

Angus

Genetic Evaluation

SA Stud Book

June 2025

Data extraction date: 20250617

Herd Number: 630708

ELANDSBERG ANGUS
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P.O. BOX 93
HOGSBACK
5721



EBVs, EBVi's and Selection Values



Logix Cow Value

Selecting for:

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



Logix Growth Value

Selecting for efficient growers
on veld and feedlot



Logix Production Value

80% Logix Cow Value +
20% Logix Growth Value



Logix Genomics

- Identification
- Parentage
- Genomic Breeding Values
- Single gene testing

EBVi (EBVindex) is the breeding value index and is easier to interpret than the breeding value, especially for commercial farmers buying from stud farmers. The base of a breeding value index is 100, which is the average of all the live animals in the breed, and all values are expressed relative to this value. Values above 100 are always in a more desirable direction. Note that a very high index is not always desirable. For certain traits, such as birth weight, average values are better.

EBV: (Estimated Breeding Value) indicates the genetic potential of the animal for a specific trait. It is presented in the unit of measurement and relative to the average of animals born in the base year (1990 for most breeds and traits).

Blending of foreign EBVs/EPDs:

1. Sires: If the accuracies of local EBVs of a foreign sire are < 70%, his EBVs are placed on the same local percentile level as the percentile level in his country of origin. If the SA accuracy is for example 30%, then 30% of the SA value will be *blended* with 70% of the calculated foreign value. Where SA accuracy > 70%, values are based solely on SA data. (70% is roughly equivalent to about 30 measured progeny for a direct trait such as wean or 12 months and about 10 progeny weaned out of daughters of an imported sire for wean maternal).
2. Calves of foreign sires: EBVs of local progeny of foreign sires are also blended if the accuracy of the calf is between 45% and 60%. Mid-parent EBVs are calculated

for accuracies < 45% and if the accuracy is >60%, the breeding value is based solely on South African data.

Sub-values combine similar breeding values in a scientific manner to simplify the selection of animals. For example, HF (Heifer Fertility), CF (Cow Fertility) and Longevity are combined to form the sub-value Fertility by taking the heritability and economic importance in consideration. The sub-value is expressed in an index format, thus an animal with a sub-value of 110 for Fertility will genetically be above average compared to the live animals in the breed.

Selection Values (Cow Value and Growth Value) combine the sub-values into a single value. This gives a quick and easy indication of the combined genetic value of an animal compared to the breed. It is advised to still look at the sub-values to see where the strengths and weaknesses lie.

LOGIX

CV: Cow Value

(Combination of EBVs based on measurements of cows and calves on the farm)

Selection Values	Calving Ease	Calf growth	Milk	Maintenance	Fertility
	Birth Weight: Calf's genetic potential for weight at birth	Wean weight: Calf's genetic potential for growth	Milk (wean maternal): Milk and mothering ability of cow	Mature weight : Heavier cows have higher maintenance requirements	Heifer Fertility: Age at 1 st calving
	Birth Mat: Cow's genetic ability to limit calf 's birth weight			0.1 x Milk: Higher milk increases maintenance requirements	Cow Fertility: ICP (inter-calving period) Longevity: Retention of family
>120 (Green)		Heavier weaner calf	More milk	Lower maintenance (smaller cow)	More fertile and/or good retention
80 - 120 (Grey)	Average birth weight	Average weaner calf	Average milk	Average maintenance (average cow size)	Average
< 80 (Red)	Heavy Birth Weights (More difficult calving)	Lighter weaner calf	Less milk	Higher maintenance (Heavier cow)	Less fertile and/or culled early

Breeding Values (EBVs)	Birth weight	Mat. birth weight	Weaning weight	Milk	Cow weight	Longevity	Heifer Fertility	Cow Fertility
Higher EBV	Heavier weight	Heavier weight	Heavier weight	More milk	Heavier weight	Family remains longer	Later calving	Longer ICP
Lower EBV	Lighter weight	Lower weight	Lighter weight	Less milk	Lighter weight	Family culled earlier	Earlier calving	Shorter ICP
Optimum EBV	Lower intermediate	Lower intermediate	Higher	Higher	Higher intermediate	Higher	Lower	Lower
Optimum EBVindex*	Higher intermediate	Higher intermediate	Higher	Higher	Higher intermediate	Higher	Higher	Higher

*EBV index above 100 is in a more favourable direction and better than breed average (100).

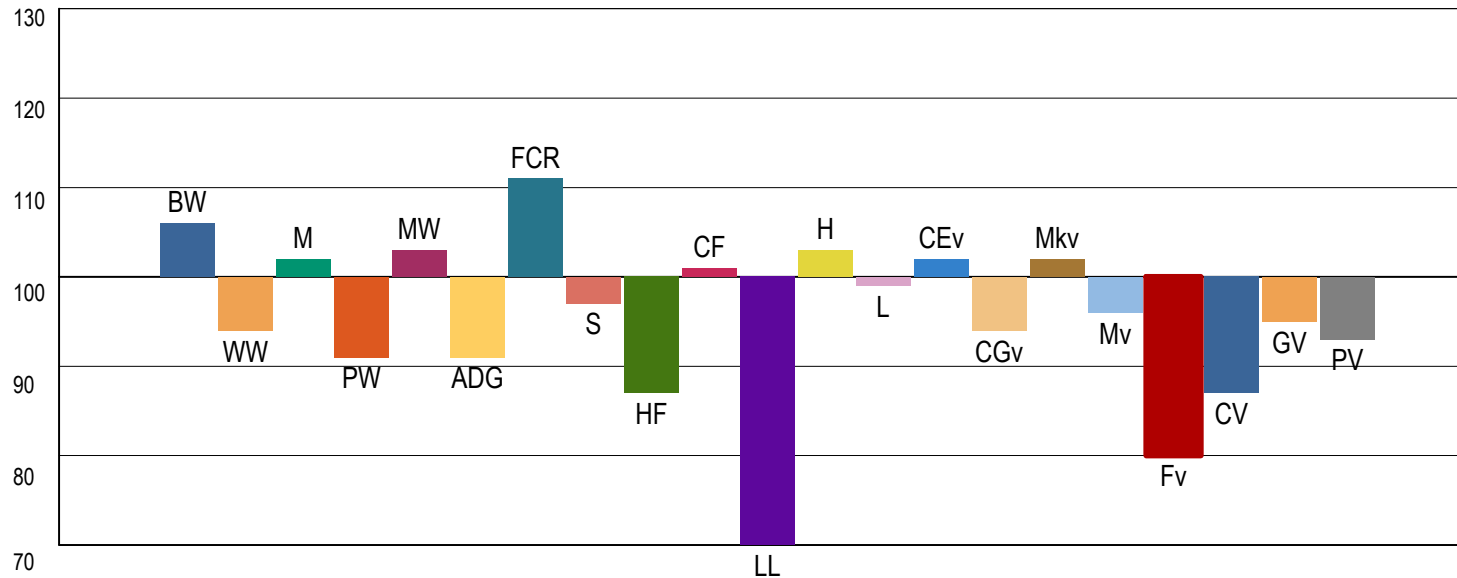
GV: Growth Value

(Combination of EBVs based on bulls measured in growth tests)

Breeding Values (EBVs)	ADG	Kleiber ratio	Feed conversion ratio	Scrotal circumference	Height	Length	Carcass
	Average daily gain	Growth efficiency	Feed conversion ratio	Bull fertility	Shoulder/Hip heigh	Body length	Dressing%, Red Meat Yield and Marbling
Higher EBV	More growth	More efficient on veld	Higher intake per kg gain	Larger scrotum	Taller animal	Longer animal	More
Lower EBV	Less growth	Less efficient on veld	Lower intake per kg gain	Smaller scrotum	Shorter animal	Shorter length	Less
Optimum EBV	Higher	Higher	Lower	Higher	Intermediate	Intermediate/high	Higher
Optimum EBV index	Higher	Higher	High	Higher	Higher intermediate	Higher intermediate	Higher

PV: Production Value is a combination of CV and GV)

Herd and Breed Averages



Breeding Value (EBV) and Breeding Value Index (EBVi):

BW	Birth Weight
WW	Weaning Weight
M	Milk
PW	Post-Wean Weight
MW	Mature Weight
ADG	Average Daily Gain
FCR	Feed Conversion Ratio
S	Scrotal Circumference
HF	Heifer Fertility
CF	Cow Fertility
LL	Longevity
H	Frame Score
L	Length

Selection Values

CEv	Calving Ease Value
CGv	Calf Growth Value
Mkv	Milk Value
Mv	Maintenance Value
Fv	Fertility Value
CV	Cow Value
GV	Growth Value
PV	Production Value

	Trait	EBV Herd	EBV Index	EBV Breed
Prewean Growth	Birth Weight	0.98	106	1.56
	Wean Weight	24.4	94	27.5
	Birth Mat.	0.47	98	0.38
	Milk (Wn.Mat.)	6.5	102	5.8
Postwean Growth	Postwean Wt	43.5	91	51.9
	Mature Weight	43	103	38
	ADG	169	91	208
	FCR	-103	111	-80
Fertility	Scrotal Circumf.	20.7	97	22.2
	Heifer Fertility	8.6	87	-1.6
	Cow Fertility	-2.9	101	-2.8
	Longevity	8.7	70	23.1
Frame	Frame Score	0	103	0
	Length	44	99	45
Carcass	Dressing%	0.48	94	0.61
	RedMeatYield	4.9	95	6.1
	Marbling	1.04	109	0.32

Selection Value	Ave. Herd
Calving Ease	102
Calf Growth	94
Milk	102
Maintenance	96
Fertility	80
Cow Value	87
Growth Value	95
Production Value	93

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

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

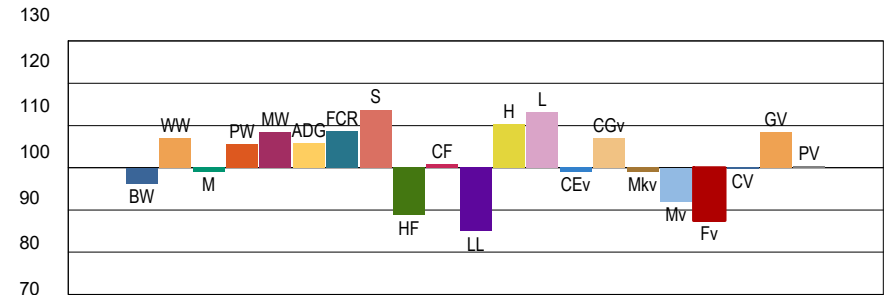
- Calving ease: Smaller calf at birth - easier calving
- Calf growth: Heavier calves at wean due to growth potential of the calf
- Milk: Cows with more milk and better mothering ability
- Maintenance: Animals with low maintenance requirements (lower mature weight).
- Fertility: Cows/daughters that calve

Genetic Window

Bulls on Farm

Bulls born in 2022 and earlier

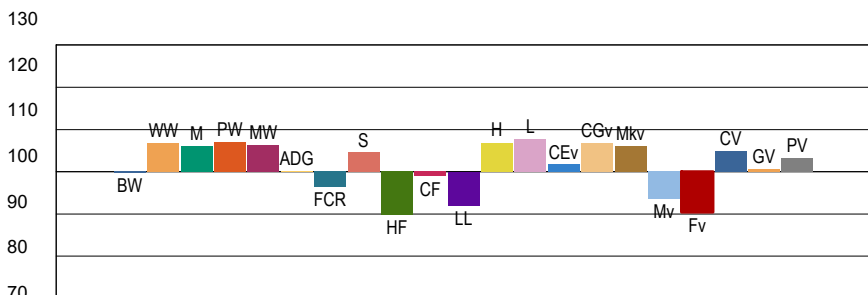
Number: 4



Cow Herd

Cows born in 2023 and earlier

Number: 37



Abbreviations

BW Birth Weight
WW Weaning Weight
M Milk
PW Post-wean Weight
MW Mature Weight

FCR Feed Conv. Ratio
S Scrotal Circumf.
HF Heifer Fertility
CF Cow Fertility
LL Longevity
H Frame Score
L Length

