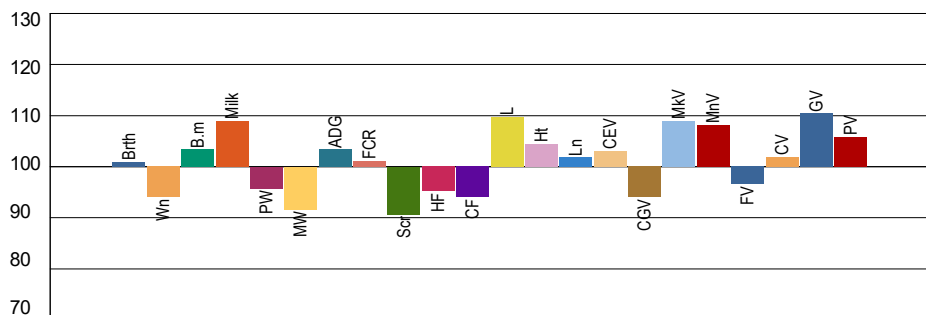
Total: 19



Bull calves

Bulls born in 2025

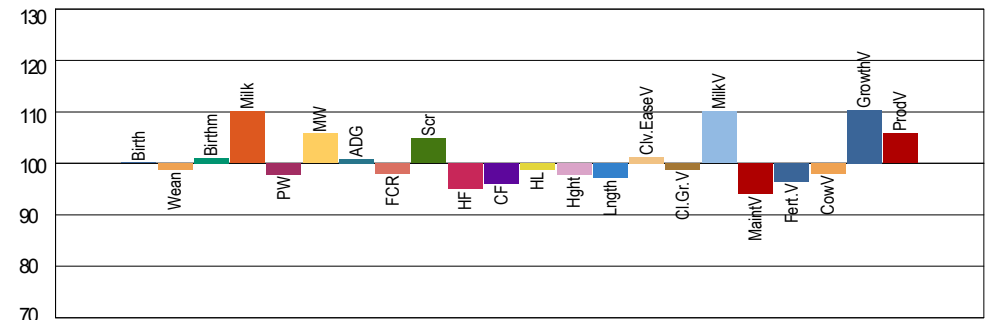
Total: 9



Heifer calves

Heifers born in 2025

Total: 8

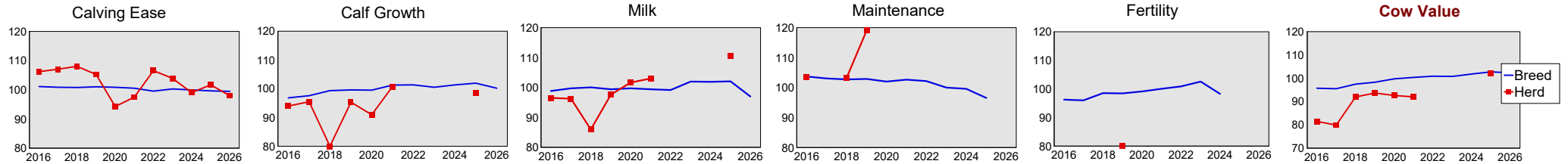


Summary of Cow Herd

			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
2013	2	★★★★★	114	88	107	109	120	117	120	122	113	88	110	107	98	91	116	118	106	121	112	107	109	106
2014	2	★★★★☆	98	104	117	77	81	84	99	85	96	104	101	117	100	127	104	94	75	83	79	99	109	108
2015	2	★★★★	106	94	99	121	81	96	94	94	102	94	109	99	95	76	90	76	81	88	85	92	89	91
2016	1	★★★★★	132	90	108	119	113	130	116	132	125	90	115	108	94	83	123	123	113	113	107	112	111	110
2017	1	★★★★★	122	72	93	131	119	113	102	111	137	72	123	93	77	69	101	108	103	116	123	99	92	99
2018	1	★★★★	111	104	104	84	95	98	134	111	107	104	122	104	101	118	133	120	115	89	99	108	103	105
2019	8	★★★★☆	98	102	99	100	103	102	100	101	96	102	103	99	98	101	100	98	103	97	106	103	100	98
2020	2	★★★★	85	104	110	93	105	98	98	98	84	104	100	110	109	106	100	103	100	105	103	109	97	95
2021	3	★★★★☆	99	100	102	106	99	103	104	103	100	100	96	102	101	94	102	98	103	101	96	107	92	97
2022	4	★★★★	107	80	101	127	91	94	96	94	109	80	93	101	85	74	95	92	89	94	92	100	95	92
2023	6	★★★★☆	111	91	105	106	98	101	101	102	109	91	104	105	93	94	105	106	98	96	96	108	103	102
2024	8	★★★★☆	105	97	106	102	101	103	103	102	101	97	108	106	99	98	103	104	96	100	98	109	101	100
2025	8	★★★★	101	99	110	94	97	98	110	106	100	99	101	110	98	106	101	98	105	95	96	99	98	97
2026	6	★★★★☆	97	105	112	92	97	101	104	103	94	105	104	112	105	107	105	103	97	94	94	109	108	107
Cows in Herd Average:			106	95	105	104	100	103	106	105	105	95	106	105	97	96	106	107	99	99	99	104	101	101

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.



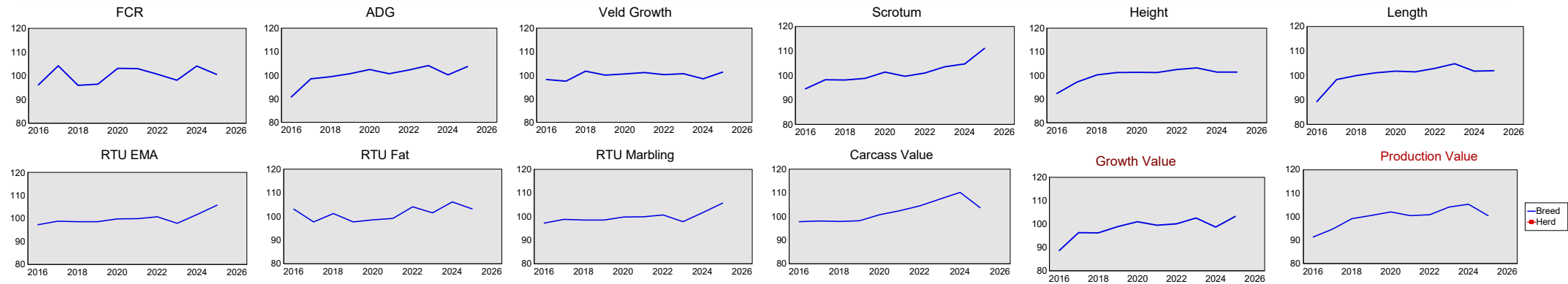
Herd

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		Ferti- lity		
	Number	Dir EBV			Number	EBV		Number	EBV	Milk	Number	EBV	Number		EBV	Number	EBV	Number	EBV	Number		EBV	
2016	6	0.09	-0.36	106	2	-0.7	94	2	-0.17	97	2	-2.2	104						4	22.7		82	
2017	8	-0.01	-0.28	107	4	-0.1	96	4	-0.29	96									6	23.8		80	
2018	8	-0.43	-0.46	108	3	-5.3	80	3	-2.63	86	3	-7.6	2	15	103				6	26.8		92	
2019	12	0.23	-0.43	105	3	-0.3	95	3	0.03	98			1	-8	119		1	1.8	10	31.9	79	94	
2020	11	0.88	-0.38	94	3	-1.6	91	3	1.01	102									8	32.7		93	
2021	7	0.86	-0.48	97	4	1.6	101	4	1.26	103									7	32.7		92	
2022	11	-0.16	-0.09	107																			
2023	8	0.24	-0.32	104																			
2024	13	0.59	-0.32	99																			
2025	20	0.36	-0.28	102	11	0.9	99	11	3.07	110												102	
2026	5	0.70	-0.35	98																			

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility							Cow Value
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity		
	Number	Dir EBV			Number	EBV		Number	EBV	Milk	Number	EBV	Number		EBV	Number	EBV	Number	EBV	Number		EBV	
2016	5443	0.22	-0.17	101	1281	0.3	97	1281	0.30	99	592	1.5	529	4	104	2172	-0.4	1452	-0.1	9915	20.3	96	96
2017	5493	0.24	-0.17	101	1761	0.6	98	1761	0.51	100	648	2.4	645	5	103	2361	0.3	1709	0.0	9981	21.6	96	96
2018	5384	0.25	-0.19	101	1835	1.1	99	1835	0.59	100	828	3.4	705	5	103	2243	-0.7	1770	-0.3	10158	23.2	99	98
2019	6007	0.24	-0.20	101	1830	1.2	100	1830	0.44	99	1030	3.8	811	3	103	2426	-0.9	1947	-0.1	10076	24.1	98	98
2020	6058	0.25	-0.20	101	2614	1.2	100	2614	0.52	100	1350	4.0	792	5	102	2471	-0.6	1888	-0.3	9672	25.3	99	100
2021	6281	0.29	-0.22	101	2943	1.8	101	2943	0.44	99	1176	4.9	775	4	103	2711	-1.1	1608	-0.2	9165	26.0	100	100
2022	7027	0.35	-0.20	100	3201	1.8	101	3201	0.39	99	1254	5.4	624	4	102	2510	-1.9	384	-0.6	2617	25.7	101	101
2023	7776	0.32	-0.21	100	3889	1.5	101	3889	1.04	102	1553	4.8	58	2	100	871	-2.2	2	0.0			103	101
2024	8869	0.34	-0.20	100	3825	1.8	101	3825	1.03	102	1509	4.9			100	4	-3.2					98	102
2025	9077	0.36	-0.19	100	3030	2.0	102	3030	1.07	102	169	7.5			97								103
2026	2487	0.35	-0.16	99	9	1.3	100	9	-0.13	97													102

