

SANTA GERTRUDIS

GENOMIC BREEDING VALUE REPORT

September 2026



NETTIQ PTY LTD

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 **LOGIX**



EBVs, EBVi's and GEBVs

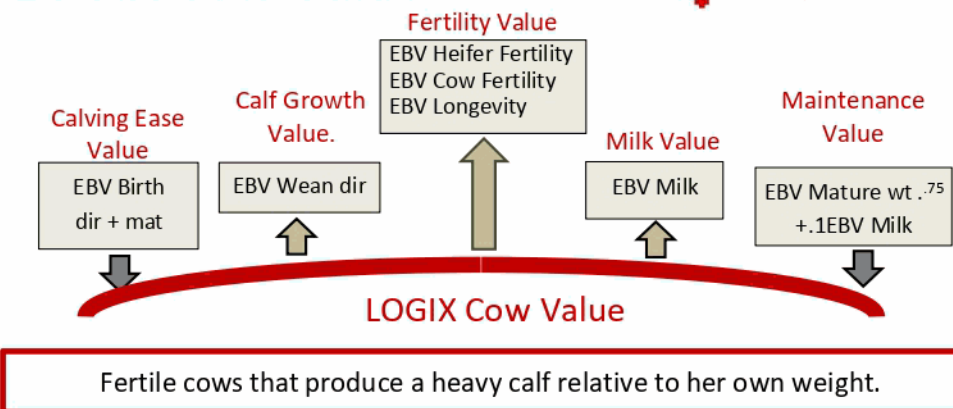
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

EBV (Breeding Value): Genetic potential relative to the average of the animals born in the base year (1990), expressed in the unit of measurement.

GEBV (Genomic Breeding Value) Interpreted like the EBVi. (GEBV = EBV + Genomic information)

LOGIX Selection values combine different breeding values in a logical way. For example, Heifer Fertility (how early a heifer starts calving), Cow Fertility (how regular she calves) and Longevity (retention within the family) are combined to form the Fertility Value.

LOGIX Cow Value



Selection Values

LOGIX Cow Value



Selecting for:

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

LOGIX Growth Value



Select for efficient growers on veld and in feedlot, as measured in Phase C and D Growth Tests.

LOGIX Carcass Value



Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

LOGIX Production Value



80% LOGIX Cow Value +
20% LOGIX Growth Value

How to use the Cow Value

Selection values should be compatible with your selection goal.

AVERAGE ANIMALS

(NO GROWTH EXTREMES)

- Selection Values 90 to 110
 - Cow Value and Fertility Value average to high
- A safe choice, as animals are profitable in most environments.

GROWERS

(GOOD ENVIRONMENT)

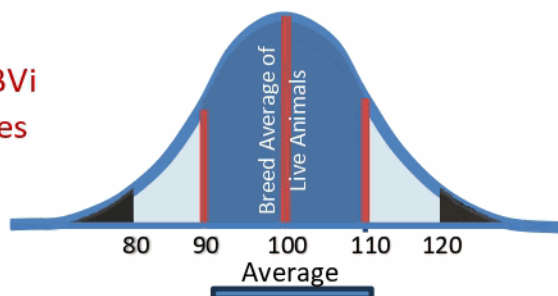
- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

LOW- MAINTENANCE ANIMALS

(HARSH ENVIRONMENT)

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

Interpretation of EBVi and Selection Values



Examples

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

Contemporary Groups

The correct composition of contemporary groups is one of the cornerstones of BLUP breeding value estimation. Breeding values are estimated from the differences between animals exposed to the same environment, *as these differences are caused by genetics*. The following aspects are important:

1. Animals at the same time, place and treatment

A contemporary group is a comparable group of animals measured at the same time in the same environment. It is therefore a comparable group of animals that were together on the same farm or camp in the same year and season. If there are animals in the group that were treated differently, they should be given a separate treatment code because their performance is influenced by other environmental influences than the rest of the group. Examples of possible different treatments are when some animals received supplements or creep feed, sale or show animals, embryo donors, sick or foster calves or even purchased cows and calves. If bull and heifer calves or older cows and young heifers were in the same camp, they should be placed in the same group – corrections for sex, age and first calving of cows are automatically made during breeding value estimation.