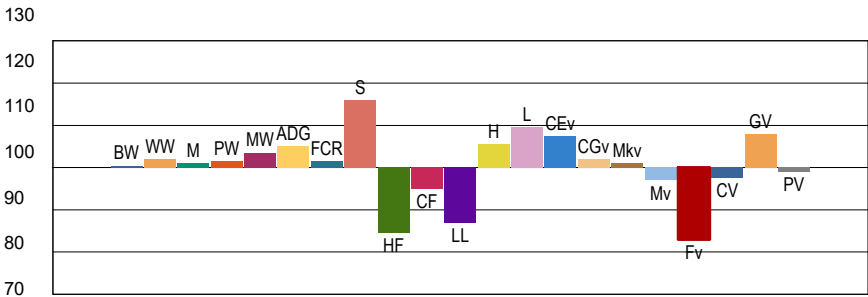
CEv Calving Ease Value
CGv Calf Growth Value
Mkv Milk Value
Mv Maintenance Value
Fv Fertility Value

CV Cow Value
GV Growth Value
PV Production Value

Sires of young animals

Sires of animals 3 years and younger

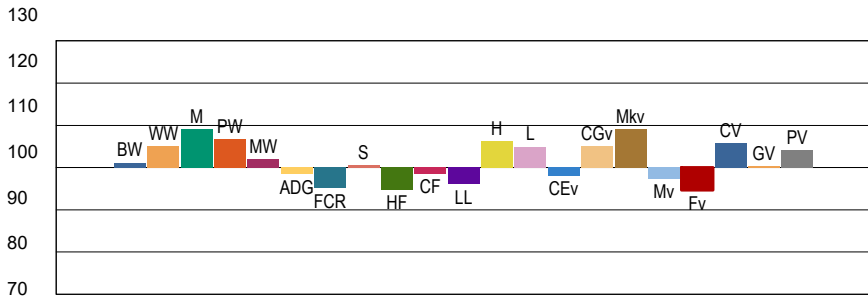
Number: 2



Cows older than 6 years

Cows born in 2019 and earlier

Number: 20



Bull Calves

Bull calves born in

Number:



Heifers

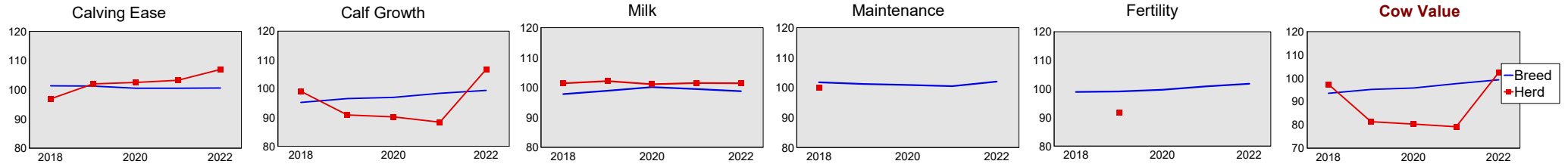
Heifers born in

Number:



Genetic Trends for On-Farm Traits

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



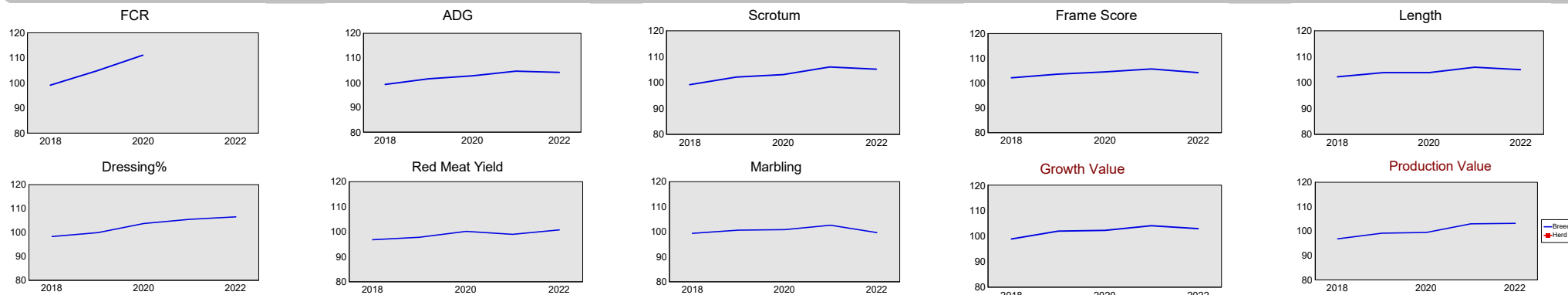
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility						Cow Value	
	Birth Weight		Calv. Ease	Dir EBV	Mat EBV	Weaning Weight	Calf Growth	Milk (Wn.Mat.)		12m weight		Mature Weight	Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility		
	Number	EBV				Number		EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV			Number
2018	85	1.90	0.45	97	78	27.0	99	78	6.22	101	77	42.0	100						67	20.4		97
2019	89	0.70	0.61	102	85	22.8	91	85	6.42	102					3	2.0			66	4.1	92	81
2020	75	0.86	0.51	102	72	22.4	90	72	6.14	101									53	2.9		80
2021	62	0.56	0.61	103	55	21.5	88	55	6.25	101												79
2022	32	1.56	-0.07	107	31	31.0	107	31	6.21	101												102

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility							Cow Value		
	Birth Weight		Calv. Ease	Dir EBV	Mat EBV	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		12m weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility			
	Number					Number	EBV		Number	EBV	Milk	Number	EBV	Number		EBV	Number	EBV	Number	EBV	Number			EBV	Number
2016	6110	1.43	0.38	101		4059	23.8	93		4059	5.09	98	1541	39.9	539	34	101	1014	-0.6	750	-2.4	6399	16.1	97	90
2017	6170	1.42	0.41	101		4082	24.2	94		4082	5.33	98	1576	40.3	632	35	102	1074	-1.7	871	-2.5	6367	16.0	98	92
2018	6109	1.43	0.38	101		4333	25.1	95		4333	5.17	98	1602	41.1	618	35	102	1047	-2.0	850	-2.6	6259	17.1	99	94
2019	5842	1.45	0.36	101		4093	25.7	97		4093	5.48	99	1522	42.2	753	37	101	1125	-1.6	892	-2.7	5806	17.8	99	95
2020	5717	1.45	0.40	101		4114	25.9	97		4114	5.84	100	1528	43.1	794	38	101	1136	-1.5	784	-2.6	5209	17.9	100	96
2021	5961	1.47	0.40	100		4399	26.7	98		4399	5.65	99	1665	44.6	536	38	100	950	-1.9	242	-2.7	1007	17.6	101	98
2022	5892	1.55	0.36	101		4420	27.2	99		4420	5.44	99	1729	44.2	154	33	102	395	-1.8	3	-8.3			102	99
2023	6303	1.50	0.40	100		4597	27.5	100		4597	5.79	100	1727	46.4			101	15	2.9					93	101
2024	6232	1.53	0.38	100		3161	28.3	102		3161	6.01	101	105	45.5			102								103
2025	984	1.60	0.33	101																					

Genetic Trends for Growth Test Traits



Herd

Birth Year	Growth									Frame						Carcass Traits						Selection Values		
	FCR			ADG			Scrotal Circumf.			Frame Score			Length			Number	Dressing%		RMeat Yield		Marbling		Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		EBV	EBVi	EBV	EBVi				
2018																								
2019																								
2020																								
2021																								
2022																								

Breed

Birth Year	Growth									Frame						Carcass Traits								Selection Values	
	FCR			ADG			Scrotal Circumf.			Frame Score			Length			Number	Dressing%		RMeat Yield		Marbling		Growth Value	Prod Value	
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		EBV	EBVi	EBV	EBVi	EBV	EBVi			
2016	56	-78	99	600	208	100	606	21.3	98	600	0	102	600	46	101	357	0.65	102	6.57	102	0.389	101	100	94	
2017	11	-97	108	370	199	98	401	22.1	100	377	0	102	372	46	101	201	0.57	98	5.00	96	0.409	101	98	94	
2018	18	-78	99	401	205	99	406	21.7	99	402	0	102	402	47	102	158	0.58	99	5.87	99	0.272	99	99	97	
2019	11	-90	105	439	215	102	455	23.2	102	439	0	104	439	49	104	308	0.60	100	6.26	101	0.367	101	102	99	
2020	8	-103	111	566	220	103	486	23.7	103	562	0	105	562	49	104	445	0.68	104	7.02	104	0.385	101	102	99	
2021				612	228	105	543	25.1	106	612	0	106	612	51	106	383	0.71	105	7.41	105	0.523	103	104	103	
2022	7	-104	111	552	226	104	509	24.7	105	552	0	104	552	50	105	391	0.74	106	7.55	106	0.289	100	103	103	
2023	12	-111	115	733	235	106	687	25.2	106	766	0	104	765	51	106	535	0.77	108	7.89	107	0.751	106	105	106	
2024				31	179	94	40	20.8	97	40	0	99	40	40	95	33	0.47	93	4.37	93	-0.584	88	95	90	

Percentile Table for Bulls (based on live animals)

%	Calf weight			Growth & efficiency				Fertility				Frame	
	Birth weight	Weaning weight	Milk (WW.Mat.)	Post wean	Mature weight	ADG	Kleiber	Scrotal circum.	Heifer Fertility	Cow Fertility	Longevity	Frame Score	Length
Mean	1.54	27.8	6.0	52.7	40	216	113	23.2	-0.4	-2.4	22.8	0	47
Top	-5.66	53.7	19.7	111.1	111	560	293	63.4	-33.9	-10.5	41.5	5	118
1	-1.63	45.4	13.7	84.8	78	382	201	41.2	-19.6	-7.0	35.1	3	83
2	-1.08	42.7	12.8	80.8	72	357	187	38.1	-18.0	-6.4	33.3	2	76
3	-0.74	41.2	12.2	77.6	68	338	179	36.2	-16.6	-6.1	32.4	2	74
4	-0.54	40.2	11.8	75.5	66	328	172	34.9	-15.5	-5.9	31.9	2	72
5	-0.36	39.4	11.5	74.1	64	318	167	33.9	-14.7	-5.6	31.4	2	70
6	-0.20	38.6	11.2	72.9	62	309	163	33.2	-13.8	-5.5	30.9	2	68
7	-0.08	37.9	10.9	71.8	61	303	159	32.5	-13.2	-5.3	30.4	2	67
8	0.01	37.4	10.7	70.5	60	297	156	31.8	-12.4	-5.2	30.0	2	66
9	0.09	36.9	10.5	69.5	59	292	154	31.3	-11.8	-5.0	29.7	1	65
10	0.15	36.5	10.3	68.7	58	289	151	30.9	-11.3	-4.9	29.5	1	64
20	0.67	33.3	8.8	62.9	52	260	137	28.0	-7.7	-4.0	27.8	1	57
30	1.00	31.2	7.7	59.1	47	241	127	26.0	-5.0	-3.4	26.4	1	52
40	1.28	29.3	6.8	55.6	43	226	119	24.3	-2.7	-2.9	25.3	0	49
50	1.53	27.6	6.1	52.6	40	213	111	22.8	-0.7	-2.5	24.1	0	45
60	1.79	26.0	5.3	49.2	36	199	103	21.4	1.4	-1.9	22.9	0	43
70	2.05	24.2	4.4	45.6	33	184	95	20.0	3.8	-1.4	21.4	0	40
80	2.40	22.1	3.3	41.7	29	168	86	18.3	7.0	-0.8	19.5	-1	36
90	2.98	19.5	1.7	36.9	22	146	75	15.8	11.0	0.1	14.6	-1	31
91	3.06	19.1	1.4	36.3	21	144	73	15.5	11.6	0.2	13.4	-1	30
92	3.16	18.7	1.2	35.5	20	141	72	15.0	12.2	0.4	11.7	-1	30
93	3.25	18.2	0.9	34.7	19	138	70	14.6	12.9	0.5	9.2	-1	28
94	3.37	17.6	0.6	33.8	18	134	67	14.1	13.5	0.7	6.1	-1	28
95	3.50	17.1	0.1	32.8	16	129	65	13.4	14.3	0.9	4.7	-2	27
96	3.67	16.4	-0.2	31.6	15	123	62	12.8	15.6	1.1	3.8	-2	25
97	3.85	15.6	-0.8	30.2	13	117	59	11.8	16.6	1.4	2.5	-2	24
98	4.11	14.4	-1.6	28.2	11	109	54	10.8	18.1	2.0	1.5	-2	21
99	4.55	12.8	-2.8	25.5	7	93	48	8.1	20.0	2.6	0.0	-2	17
Bottom	6.51	2.4	-7.7	2.5	-24	-35	-23	-5.1	34.1	5.6	-9.2	-4	-5