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			
2017																												
2018																												
2019																												
2020																												
2021																												
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	-9	104	176	-5	99	447	-10	98	174	1.2	98	175	0	97	175	0	98	118	-0.21	97	-0.31	98	-0.32	99	98	96	95	
2018	48	8	96	375	-4	99	458	-4	102	379	1.2	98	375	2	100	375	1	100	240	0.08	101	0.04	101	-0.33	99	98	96	99	
2019	37	7	97	455	-2	101	563	-6	100	432	1.5	99	456	2	101	462	1	101	348	0.00	100	-0.31	98	-0.33	99	98	99	101	
2020	28	-6	103	580	1	102	722	-5	101	525	2.8	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	-2	101	642	-5	101	537	1.9	100	557	2	101	560	2	101	331	0.18	103	-0.17	99	-0.25	100	102	100	100	
2022	67	-2	101	476	1	102	795	-6	100	491	2.6	101	494	3	102	494	2	103	316	0.23	103	0.32	104	-0.21	101	104	100	101	
2023	29	3	98	476	3	104	1016	-5	101	510	3.9	104	508	4	103	510	4	105	195	0.58	109	0.07	102	-0.37	98	107	103	104	
2024	10	-9	104	435	-3	100	925	-9	98	412	4.4	105	411	3	101	412	2	102	159	0.56	108	0.52	106	-0.15	102	110	99	105	
2025	6	-2	101	12	3	104	151	-4	101	12	7.7	111	12	3	101	12	2	102	12	-0.19	97	0.24	103	0.09	106	104	103	100	
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	Valid growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Dress %	Birth	Wean	
ID				Grwth Test	Dght&clv (Weaned)																																
B 050098 63260004		K6K2997 8334		97 98	97 96	115 96	96 96	128 96	118 87	119 94	122 89	105 93	90 -2 95	97 0.53 98	123 -2.5 97	101 8 96	97 0.3 96	115 4.1 96	109 8 96	104 6.0 94	119 25 93	119 22 92	126 -52 92	80 -0.62 94	119 11.9 94	116 -11.1 96	139 -7.4 93	99 29.5 98	101 3 94	119 12.5 93	80 -1.31 93	78 -2.27 93	98 -0.38 93	78 -0.28 93	149 2	8 40	12
CFH 080413 68174697		N 040003 HVT 000001		99 93	100 68	96 69	133 72	92 72	109 68	99 54	107 64	94 42	73 -16 66	97 0.52 96	81 1.4 85	66 -22 72	100 1.5 68	96 -0.4 69	114 19 70	106 7.1 51	97 -8 53	106 3 21	101 -3 21	120 1.06 58	84 -5.7 56	108 -5.9 75	79 3.7 49	92 23.9 93	119 12 55	110 6.9 52	88 -0.79 40	95 -0.57 44	98 -0.37 40	88 -0.16 42	105 4	2 9	
CI 070127 66734765		TLM 040507 GF159U	D	107 97	89 93	121 94	92 94	89 91	92 84	98 85	91 84	100 84	96 3 91	102 0.20 97	110 -1.3 96	105 11 94	89 -2.1 93	121 5.6 94	107 4 94	89 -2.4 85	108 9 85	91 -20 80	96 7 80	98 0.13 86	130 17.3 86	117 -12.1 91	69 5.7 84	102 32.1 97	93 -2 85	98 -0.2 84	97 -0.39 83	98 -0.04 84	34 1	2 57	10		
CI 080030 66089541		TLM 040507 GF159U	D	110 99	97 99	103 99	88 99	71 98	78 89	103 98	81 92	113 98	117 20 99	110 -0.28 99	110 -1.3 99	112 17 99	97 0.3 99	103 1.4 99	95 -22 99	92 -0.8 98	107 7 98	83 -33 97	92 15 97	49 -1.95 99	100 2.0 98	86 7.9 98	59 7.6 98	103 32.5 99	84 -7 98	111 7.6 98	146 3.01 98	110 0.94 98	96 -0.51 98	144 0.57 98	157 40	119 116	40
DD 090008 69823367		GF 060004 HVT 040022		115 88	50 85	83 83	139 85	124 58	91 72	113 66	97 70	86 65	50 -35 75	147 -2.75 88	126 -2.8 87	58 -30 85	50 -15.1 85	83 -3.4 83	66 -88 84	70 -13.0 66	98 -5 65	106 3 9	88 24 13	108 0.53 75	102 3.2 73	117 -11.6 54	128 -5.3 34	100 30.6 87	72 -14 71	73 -16.2 63	132 2.09 61	89 -1.16 69	150 2.75 62	127 0.35 65	26 5	22 21	68
DVB 120005 74853201		TLM 050526 DVB 080007		114 78	98 72	96 62	86 68	78 56	82 62	131 50	96 58	110 42	113 17 66	110 -0.34 81	126 -2.8 74	115 20 68	98 0.7 72	96 -0.4 62	90 -35 67	95 1.4 46	128 38 50	96 -12 17	113 -27 30	100 0.21 53	108 6.0 52	61 23.6 54	99 0.1 41	99 29.6 72	95 -1 51	90 -5.8 49	100 -0.02 41	106 0.46 44	98 -0.36 42	101 0.01 42	16 3	8 4	
FN 070123 68297167		KPO786 ADC1092		109 89	105 55	109 61	118 69	99 65	121 61	118 45	125 56	108 43	81 -9 68	102 0.24 91	106 -0.9 82	84 -7 69	105 2.8 55	109 2.7 61	119 29 62	110 9.5 43	118 24 45	116 19 25	119 -38 28	107 0.50 47	108 6.0 46	92 4.0 46	103 -0.6 86	100 30.1 86	112 9 46	112 8.2 44	104 0.27 42	96 -0.43 44	95 -0.56 42	103 0.05 43	41 6	16 6	
FPL 120037 74680851		CI 070115 HOT 070007		132 83	95 81	106 75	110 76	97 60	119 68	111 60	120 66	97 56	85 -6 68	131 -1.66 84	124 -2.7 80	91 -1 76	95 -0.4 81	106 2.0 75	105 0 77	95 1.1 70	108 9 60	95 -14 21	96 8 29	92 -0.11 67	108 6.2 65	112 -8.9 59	87 2.3 41	93 25.0 80	104 4 63	103 2.8 58	107 0.44 53	108 0.70 58	115 0.66 54	107 0.09 56	19 2	16 8	21
FPL 130033 80263320		FPL 090055 HOT 070007		97 98	101 98	130 95	90 95	67 94	84 87	118 95	92 89	116 94	105 10 93	101 0.25 99	95 0.1 97	107 13 95	101 1.5 98	130 7.6 95	120 32 96	103 5.4 94	108 9 95	96 -12 92	102 -5 92	102 0.29 96	108 6.3 96	73 16.2 94	72 5.2 92	102 31.6 96	78 -11 95	99 -0.1 95	112 0.82 94	138 3.62 95	153 2.90 95	117 0.22 94	305 25	183 22	30
FPL 160003 82911306		MHB 110041 FPL 110013		84 88	116 89	86 81	104 83	129 56	120 72	83 58	111 68	101 58	96 3 59	81 1.59 90	90 0.6 86	95 3 83	116 6.4 89	86 -2.8 81	101 -9 84	102 4.8 72	96 -8 57	84 -30 20	102 -4 25	87 -0.32 65	97 0.5 63	119 -13.1 58	137 -6.9 32	114 41.8 79	113 10 61	115 10.2 56	91 -0.60 55	96 -0.47 60	85 -1.11 55	91 -0.12 58	32 1	31 16	37
FPL 160065 84704758		FPL 130041 CI 080076		100 90	116 86	99 75	82 81	111 55	112 71	126 65	120 69	130 63	106 11 73	93 0.76 92	113 -1.6 86	121 25 81	116 6.6 86	99 0.4 75	101 -9 81	116 12.7 68	112 15 63	121 26 11	104 -8 14	55 -1.70 77	137 20.7 72	97 0.8 56	120 -3.8 29	109 37.8 79	110 8 70	116 10.7 60	118 1.21 59	132 3.09 67	135 1.81 59	122 0.29 63	49 1	23 13	19
JPM 160008 83675181		EO 120112 RN 130060		80 81	107 65	101 48	93 56	98 45	90 55	87 32	86 48	98 29	110 14 64	76 1.92 86	94 0.2 71	105 11 56	107 3.8 65	101 0.8 65	103 -5 56	109 8.8 32	83 -28 32	105 2 17	82 36 20	99 0.19 35	90 -2.7 34	94 2.5 39	104 -0.8 30	103 32.5 67	82 -8 34	82 -10.1 32	103 0.19 28	108 0.75 30	90 -0.87 30	104 0.05 29	25 2	8 3	
JPM 170001 85619435		S 120014 S 140027		100 73	82 36	102 39	124 48	84 39	86 43	101 22	88 37	92 20	75 -15 55	108 -0.19 78	78 1.8 63	82 -12 48	102 -4.4 36	100 1.1 39	100 -12 41	85 -4.3 22	101 -2 22	94 -15 11	94 12 13	111 0.69 25	86 -5.0 24	84 8.9 37	87 2.3 22	103 32.5 58	100 2 23	95 -2.2 21	91 -0.58 19	97 -0.41 21	108 -0.06 19	91 -0.12 20	11 1	1 1	
JPM 190002 88324785		MHB 090031 BU 140112		93 89	122 86	127 85	82 85	84 84	107 77	115 84	111 79	113 82	135 35 85	88 1.11 90	106 -1.0 87	118 22 85	122 8.5 86	127 7.0 85	127 47 85	119 14.7 84	114 17 84	90 -22 81	107 -14 81	108 0.55 84	71 -12.3 84	76 13.7 83	81 3.5 82	112 39.8 86	133 21 84	126 16.9 84	114 0.94 82	99 -0.14 82	92 -0.75 82	113 0.17 82	16 4		