2. Progeny of at least two sires, of which one is a link sire

The progeny of different sires needs to be compared in the same group in order to determine the sires' genetic merit relative to each other. At least one sire should be a link sire with progeny in other herds. Genetic links between herds are used to determine the position of sires in the breed. All sires are good link sires. Smaller herds could artificially inseminate some cows or allow some cows to be covered by another herd's bull.

3. Larger groups stabilise Breeding Values

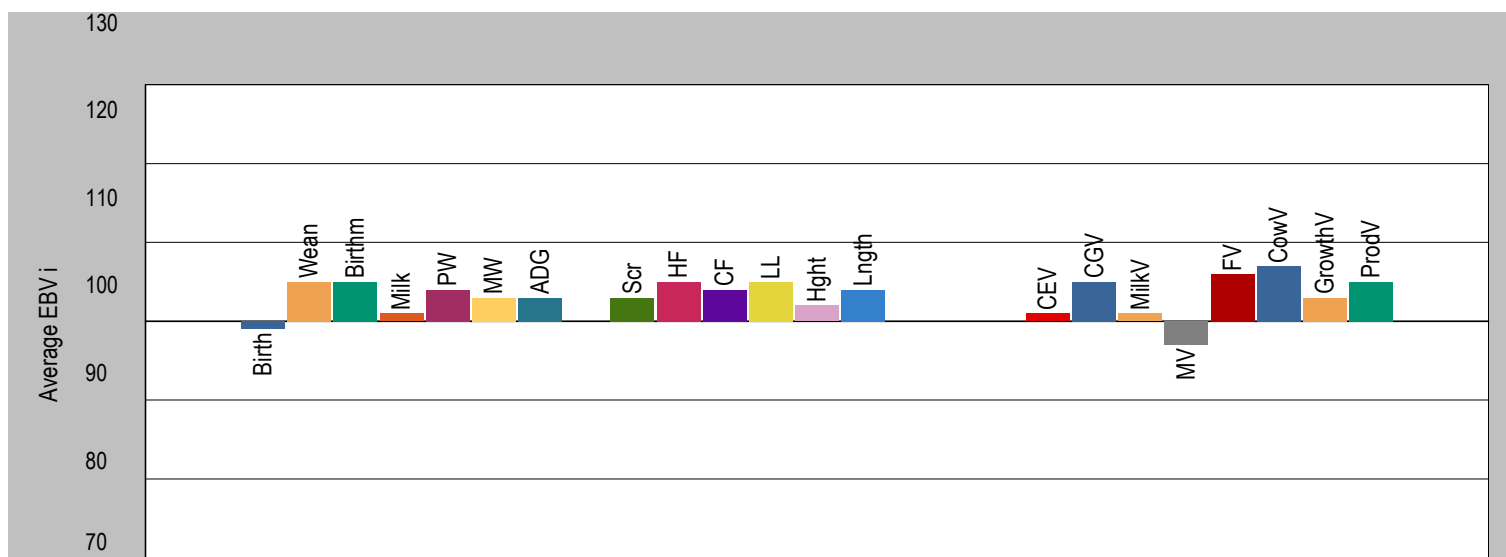
Larger groups result in more accurate and stable breeding values, as the mean and distribution of the group can be more accurately determined and are thus more representative. Groups should preferably have more than 5 animals. Weigh all the animals in the same group on the same day, as corrections for age differences are made during genetic evaluation. The use of breeding seasons rather than through the year calving will also increase contemporary group size. Groups with less than 3 animals are not included in breeding value estimation. An accidental mistake in a small group affects the animal itself, its family, all the other animals in the group and their families. The effect could be much less in large groups.

4. Measure all animals in the contemporary group

Weigh ALL the animals in the contemporary group, the good as well as the poor performers. Weigh animals before they are culled, so their parents can be penalized for their poor breeding.