Percentile Table for Cows (based on live animals)

%	Calf weight			Growth & efficiency				Fertility				Frame	
	Birth weight	Weaning weight	Milk (WW.Mat.)	Post wean	Mature weight	ADG	Kleiber	Scrotal circum.	Heifer Fertility	Cow Fertility	Longevity	Frame Score	Length
Mean	1.57	27.3	5.7	51.6	38	204	108	21.8	-2.0	-2.9	23.3	0	44
Top	-4.93	53.9	25.0	106.3	122	539	261	53.3	-50.8	-15.2	39.8	5	123
1	-1.80	43.0	15.2	80.5	78	354	188	36.6	-26.2	-11.4	34.7	2	76
2	-1.30	41.1	13.7	76.9	72	328	176	34.8	-23.6	-10.4	33.5	2	72
3	-0.97	39.9	13.1	74.5	69	315	169	33.3	-21.7	-9.3	32.8	2	69
4	-0.73	38.8	12.5	72.7	66	307	164	32.5	-20.1	-8.5	32.2	2	67
5	-0.52	38.0	12.1	71.3	64	299	160	31.7	-19.1	-7.8	31.7	2	66
6	-0.36	37.4	11.7	70.1	62	293	157	31.1	-18.0	-7.3	31.4	1	65
7	-0.22	36.9	11.4	69.1	61	288	154	30.5	-17.2	-7.0	30.9	1	63
8	-0.11	36.5	11.1	68.3	59	284	151	30.1	-16.4	-6.8	30.6	1	62
9	-0.01	36.0	10.8	67.5	58	280	149	29.7	-15.7	-6.5	30.3	1	62
10	0.08	35.6	10.6	66.8	57	276	148	29.4	-15.2	-6.3	30.0	1	61
20	0.67	32.8	8.9	61.6	50	250	132	26.8	-10.4	-4.9	27.8	1	55
30	1.05	30.9	7.7	57.9	45	231	122	24.9	-7.1	-4.0	26.3	0	50
40	1.37	29.1	6.7	54.6	41	216	114	23.4	-4.4	-3.3	25.0	0	47
50	1.64	27.5	5.8	51.7	37	202	106	21.9	-1.9	-2.7	23.8	0	44
60	1.89	25.8	4.9	48.6	34	189	98	20.4	0.5	-2.1	22.6	0	41
70	2.17	24.0	3.9	45.2	30	176	91	18.8	3.1	-1.5	21.2	-1	38
80	2.51	21.9	2.6	41.5	25	158	82	16.9	6.3	-0.7	19.6	-1	34
90	2.97	18.8	0.8	36.3	18	135	70	13.8	11.1	0.4	16.7	-1	28
91	3.03	18.4	0.6	35.4	17	132	69	13.3	11.7	0.5	16.2	-1	27
92	3.12	17.9	0.2	34.5	16	129	67	12.9	12.4	0.7	15.6	-1	26
93	3.21	17.3	-0.1	33.6	15	125	65	12.4	13.1	0.9	14.8	-1	25
94	3.31	16.7	-0.4	32.7	14	121	63	11.8	13.9	1.1	14.0	-2	24
95	3.43	16.0	-0.8	31.5	12	115	60	11.3	14.9	1.3	12.9	-2	23
96	3.57	15.4	-1.3	30.1	10	108	57	10.5	16.1	1.7	11.1	-2	22
97	3.74	14.5	-1.9	28.4	8	101	53	9.3	17.6	2.0	8.0	-2	20
98	4.00	13.3	-2.8	26.2	5	91	48	8.1	19.7	2.5	4.0	-2	17
99	4.34	11.2	-3.9	22.3	0	76	39	5.9	23.1	3.3	1.4	-2	14
Bottom	7.49	0.7	-14.3	2.0	-39	-21	-40	-5.3	42.3	10.3	-12.7	-4	-2

Sires

Sire			Selection Values (SV / Acc)								Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass			Measured Progeny		
ID Name	Colour	Sire ID Dam ID	Calf Ease	Calf Grwth	Milk Value	Maint. Value	Fertility Value	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Milk Wn.Mat.	Comb Mat	12m wt	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Frame Score	Length	Dress %	RMeat Yield	Marb-ling			
			<75	75 - 125	>125	Breed average:					1.56	27.5	5.8	13.0	44	38	208	-80	22.2	-1.6	-2.8	23.1	0	45	0.61	6.1	0.32	Birth Grwth test	Wean Dght/Calv.	
CP 106372	R	CP 065087	98	109	108	105	73	104	98	102	1.39	32.4	8.0	16.2	52	31	224	-86	27.5	27.4	0.1	24.0	1	57	0.65	6.4	-0.33	17	13	
MEDALIST 6372		CP 023676	74	81	62	44	55	59	34	54	85	102	62	108	64	111	43	104	46	56	40	86	70	112	23	102	23	101	22	92
CP 178587	R	WE 140040	105	126	99	80	71	112	106	111	2.72	40.7	5.5	17.2	61	64	251	-86	35.9	22.2	-2.2	10.9	2	72	1.02	11.3	0.92	40	40	
OLY 8587		CP 085846	74	88	50	27	49	56	20	49	90	87	50	99	44	122	25	110	25	128	30	97	68	122	18	120	18	121	17	108
KHC 130027	R	HR 100387	77	115	95	85	89	98	124	103	3.87	35.3	4.4	14.7	52	58	315	-88	27.1	14.5	-3.9	20.4	3	84	0.94	11.4	0.76	64	25	
KHC1327		KHC 060092	77	85	60	37	55	60	51	58	93	75	60	95	62	110	68	124	76	110	37	105	83	78	30	116	30	121	27	106
KHC 130052	R	HR 100387	85	100	114	89	92	95	117	99	1.58	27.6	10.0	15.9	45	51	249	-83	32.6	-2.8	0.2	21.2	2	58	0.73	7.3	0.88	89	21	
KHC1352		KHC 030011	82	84	69	41	60	63	52	61	95	100	69	114	60	102	71	109	78	121	42	86	88	80	31	106	31	105	30	107
KHC 160022	R	KHC 140012	115	137	115	77	93	142	135	144	0.24	46.5	10.1	22.2	80	67	295	-86	37.6	2.1	-3.1	17.5	1	76	1.46	14.9	2.39	23	23	
KHC 160022		KHC 140069	70	83	53	34	47	55	43	53	86	114	53	115	56	146	62	120	72	132	25	102	69	73	28	142	28	135	26	127
KHC 160045	R	KHC 130012	77	100	93	112	98	92	83	89	4.32	27.6	3.7	11.7	38	24	137	-65	8.7	-5.3	-2.3	19.3	0	34	0.39	1.6	0.39	33	32	
KHC160045		KHC 070026	72	87	54	26	49	56	46	54	89	70	54	93	64	93	63	84	72	72	29	98	76	74	22	89	22	82	19	101
R240	R	B152	101	106	109	105	104	113	134	118	1.13	30.5	8.4	15.7	55	31	356	-141	34.1	4.2	-5.1	26.1	2	59	1.21	13.4	-0.79	473	346	
ANDRAS NEW		B111	98	98	97	92	92	86	78	84	99	105	97	109	96	114	93	134	95	124	84	111	97	96	91	130	91	129	90	86
DIRECTION R240														108		94	61	129	95	93	106	114							412	
WB 160138	R	R240	110	78	103	114	95	83	110	87	0.27	16.0	6.6	9.8	30	20	208	-81	24.1	-1.3	-1.3	22.4	-1	36	0.55	5.3	-1.03	4	3	
WB160138		WB 120001	71	73	63	57	57	59	56	58	77	114	63	103	62	82	70	100	76	104	48	93	66	78	70	97	70	97	67	83

Bulls

Inbreeding in red is high

EBV
Acc Index

Breeding values with an accuracy < 5% are not printed

Bull			Selection Values (SV / Acc)								Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass						
ID	Name	Colour	Sire ID	Dam ID	Calf Ease	Calf Grwth	Milk Value	Maint. Value	Fertility Value	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Milk Wn.Mat.	Comb Mat.	12m weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Frame Score	Length	Dress%	RMeat Yield	Marb-ling		
					Breed average:										1.56	27.5	5.8	13.0	43.8	38	208	-80	22.2	-1.6	-2.8	23.1	0	45	0.61	6.1	0.32
					<75	75 - 125	>125	Shaded EBVi				90-110	>100	>100	>100	>100	90-110	>100	>100	>100	>100	>100	>100	>100	90-110	90-110	>100	>100	>100		
WB 160138	R		R240			110	78	103	114	95	83	110	87	0.27	16.0	6.6	9.8	29.9	20	208	-81	24.1	-1.3	-1.3	22.4	-1	36	0.5	5.3	-1.03	
WB160138			WB 120001			71	73	63	57	57	59	56	58	77	114	63	103	62	82	57	85	70	100	36	100	76	104	70	97	67	83
EA 180018	R	2	KHC 130027			73	121	90	86	91	102	109	103	5.17	38.4	3.0	14.8	52.9	57	253	-75	24.7	10.9	-3.5	20.6	1	66	0.8	8.8	1.01	
18 0018			KHC 110012			61	67	48	28	40	46	31	43	71	61	48	90	46	112	28	115	42	110	16	98	46	105	38	84	18	109
EA 220004	R					96	116	107	80	71	101			1.34	35.6	7.7	17.0	54.9	64	243	-156	33.2	14.1	-3.4	1.0	2	68	0.8	10.6	2.25	
22 004			EA 190011			44	54	28	11	20	31			59	102	54	116	28	107	11	122	19	108	6	136	22	123	23	80	9	118
EA 220030	R	1	CP 178587			117	113	96	88	93	113	106	111	0.85	34.3	4.6	14.5	54.9	53	231	-82	33.2	5.4	-3.4	18.8	1	62	0.9	9.3	0.39	
22 030			KHC 120061			61	68	48	29	37	46	20	41	71	108	68	113	35	114	29	112	27	105	11	101	29	123	38	91	15	113