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	
ID																																			Birth	Wean
																																			Grwth Test	Dght&clv (Weaned)
JPM 190007 89196174		JPM 160008 K 130070		91 88	105 84	109 82	99 83	106 82	106 76	97 81	104 78	99 80	104 9	88 1.09	95 0.1	98 5	105 2.8	109 2.7	111 12	107 7.7	100 -2	115 17	109 -17	102 0.29	102 3.0	107 -5.7	99 0.2	116 43.4	103 3	102 1.8	107 0.47	92 -0.88	89 -0.88	105 0.07	13	1
JPM 200011 91103523		JPM 160008 K 160229		98 85	94 82	100 79	104 80	104 79	97 73	88 78	93 74	90 78	92 0	94 0.75	99 -0.3	95 2	94 -0.7	100 0.6	98 -17	96 1.9	84 -27	98 -9	84 32	96 0.05	80 -7.9	97 0.8	105 -1.0	115 42.7	83 -8	82 -10.1	93 -0.44	102 0.12	87 -0.99	94 -0.08	4	1
JPM 220014 94425675		JPM 170001 K 160229		119 83	69 78	110 78	124 79	99 78	99 71	97 76	97 72	86 76	71 -18	117 -0.76	103 -0.7	77 -13	69 -8.7	110 3.0	97 -18	73 -10.8	98 -6	90 -22	94 12	107 0.51	84 -6.2	104 -3.9	89 2.0	114 41.7	93 -2	89 -6.1	87 -0.85	100 -0.05	104 0.00	87 -0.16	1	
MHB 090031 70342597		MHB 040010 MHB 050006		109 95	134 94	125 87	79 88	79 69	122 79	148 86	136 81	140 62	134 34	104 0.09	123 -2.6	122 26	134 12.4	125 6.5	130 55	134 23.1	136 51	106 3	130 -60	137 1.78	106 5.0	77 13.5	85 2.7	99 29.9	155 33	141 26.1	117 1.14	106 0.52	100 -0.24	118 0.23	90 22	61 26
OA 170014 85965416		OA 100027 OA 130041		107 70	95 42	91 45	102 53	95 43	93 46	96 34	92 42	100 31	101 7	105 0.01	104 -0.8	97 4	95 -0.3	91 -1.6	91 -32	98 2.9	103 2	126 34	105 -11	84 -0.48	113 8.5	92 4.1	94 0.9	108 36.6	94 -2	102 2.0	105 0.32	103 0.22	109 0.31	105 0.06	3	
TLM 050503 62661202		K6K2459 KPO1680		108 98	67 93	100 93	133 94	70 86	71 84	70 71	63 80	89 63	70 -18	104 0.08	91 0.5	65 -23	67 -9.5	100 0.6	92 -29	73 -11.0	61 -60	86 -27	40 118	87 -0.35	49 -23.4	77 13.6	76 4.4	90 22.5	67 -17	62 -22.7	85 -0.97	142 4.01	122 1.07	92 -0.11	165 1	24 63
WGM 190014 89522593		FN 120304 HL 150011		98 90	91 89	99 80	89 79	92 80	78 76	118 77	87 76	97 77	105 10	99 0.41	100 -0.4	111 16	91 -1.7	99 0.3	89 -37	97 2.3	117 23	119 22	113 -26	108 0.53	101 2.7	86 7.4	88 2.2	118 44.9	99 1	101 1.3	89 -0.68	106 0.53	114 0.58	91 -0.11	66	30
ZIP 200002 89776439		FPL 130036 B 060003		110 93	74 92	114 87	106 86	88 86	82 80	114 89	89 83	105 88	91 -2	108 -0.18	103 -0.7	93 1	74 -7.2	114 3.9	96 -21	80 -7.0	114 19	83 -31	109 -19	82 -0.53	130 17.2	95 2.0	84 3.0	106 34.9	97 0	102 2.1	141 2.71	121 2.00	128 1.42	141 0.53	60 9	26

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 -birth	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 %	
Animal no	%	Parentage	EBV Acc	Dam ID																																	
JPM 190002		MHB 090031		88324785	93	122	127	82	84	107	130	115	111	113	135	88	106	118	122	127	127	119	114	90	107	108	71	76	81	112	133	126	114	99	92	113	
		BU 140112			89	86	85	85	84	77	86	84	79	82	35	1.11	-1.0	22	8.5	7.0	47	14.7	17	-22	-14	0.5	-12.3	13.7	3.5	39.8	21	17	0.94	-0.14	-0.75	0.17	
															85	90	87	85	86	85	85	84	84	81	81	84	84	83	82	86	84	84	82	82	82	82	
JPM 190007	2	JPM 160008		89196174	91	105	109	99	106	106	107	97	104	99	104	88	95	98	105	109	111	107	100	115	109	102	102	107	99	116	103	102	107	92	89	105	
		BU 130070			88	84	82	83	82	76	84	81	78	80	9	1.09	0.1	5	2.8	2.7	12	7.7	-2	17	-17	0.3	3.0	-5.7	0.2	43.4	3	2	0.47	-0.88	-0.88	0.07	
															83	90	86	83	84	82	83	80	81	80	80	81	81	81	80	84	81	80	80	80	80	80	
JPM 220014	1	JPM 170001		94425675	119	69	110	124	99	99	86	97	97	86	71	117	103	77	69	110	97	73	98	90	94	107	84	104	89	114	93	89	87	100	104	87	
		BU 160229			83	78	78	79	78	71	79	76	72	76	-18	-0.76	-0.7	-13	-8.7	3.0	-18	-10.8	-6	-22	12	0.5	-6.2	-3.9	2.0	41.7	-2	-6	-0.85	-0.05	0.00	-0.16	
															79	84	81	79	78	78	78	76	76	76	76	76	76	77	76	80	76	76	76	76	76	76	
JPM 240009	1	JPM 190007		97510853	108	99	109	111	110	120	111			101	92	104	105	90	99	109	111	103	111	122	116	105	108	110	103	116	107	106	101	95	101	100	
		JPM 160009			62	37	34	43	28	38	42			16	0	0.11	-0.8	-1	1.2	2.7	13	5.5	14	27	-32	0.4	5.9	-7.4	-0.6	43.3	6	4	0.09	-0.60	-0.18	0.01	
															45	68	54	43	37	34	38	18	17	9	10	18	18	25	17	42	18	17	15	16	15	16	
JPM 240011	1	JPM 190007		97583850	86	111	114	85	90	92	109	96	92	101	127	85	98	115	111	114	111	109	100	98	100	90	75	85	86	115	109	110	117	94	87	115	
		BU 140112			64	46	42	45	35	43	48	33	40	24	28	1.33	-0.1	20	4.9	3.8	12	8.8	-3	-10	0	-0.2	-10.3	8.5	2.5	42.1	7	7	1.11	-0.64	-1.00	0.19	
															46	70	56	45	46	42	44	32	33	19	13	35	34	34	24	47	34	32	23	25	24	24	
JPM 240013	1	JPM 190007		97682058	92	103	103	104	99	101	104			97	97	93	90	95	103	103	107	105	103	107	106	106	98	100	94	113	103	102	97	96	96	97	
		JPM 210012			59	34	28	32	26	33	37			14	3	0.80	0.6	2	2.4	1.3	4	6.8	1	5	-11	0.5	1.1	-1.2	0.9	40.4	3	2	-0.18	-0.43	-0.51	-0.04	
															40	65	48	32	34	28	31	16	16	7	8	17	17	24	15	40	16	15	13	14	13	14	
JPM 240015	2	JPM 190007		97737548	100	91	107	115	98	101	99			93	88	99	94	87	91	107	105	92	91	107	94	95	103	100	94	109	95	94	101	99	90	100	
		BH 170364			62	39	33	42	29	38	42			14	-4	0.40	0.2	-5	-1.7	2.2	0	-0.3	-16	4	11	0.0	3.5	-1.0	1.1	37.8	-1	-3	0.06	-0.23	-0.85	0.01	
															43	68	53	42	39	33	38	24	17	9	10	18	18	26	17	43	18	17	14	15	14	14	
JPM 240016	21	JPM 190007		97783120	93	101	107	102	105	104	103			95	99	89	98	96	101	107	108	103	95	108	100	100	95	105	99	116	95	95	102	97	92	101	
		JPM 210009			50	37	27	32	25	32	37			14	5	1.06	-0.1	4	1.7	2.2	5	5.5	-10	6	-1	0.2	-0.3	-4.2	0.0	43.0	-1	-3	0.12	-0.40	-0.72	0.01	
															34	54	43	32	37	27	32	17	15	7	8	16	16	21	14	40	16	15	13	14	13	14	
JPM 250001	2	JPM 190007		98340474	104	85	102	124	89	94	95	87	90	96	83	102	93	78	85	102	102	90	86	109	82	101	80	96	88	101	89	87	97	111	106	99	
		SAF 150004			62	40	34	42	33	39	43	24	34	21	-8	0.19	0.3	-12	-3.6	1.1	-9	-1.5	-24	8	36	0.2	-8.0	1.3	2.2	31.5	-5	-7	-0.16	0.95	0.13	-0.01	
															43	69	53	42	40	34	39	24	23	15	15	26	25	32	23	44	25	23	20	22	20	21	
JPM 250005	1	ZIP 200002		98596133	78	105	103	101	106	98	101	111	102	111	96	78	83	97	105	103	108	103	113	74	109	85	117	103	106	112	106	109	131	107	112	130	
		ZIP 190128			64	67	47	46	31	48	61	42	46	40	3	1.79	1.2	4	3.1	1.4	5	5.4	16	-46	-19	-0.4	10.7	-2.7	-1.2	40.2	5	6	2.03	0.57	0.49	0.39	
															37	71	56	46	67	47	53	46	41	8	13	46	45	31	18	45	44	39	38	42	39	40	
JPM 250006	1	JPM 190002		98596141	86	108	117	105	94	105	115	109	107	104	100	89	84	93	108	117	122	110	108	98	105	106	84	88	93	111	116	114	102	95	97	101	
		JPM 190012			61	56	38	44	30	43	52	28	38	22	6	1.07	1.2	1	3.8	4.6	37	9.7	10	-9	-10	0.5	-6.1	6.7	1.2	39.2	11	9	0.14	-0.56	-0.42	0.02	
															45	67	53	44	56	38	46	29	28	12	10	30	30	29	19	42	29	28	21	23	21	22	
JPM 250008	2	JPM 200011		98721772	119	71	97	119	94	89	79			87	75	115	107	83	71	97	85	73	90	105	91	95	85	88	97	109	83	78	86	99	88	86	
		JPM 190008			57	58	32	41	24	41	52			16	-14	-0.66	-1.0	-7	-8.0	0.0	-46	-10.9	-18	1	17	0.0	-5.4	6.4	0.4	38.0	-8	-13	-0.92	-0.21	-0.95	-0.18	
															42	64	50	41	58	32	44	18	17	8	10	18	18	20	15	38	18	17	15	16	15	16	