Herd and Breed Averages



Breeding Values:

Birth:	Birth weight	Scr:	Scrotal circumf.
Wean:	Weaning weight	HF:	Heifer Fertility
Birthm:	Birth maternal	CF:	Cow Fertility
Milk:	Milk	LL:	Longevity
PW:	Post-wean weight	Hght:	Height
MW:	Mature weight	Lngth:	Length
ADG:	Average Daily Gain	Dr%:	Dressing%
FCR:	Feed Conversion Ratio	RMV:	Red Meat Yield
		Marb:	Marbling

Selection Values:

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

	Trait	EBV Herd	EBV Index	EBV Breed
Prewrite Growth	Birth Weight	1.22	99	1.11
	Wean Weight	17.3	105	14.7
	Birth Mat.	-0.28	105	-0.07
	Milk (Wn.Mat.)	1.1	101	0.7
Postwean Growth	Postwean Wt	25.9	104	23.1
	Mature Weight	22	103	19
	ADG	109	103	95
	FCR			
Fertility	Scrotal Circumf.	11.9	103	10.4
	Heifer Fertility	-7.5	105	-3.8
	Cow Fertility	-6.7	104	-5.8
	Longevity	36.5	105	33.0
Frame	Height	13	102	12
	Length	29	104	24
Carcass	Dressing%			
	RedMeatYield			
	Marbling			

Selection Value	Ave. Herd
Calving Ease	101
Calf Growth	105
Milk	101
Maintenance	97
Fertility	106
Cow Value	107
Growth Value	103
Production Value	105

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

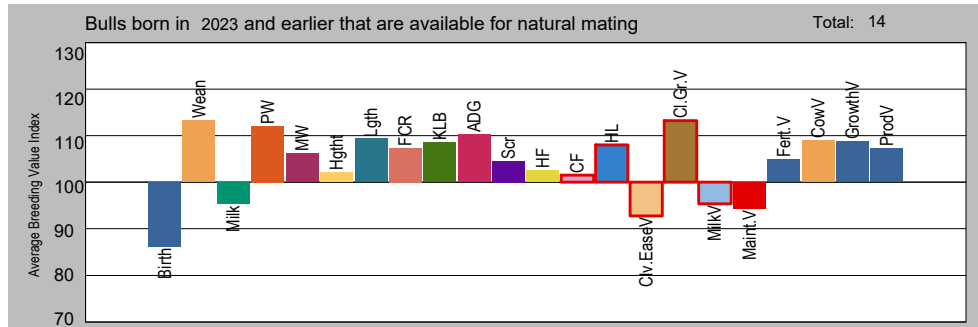
What does a sub-selection value above breed average (100) mean?:

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

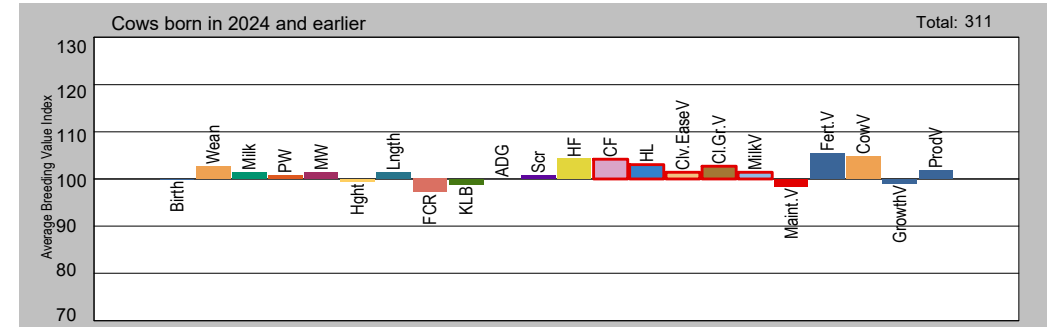
Genetic Windows

Animals available for breeding

Bulls on the farm

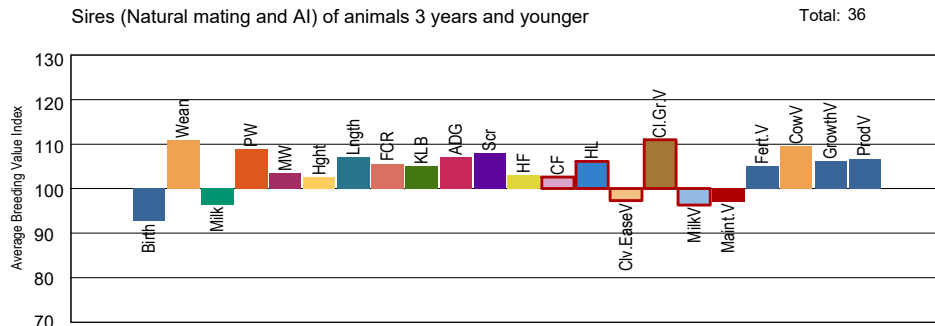


Cow Herd

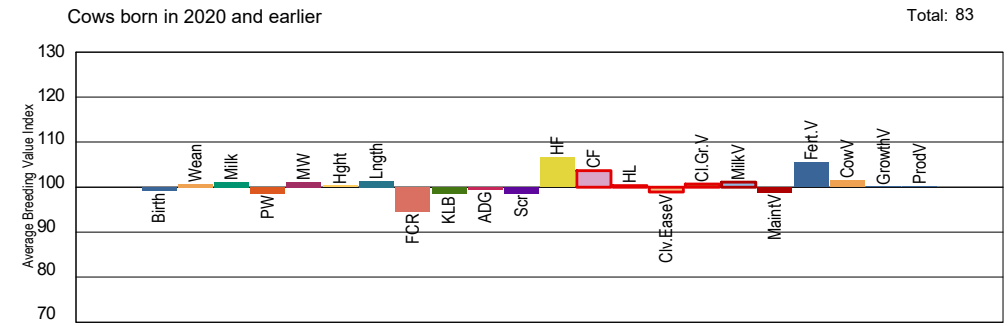


Results of previous selection decisions

Sires of young animals

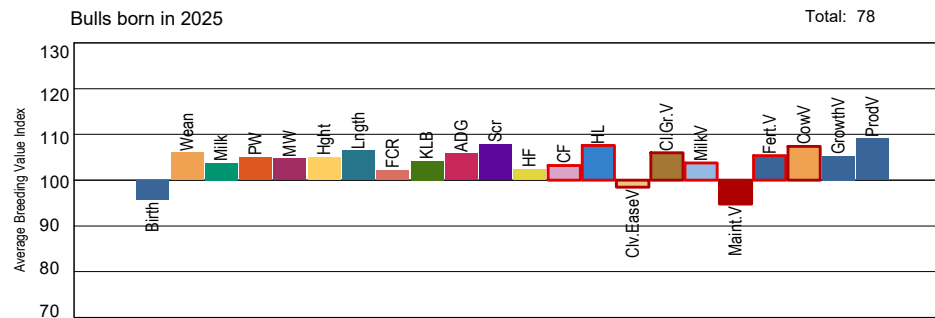


Cows older than 6 years

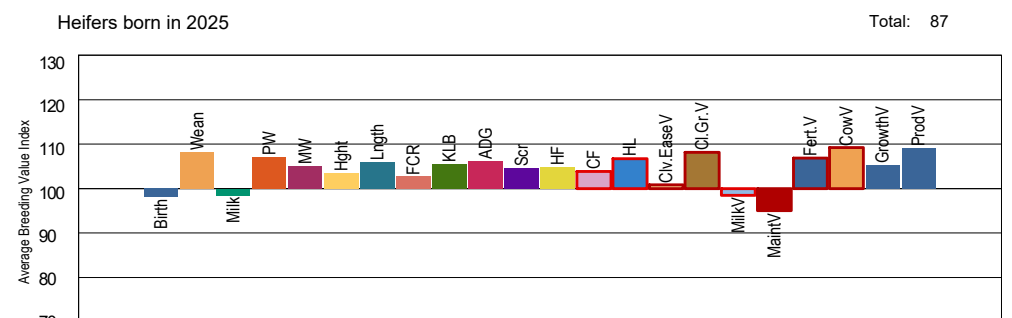


Selection possibilities

Bull calves



Heifer calves

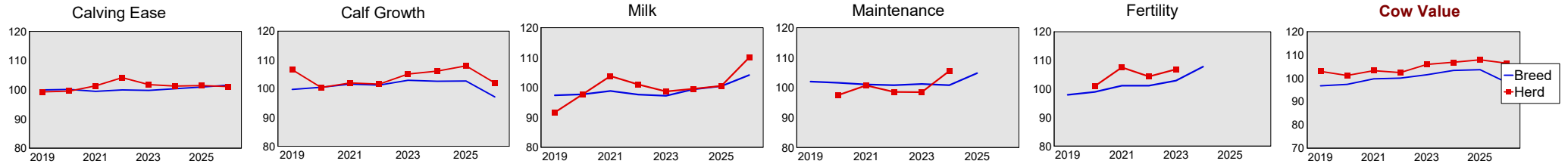


Summary of Cow Herd

			Selection Values (SV)							Calf Weight		Dam		Growth & Efficiency				Fertility				Frame			
Birth Year	No. Cows	Average Cow Value	Calving Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat)	Postwn Weight	Mature Weight	ADG	Kleiber	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	
Cows in Breed Average:			100	100	100	101	100	100	99	99	100	100	100	100	100	100	99	99	99	99	100	100	100	99	99
2008	1		145	80	130		103				137	80	125	130	73					106	109	88			
2010	1	★★★★★	134	89	117	91	113	112			127	89	112	117	92	107	87	83	95	123	102	98	96	95	
2011	1	★★★★	123	80	106	119	93	90			121	80	101	106	73	81				88	106	91			
2012	9	★★★★☆	98	97	114	93	111	102	95	92	101	97	90	114	100	106	98	97	103	110	113	97	101	99	
2013	4	★★★★	95	102	107	94	94	97	96	92	100	102	95	107	96	105	96	91	105	95	97	95	101	104	