Cows

Inbreeding in red is high

EBV
Acc Index

Breeding values with an accuracy < 5% are not printed

Cow			Selection Values (SV / Acc)							Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass										
ID Name		Sire ID Dam ID	Calf Ease	Calf Grwth	Milk Value	Maint. Value	Fertility Value	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Milk Wn.Mat.	Comb Mat.	12m weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Frame Score	Length	Dress%	RMeat Yield	Marb-ling							
Colour % Inbr.	Breed average:										1.56	27.5	5.8	13.0	43.8	38	208	-80	22.2	-1.6	-2.8	23.1	0	45	0.61	6.1	0.32							
	Shaded EBVi										90-110	>100	>100	>100	>100	90-110	>100	>100	>100	>100	>100	>100	>100	90-110	90-110	>100	>100	>100						
	<75	75 - 125		>125																														
KHC 170007	R 2	KHC 130052 KHC 080080	93 63	102 57	116 52	93 29	98 42	103 45	113 35	105 43	1.71 72	28.4 98	10.4 52	16.4 111	45.6 45	44 102	229 29	-64 105	19 93	30.4 51	-6.8 40	-1.4 107	21.2 30	93 96	57 57	1 52	61 115	50 50	0.76 20	7.1 107	0.92 20	104 104	20 20	108 108
KHC 170010	R 4	KHC 130052 KHC 080011	99 63	87 56	110 51	99 28	86 42	85 44	102 33	86 42	0.54 72	20.8 111	8.8 51	12.8 102	35.2 45	38 89	185 44	-66 95	19 93	25.9 48	-0.9 40	0.2 29	16.6 57	87 87	0 48	40 101	47 47	0.63 23	4.3 101	0.09 23	93 93	22 22	97 97	
EA 180013	R 1	KHC 130027 KHC 150010	112 58	118 66	95 45	89 23	106 37	121 44	113 28	120 41	1.54 70	37.0 100	4.3 45	15.2 103	59.4 44	53 120	270 39	-87 114	14 103	27.5 44	3.2 34	-6.3 24	23.7 52	101 101	2 45	72 120	43 43	0.85 16	10.1 112	0.62 16	116 116	14 14	104 104	
EA 180021	R 3	KHC 160022 KHC 160049	107 58	138 66	104 46	80 22	101 34	140 43	124 28	139 40	2.06 70	47.2 95	7.0 46	20.4 115	76.7 44	64 142	295 39	-91 120	12 105	35.8 44	3.0 128	-5.3 32	20.7 48	95 95	1 45	77 115	43 43	1.34 18	13.3 136	1.84 18	129 129	17 17	120 120	
EA 180026	R 2	KHC 160045 KHC 120073	85 61	113 67	99 47	96 28	110 38	111 46	88 30	106 43	3.97 71	34.1 74	5.6 47	15.1 104	48.8 48	43 106	166 28	-65 104	41 91	15 93	15.1 46	-3.6 36	-7.1 103	20.6 25	95 122	0 47	43 105	45 45	0.54 15	4.0 92	0.77 13	106 106		
EA 180036	R 25	KHC 160045 KHC 070026	95 60	80 68	119 48	110 22	100 38	88 45	74 32	83 42	1.08 71	17.3 105	11.3 48	13.3 106	28.9 53	23 81	99 42	-50 76	17 86	6.1 48	-7.3 37	-2.9 108	18.3 25	90 101	0 49	30 102	47 47	0.18 15	-0.5 79	0.11 15	73 73	0.11 13	97 97	
EA 180040	R 1	KHC 160022 KHC 160052	99 58	137 66	110 45	78 22	90 34	134 43	127 28	134 40	1.52 70	46.7 100	8.7 45	21.4 119	76.8 44	66 142	291 38	-90 119	13 105	37.6 43	7.1 32	-2.0 89	20.5 21	95 96	2 44	73 120	42 42	1.18 18	12.8 128	1.77 17	119 119	17 17	119 119	
EA 180045	R	CP 106372 CBC 070193	109 59	93 65	129 47	92 36	84 42	99 47	89 33	96 44	-0.44 69	23.7 122	14.3 47	17.4 117	43.6 51	45 100	188 36	-81 105	28 100	29.1 38	11.7 44	0.3 83	24.3 51	102 102	0 39	43 101	38 38	0.56 29	4.6 97	0.20 29	94 94	27 27	99 99	
EA 180047	R 2	KHC 160045 KHC 100035	83 60	82 67	98 47	124 25	98 37	80 45	76 31	77 42	2.79 71	18.2 87	5.2 47	9.5 93	25.7 48	11 77	80 42	-30 71	15 76	7.9 48	-6.9 36	-2.0 107	19.0 53	92 92	-1 49	19 88	47 47	-0.03 14	-2.7 69	-0.39 14	91 65	13 13	91 91	
EA 180055	R 4	KHC 130052 KHC 110063	80 63	112 67	123 54	86 32	113 42	116 48	118 35	117 45	2.11 72	33.5 94	12.6 54	19.6 119	54.8 46	53 114	267 46	-90 113	19 104	30.0 51	-8.6 39	-5.1 109	25.6 58	105 105	2 52	61 124	50 50	0.76 24	9.0 107	1.61 24	112 112	23 23	117 117	
EA 180057	R 1	KHC 160045 KHC 090007	97 60	102 67	81 46	114 22	96 38	96 45	75 30	90 42	3.25 71	28.3 82	0.4 46	9.7 88	39.8 47	22 95	79 22	-36 86	15 79	1.1 45	-5.0 36	-1.6 105	18.9 25	91 91	-1 46	17 84	44 44	0.14 16	-1.3 77	0.28 16	99 70	15 15	99 99	
EA 180058	R 7	KHC 130027 KHC 150058	99 60	104 66	113 46	96 25	103 37	110 45	110 30	110 42	1.20 71	29.6 104	9.5 46	16.2 110	49.7 46	42 107	245 25	-78 103	16 99	22.8 46	1.1 31	-4.9 97	23.2 26	100 111	1 47	60 114	45 45	0.70 18	7.5 104	0.27 18	99 106	17 17	99 99	
EA 180069	R 2	CP 106372 JE 040068	119 61	90 66	113 50	110 28	90 40	100 46	88 26	97 42	-0.45 70	22.3 122	9.5 50	13.8 105	39.2 50	24 94	166 28	-65 88	20 93	17.1 32	5.9 41	-1.5 90	21.2 29	96 96	0 33	39 100	32 32	0.37 18	2.9 88	-0.81 18	77 87	17 17	86 86	
EA 180074	R 1	CP 106372 CP 085796	104 58	91 65	102 45	113 26	86 39	90 44	84 20	87 39	0.64 69	22.6 110	6.3 45	11.7 98	36.4 47	22 91	143 26	-59 86	14 90	18.7 28	8.3 41	-0.6 87	21.1 27	96 96	-1 28	31 92	27 27	0.30 16	1.4 85	-0.30 16	92 81	14 14	92 92	
EA 180075	R 1	KHC 130027 KHC 110027	92 61	111 67	112 49	92 26	106 40	114 46	115 31	115 43	1.65 71	33.4 99	9.2 49	17.3 112	54.6 48	47 114	279 26	-82 107	17 101	26.3 45	0.4 39	-6.2 97	21.9 26	97 117	2 46	75 121	45 45	0.93 20	10.2 116	1.01 20	117 117	18 18	109 109	
EA 180077	R	CP 106372 CP 085772	101 59	98 66	111 47	103 29	82 41	97 46	92 23	95 41	0.29 69	26.5 114	8.9 47	14.8 107	45.3 48	32 102	174 28	-68 92	17 94	20.0 30	11.4 43	0.8 30	23.0 50	100 100	0 30	45 102	29 29	0.42 16	3.9 91	0.08 16	91 91	15 15	97 97	
EA 180079	R	CP 106372 CBC 060139	101 59	99 65	109 46	93 30	87 40	96 45	89 24	93 41	1.38 69	26.8 102	8.5 46	14.6 106	42.8 50	46 99	174 29	-71 92	17 95	21.4 32	17.2 42	-3.3 76	21.9 27	97 103	0 29	44 101	28 28	0.45 14	4.6 92	0.37 14	94 94	12 12	101 101	
EA 180085	R 1	KHC 160022 KHC 160107	102 58	112 66	125 44	80 23	90 33	115 43	119 27	116 40	0.45 70	33.6 112	13.1 44	19.9 121	58.6 43	61 119	254 38	-78 110	11 99	31.4 43	8.0 31	-1.8 88	22.4 21	98 98	1 44	65 113	42 42	1.05 16	10.4 122	1.61 16	117 117	15 15	117 117	
EA 180086	R 1	KHC 160022 KHC 160026	92 57	128 66	110 44	87 24	85 36	122 44	126 26	124 40	1.51 69	42.0 101	8.8 44	19.9 116	70.8 46	54 134	272 36	-84 115	11 102	23.6 42	1.5 38	1.3 96	20.1 22	94 94	0 42	65 106	40 40	1.15 20	11.7 127	1.14 20	119 122	19 19	111 111	
EA 180114	R 1	CP 106372 CP 085923	92 58	104 53	102 43	110 26	82 38	98 41	86 22	94 37	2.38 68	29.4 91	6.5 43	14.2 103	45.4 40	26 102	158 26	-63 89	16 92	21.1 28	11.2 41	-0.1 83	20.3 26	94 94	0 28	40 101	28 28	0.37 16	2.8 88	-0.08 16	97 87	15 15	95 95	