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		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 %
				Sire ID	Dam ID																																
JPM 250014	99224586	1	JPM 190002 JPM 190001			110 62	99 57	112 41	102 45	97 29	109 44	110 54	106 28	109 39	104 22	108 13	103 0.17	111 -1.4	95 3	99 1.1	112 3.5	111 13	100 3.9	105 4	105 2	103 -5	105 0.4	85 -5.6	91 4.3	93 1.2	114 41.7	111 8	107 5	104 0.29	101 0.04	96 -0.47	104 0.05
JPM 250018	99328429	1	JPM 190007 JPM 160009			116 62	91 55	109 35	113 43	111 28	119 42	105 52			100 16	90 -2	112 -0.42	108 -1.1	88 -3	91 -1.6	109 2.7	106 2	95 1.3	110 12	122 28	115 -30	105 0.4	107 5.5	110 -7.7	103 -0.6	117 44.1	105 5	104 3	100 0.04	95 -0.59	101 -0.18	100 0.00
JPM 250019	99342560	4	JPM 190002 AH 140006			98 64	110 60	122 43	83 46	87 36	99 47	115 56	109 34	102 43	109 27	131 31	94 0.76	109 -1.2	118 22	110 4.5	122 5.8	115 22	107 8.0	111 13	90 -21	102 -4	105 0.4	86 -5.2	90 5.1	83 3.1	103 33.0	117 12	112 8	116 1.10	100 -0.10	87 -1.00	116 0.20
JPM 250022	99567000	1	JPM 190002 JPM 220002			93 60	105 37	115 34	100 37	91 30	101 37	111 40	107 28	103 34	99 21	106 11	93 0.78	94 0.2	98 5	105 2.9	115 4.2	116 24	107 7.7	108 9	101 -5	106 -12	107 0.5	83 -6.5	89 6.0	86 2.4	112 40.0	118 12	112 8	101 0.10	95 -0.56	95 -0.54	100 0.01
JPM 250023	99583320	13	JPM 220014 JPM 220006			124 54	72 25	104 24	126 31	100 22	103 29	88 31			86 12	69 -19	122 -1.07	105 -0.9	75 -15	72 -7.8	104 1.4	94 -25	76 -9.5	99 -4	99 -7	97 5	106 0.5	89 -3.4	102 -2.5	97 0.4	108 36.5	94 -1	93 -4	84 -1.02	96 -0.51	103 -0.06	84 -0.20
JPM 260009	6020540941	1	JPM 190007 JPM 230008			109 46	94 36	100 28	111 32	107 25	110 31	101 36			95 16	92 0	105 0.03	105 -0.8	91 -1	94 -0.6	100 0.7	101 -11	97 2.3	101 -1	120 24	108 -15	96 0.1	105 4.5	105 -4.6	104 -0.8	111 39.5	98 0	101 1	98 -0.13	93 -0.77	97 -0.41	97 -0.04

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 130130 78721131		DD 090008 FPL 120019			130 90	89 88	112 90	92 88	130 83	127 79	100 89	143 84	139 80	117 84	103 9	127 -1.43	134 -3.6	106 12	89 -2.1	112 3.3	99 -14	99 3.5	129 40	141 56	118 -36	117 0.9	108 6.0	124 -16.0	126 -4.9	105 34.2	112 9	113 9	143 2.86	90 -1.11	153 2.90	139 0.51
K 130070 76932052	1 	CFH 080413 K 100072			97 91	87 85	102 86	126 87	109 84	106 78	95 86	97 82	104 79	76 82	77 -13	98 0.47	82 1.4	75 -15	87 -3.0	102 1.2	105 -1	96 2.0	103 2	130 40	117 -33	101 0.3	103 3.7	118 -12.4	97 0.4	108 37.1	106 5	98 0	86 -0.91	85 -1.57	94 -0.62	84 -0.20
AH 140006 83749978	3 	CI 070127 TLM 050015			99 88	103 85	117 85	81 87	89 84	91 77	104 86	103 83	93 79	102 82	129 30	94 0.72	110 -1.3	120 24	103 2.2	117 4.7	106 2	100 3.7	108 9	91 -20	97 5	101 0.3	100 1.9	104 -3.5	85 2.7	88 20.4	102 3	97 -1	116 1.06	100 -0.05	83 -1.27	115 0.19
BU 140112 80931207		CI 080030 AVZ 100019			96 91	105 89	117 89	73 90	73 87	77 80	105 89	95 88	77 82	103 85	147 45	98 0.48	107 -1.0	133 35	105 3.1	117 4.5	102 -7	99 3.7	100 -3	80 -36	91 17	79 -0.7	49 -23.4	62 22.7	73 4.9	109 37.8	116 11	118 12	126 1.74	97 -0.40	85 -1.12	124 0.31
FPL 150093 82879214		FPL 120037 FPL 120051			105 88	115 85	101 87	104 86	90 80	112 77	120 86	110 80	114 78	107 80	88 -4	98 0.50	108 -1.1	94 2	115 6.1	101 0.9	114 18	109 9.1	109 10	87 -26	99 2	81 -0.6	103 3.8	91 4.5	93 1.1	97 27.6	103 81	110 80	99 -0.04	99 -0.14	131 1.63	99 -0.01
SAF 150004 82305624	25 	TLM 050503 MAX 110025			107 88	73 85	97 85	138 87	72 85	79 77	84 86	78 83	73 79	92 82	62 -25	105 0.00	83 1.3	57 -30	73 -7.5	97 -0.2	98 -16	81 -6.5	71 -46	104 -1	53 94	99 0.2	58 -19.1	85 8.4	77 4.2	87 19.6	75 -13	72 -17	88 -0.79	129 2.79	123 1.15	93 -0.09
JPM 160009 83675199		FN 070123 YEW 130074			132 87	90 79	108 81	119 85	113 79	130 74	109 81	116 77	132 75	103 77	81 -9	125 -1.30	119 -2.2	83 -8	90 -2.1	108 2.5	107 4	94 0.8	123 31	128 36	123 -46	109 0.6	113 8.8	113 -9.1	107 -1.4	112 40.2	111 8	110 7	95 -0.30	98 -0.31	113 0.52	95 -0.06
BH 170326 85885358		B 050098 BH 140134			122 79	72 64	93 63	131 73	119 51	113 60	83 67	102 40	111 54	82 36	61 -26	137 -2.06	129 -3.2	69 -20	72 -7.8	93 -1.1	88 -39	77 -9.1	101 -2	123 29	108 -16	97 0.1	103 3.6	116 -11.1	123 -4.5	99 29.9	92 -3	99 0	73 -1.78	85 -1.55	101 -0.18	72 -0.36
JPM 180005 87357752	1 	DVB 120005 YEW 130074			111 86	104 81	104 82	84 85	95 79	98 74	103 83	134 79	111 76	114 78	115 18	107 -0.13	125 -2.8	118 22	104 2.5	104 1.4	98 -17	101 4.6	133 45	107 4	120 -41	107 0.5	115 9.7	89 5.9	99 0.0	108 36.7	103 7	105 4	107 0.49	93 -0.74	119 0.89	106 0.08
JPM 190001 88260351	1	JPM 160008 JPM 160009			115 75	90 48	95 56	119 69	107 33	112 50	98 56	100 21	110 41	98 19	91 -2	112 -0.42	119 -2.1	83 -8	90 -1.8	95 -0.7	97 -20	92 -0.8	101 -1	118 21	102 -4	104 0.4	101 2.5	104 -3.7	106 -1.1	111 39.0	95 -1	94 -3	97 -0.19	103 0.22	101 -0.18	98 -0.03
JPM 190003 88481973	2	JPM 160008 AH 140006			95 72	103 43	108 40	85 46	92 35	90 44	100 48	95 26	89 39	100 24	122 24	88 1.10	108 -1.1	115 20	103 2.4	108 2.4	102 -8	102 4.9	95 -10	98 -9	90 20	100 0.2	95 -0.4	99 -0.5	94 0.9	92 24.0	92 -3	90 -6	109 0.63	104 0.35	86 -1.07	109 0.12
JPM 190008 89236020	1	DVB 120005 JPM 150004			121 70	88 58	89 52	102 67	79 35	83 51	88 60	110 28	89 44	99 24	83 -8	116 -0.69	116 -1.9	97 4	88 -2.6	89 -2.1	84 -46	83 -5.5	109 10	103 -1	108 -15	97 0.1	98 1.0	73 15.8	90 1.8	98 28.5	97 0	91 -5	92 -0.50	95 -0.55	90 -0.86	92 -0.10