2014	9	★★★★	109	90	106	100	106	96	102	101	113	90	99	106	86	100	94	93	96	110	103	96	98	96	
2015	3	★★★★☆	96	89	126	94	78	82			100	89	73	126	95	103	95	91	106	100	72	94	104	100	
2016	9	★★★★☆	104	96	98	103	114	102	93	98	105	96	95	98	94	97	92	92	93	117	106	105	93	92	
2017	15	★★★★	95	95	100	107	104	94	97	98	96	95	86	100	95	92	95	96	94	110	99	96	95	95	
2018	11	★★★★☆	104	102	97	101	100	101	98	98	106	102	99	97	98	99	100	97	106	100	101	100	102	104	
2019	19	★★★★☆	98	104	97	96	110	105	108	104	96	104	93	97	103	104	103	101	101	108	109	102	106	106	
2020	20	★★★★☆	102	103	104	94	107	107	99	103	100	103	104	104	100	106	101	99	97	106	105	104	100	104	
2021	32	★★★★☆	97	103	108	97	107	107	97	104	96	103	109	108	101	102	102	101	101	101	108	107	103	102	
2022	53	★★★★☆	106	101	101	97	102	103	98	102	105	101	105	101	99	103	101	100	106	102	101	102	97	99	
2023	70	★★★★☆	102	103	99	99	108	106	100	100	101	103	106	99	102	100	98	96	98	107	106	104	95	100	
2024	77	★★★★☆	102	104	102	99	105	107	100	104	99	104	107	102	102	101	101	99	101	103	103	104	102	103	
2025	87	★★★★☆	101	108	99	95	107	109	105	109	98	108	107	99	107	105	106	105	105	105	104	107	103	106	
2026	39	★★★★★	107	107	100	92	112	114	113	115	103	107	112	100	107	108	109	107	104	108	108	110	109	109	
Cows in Herd Average:			107	97	106	98	104	102	100	101	106	97	101	106	96	101	99	97	101	106	103	100	100	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.