Cows

Inbreeding in red is high

EBV
Acc Index

Breeding values with an accuracy < 5% are not printed

Cow			Selection Values (SV / Acc)							Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass						
ID	Colour % Inbr.	Sire ID Dam ID	Calf Ease	Calf Grwth	Milk Value	Maint. Value	Fertility Value	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Milk Wn.Mat.	Comb Mat.	12m weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longe- vity	Frame Score	Length	Dress%	RMeat Yield	Marb- ling			
Name		Breed average:									1.56	27.5	5.8	13.0	43.8	38	208	-80	22.2	-1.6	-2.8	23.1	0	45	0.61	6.1	0.32			
		<75	75 - 125	>125	Shaded EBVi						90-110	>100	>100	>100	>100	90-110	>100	>100	>100	>100	>100	>100	>100	90-110	90-110	>100	>100	>100		
EA 190008 19 008	R	KHC 080007	85 53	125 58	102 40	67 22	68 31	101 39	105 21	101 35	2.91 63	40.5 85	6.3 40	17.7 110	60.2 34	85 121	264 27	-167 113	13 141	38.8 29	23.4 32	-4.9 23	1.0 110	38 55	2 30	77 132	1.01 18	11.9 123	2.30 17	125
EA 190009 19 009	R	KHC 120066	108 51	92 58	90 38	95 23	69 27	77 38			0.63 62	23.3 110	3.0 38	9.8 91	34.0 22	45 23	153 106	-132 88	13 125	13.7 24	14.7 29	-2.4 18	2.0 98	34 57	0 24	39 105	0.26 19	4.2 83	1.23 18	112
EA 190012 19 012	R	KHC 150026	107 49	85 37	107 36	102 21	86 29	85 31	85 20	83 29	0.40 59	19.7 113	7.8 36	11.8 100	30.0 24	34 21	148 97	-137 25	13 86	14.2 27	3.6 30	-5.3 20	4.5 113	36 62	0 27	33 99	0.19 19	3.1 79	1.94 88	121
EA 190017 19 017	R	JWB 050034	101 54	63 59	117 43	106 34	69 34	57 42	79 29	58 39	-3.22 63	8.4 152	10.8 43	10.0 99	18.2 32	29 67	138 31	-124 84	25 121	19.4 33	10.7 33	-2.4 29	-1.2 98	40 50	0 33	39 97	0.36 23	3.0 88	1.40 22	114
EA 190019 19 019	R	KHC 140048	103 50	89 57	92 35	93 18	64 27	71 36			1.34 62	22.0 102	3.4 35	9.6 91	31.1 22	48 18	174 108	-142 24	10 130	21.0 25	18.5 27	-1.1 20	3.3 34	59 59	0 25	43 103	0.32 20	4.6 86	1.25 18	112
EA 190022 19 022	R	JWB 050016	87 54	96 60	94 43	96 30	79 35	79 42	88 29	78 39	2.60 64	25.2 89	4.0 43	11.1 95	33.7 32	44 87	153 104	-123 34	22 88	18.3 37	4.5 92	-4.2 29	0.0 107	41 53	0 37	41 99	0.50 22	4.5 95	1.80 22	119
EA 190028 19 028	R	KHC 130009	108 49	74 57	111 36	94 20	80 28	70 37	89 20	71 34	-1.95 62	14.1 138	9.0 36	10.7 111	25.7 26	44 77	161 24	-133 90	13 125	18.6 26	6.1 29	-4.4 20	1.7 108	35 56	0 26	43 105	0.35 14	4.3 87	1.21 14	111
EA 190041 19 041	R	KHC 110043	85 51	79 58	104 38	104 17	78 27	66 37			1.49 62	16.4 101	6.9 38	10.0 96	22.1 20	32 73	120 25	-121 80	9 120	17.5 28	6.0 29	-5.0 16	-1.3 111	37 50	0 28	32 98	0.10 6	1.5 75	1.11 5	110
EA 190042 19 042	R	KHC 080006	109 53	86 59	111 41	99 23	83 31	86 40	87 22	84 36	-0.35 63	20.2 121	9.0 41	12.7 103	33.3 35	37 87	140 30	-132 85	11 125	22.1 34	1.7 100	-4.4 32	1.7 96	40 56	0 34	39 97	0.36 15	3.8 88	1.17 15	111
EA 190045 19 045	R	KHC 130026	98 50	60 57	123 35	96 14	79 25	57 35			-2.63 62	7.0 145	12.5 35	10.7 102	15.7 18	40 14	126 101	-124 21	6 121	14.3 23	5.5 84	-3.9 25	1.3 91	34 55	-1 23	33 89	0.20 8	2.2 80	1.22 8	112
EA 190046 19 046	R	KHC 110023	85 52	108 58	101 40	82 21	84 29	93 38	88 20	91 34	2.63 62	31.9 88	6.0 40	14.6 101	44.4 26	61 101	180 21	-146 94	10 131	20.7 30	8.7 30	-7.7 20	-0.4 125	37 52	1 30	55 118	0.50 10	6.4 10	1.90 9	120
EA 190053 19 053	R	KHC 090074	107 53	74 58	121 40	92 21	83 30	74 39	86 22	73 36	-1.76 63	13.9 136	12.0 40	12.6 105	25.3 28	46 76	169 21	-132 106	13 125	20.4 30	5.9 30	-5.2 22	2.8 112	38 58	0 31	48 103	0.43 14	4.2 91	1.34 14	113
EA 190054 19 054	R	KHC 120073	104 53	77 58	104 38	100 25	85 29	72 39	74 20	69 35	0.94 63	15.6 107	6.8 38	9.8 104	20.7 26	38 71	99 25	-117 76	11 117	12.3 29	5.1 80	-6.5 20	1.5 118	37 56	-1 29	28 93	0.12 10	0.8 76	1.32 9	113
EA 190058 19 058	R	KHC 120033	102 51	76 58	90 37	107 19	63 28	59 37			1.28 62	15.1 103	3.0 37	7.0 85	19.5 24	29 69	96 19	-122 92	9 120	13.7 27	11.7 30	1.2 19	3.0 81	36 59	-1 27	24 93	0.08 12	0.1 74	0.99 12	109
EA 190060 19 060	R	KHC 110027	96 52	92 58	106 39	99 19	85 28	87 38			0.87 62	23.6 108	7.5 39	12.9 101	35.9 28	38 90	173 19	-137 92	11 127	21.2 25	3.5 31	-5.7 18	2.3 115	36 57	1 25	50 107	0.50 12	5.6 95	1.71 11	118
EA 190062 19 062	R	KHC 090032	123 52	82 58	83 38	104 16	55 28	65 37			0.30 62	18.2 114	0.9 38	6.7 83	25.7 24	35 77	114 18	-133 79	9 125	17.5 20	19.4 29	0.6 18	-2.2 83	37 48	-1 21	29 91	0.21 9	2.0 81	0.83 8	107
EA 190074 19 074	R	JE 040068	116 53	83 58	100 39	99 17	76 30	78 38	81 20	76 34	-0.07 63	18.6 118	5.9 39	10.2 100	27.8 30	38 80	139 21	-134 85	17 126	16.1 23	5.6 30	-3.6 22	-0.7 104	37 51	0 23	38 105	0.25 14	3.3 83	0.67 13	104
EA 190084 19 084	R	KHC 090044	116 53	72 58	109 40	102 18	65 30	66 38	76 20	65 34	-0.48 63	13.0 122	8.5 40	10.0 109	20.1 28	34 70	112 18	-118 96	13 118	14.0 27	19.0 31	-2.9 22	-0.8 101	38 51	0 27	35 96	0.18 14	1.3 79	1.14 14	111
EA 190087 19 087	R	KHC 090005	85 52	120 57	87 35	85 18	65 29	94 37			3.53 62	38.0 79	2.2 35	14.1 98	52.1 25	59 110	180 18	-145 117	11 131	20.2 26	14.2 28	-2.3 20	-2.7 98	38 47	1 26	54 115	0.58 12	7.2 99	1.80 12	119
EA 190089 19 089	R	KHC 100023	98 52	75 58	114 39	100 19	70 28	67 38			0.42 62	14.7 112	9.9 39	11.5 101	23.2 24	36 74	123 25	-130 81	8 124	18.7 28	10.8 30	-1.2 18	3.1 92	36 59	0 28	34 101	0.16 10	2.0 78	0.96 9	108

Cows

Inbreeding in red is high

EBV
Acc Index

Breeding values with an accuracy < 5% are not printed

Cow			Selection Values (SV / Acc)							Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass										
ID	Colour % Inbr.	Sire ID Dam ID	Calf Ease	Calf Grwth	Milk Value	Maint. Value	Fertility Value	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Milk Wn.Mat.	Comb Mat.	12m weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Frame Score	Length	Dress%	RMeat Yield	Marb-ling							
Name		Breed average:									1.56	27.5	5.8	13.0	43.8	38	208	-80	22.2	-1.6	-2.8	23.1	0	45	0.61	6.1	0.32							
		<75	75 - 125	>125	Shaded EBVi						90-110	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	90-110	90-110	>100	>100	>100						
EA 190092 19 092	R	KHC 130002	111 52	96 57	101 38	95 22	79 26	91 37	94 20	90 34	0.50 62	25.3 112	6.1 38	12.5 101	39.0 25	43 22	185 26	-144 12	130	23.4 29	11.2 103	-4.7 18	110 110	4.7 36	62	1 29	51 113	28 106	0.47 14	6.3 14	1.39 101	14 14	114	
EA 190094 19 094	R	KHC 140042	91 51	79 58	102 38	91 23	69 28	60 38			1.23 62	16.5 104	6.4 38	9.8 102	24.3 24	49 23	151 24	-139 9	128	20.2 26	8.0 29	-0.5 20	2.0 89	35 57	0 26	35 98	25 25	90	0.25 20	2.9 20	1.03 87	14 19	109	
EA 190097 19 097	R	KHC 130068	103 51	77 58	105 38	106 19	60 28	64 37	84 20	64 34	0.20 62	15.5 115	7.2 38	9.9 105	23.4 24	30 19	132 25	-127 83	122	15.3 26	19.3 28	0.3 21	2.7 85	36 58	0 27	35 103	26 26	90	0.21 14	2.5 14	1.09 86	14 14	110	
EA 200004 20 004	R	KHC 120055	90 52	92 58	115 39	104 23	79 29	88 38	89 22	86 35	1.13 62	23.5 105	10.2 39	14.6 115	35.8 23	31 30	174 29	-141 92	139	21.8 32	10.3 99	-4.8 30	3.4 110	3.6 60	1 32	51 115	31 31	106	0.39 18	5.3 89	1.87 18	97	180	
EA 200005 20 005	R	KHC 100037	112 52	125 58	87 39	79 21	75 29	110 38	93 22	107 35	1.64 63	40.4 99	2.0 39	14.8 87	58.5 26	68 21	193 31	-153 97	135	25.5 33	16.1 30	-5.2 19	2.7 112	3.8 58	1 34	57 118	33 33	112	0.61 10	8.6 10	1.63 110	10 10	117	
EA 200007 20 007	R 2	CP 178587 KHC 130026	118 59	120 66	114 44	74 20	89 35	122 43			0.88 70	37.8 107	9.9 44	19.2 114	61.1 28	73 20	275 24	-90 115	105	33.9 26	12.8 35	-5.0 22	15.7 111	48 85	1 26	75 116	26 26	130	1.06 12	12.0 12	1.10 124	12 12	110	
EA 200012 20 012	R 2	CP 178587 KHC 120068	126 59	89 67	108 43	93 21	82 37	92 44	89 20	90 39	-0.07 70	22.0 118	8.2 43	12.8 108	36.1 32	46 21	159 27	-54 89	11	88	19.1 29	17.0 94	-3.0 38	16.6 76	49 87	0 30	44 100	29 29	99	0.50 14	4.4 95	0.60 14	12 93	104
EA 200014 20 014	R	KHC 150023	110 51	87 58	91 37	97 19	81 26	78 37			0.63 62	20.7 110	3.2 37	9.0 91	30.3 28	42 19	133 24	-132 8	125	16.8 25	5.6 89	-4.6 19	2.7 109	3.5 58	-1 25	33 91	25 25	88	0.36 18	3.0 88	1.81 17	18 88	119	
EA 200017 20 017	R	KHC 100035	107 53	71 58	101 39	107 21	73 28	64 38	77 21	63 35	-0.10 63	12.7 118	6.2 39	8.4 101	18.4 25	28 21	96 28	-113 11	116	16.3 31	9.5 30	-2.9 17	1.0 101	37 55	0 31	29 97	30 30	84	-0.01 10	0.0 10	0.73 9	76	105	
EA 200019 20 019	R	KHC 100014	121 52	78 58	109 38	95 17	73 28	76 37			-0.39 62	16.1 121	8.4 38	11.0 109	25.5 22	43 17	133 23	-135 7	126	19.0 26	14.3 30	-3.0 18	5.0 101	36 63	0 25	41 106	25 25	96	0.23 11	2.8 81	0.89 9	11 87	107	
EA 200022 20 022	R	KHC 100012	123 53	72 59	103 41	107 20	89 28	77 39			-0.62 63	12.8 124	6.6 41	8.7 103	20.1 24	29 20	113 92	-128 7	123	14.4 30	2.0 30	-4.6 17	8.4 109	38 70	0 30	30 95	29 29	85	0.12 12	1.2 76	1.21 10	12 80	111	
EA 200025 20 025	R	KHC 140038	106 49	79 57	102 33	98 19	63 27	65 36			0.27 61	16.5 114	6.3 33	9.7 102	25.5 20	40 19	147 23	-139 8	128	19.0 25	15.7 28	-0.4 18	1.7 88	34 56	0 25	34 99	25 25	90	0.18 18	2.8 18	0.82 18	87	106	
EA 200028 20 028	R	KHC 090007	102 52	93 58	75 37	106 18	71 29	73 37			2.31 62	23.8 92	-1.4 37	7.0 81	29.8 26	33 82	71 18	-111 95	121	6.3 22	9.2 68	-2.1 29	1.0 97	37 55	-1 27	20 87	26 26	75	0.03 12	-0.2 72	1.23 12	75	112	
EA 200034 20 034	R	KHC 160021	99 51	106 58	88 38	96 25	73 31	90 39	93 23	89 36	1.99 62	30.5 95	2.4 38	11.8 88	43.6 29	44 25	194 105	-154 18	135	22.0 28	12.0 32	-2.7 26	3.1 100	36 59	0 28	46 106	28 28	101	0.58 24	6.8 24	1.23 103	24 24	112	
EA 200041 20 041	R	KHC 130002	111 52	62 57	109 38	114 22	82 26	64 37	79 20	63 34	-1.65 62	7.8 135	8.5 38	8.3 109	15.0 25	20 22	99 26	-118 12	118	12.0 29	4.0 23	-3.2 18	5.8 102	36 65	-1 29	24 92	28 28	80	0.03 14	0.1 14	0.81 76	14	106	
EA 200043 20 043	R	KHC 100029	109 53	73 58	85 41	107 19	80 27	62 38			0.39 63	13.4 113	1.5 41	5.5 81	18.5 24	30 68	70 24	-110 69	114	6.6 27	-0.7 68	-2.7 16	2.0 100	36 57	-2 28	13 80	27 27	68	0.00 12	-1.7 70	0.99 12	69	109	
EA 200050 20 050	R	KHC 110063	99 53	85 59	119 42	94 24	91 30	87 40	93 23	86 37	0.21 63	19.9 115	11.4 42	14.2 119	32.0 26	43 24	176 30	-142 93	130	19.6 33	2.0 31	-6.3 21	5.9 118	37 65	1 34	43 107	33 33	98	0.33 19	5.2 86	2.13 19	96	123	
EA 200054 20 054	R 1	CP 178587 KHC 160038	98 59	113 67	97 46	86 23	91 37	105 45			2.76 70	34.4 87	4.9 46	14.7 102	51.8 34	57 23	231 116	-84 10	102	28.4 28	5.7 38	-4.4 24	14.4 108	48 82	0 28	58 105	27 27	113	0.99 20	8.9 119	1.25 20	111	112	
EA 200061 20 061	R 2	CP 178587 KHC 110077	92 60	109 68	122 47	87 24	87 38	107 45	100 22	105 40	1.84 71	31.9 97	12.2 47	18.8 122	50.6 34	52 24	228 105	-74 13	97	28.8 31	7.6 38	-2.8 26	16.3 100	50 86	1 31	107 30	62 30	116	0.87 16	8.6 113	1.26 16	110	112	
EA 200078 20 078	R	KHC 160049	100 50	102 57	93 37	94 15	78 25	89 36			2.10 62	28.5 94	3.8 37	12.0 93	40.5 22	46 15	178 23	-141 93	129	22.5 25	11.0 22	-4.9 19	2.9 111	34 58	1 25	50 107	24 24	105	0.55 12	5.7 97	1.60 11	98	116	