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 %
JPM 190012 89779532		JPM 170001 BH 170326		94 72	87 42	103 49	131 65	103 35	104 47	97 51	102 23	103 40	89 21	64 -23 70	105 0.04 71	63 3.1 70	68 -21 65	87 -3.1 42	103 1.4 49	109 9 52	94 0.7 24	101 -1 22	108 7 8	101 -3 13	104 0.4 25	95 -0.5 24	100 -0.9 32	105 -1.1 21	105 34.2 51	96 0 24	98 -1 22	83 -1.08 20	91 -0.98 22	102 -0.11 20	83 -0.22 21
ZIP 190095 89372460		FPL 160065 FPL 150073		108 67	98 52	115 61	74 70	97 34	93 51	100 58	87 32	89 45	99 32	111 15 36	105 0.04 62	117 -2.0 70	131 34 70	98 0.8 52	115 4.2 61	98 -17 61	89 -2.2 39	83 -28 32	104 0 6	80 40 7	63 -1.3 38	111 7.7 36	84 8.7 32	99 0.0 15	96 27.2 54	95 -1 35	90 -5 30	99 -0.07 29	95 -0.60 34	94 -0.62 30	98 -0.02 32
ZIP 190107 89372734		FPL 160003 FPL 140090		108 70	98 57	94 65	98 71	104 38	101 54	96 62	75 32	91 47	90 32	94 1 34	102 0.22 65	111 -1.4 72	101 8 71	98 0.6 57	94 -0.8 65	93 -27 64	84 -4.8 46	84 -26 31	86 -28 8	85 29 14	78 -0.7 36	94 -0.9 35	103 -2.8 37	106 -1.1 21	101 30.9 57	99 1 34	96 -1 31	85 -0.96 30	90 -1.09 33	86 -1.10 30	84 -0.20 32
ZIP 190119 89563993	1	FPL 160065 FPL 150097		76 86	124 84	97 84	85 85	118 79	111 75	113 84	124 78	118 76	117 78	104 10 82	78 1.76 85	90 0.6 86	117 21 85	124 9.3 84	97 0.0 84	107 3 84	127 18.9 80	116 21 78	141 56 76	111 -22 76	73 -0.9 79	124 14.1 79	105 -4.5 79	121 -4.1 77	105 34.7 82	111 8 78	116 11 78	120 1.30 78	109 0.80 78	119 0.91 78	120 0.26 78
ZIP 190128 89564090		FPL 160003 FPL 140115		69 86	126 85	92 85	102 85	123 80	118 76	115 85	107 79	118 77	107 78	98 4 82	61 2.88 86	69 2.6 86	97 9 85	126 9.7 85	92 -1.4 85	112 15 85	114 11.9 82	108 10 79	66 -58 77	108 -16 77	87 -0.3 79	103 3.6 79	111 -8.3 80	128 -5.3 78	112 40.2 82	112 9 79	112 8 78	112 0.82 78	92 -0.85 79	96 -0.47 78	111 0.14 78
JPM 200001 89780779	1	JPM 160008 JPM 160009		89 73	109 44	115 48	85 66	105 32	104 47	109 52	103 21	105 39	102 19	116 19 69	87 1.21 72	101 -0.4 71	114 19 66	109 4.4 44	115 4.1 48	111 13 53	113 11.4 20	105 4 21	115 17 11	105 -9 13	104 0.4 22	103 3.6 22	103 -2.8 27	105 -1.1 20	109 37.9 50	99 1 21	99 0 20	101 0.05 18	103 0.22 20	101 -0.17 19	101 0.01 19
JPM 200012 91164426	2	JPM 160008 K 130070		81 72	98 58	104 41	101 46	104 36	92 48	95 56	93 23	90 40	85 20	101 7 69	81 1.60 72	86 1.0 63	97 4 46	98 0.8 58	104 1.5 41	104 -4 48	105 6.7 24	94 -12 23	117 20 11	100 0 12	100 0.2 24	97 0.7 24	106 -4.8 33	100 -0.2 22	109 37.6 53	95 -1 24	91 -5 22	93 -0.46 19	97 -0.41 20	92 -0.75 19	92 -0.10 20
JPM 210009 92458033	2	JPM 160008 K 160229		95 69	98 43	105 35	104 45	103 31	101 41	100 46	92 20	97 35	91 18	93 1 48	89 1.04 71	100 -0.4 60	95 2 45	98 0.6 43	105 1.7 35	105 -2 41	99 3.4 24	90 -17 20	101 -5 10	91 17 11	99 0.2 22	89 -3.6 21	103 -2.7 26	100 -0.1 18	111 39.4 50	88 -5 21	88 -7 20	96 -0.23 17	102 0.09 19	95 -0.55 17	97 -0.04 18
JPM 210012 92638386		JPM 170001 FN 101019		98 63	98 33	96 37	110 43	91 36	94 38	99 40	103 22	96 33	95 18	90 -2 63	104 0.10 59	87 0.9 57	91 -1 43	98 0.5 33	96 -0.3 37	99 -14 38	100 3.7 20	105 5 22	100 -7 9	103 -5 11	109 0.6 25	94 -0.8 24	93 3.4 35	90 1.7 21	104 33.9 52	103 4 23	102 2 21	87 -0.82 18	101 0.01 19	102 -0.14 19	88 -0.15 18
ZIP 210001 91366807		FPL 130033 FPL 120003		105 76	104 72	106 66	104 71	102 46	113 60	111 72	118 52	117 58	114 50	90 -2 65	108 -0.21 76	95 0.1 74	95 2 71	104 2.8 72	106 2.0 66	110 11 70	105 6.7 62	112 15 51	116 18 13	101 -3 17	101 0.2 57	125 14.6 55	108 -6.0 50	97 0.5 28	106 35.4 61	86 -6 54	101 1 50	120 1.33 49	124 2.26 52	153 2.90 49	122 0.29 50
JPM 220001 93279529	1	JPM 170001 BH 170364		101 59	82 31	104 32	125 42	85 30	89 35	92 37			90 15	74 -16 45	105 0.01 64	83 1.3 52	76 -14 42	82 -4.4 31	104 1.5 32	102 -8 35	84 -4.8 23	91 -16 17	96 -12 9	87 26 10	100 0.2 18	95 -0.5 18	88 6.3 28	88 2.1 17	97 28.2 46	94 -2 18	91 -5 16	93 -0.46 14	101 0.01 16	97 -0.44 14	93 -0.09 15
JPM 220002 93328433	2	JPM 170001 K 130070		95 67	87 33	103 38	124 44	97 33	97 39	95 41	99 20	96 33	84 16	77 -13 64	99 0.40 69	78 1.7 59	77 -13 44	87 -2.8 33	103 1.3 38	104 -3 38	94 0.4 21	102 0 19	112 12 9	105 -11 10	106 0.5 21	95 -0.6 21	101 -1.7 32	92 1.4 19	106 35.3 49	103 3 20	97 -1 19	88 -0.74 15	91 -0.99 17	98 -0.34 15	88 -0.16 16