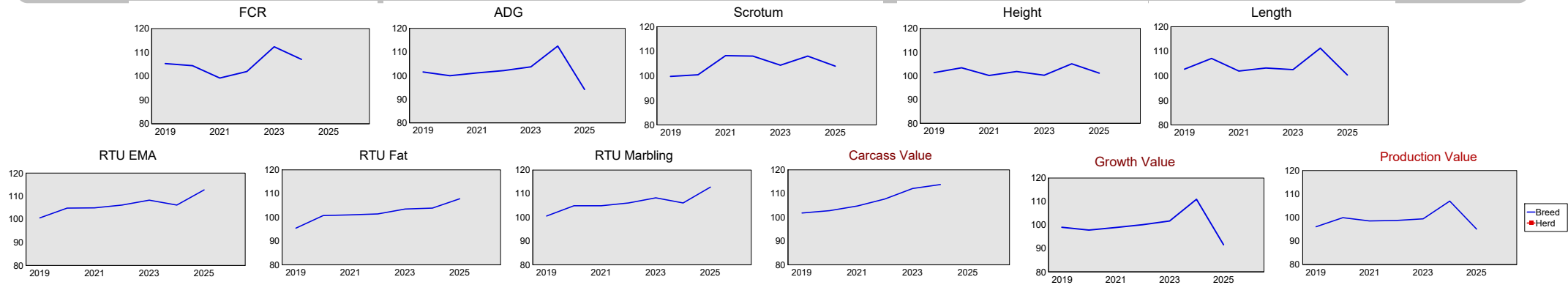
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility							Cow Value
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility	
	Number	Dir EBV			Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		
2019	4	1.59	0.17	99	3	18.1	107	3	-1.70	92										4	28.5		103
2020	111	1.31	-0.05	100	117	14.9	100	117	0.04	98		13	24	98	42	-4.2	21	-6.5	177	28.1	101	101	
2021	174	1.22	-0.24	101	140	15.8	102	140	1.88	104		13	20	101	49	-7.3	30	-7.4	178	30.8	108	103	
2022	179	1.01	-0.24	104	125	15.5	102	125	1.04	101	83	22.2	4	20	99	38	-6.3	22	-6.9	73	29.6	104	102
2023	137	1.25	-0.34	102	134	17.5	105	134	0.35	99		7	23	98	35	-6.0					107	106	
2024	184	1.29	-0.35	101	156	18.0	106	156	0.59	100	4	21.7		106									107
2025	148	1.25	-0.37	101	99	19.1	108	99	0.90	101													108
2026	55	1.34	-0.31	101	2	15.9	102	2	3.75	110													107

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.)		Milk	Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity			Ferti- lity	
	Number	EBV				Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV			Number
2016	2689	1.09	-0.07	100		1903	13.7	98		1903	-0.18	97	513	20.0	171	13	105	1226	-3.3	906	-4.7	5869	24.3	94	93
2017	2776	1.13	-0.09	100		2154	14.4	99		2154	-0.17	97	642	20.4	214	14	106	1179	-4.1	871	-4.8	5765	25.8	96	93
2018	2956	1.05	-0.07	101		2127	15.3	101		2127	-0.52	96	545	22.6	259	13	105	1243	-3.8	835	-5.5	6004	26.3	97	98
2019	3205	1.15	-0.07	100		2831	14.6	100		2831	-0.05	97	800	23.6	299	15	102	1189	-3.7	844	-5.7	5985	27.5	98	97
2020	3447	1.14	-0.10	100		3076	14.9	100		3076	0.03	98	695	23.9	286	17	102	1192	-3.4	704	-5.7	6060	28.1	99	97
2021	3337	1.21	-0.16	99		3401	15.6	102		3401	0.37	99	732	22.7	273	17	101	1071	-4.0	641	-6.0	5554	29.9	101	100
2022	3474	1.17	-0.14	100		3746	15.4	101		3746	0.01	98	748	23.3	226	18	101	854	-3.8	274	-6.5	2809	29.7	101	100
2023	3301	1.22	-0.18	100		3337	16.3	103		3337	-0.10	97	702	24.6	48	23	101	435	-2.9	15	-7.5			103	102
2024	3311	1.17	-0.16	100		3379	16.1	103		3379	0.56	99	667	25.1			101	21	-6.0					108	103
2025	3015	1.12	-0.13	101		1920	16.2	103		1920	0.86	100	441	17.5			105								104
2026	1509	1.01	-0.07	102		57	13.1	97		57	1.96	104													98