Cows

			Inbreeding in red is high								EBV Acc Index		Breeding values with an accuracy < 5% are not printed															
Cow			Selection Values (SV / Acc)								Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass			
ID		Sire ID	Calf	Calf	Milk	Maint.	Fertility	Cow	Grwth	Prod.	Birth	Wean	Milk	Comb	12m	Mature	ADG	FCR	Scrotal	Heifer	Cow	Longe-	Frame	Length	Dress%	RMeat	Marb-	
Name		Dam ID	Ease	Grwth	Value	Value	Value	Value	Value	Value	Weight	Weight	Wn.Mat.	Mat.	weight	Weight			Circumf.	Fert.	Fert.	vity	Score		%	Yield	ling	
	Colour	% Inbr.	Breed average:								1.56	27.5	5.8	13.0	43.8	38	208	-80	22.2	-1.6	-2.8	23.1	0	45	0.61	6.1	0.32	
			<75	75 - 125	>125	Shaded EBVi					90-110	>100	>100	>100	>100	90-110	>100	>100	>100	>100	>100	>100	>100	90-110	90-110	>100	>100	>100
EA 200079	R	KHC 140048	107 50	91 57	94 35	93 18	65 27	75 36			1.01 62	22.9 106	3.9 35	10.3 94	33.4 22	48 18	173 24	-142 10	21.0 25	18.7 27	-1.2 20	4.5 34	0 25	43 98	0.32 20	4.6 20	1.25 18	
EA 200081	R	KHC 160041	99 50	91 58	82 37	102 19	83 28	76 37			2.02 62	22.6 95	0.4 37	7.8 85	29.9 26	37 19	104 24	-131 5	13.6 26	1.4 30	-5.0 18	0.5 35	-1 26	24 88	0.22 17	1.2 17	1.26 16	
EA 200085	R	KHC 130068	100 51	92 58	103 38	99 19	60 28	77 37	89 20	76 34	0.77 61	23.3 109	6.7 38	12.2 103	34.9 24	39 19	163 25	-136 13	19.5 26	22.8 28	-0.4 21	3.9 35	1 27	44 111	0.37 14	4.8 14	1.30 14	
EA 200089	R 1	CP 178587 KHC 140042	87 60	110 67	98 46	82 27	80 37	92 45	101 20	93 40	3.31 70	32.4 81	5.2 46	14.3 102	48.6 32	62 106	224 27	-82 12	29.9 29	9.1 38	-0.3 25	16.4 48	1 29	54 107	0.73 22	7.5 22	0.42 106	
EA 210003	R	KHC 120033	108 51	53 57	105 37	112 19	64 28	44 37			-1.99 62	3.1 139	7.3 37	5.9 105	7.1 24	23 19	72 25	-114 9	10.6 27	9.5 30	1.6 19	4.0 78	-1 27	16 87	-0.04 12	-1.6 12	0.83 69	
EA 210005	R	KHC 090015	124 53	96 58	109 39	90 21	83 30	99 38	94 24	97 35	-0.48 63	25.5 122	8.6 39	14.2 109	40.5 30	50 21	197 31	-137 16	28.6 33	7.1 31	-6.8 22	-0.1 120	1 33	63 109	0.68 16	7.9 16	2.04 107	
EA 210006	R	KHC 110029	105 52	51 58	102 39	122 20	89 29	52 38	66 20	50 34	-2.40 62	2.2 143	6.5 39	5.1 102	5.5 27	12 20	61 78	-111 11	10.9 29	-4.8 31	-4.7 18	3.0 110	-1 30	16 86	-0.15 12	-2.3 12	0.87 66	
EA 210010	R	KHC 120055	97 52	79 58	119 39	109 23	79 29	79 38	86 22	78 35	0.12 62	16.8 116	11.4 39	13.2 119	27.0 23	25 88	152 29	-134 13	18.8 32	8.0 30	-4.3 20	3.2 108	1 32	44 110	0.27 18	3.8 18	1.72 91	
EA 210011	R	KHC 100029	103 53	76 58	82 41	106 19	80 27	62 38			1.05 63	14.9 106	0.6 41	5.3 80	19.4 24	31 69	75 24	-112 10	7.3 27	-0.6 28	-2.7 16	1.8 100	-1 28	14 81	0.02 12	-1.4 12	1.02 70	
EA 210013	R	KHC 160030	93 48	59 57	116 32	103 16	74 25	51 35			-2.87 61	6.1 148	10.4 32	9.0 116	15.6 22	118 64	112 80	-127 7	15.2 24	2.2 86	-0.3 15	4.0 88	-1 24	26 87	0.18 15	1.2 15	1.11 80	
EA 210014	R	KHC 120066	104 51	95 58	88 38	95 23	70 27	78 38			1.05 62	24.7 106	2.4 38	9.9 88	35.5 22	46 23	155 22	-132 13	14.0 24	14.8 83	-2.5 29	3.0 79	0 24	40 105	0.27 19	4.3 19	1.24 93	
EA 210017	R	KHC 160107	86 49	89 57	111 36	90 14	67 24	72 35			1.64 62	21.7 99	8.9 36	13.2 111	31.2 20	50 14	166 110	-137 9	22.0 24	18.0 100	-1.8 20	4.5 74	1 25	47 112	0.40 9	4.7 9	1.55 94	
EA 210022	R	KHC 110025	103 52	91 58	94 39	99 22	89 29	85 38			0.83 62	23.0 108	3.9 39	10.3 94	33.3 26	39 22	148 100	-134 13	21.5 25	1.0 99	-5.8 18	4.5 115	0 37	42 62	0.33 14	4.0 14	1.29 92	
EA 210030	R	KHC 120061	113 53	57 58	103 40	116 25	83 28	58 39			-2.26 63	5.4 141	6.7 40	6.3 103	11.6 26	18 59	72 25	-114 7	12.2 26	-2.0 80	-2.4 30	4.7 101	-1 26	17 82	-0.03 12	-1.2 12	0.46 71	
EA 210033	R	KHC 140026	114 50	61 57	96 36	125 24	65 28	55 37			-1.81 62	7.4 137	4.6 36	5.5 96	13.1 25	11 24	81 77	-114 23	11.4 25	10.0 78	0.8 30	3.1 85	-1 25	16 82	0.03 16	-0.7 16	1.37 73	
EA 210036	R	KHC 140042	77 51	101 58	95 38	83 23	69 28	75 38			3.06 62	28.3 84	4.2 38	12.2 95	39.6 24	61 95	194 23	-151 9	26.0 26	12.2 108	-1.3 29	3.0 82	1 26	48 108	0.47 20	6.0 20	1.32 100	
EA 210040	R	KHC 160096	108 50	66 57	109 36	101 15	76 25	61 36			-0.52 62	9.9 123	8.4 36	8.9 109	16.6 22	36 15	111 22	-123 9	17.2 25	6.3 90	-2.2 19	4.2 97	0 25	28 98	0.15 12	0.8 12	1.20 79	
EA 210042	R	KHC 110102	102 52	103 58	95 38	93 19	71 28	88 38	91 20	87 34	1.63 62	28.9 99	4.2 38	12.5 98	41.7 24	47 19	179 26	-146 13	18.6 28	16.4 93	-3.6 29	2.5 77	1 29	46 109	0.39 18	5.7 18	1.89 99	
EA 210046	R	KHC 100012	123 53	83 59	102 41	99 20	88 28	85 39			-0.37 63	18.5 121	6.5 41	10.5 102	28.8 24	39 81	151 27	-139 7	19.4 30	5.2 30	-5.2 17	8.2 112	0 30	41 105	0.32 12	4.0 12	1.47 91	
EA 210047	R	KHC 130068	85 51	121 58	95 38	85 19	59 28	95 37	102 20	95 34	2.82 62	38.5 86	4.3 38	15.7 104	55.4 24	58 115	235 25	-156 13	29.1 26	28.9 114	-1.6 28	3.7 60	2 27	67 128	0.74 14	9.9 14	1.78 115	