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																																	
JPM 220003	2	JPM 170001	JPM 150004	110	73	99	131	78	82	84	89	80	92	68	113	84	68	73	99	94	79	86	99	74	105	72	85	82	94	87	83	89	113	113	92	
93450914		SAF 150004		61	32	33	42	35	37	38	24	33	21	-20	-0.54	1.1	-21	-7.5	0.3	-24	-8.0	-24	-8	51	0.4	-12.0	8.6	3.3	25.6	-5	-9	-0.68	1.19	0.55	-0.10	
														45	66	53	42	32	33	36	24	23	14	15	26	25	33	23	48	24	23	20	22	20	21	
JPM 220006		JPM 170001	JPM 170326	122	79	97	127	102	108	93	101	107	87	68	120	103	73	79	97	95	83	101	109	101	104	95	100	105	101	96	97	82	91	102	81	
94024122		BH 170326		66	37	37	44	32	40	43	23	35	21	-21	-0.95	-0.7	-16	-5.4	0.0	-22	-5.8	-2	7	-2	0.4	-0.7	-1.1	-1.1	31.2	-1	-1	-1.18	-0.98	-0.12	-0.24	
														47	68	58	44	37	37	39	24	22	8	13	25	24	32	21	44	24	22	20	22	20	21	
JPM 230004	1	JPM 190002	JPM 170364	94	105	117	101	86	99	113	96	97	100	104	91	96	96	105	117	119	104	98	94	93	98	88	84	85	107	111	107	104	102	91	104	
95337895		BH 170364		61	42	38	45	33	40	45	29	37	22	9	0.94	0.0	4	3.0	4.6	29	6.3	-6	-15	13	0.1	-4.1	8.7	2.7	35.6	8	5	0.30	0.14	-0.79	0.06	
														45	67	54	45	42	38	42	33	29	13	11	31	30	31	21	46	30	28	21	23	21	22	
JPM 230005	1	JPM 190002	JPM 180004	95	114	119	89	81	100	120	114	104	109	114	92	103	109	114	119	120	111	113	95	108	103	86	74	85	105	117	111	106	97	91	105	
95381190		JPM 180004		60	40	38	45	30	39	44	30	36	22	18	0.88	-0.7	15	6.0	5.0	31	10.1	16	-13	-17	0.3	-5.1	15.2	2.7	34.4	11	7	0.41	-0.35	-0.79	0.07	
														45	67	53	45	40	38	41	30	30	13	11	31	31	28	20	42	31	29	22	23	22	22	
JPM 230007	1	JPM 190007	JPM 160009	111	95	109	111	110	118	107			101	92	109	104	90	95	109	108	99	111	122	116	105	108	110	103	116	107	106	101	95	101	100	
95427407		JPM 160009		67	37	34	43	28	39	42			16	0	-0.27	-0.7	-1	-0.4	2.8	6	3.5	14	27	-32	0.4	5.9	-7.4	-0.6	43.1	6	4	0.09	-0.60	-0.18	0.01	
														45	69	58	43	37	34	38	18	17	9	10	18	18	25	17	43	18	17	15	16	15	16	
JPM 230008		OA 170014	BH 170326	127	84	92	120	108	112	93	99	110	91	81	121	116	83	84	92	89	87	102	125	107	90	108	104	109	106	93	101	89	94	105	88	
95638680		BH 170326		53	38	39	45	35	38	42	26	34	24	-10	-1.02	-1.9	-8	-4.0	-1.3	-36	-3.1	0	31	-13	-0.2	6.0	-3.5	-1.8	35.6	-2	1	-0.73	-0.66	0.06	-0.15	
														46	54	50	45	38	39	41	26	26	9	15	28	27	33	23	48	27	25	23	25	23	24	
JPM 230010		OA 170014	K 160229	131	74	97	112	101	99	83	96	97	92	89	129	118	90	74	97	83	77	100	111	103	91	100	101	95	113	94	97	97	99	105	97	
96083472		K 160229		61	35	34	44	30	37	40	21	32	19	-3	-1.52	-2.1	-2	-7.2	-0.2	-49	-8.9	-2	11	-6	-0.2	2.0	-1.9	0.8	40.6	-2	-1	-0.17	-0.18	0.04	-0.04	
														44	66	54	44	35	34	38	24	20	9	12	23	22	27	18	46	22	20	18	20	18	19	
WGM 230050	6	WGM 190014	HL 150014	108	73	98	103	99	79	72			86	90	110	99	95	73	98	81	78	104	115	107	101	99	102	96	103	93	91	83	103	106	84	
96438171		HL 150014		65	64	37	41	34	46	57			16	-2	-0.29	-0.3	3	-7.6	0.0	-53	-8.6	3	17	-14	0.2	1.5	-2.5	0.7	32.9	-2	-5	-1.10	0.17	0.11	-0.20	
														30	71	55	41	64	37	47	18	9	10	20	19	32	22	48	19	18	16	17	16	16		
JPM 240002		OA 170014	JPM 200012	95	96	97	102	100	93	93	94	91	93	101	94	96	97	96	97	97	101	98	122	103	92	105	99	97	108	94	97	99	100	100	99	
96368386		JPM 200012		58	36	30	35	29	35	39	20	30	18	7	0.72	0.0	4	0.0	0.0	-20	4.3	-5	27	-6	-0.1	4.6	-0.3	0.4	37.2	-1	-1	-0.07	-0.09	-0.22	-0.02	
														43	64	48	35	36	30	34	20	20	9	12	22	21	26	18	42	21	20	18	19	18	18	
JPM 240004	1	OA 170014	JPM 180005	113	99	97	92	95	97	98	115	102	107	108	106	115	107	99	97	94	100	118	116	113	95	114	90	97	108	99	103	106	98	114	105	
96605043		JPM 180005		51	32	36	44	29	35	37	22	31	20	13	-0.06	-1.8	13	1.1	-0.1	-24	3.7	24	19	-26	0.0	9.1	5.0	0.5	36.5	1	3	0.40	-0.26	0.60	0.07	
														43	52	48	44	32	36	37	20	22	9	13	24	23	27	18	41	23	21	19	21	19	20	
JPM 240006	1	JPM 200011	AH 140006	99	97	109	91	96	93	98	96	92	96	110	95	105	107	97	109	102	97	96	95	91	99	90	100	95	101	92	90	105	101	85	104	
97117428		AH 140006		60	42	36	42	32	39	44	23	34	21	15	0.67	-0.9	13	0.5	2.6	-8	2.5	-9	-15	18	0.2	-3.0	-1.4	0.9	31.5	-3	-6	0.31	0.03	-1.13	0.06	
														44	65	52	42	42	36	40	24	23	12	13	25	24	30	22	43	24	22	20	22	20	21	
JPM 240007	1	JPM 190002	JPM 200001	89	117	122	84	95	106	121	109	108	108	89	117	102	116	117	122	120	118	109	102	106	106	87	89	93	111	116	113	107	101	96	107	
97159636		JPM 200001		60	39	37	44	29	38	43	28	35	22	27	1.33	-0.6	21	7.0	5.7	33	14.1	11	-3	-12	0.5	-4.3	5.5	1.2	38.9	11	9	0.50	0.04	-0.46	0.09	
														45	66	53	44	39	37	40	28	28	12	10	30	29	27	19	40	29	28	21	22	21	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	Inbreeding	Genomic	Index	Calv.	Calf	Milk	Maint.	Fertility	Cow	Wean	Growth	Prod.	Carcass	Cow	Birth	Cow	Cow	Wean	Wean	Cow	Post	ADG	Vel	FCR	Skin	Scrotum	Heifer	Cow	Longevity	Height	Length	EMA	Fat	Marbling	Dress
Animal no	%	Parentage	EBV Acc	Ease V	Growth V	Value	V	V	Value	Calf V	Value	Value	V	wt -birth	wt	-birth	wt -wean	dir	mat	-Calf	wn wt				Thickn			Fert							
JPM 240008 97430169	14	JPM 190007 JPM 190001		114 62	92 38	101 35	111 41	106 25	111 37	100 42			99 14	97 4	108 -0.16	111 -1.4	91 -1	92 -1.2	101 0.8	99 -13	94 0.6	101 -2	116 19	105 -11	103 0.3	101 2.8	106 -4.7	102 -0.5	113 41.2	99 1	98 -1	102 0.14	98 -0.33	95 -0.53	101 0.02
JPM 240010 97558688	1	JPM 190007 BH 170326		121 63	86 44	101 38	119 43	113 32	118 41	99 46	100 23	115 36	90 21	82 -9	115 -0.65	112 -1.5	84 -7	86 -3.1	101 0.7	98 -15	90 -1.7	100 -2	119 23	108 -17	100 0.2	102 3.3	112 -8.4	111 -2.2	108 37.0	97 0	100 1	90 -0.66	89 -1.21	95 -0.53	89 -0.14
JPM 240012 97630164	1	JPM 190002 K 130070		100 65	100 43	114 43	101 47	96 35	104 43	108 47	106 31	106 39	95 23	106 11	99 0.42	99 -0.2	96 3	100 1.4	114 3.9	113 17	104 6.2	108 10	110 9	112 -23	105 0.4	87 -4.3	97 0.7	89 2.0	110 38.4	119 13	112 8	100 0.02	92 -0.86	93 -0.68	99 -0.01
JPM 240014 97703029	26	JPM 200011 K 160229		107 62	88 41	104 31	113 42	105 26	105 38	96 43			87 14	85 -7	102 0.23	104 -0.8	89 -2	88 -2.5	104 1.5	100 -12	91 -1.3	91 -17	97 -10	92 15	97 0.1	84 -6.2	104 -3.6	100 -0.1	115 42.1	89 -5	88 -7	92 -0.54	99 -0.23	94 -0.61	92 -0.11
JPM 250004 98559461	4	ZIP 200002 ZIP 190119		94 64	109 67	102 46	88 46	102 31	100 48	104 61	123 42	108 46	116 41	105 10	94 0.75	101 -0.4	112 17	109 4.2	102 1.0	102 -8	111 10.0	120 26	109 8	113 -26	78 -0.7	130 17.0	98 0.1	102 -0.5	105 34.4	109 7	116 10	135 2.29	115 1.40	124 1.18	135 0.45
JPM 250007 98686967	1	ZIP 200002 FPL 130130		124 65	77 68	114 52	102 48	109 34	106 50	90 63	127 48	115 49	107 46	93 0	118 -0.87	118 -2.1	95 3	77 -6.0	114 3.9	98 -17	87 -3.5	120 27	113 14	113 -26	99 0.2	118 11.1	110 -7.6	105 -1.0	105 34.0	103 3	105 4	138 2.52	105 0.45	141 2.18	136 0.47
JPM 250009 98911159		JPM 180005		106 51	107 52	111 30	77 35	86 19	92 36	106 46			89 12	114 18	104 0.08	114 -1.7	128 31	107 3.5	111 3.2	101 -9	95 0.9	96 -9	105 1	92 16	90 -0.2	102 3.0	81 10.7	90 1.8	87 19.8	94 -2	87 -7	91 -0.58	75 -2.51	86 -1.09	88 -0.16
JPM 250012 99000069	6	ZIP 200002 ZIP 210001		102 63	93 56	111 44	105 45	95 33	98 45	100 54	116 46	104 45	110 45	90 -2	103 0.16	96 0.0	94 1	93 -0.9	111 3.1	107 2	96 2.0	113 17	100 -7	105 -11	91 -0.1	127 15.9	101 -2.0	90 1.7	106 34.8	92 -3	102 2	130 2.02	123 2.13	141 2.17	132 0.41
JPM 250015 99254468		BH 170326		121 56	81 57	109 33	104 37	99 26	99 40	91 50	74 20	90 34	69 18	78 -12	120 -0.95	111 -1.4	94 2	81 -4.8	109 2.7	97 -20	75 -10.2	77 -37	115 17	82 35	85 -0.4	94 -0.8	96 1.5	102 -0.4	82 16.1	85 -7	81 -11	71 -1.91	71 -2.91	77 -1.64	68 -0.41
JPM 250016 99254476	1	JPM 190002 JPM 200001		88 62	126 56	119 38	79 44	93 29	109 43	127 53	112 28	112 38	111 22	133 33	84 1.41	105 -0.9	123 27	126 9.7	119 5.1	120 33	125 17.6	113 16	100 -7	108 -17	107 0.5	90 -3.1	88 6.6	93 1.2	108 37.0	120 13	118 12	111 0.71	101 0.03	97 -0.45	110 0.14
JPM 250020 99370298		JPM 200012		80 52	99 29	116 21	91 23	91 19	84 27	98 31			75 10	97 4	83 1.42	87 0.9	107 13	99 1.1	116 4.3	109 7	94 0.4	74 -42	112 12	78 43	86 -0.4	91 -2.2	91 4.7	90 1.7	87 19.7	87 -6	77 -13	85 -1.00	77 -2.35	72 -1.91	82 -0.23
JPM 250024 99684193	1	JPM 200011 JPM 210012		95 54	98 34	99 26	107 31	97 24	96 32	98 36			93 12	91 -40	95 0.63	92 0.4	93 1	98 0.7	99 0.2	101 -11	100 4.0	94 -11	99 -8	93 13	103 0.3	87 -4.3	95 2.1	97 0.4	110 38.3	93 -2	92 -4	90 -0.63	102 0.06	95 -0.56	91 -0.12