Cows

Inbreeding in red is high

EBV
Acc Index

Breeding values with an accuracy < 5% are not printed

Cow			Selection Values (SV / Acc)							Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass							
ID	Colour % Inbr.	Sire ID Dam ID	Calf Ease	Calf Grwth	Milk Value	Maint. Value	Fertility Value	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Milk Wn.Mat.	Comb Mat.	12m weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longevity	Frame Score	Length	Dress%	RMeat Yield	Marb-ling				
Name		Breed average:									1.56	27.5	5.8	13.0	43.8	38	208	-80	22.2	-1.6	-2.8	23.1	0	45	0.61	6.1	0.32				
		<75	75 - 125	>125	Shaded EBVi			90-110	>100	>100	>100	90-110	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	90-110	90-110	>100	>100	>100			
EA 210049 21 049	R	KHC 100010	86 52	114 58	94 39	93 22	75 28	96 38	89 20	93 34	3.05 62	34.6 84	4.1 39	14.3 94	47.3 25	48 104	179 25	-140 93	14 129	26.8 28	12.7 81	-4.0 20	2.6 106	36 58	0 28	49 104	27 104	0.58 16	7.1 16	1.84 104	15 119
EA 210051 21 051	R	KHC 160040	92 50	84 58	101 37	98 14	72 28	69 36			1.09 62	19.0 105	6.1 37	10.4 101	27.6 24	40 14	139 19	-135 84	5 126	10.6 22	9.0 30	-3.0 18	-0.5 101	35 52	0 22	36 100	27 21	0.29 12	2.9 84	0.97 11	108 108
EA 210052 21 052	R	KHC 120035	105 53	82 58	94 40	100 27	61 31	65 40	76 21	64 36	1.23 63	18.2 104	4.2 40	8.8 90	25.6 28	38 27	110 100	-125 78	14 122	16.9 28	16.4 32	-0.3 22	0.4 88	38 53	-1 28	29 91	28 84	0.28 18	1.5 84	1.53 17	115 115
EA 210063 21 063	R	KHC 150023	116 51	92 58	94 37	92 19	81 26	85 37			0.13 62	23.1 116	4.0 37	10.4 93	35.5 28	48 89	156 19	-139 88	8 128	19.8 25	7.6 24	-5.0 19	2.6 111	35 58	0 25	40 97	25 25	0.48 18	4.7 94	1.96 17	121 121
EA 210064 21 064	R	KHC 140082	116 52	99 58	98 39	89 23	80 27	92 38	95 20	92 34	0.49 62	26.9 112	5.1 39	12.4 98	40.7 25	53 96	199 23	-143 112	13 24	23.4 26	12.2 82	-5.3 21	4.1 113	36 61	1 26	55 113	26 110	0.56 14	6.7 14	1.35 103	113 113
EA 210075 21 075	R	KHC 130026	102 50	95 57	107 35	87 14	79 25	86 35			0.98 62	24.9 106	8.0 35	13.6 107	37.0 18	54 14	175 21	-138 93	6 128	20.8 23	10.1 25	-4.9 16	2.3 110	34 57	0 23	48 101	22 103	0.45 8	5.7 92	1.55 8	116 116
EA 210079 21 079	R	KHC 090044	97 53	108 58	99 40	88 18	64 30	90 38	88 20	88 34	2.13 63	31.7 94	5.5 40	14.2 102	45.0 28	53 101	182 112	-139 25	94 13	23.3 27	26.0 31	-4.4 22	0.2 108	38 53	1 27	57 114	27 112	0.54 14	6.3 97	1.61 101	117 117
EA 210080 21 080	R	KHC 090005	110 52	65 57	101 35	112 18	68 29	58 37			-0.06 62	9.5 118	6.2 35	7.3 101	13.3 25	23 61	48 24	-103 64	11 111	2.6 26	2.9 28	0.0 20	-1.7 86	38 49	-1 26	14 82	27 69	-0.10 12	-2.2 65	0.92 12	108 108
EA 210092 21 092	R	KHC 130002	99 52	104 57	95 38	96 22	80 26	93 37	94 20	92 34	1.88 62	29.6 97	4.2 38	12.7 98	43.0 25	43 22	183 104	-143 26	12 130	23.2 29	11.6 23	-4.8 18	5.7 110	36 64	1 29	50 113	28 105	0.46 14	6.2 14	1.37 100	114 114
EA 210093 21 093	R	KHC 100027	82 50	106 57	90 37	100 20	67 27	84 37			3.24 60	30.8 82	2.8 37	12.1 95	39.9 22	39 95	126 100	-135 82	10 126	22.1 25	16.6 28	-2.5 19	1.4 99	35 56	0 25	32 94	24 88	0.28 12	3.3 84	1.23 12	112 112
EA 210097 21 097	R	KHC 160038	96 50	95 58	98 38	92 18	80 28	82 37			1.54 60	24.8 100	5.1 38	11.7 98	36.2 26	49 90	173 23	-146 92	7 132	20.8 25	6.8 30	-5.0 19	1.0 111	35 55	0 25	44 100	24 99	0.59 18	5.5 99	1.98 17	121 121
EA 210100 21 100	R	KHC 160026	87 48	97 57	99 36	97 18	62 28	76 36			1.53 60	26.0 100	5.6 36	12.4 98	39.0 24	42 94	178 18	-141 93	8 129	13.4 21	11.2 30	1.4 19	2.2 79	34 57	0 21	45 104	20 100	0.47 15	5.5 93	1.04 14	109 109
EA 220013 22 013	R 1	CP 178587 KHC 120033	107 60	117 67	91 45	87 23	74 37	103 45	104 20	103 40	2.52 71	36.1 90	3.3 45	14.2 100	53.8 32	56 113	223 28	-81 104	12 100	30.5 30	17.0 38	0.5 24	18.0 84	49 89	1 30	59 115	29 114	0.83 16	8.3 111	0.71 16	105 105
EA 220018 22 018	R 2	CP 178587 KHC 130026	119 59	97 66	115 44	87 20	91 35	102 43			0.33 70	26.0 113	10.2 44	15.4 115	43.0 28	54 99	206 20	-68 113	10 94	24.7 26	6.6 35	-3.7 22	16.4 105	48 86	0 26	54 99	26 109	0.70 12	7.1 104	0.63 12	104 104
EA 220020 22 020	R 2	CP 178587 KHC 140082	107 60	129 67	95 47	78 27	91 36	122 45	114 22	121 40	2.21 71	42.4 93	4.5 47	17.1 106	64.9 34	68 127	287 27	-91 118	15 105	34.9 29	13.8 33	-5.2 26	18.2 112	49 90	2 29	78 125	29 133	1.10 18	12.1 124	0.80 17	106 106
EA 220032 22 032	R 1	CP 178587 KHC 140020	102 59	119 67	108 45	87 25	84 37	115 45	101 22	112 40	1.82 70	37.4 97	8.0 45	17.8 112	58.9 34	54 119	231 25	-87 105	14 103	25.3 30	14.2 39	-2.8 23	17.8 100	49 89	1 31	60 111	30 115	0.93 24	9.2 116	1.19 22	111 111
EA 220033 22 033	R 1	CP 178587 KHC 160040	96 59	113 67	101 45	87 19	83 36	102 44			2.36 70	34.1 91	6.1 45	15.4 105	52.2 32	55 111	225 22	-81 104	9 100	21.9 25	10.7 38	-2.9 23	13.5 101	48 80	1 25	59 112	24 114	0.82 15	8.2 110	0.42 15	104 104
EA 220039 22 039	R 1	CP 178587 KHC 130013	113 59	108 67	103 45	85 25	78 37	102 45	102 22	101 40	1.29 70	31.7 103	6.7 45	15.0 105	49.9 32	57 108	201 25	-70 98	14 95	25.5 31	18.0 36	-2.2 25	15.1 97	49 83	1 31	51 109	30 106	0.68 16	7.2 103	0.39 16	101 101
EA 220043 22 043	R 1	CP 178587 KHC 160107	90 58	110 67	111 44	83 20	79 34	100 43	105 20	100 38	2.65 70	32.9 88	9.1 44	17.0 111	50.1 30	59 108	229 25	-77 105	12 98	30.2 27	17.7 31	-1.3 22	18.6 93	48 91	1 28	62 118	27 117	0.82 12	8.4 110	0.86 12	107 107
EA 220063 22 063	R 1	CP 178587 KHC 140002	119 59	96 67	98 47	99 23	93 35	98 44	95 22	97 40	0.81 70	25.3 108	5.3 47	12.0 97	40.3 32	39 23	177 27	-62 93	14 91	21.0 29	4.9 98	-3.0 23	19.5 101	49 93	0 29	43 101	28 98	0.53 18	5.0 96	0.21 16	99 99

Cows

Inbreeding in red is high

EBV
Acc Index

Breeding values with an accuracy < 5% are not printed

Cow				Selection Values (SV / Acc)							Calf Weight		Mother		Growth & Efficiency				Fertility				Frame		Carcass						
ID		Sire ID	Dam ID	Calf Ease	Calf Grwth	Milk Value	Maint. Value	Fertility Value	Cow Value	Grwth Value	Prod. Value	Birth Weight	Wean Weight	Milk Wn.Mat.	Comb Mat.	12m weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fert.	Cow Fert.	Longe-vity	Frame Score	Length	Dress%	RMeat Yield	Marb-ling			
Colour			% Inbr.	Breed average:							1.56	27.5	5.8	13.0	43.8	38	208	-80	22.2	-1.6	-2.8	23.1	0	45	0.61	6.1	0.32				
				<75	75 - 125		>125	Shaded EBVi				90-110	>100	>100	>100	>100	90-110	>100	>100	>100	>100	>100	>100	90-110	90-110	>100	>100	>100			
EA 220064	R	WB 160138		94	95	104	112	109	101	104	101	1.63	24.9	7.0	13.0	41.0	23	205	-71	22.2	-9.7	-4.5	22.4	0	45	0.64	5.8	-0.02			
22 064		KHC 110027		60	52	49	34	41	43	33	41	68	99	49	104	42	96	34	42	99	45	100	42	111	46	94	37	102	36	96	
EA 220067	R 2	CP 178587		127	98	92	106	76	97	95	96	0.24	26.7	3.6	11.3	43.0	30	185	-65	25.2	13.3	0.5	17.2	0	44	0.65	5.8	0.94			
22 067		KHC 140026		59	67	44	27	37	45	20	40	70	114	44	92	34	99	27	93	28	106	38	81	28	98	18	102	18	99	17	108
EA 220070	R 1	CP 178587		100	112	101	92	71	100	104	100	2.18	33.6	6.2	15.4	51.4	47	224	-75	27.5	21.9	0.2	17.8	1	59	0.78	8.3	0.58			
22 070		KHC 130068		60	67	46	24	37	45	22	40	71	93	46	101	32	110	24	107	27	111	37	69	30	116	17	108	17	109	16	103
EA 220072	R 1	CP 178587		105	112	83	92	94	104			2.80	34.0	1.0	12.0	49.4	50	183	-74	23.9	2.1	-4.7	14.4	0	45	0.71	5.9	0.66			
22 072		KHC 160041		59	67	45	23	37	44			70	87	45	83	34	107	23	110	27	104	38	95	29	98	20	105	20	99	18	104

Selection List on Cow Values

Bulls 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
					★★★★★								
1	EA 220030 22 030	CP 178587	KHC 120061	0.8	117 61	113 68	96 48	88 29	93 37	113 46	106 20	111 41	
					★★★★☆								
1	EA 180018 18 0018	KHC 130027	KHC 110012	2.3	73 61	121 67	90 48	86 28	91 40	102 46	109 31	103 43	
2	EA 220004 22 004		EA 190011	0.0	96 44	116 54	107 28	80 11	71 20	101 31			
					★★★☆☆								
1	WB 160138 WB160138	R240	WB 120001	0.0	110 71	78 73	103 63	114 57	95 57	83 59	110 56	87 58	

Selection List on Cow Values

Cows 2 years and older

ID		Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	
Sorted on ID						Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	
						★★★★★★								
1	EA 180021	18 0021	KHC 160022	KHC 160049	3.3	107 58	138 66	104 46	80 22	101 34	140 43	124 28	139 40	
2	EA 180040	18 0040	KHC 160022	KHC 160052	0.8	99 58	137 66	110 45	78 22	90 34	134 43	127 28	134 40	
						★★★★★☆								
1	EA 180013	18 0013	KHC 130027	KHC 150010	0.7	112 58	118 66	95 45	89 23	106 37	121 44	113 28	120 41	
2	EA 180086	18 0086	KHC 160022	KHC 160026	0.7	92 57	128 66	110 44	87 24	85 36	122 44	126 26	124 40	
3	EA 200007	20 007	CP 178587	KHC 130026	1.5	118 59	120 66	114 44	74 20	89 35	122 43			
4	EA 220020	22 020	CP 178587	KHC 140082	1.7	107 60	129 67	95 47	78 27	91 36	122 45	114 22	121 40	
						★★★★★								
1	EA 180026	18 0026	KHC 160045	KHC 120073	2.0	85 61	113 67	99 47	96 28	110 38	111 46	88 30	106 43	
2	EA 180055	18 0055	KHC 130052	KHC 110063	4.3	80 63	112 67	123 54	86 32	113 42	116 48	118 35	117 45	
3	EA 180058	18 0058	KHC 130027	KHC 150058	6.7	99 60	104 66	113 46	96 25	103 37	110 45	110 30	110 42	
4	EA 180075	18 0075	KHC 130027	KHC 110027	1.1	92 61	111 67	112 49	92 26	106 40	114 46	115 31	115 43	
5	EA 180085	18 0085	KHC 160022	KHC 160107	1.3	102 58	112 66	125 44	80 23	90 33	115 43	119 27	116 40	
6	EA 200005	20 005		KHC 100037	0.0	112 52	125 58	87 39	79 21	75 29	110 38	93 22	107 35	
7	EA 220032	22 032	CP 178587	KHC 140020	0.8	102 59	119 67	108 45	87 25	84 37	115 45	101 22	112 40	
						★★★★★☆								
1	EA 180069	18 0069	CP 106372	JE 040068	1.7	119 61	90 66	113 50	110 28	90 40	100 46	88 26	97 42	
2	EA 190008	19 008		KHC 080007	0.0	85 53	125 58	102 40	67 22	68 31	101 39	105 21	101 35	
3	EA 200054	20 054	CP 178587	KHC 160038	1.0	98 59	113 67	97 46	86 23	91 37	105 45			
4	EA 200061	20 061	CP 178587	KHC 110077	2.0	92 60	109 68	122 47	87 24	87 38	107 45	100 22	105 40	
5	EA 220013	22 013	CP 178587	KHC 120033	0.9	107 60	117 67	91 45	87 23	74 37	103 45	104 20	103 40	
6	EA 220018	22 018	CP 178587	KHC 130026	1.5	119 59	97 66	115 44	87 20	91 35	102 43			
7	EA 220033	22 033	CP 178587	KHC 160040	1.3	96 59	113 67	101 45	87 19	83 36	102 44			
8	EA 220039	22 039	CP 178587	KHC 130013	1.0	113 59	108 67	103 45	85 25	78 37	102 45	102 22	101 40	
9	EA 220043	22 043	CP 178587	KHC 160107	0.9	90 58	110 67	111 44	83 20	79 34	100 43	105 20	100 38	
10	EA 220064	22 064	WB 160138	KHC 110027	0.4	94 60	95 52	104 49	112 34	109 41	101 43	104 33	101 41	
11	EA 220070	22 070	CP 178587	KHC 130068	1.1	100 60	112 67	101 46	92 24	71 37	100 45	104 22	100 40	
12	EA 220072	22 072	CP 178587	KHC 160041	0.8	105 59	112 67	83 45	92 23	94 37	104 44			
13	KHC 170007	KHC170007	KHC 130052	KHC 080080	1.5	93 63	102 57	116 52	93 29	98 42	103 45	113 35	105 43	

Selection List on Cow Values

Cows 2 years and older

IDName			Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
Sorted on ID						★★★★								
1	EA 180045	18 0045	CP 106372	CBC 070193	0.2	10959	9365	12947	9236	8442	9947	8933	9644	
2	EA 180057	18 0057	KHC 160045	KHC 090007	1.2	9760	10267	8146	11422	9638	9645	7530	9042	
3	EA 180074	18 0074	CP 106372	CP 085796	1.3	10458	9165	10245	11326	8639	9044	8420	8739	
4	EA 180077	18 0077	CP 106372	CP 085772	0.3	10159	9866	11147	10329	8241	9746	9223	9541	
5	EA 180079	18 0079	CP 106372	CBC 060139	0.4	10159	9965	10946	9330	8740	9645	8924	9341	
6	EA 180114	18 0114	CP 106372	CP 085923	0.7	9258	10453	10243	11026	8238	9841	8622	9437	
7	EA 190046	19 046		KHC 110023	0.0	8552	10858	10140	8221	8429	9338	8820	9134	
8	EA 190087	19 087		KHC 090005	0.0	8552	12057	8735	8518	6529	9437			
9	EA 190092	19 092		KHC 130002	0.0	11152	9657	10138	9522	7926	9137	9420	9034	
10	EA 200012	20 012	CP 178587	KHC 120068	2.1	12659	8967	10843	9321	8237	9244	8920	9039	
11	EA 200034	20 034		KHC 160021	0.0	9951	10658	8838	9625	7331	9039	9323	8936	
12	EA 200089	20 089	CP 178587	KHC 140042	1.1	8760	11067	9846	8227	8037	9245	10120	9340	
13	EA 210005	21 005		KHC 090015	0.0	12453	9658	10939	9021	8330	9938	9424	9735	
14	EA 210047	21 047		KHC 130068	0.0	8551	12158	9538	8519	5928	9537	10220	9534	
15	EA 210049	21 049		KHC 100010	0.0	8652	11458	9439	9322	7528	9638	8920	9334	
16	EA 210064	21 064		KHC 140082	0.0	11652	9958	9839	8923	8027	9238	9520	9234	
17	EA 210079	21 079		KHC 090044	0.0	9753	10858	9940	8818	6430	9038	8820	8834	
18	EA 210092	21 092		KHC 130002	0.0	9952	10457	9538	9622	8026	9337	9420	9234	
19	EA 220063	22 063	CP 178587	KHC 140002	0.9	11959	9667	9847	9923	9335	9844	9522	9740	
20	EA 220067	22 067	CP 178587	KHC 140026	1.8	12759	9867	9244	10627	7637	9745	9520	9640	
						★★★★☆								
1	EA 180036	18 0036	KHC 160045	KHC 070026	25.5	9560	8068	11948	11022	10038	8845	7432	8342	
2	EA 180047	18 0047	KHC 160045	KHC 100035	1.9	8360	8267	9847	12425	9837	8045	7631	7742	
3	EA 190012	19 012		KHC 150026	0.0	10749	8537	10736	10221	8629	8531	8520	8329	
4	EA 190042	19 042		KHC 080006	0.0	10953	8659	11141	9923	8331	8640	8722	8436	
5	EA 190060	19 060		KHC 110027	0.0	9652	9258	10639	9919	8528	8738			
6	EA 200004	20 004		KHC 120055	0.0	9052	9258	11539	10423	7929	8838	8922	8635	
7	EA 200050	20 050		KHC 110063	0.0	9953	8559	11942	9424	9130	8740	9323	8637	
8	EA 200078	20 078		KHC 160049	0.0	10050	10257	9337	9415	7825	8936			
9	EA 210022	21 022		KHC 110025	0.0	10352	9158	9439	9922	8929	8538			
10	EA 210042	21 042		KHC 110102	0.0	10252	10358	9538	9319	7128	8838	9120	8734	
11	EA 210046	21 046		KHC 100012	0.0	12353	8359	10241	9920	8828	8539			
12	EA 210063	21 063		KHC 150023	0.0	11651	9258	9437	9219	8126	8537			

Selection List on Cow Values

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	
Sorted on ID					Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	
					★★★★☆								
13	EA 210075 21 075		KHC 130026	0.0	102 50	95 57	107 35	87 14	79 25	86 35			
14	EA 210093 21 093		KHC 100027	0.0	82 50	106 57	90 37	100 20	67 27	84 37			
15	EA 210097 21 097		KHC 160038	0.0	96 50	95 58	98 38	92 18	80 28	82 37			
16	KHC 170010 KHC170010	KHC 130052	KHC 080011	3.5	99 63	87 56	110 51	99 28	86 42	85 44	102 33	86 42	
					★★★								
1	EA 190009 19 009		KHC 120066	0.0	108 51	92 58	90 38	95 23	69 27	77 38			
2	EA 190019 19 019		KHC 140048	0.0	103 50	89 57	92 35	93 18	64 27	71 36			
3	EA 190022 19 022		JWB 050016	0.0	87 54	96 60	94 43	96 30	79 35	79 42	88 29	78 39	
4	EA 190028 19 028		KHC 130009	0.0	108 49	74 57	111 36	94 20	80 28	70 37	89 20	71 34	
5	EA 190053 19 053		KHC 090074	0.0	107 53	74 58	121 40	92 21	83 30	74 39	86 22	73 36	
6	EA 190054 19 054		KHC 120073	0.0	104 53	77 58	104 38	100 25	85 29	72 39	74 20	69 35	
7	EA 190074 19 074		JE 040068	0.0	116 53	83 58	100 39	99 17	76 30	78 38	81 20	76 34	
8	EA 200014 20 014		KHC 150023	0.0	110 51	87 58	91 37	97 19	81 26	78 37			
9	EA 200019 20 019		KHC 100014	0.0	121 52	78 58	109 38	95 17	73 28	76 37			
10	EA 200022 20 022		KHC 100012	0.0	123 53	72 59	103 41	107 20	89 28	77 39			
11	EA 200028 20 028		KHC 090007	0.0	102 52	93 58	75 37	106 18	71 29	73 37			
12	EA 200079 20 079		KHC 140048	0.0	107 50	91 57	94 35	93 18	65 27	75 36			
13	EA 200081 20 081		KHC 160041	0.0	99 50	91 58	82 37	102 19	83 28	76 37			
14	EA 200085 20 085		KHC 130068	0.0	100 51	92 58	103 38	99 19	60 28	77 37	89 20	76 34	
15	EA 210010 21 010		KHC 120055	0.0	97 52	79 58	119 39	109 23	79 29	79 38	86 22	78 35	
16	EA 210014 21 014		KHC 120066	0.0	104 51	95 58	88 38	95 23	70 27	78 38			
17	EA 210017 21 017		KHC 160107	0.0	86 49	89 57	111 36	90 14	67 24	72 35			
18	EA 210036 21 036		KHC 140042	0.0	77 51	101 58	95 38	83 23	69 28	75 38			
19	EA 210100 21 100		KHC 160026	0.0	87 48	97 57	99 36	97 18	62 28	76 36			
					★★★								
1	EA 190041 19 041		KHC 110043	0.0	85 51	79 58	104 38	104 17	78 27	66 37			
2	EA 190062 19 062		KHC 090032	0.0	123 52	82 58	83 38	104 16	55 28	65 37			
3	EA 190084 19 084		KHC 090044	0.0	116 53	72 58	109 40	102 18	65 30	66 38	76 20	65 34	
4	EA 190089 19 089		KHC 100023	0.0	98 52	75 58	114 39	100 19	70 28	67 38			
5	EA 190094 19 094		KHC 140042	0.0	91 51	79 58	102 38	91 23	69 28	60 38			
6	EA 190097 19 097		KHC 130068	0.0	103 51	77 58	105 38	106 19	60 28	64 37	84 20	64 34	

Selection List on Cow Values

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
Sorted on ID													
					★★★								
7	EA 200017 20 017		KHC 100035	0.0	107 53	71 58	101 39	107 21	73 28	64 38	77 21	63 35	
8	EA 200025 20 025		KHC 140038	0.0	106 49	79 57	102 33	98 19	63 27	65 36			
9	EA 200041 20 041		KHC 130002	0.0	111 52	62 57	109 38	114 22	82 26	64 37	79 20	63 34	
10	EA 200043 20 043		KHC 100029	0.0	109 53	73 58	85 41	107 19	80 27	62 38			
11	EA 210011 21 011		KHC 100029	0.0	103 53	76 58	82 41	106 19	80 27	62 38			
12	EA 210040 21 040		KHC 160096	0.0	108 50	66 57	109 36	101 15	76 25	61 36			
13	EA 210051 21 051		KHC 160040	0.0	92 50	84 58	101 37	98 14	72 28	69 36			
14	EA 210052 21 052		KHC 120035	0.0	105 53	82 58	94 40	100 27	61 31	65 40	76 21	64 36	
					★								
1	EA 190017 19 017		JWB 050034	0.0	101 54	63 59	117 43	106 34	69 34	57 42	79 29	58 39	
2	EA 190045 19 045		KHC 130026	0.0	98 50	60 57	123 35	96 14	79 25	57 35			
3	EA 190058 19 058		KHC 120033	0.0	102 51	76 58	90 37	107 19	63 28	59 37			
4	EA 210006 21 006		KHC 110029	0.0	105 52	51 58	102 39	122 20	89 29	52 38	66 20	50 34	
5	EA 210013 21 013		KHC 160030	0.0	93 48	59 57	116 32	103 16	74 25	51 35			
6	EA 210030 21 030		KHC 120061	0.0	113 53	57 58	103 40	116 25	83 28	58 39			
7	EA 210033 21 033		KHC 140026	0.0	114 50	61 57	96 36	125 24	65 28	55 37			
8	EA 210080 21 080		KHC 090005	0.0	110 52	65 57	101 35	112 18	68 29	58 37			
					★								
1	EA 210003 21 003		KHC 120033	0.0	108 51	53 57	105 37	112 19	64 28	44 37			