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 %
JPM 260001 6020527039	1	JPM 190007 ZIP 190119			84 53	114 46	103 40	91 43	112 28	108 39	109 46	111 22	111 34	108 20	104 9	83 1.42	93 0.3	107 13	114 6.1	103 1.3	109 7	117 13.3	108 9	128 37	110 -20	87 -0.3	113 8.6	106 -5.1	110 -2.0	111 39.1	107 6	109 6	113 0.89	100 -0.04	104 0.02	113 0.16
JPM 260002 6020073562	1	JPM 190002 JPM 230007			95 59	114 38	119 33	93 36	97 28	112 36	121 41	111 28	114 34	107 20	114 17	91 0.92	101 -0.5	104 10	114 5.8	119 5.1	122 37	114 12.0	113 16	106 2	111 -23	107 0.5	89 -3.2	93 3.2	92 1.4	114 41.4	120 13	116 11	108 0.52	97 -0.37	96 -0.47	107 0.09
JPM 260003 6020104912	1	JPM 190002 JPM 210009			95 60	109 39	116 33	92 37	93 28	103 37	114 41	103 28	104 34	102 21	114 18	89 1.04	104 -0.7	106 12	109 4.4	116 4.3	116 23	109 8.9	102 0	95 -13	99 1	103 0.4	80 -7.9	89 5.5	90 1.7	111 39.6	111 8	107 5	105 0.36	101 -0.03	93 -0.65	105 0.07
JPM 260004 6020119910	1	JPM 190007 ZIP 190095			103 60	99 40	112 37	85 42	101 25	98 38	100 43	92 20	95 33	99 18	107 12	100 0.34	109 -1.2	115 19	99 1.1	112 3.3	102 -8	95 1.4	92 -15	110 9	95 11	83 -0.5	107 5.4	96 1.5	99 0.1	106 35.3	99 1	96 -2	103 0.20	93 -0.74	92 -0.75	102 0.02
JPM 260005 6020170210	1	JPM 190007 BU 140112			93 63	106 46	113 42	85 45	89 35	91 42	105 48	96 33	90 39	101 24	127 28	92 0.86	101 -0.5	115 20	106 3.2	113 3.6	107 3	104 6.1	100 -3	98 -10	100 0	90 -0.2	75 -10.3	85 8.5	86 2.5	113 40.6	109 7	110 7	117 1.11	94 -0.64	87 -1.00	115 0.19
ZIP 260034 6020105968	6	ZIP 200002 FPL 150093			112 65	90 56	107 49	105 47	89 33	96 46	99 55	112 46	101 46	106 44	89 -3	108 -0.18	108 -1.2	94 1	90 -1.8	107 2.2	102 -8	91 -0.9	112 14	85 -29	104 -9	81 -0.6	117 10.5	93 3.3	88 2.0	101 31.2	100 2	106 4	120 1.34	110 0.93	130 1.52	120 0.26

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	JPM 240009	JPM 240009	JPM 190007	JPM 160009	0.9						108	62	99	37	109	34	111	43	110	28	120	38	111	42				101	16	
1	JPM 190002	JPM 190002	MHB 090031	BU 140112	0.0	HH	0	0	0		93	89	122	86	127	85	82	85	84	84	107	77	130	86	115	84	111	79	113	82
2	JPM 190007	JPM 190007	JPM 160008	K 130070	2.3	HH	0	0	0		91	88	105	84	109	82	99	83	106	82	106	76	107	84	97	81	104	78	99	80
3	JPM 240013	JPM 240013	JPM 190007	JPM 210012	1.5						92	59	103	34	103	28	104	32	99	26	101	33	104	37				97	14	
4	JPM 240015	JPM 240015	JPM 190007	BH 170364	1.9						100	62	91	39	107	33	115	42	98	29	101	38	99	42				93	14	
5	JPM 240016	JPM 240016	JPM 190007	JPM 210009	20.5						93	50	101	37	107	27	102	32	105	25	104	32	103	37				95	14	
1	JPM 220014	JPM 220014	JPM 170001	K 160229	1.2	HH	0	0	0		119	83	69	78	110	78	124	79	99	78	99	71	86	79	97	76	97	72	86	76
2	JPM 240011	JPM 240011	JPM 190007	BU 140112	1.0						86	64	111	46	114	42	85	45	90	35	92	43	109	48	96	33	92	40	101	24

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	JPM 160009	JPM160009	FN 070123	YEW 130074	0.1	HH	0	0	0		132 87	90 79	108 81	119 85	113 79	130 74	109 81	116 77	132 75	103 77
1	FPL 130130	LIEFLING	DD 090008	FPL 120019	0.0			0			130 90	89 88	112 90	92 88	130 83	127 79	100 89	143 84	139 80	117 84
1	BH 170326	BH 170326	B 050098	BH 140134	0.0						122 79	72 64	93 63	131 73	119 51	113 60	83 67	102 40	111 54	82 36
2	FPL 150093	DE LA MELK	FPL 120037	FPL 120051	0.0	HH	0	0	0		105 88	115 85	101 87	104 86	90 80	112 77	120 86	110 80	114 78	107 80
3	JPM 190001	JPM 190001	JPM 160008	JPM 160009	1.2						115 75	90 48	95 56	119 69	107 33	112 50	98 56	100 21	110 41	98 19
4	JPM 230007	JPM 230007	JPM 190007	JPM 160009	0.9						111 67	95 37	109 34	111 43	110 28	118 39	107 42			101 16
5	JPM 230008	JPM 230008	OA 170014	BH 170326	0.1						127 53	84 38	92 39	120 45	108 35	112 38	93 42	99 26	110 34	91 24
6	JPM 240008	DIANNA	JPM 190007	JPM 190001	14.0						114 62	92 38	101 35	111 41	106 25	111 37	100 42			99 14
7	JPM 240010	ELMA	JPM 190007	BH 170326	1.4						121 63	86 44	101 38	119 43	113 32	118 41	99 46	100 23	115 36	90 21
8	ZIP 190119	REBECCA	FPL 160065	FPL 150097	0.8	HH	0	0	0		76 86	124 84	97 84	85 85	118 79	111 75	113 84	124 78	118 76	117 78
9	ZIP 190128	PAM	FPL 160003	FPL 140115	0.4	HH	0	0	0		69 86	126 85	92 85	102 85	123 80	118 76	115 85	107 79	118 77	107 78
10	ZIP 210001	ROAN	FPL 130033	FPL 120003	0.0						105 76	104 72	106 66	104 71	102 46	113 60	111 72	118 52	117 58	114 50
1	JPM 190012	JPM 190012	JPM 170001	BH 170326	0.5						94 72	87 42	103 49	131 65	103 35	104 47	97 51	102 23	103 40	89 21
2	JPM 200001	JPM 200001	JPM 160008	JPM 160009	1.2						89 73	109 44	115 48	85 66	105 32	104 47	109 52	103 21	105 39	102 19
3	JPM 210009	JPM 210009	JPM 160008	K 160229	2.3						95 69	98 43	105 35	104 45	103 31	101 41	100 46	92 20	97 35	91 18
4	JPM 220006	UBUHLE	JPM 170001	BH 170326	0.5						122 66	79 37	97 37	127 44	102 32	108 40	93 43	101 23	107 35	87 21
5	JPM 230005	JPM 230005	JPM 190002	JPM 180004	1.1						95 60	114 40	119 38	89 45	81 30	100 39	120 44	114 30	104 36	109 22
6	JPM 240007	JPM 240007	JPM 190002	JPM 200001	1.2						89 60	117 39	122 37	84 44	95 29	106 38	121 43	109 28	108 35	108 22
7	JPM 240012	JPM 240012	JPM 190002	K 130070	1.4						100 65	100 43	114 43	101 47	96 35	104 43	108 47	106 31	106 39	95 23
8	JPM 240014	JPM 240014	JPM 200011	K 160229	26.4						107 62	88 41	104 31	113 42	105 26	105 38	96 43			87 14
9	K 130070	K130070	CFH 080413	K 100072	0.8	HH	0	0	0		97 91	87 85	102 86	126 87	109 84	106 78	95 86	97 82	104 79	76 82
10	ZIP 190107	ZIP 190107	FPL 160003	FPL 140090	0.2						108 70	98 57	94 65	98 71	104 38	101 54	96 62	75 32	91 47	90 32

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	AH 140006	AH1406	CI 070127	TLM 050015	3.1	HH	0	0	0		99 88	103 85	117 85	81 87	89 84	91 77	104 86	103 83	93 79	102 82
2	JPM 180005	JPM 180005	DVB 120005	YEW 130074	0.6	HH	0	0	0		111 86	104 81	104 82	84 85	95 79	98 74	103 83	134 79	111 76	114 78
3	JPM 190003	JPM 190003	JPM 160008	AH 140006	2.1						95 72	103 43	108 40	85 46	92 35	90 44	100 48	95 26	89 39	100 24
4	JPM 200012	JPM 200012	JPM 160008	K 130070	2.3						81 72	98 58	104 41	101 46	104 36	92 48	95 56	93 23	90 40	85 20
5	JPM 210012	JULIA	JPM 170001	FN 101019	0.3						98 63	98 33	96 37	110 43	91 36	94 38	99 40	103 22	96 33	95 18
6	JPM 220002	JPM 220002	JPM 170001	K 130070	1.8						95 67	87 33	103 38	124 44	97 33	97 39	95 41	99 20	96 33	84 16
7	JPM 230004	JPM 230004	JPM 190002	BH 170364	0.7						94 61	105 42	117 38	101 45	86 33	99 40	113 45	96 29	97 37	100 22
8	JPM 230010	JPM 230010	OA 170014	K 160229	0.2						131 61	74 35	97 34	112 44	101 30	99 37	83 40	96 21	97 32	92 19
9	JPM 240002	JPM 240002	OA 170014	JPM 200012	0.4						95 58	96 36	97 30	102 35	100 29	93 35	93 39	94 20	91 30	93 18
10	JPM 240004	JPM 240004	OA 170014	JPM 180005	0.7						113 51	99 32	97 36	92 44	95 29	97 35	98 37	115 22	102 31	107 20
11	JPM 240006	JPM 240006	JPM 200011	AH 140006	1.4						99 60	97 42	109 36	91 42	96 32	93 39	98 44	96 23	92 34	96 21
12	ZIP 190095	ZIP 190095	FPL 160065	FPL 150073	0.0						108 67	98 52	115 61	74 70	97 34	93 51	100 58	87 32	89 45	99 32
1	JPM 190008	JPM 190008	DVB 120005	JPM 150004	1.2						121 70	88 58	89 52	102 67	79 35	83 51	88 60	110 28	89 44	99 24
2	JPM 220001	JPM 220001	JPM 170001	BH 170364	1.2						101 59	82 31	104 32	125 42	85 30	89 35	92 37			90 15
3	JPM 220003	JPM 220003	JPM 170001	SAF 150004	2.3						110 61	73 32	99 33	131 42	78 35	82 37	84 38	89 24	80 33	92 21
1	BU 140112	ANNE	CI 080030	AVZ 100019	0.0	HH	0	0	0		96 91	105 89	117 89	73 90	73 87	77 80	105 89	95 88	77 82	103 85
2	SAF 150004	SAF 150004	TLM 050503	MAX 110025	25.0	HH	0	0	0		107 88	73 85	97 85	138 87	72 85	79 77	84 86	78 83	73 79	92 82
3	WGM 230050	WGM 230050	WGM 190014	HL 150014	6.4						108 65	73 64	98 37	103 41	99 34	79 46	72 57			86 16

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 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	JPM 250018	JPM 250018	JPM 190007	JPM 160009	0.9			116	62	91	55	109	35	113	43	111	28	119	42	105	52				100	16	
2	JPM 260009	JPM 260009	JPM 190007	JPM 230008	0.9			109	46	94	36	100	28	111	32	107	25	110	31	101	36				95	16	
								★★★★☆																			
1	JPM 250006	JPM 250006	JPM 190002	JPM 190012	0.9			86	61	108	56	117	38	105	44	94	30	105	43	115	52	109	28	107	38	104	22
2	JPM 250014	JPM 250014	JPM 190002	JPM 190001	1.2			110	62	99	57	112	41	102	45	97	29	109	44	110	54	106	28	109	39	104	22
3	JPM 250022	JPM 250022	JPM 190002	JPM 220002	1.3			93	60	105	37	115	34	100	37	91	30	101	37	111	40	107	28	103	34	99	21
4	JPM 250023	JPM 250023	JPM 220014	JPM 220006	13.5			124	54	72	25	104	24	126	31	100	22	103	29	88	31				86	12	
								★★★★																			
1	JPM 250001	JPM 250001	JPM 190007	SAF 150004	1.8			104	62	85	40	102	34	124	42	89	33	94	39	95	43	87	24	90	34	96	21
2	JPM 250005	TITAN	ZIP 200002	ZIP 190128	0.5			78	64	105	67	103	47	101	46	106	31	98	48	101	61	111	42	102	46	111	40
3	JPM 250019	JPM 250019	JPM 190002	AH 140006	3.6			98	64	110	60	122	43	83	46	87	36	99	47	115	56	109	34	102	43	109	27
								★★★★☆																			
1	JPM 250008	JPM 250008	JPM 200011	JPM 190008	1.7			119	57	71	58	97	32	119	41	94	24	89	41	79	52				87	16	

Selection List on Cow Value
Heifers 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											
									★★★★																			
1	JPM 260002	JPM 260002	JPM 190002	JPM 230007	1.5				95	59	114	38	119	33	93	36	97	28	112	36	121	41	111	28	114	34	107	20
									★★★★☆																			
1	JPM 250004	JPM 250004	ZIP 200002	ZIP 190119	3.6				94	64	109	67	102	46	88	46	102	31	100	48	104	61	123	42	108	46	116	41
2	JPM 250007	JPM 250007	ZIP 200002	FPL 130130	0.9				124	65	77	68	114	52	102	48	109	34	106	50	90	63	127	48	115	49	107	46
3	JPM 250016	JPM 250016	JPM 190002	JPM 200001	1.2				88	62	126	56	119	38	79	44	93	29	109	43	127	53	112	28	112	38	111	22
4	JPM 260001	JPM 260001	JPM 190007	ZIP 190119	1.2				84	53	114	46	103	40	91	43	112	28	108	39	109	46	111	22	111	34	108	20
5	JPM 260003	JPM 260003	JPM 190002	JPM 210009	0.8				95	60	109	39	116	33	92	37	93	28	103	37	114	41	103	28	104	34	102	21
									★★★★																			
1	JPM 250009	JPM 250009		JPM 180005	0.0				106	51	107	52	111	30	77	35	86	19	92	36	106	46					89	12
2	JPM 250012	JPM 250012	ZIP 200002	ZIP 210001	6.3				102	63	93	56	111	44	105	45	95	33	98	45	100	54	116	46	104	45	110	45
3	JPM 250015	JPM 250015		BH 170326	0.0				121	56	81	57	109	33	104	37	99	26	99	40	91	50	74	20	90	34	69	18
4	JPM 250024	JPM 250024	JPM 200011	JPM 210012	1.1				95	54	98	34	99	26	107	31	97	24	96	32	98	36					93	12
5	JPM 260004	JPM 260004	JPM 190007	ZIP 190095	0.5				103	60	99	40	112	37	85	42	101	25	98	38	100	43	92	20	95	33	99	18
6	JPM 260005	JPM 260005	JPM 190007	BU 140112	1.0				93	63	106	46	113	42	85	45	89	35	91	42	105	48	96	33	90	39	101	24
7	ZIP 260034	DE LA MELK	ZIP 200002	FPL 150093	6.4				112	65	90	56	107	49	105	47	89	33	96	46	99	55	112	46	101	46	106	44
									★★★★☆																			
1	JPM 250020	JPM 250020		JPM 200012	0.0				80	52	99	29	116	21	91	23	91	19	84	27	98	31					75	10