Genetic Trends for Growth Test Traits



Herd

Birth Year	Growth									Frame						Carcass						Selection Values		
	FCR			ADG			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	RTU Number	EBV	EBVi	EBV	EBVi	EBV			
2019																								
2020																								
2021																								
2022																								
2023																								
2024																								
2025																								
2026																								

Breed

Birth Year	Growth									Frame						Carcass						Selection Values			
	FCR			ADG			Scrotum			Height			Length			RTU Number	EMA		Fat		Marbling		Cracss Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		EBV	EBVi	EBV	EBVi	EBV	EBVi			
2017	73	-23	102	285	93	100	299	9.4	98	288	11	99	285	24	100	202	0.47	96	-0.03	98	0.58	102	99	97	94
2018	47	-23	102	220	86	98	275	9.2	98	248	11	98	220	22	98	123	0.85	101	0.10	99	0.72	104	103	95	101
2019	55	-26	105	256	102	102	338	10.3	100	253	13	101	183	27	103	206	1.00	103	-0.39	95	0.48	101	102	99	96
2020	30	-25	104	229	95	100	292	10.6	100	170	14	103	138	32	107	206	0.67	99	0.29	101	0.82	105	103	98	100
2021	35	-19	99	271	100	101	299	14.8	108	278	12	100	271	27	102	196	1.02	103	0.33	101	0.82	105	105	99	99
2022	22	-22	102	198	104	102	198	14.7	108	198	13	102	198	28	103	83	1.38	107	0.38	101	0.92	106	108	100	99
2023	28	-34	112	154	111	104	154	12.8	104	154	12	100	154	27	103	99	1.43	108	0.64	103	1.10	108	112	102	99
2024	28	-28	107	96	148	112	95	14.8	108	135	15	105	135	37	111	104	1.50	109	0.70	104	0.92	106	114	111	107
2025				94	70	94	94	12.6	104	136	13	101	136	25	100	32	1.90	114	1.19	108	1.46	113		92	95
2026																									

Sires

Bull				Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID	Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.
20164169		189/11		94	130	105	90	124	140			94	130	104	105	135	110			130	120	119	112						8	25
RED DOC DIABLO 6306 (P)		3167		61	84	62	37	48	62			1.63	31.3	-0.21	2.4	50.0	29			26.8	-19.5	-9.6	41.3						8	14
BR 140016		RH 070008		86	76	137	82	72	66	99	67	82	76	108	137	59	116	101	80	82	82	71	91	87	98	88	52	132	72	129
ACE		LL 060049		95	97	93	86	89	88	87	88	2.69	1.4	-0.36	11.8	-8.5	35	100	3	0.8	10.4	0.2	26.9	4	22	-0.25	-5.92	2.99	5	41
BR 180020		VV 140208		101	94	84	115	98	87	96	85	103	94	95	84	89	85	98	101	98	89	110	98	86	88	90	98	91	56	41
BRINK		VV 160011		96	96	93	92	93	89	92	90	0.85	11.2	0.13	-4.2	14.8	5	85	-21	9.2	4.7	-7.8	31.3	4	11	-0.03	-0.04	-0.34	3	3
CJ 120001		ER 070040		82	91	114	113	81	81	100	81	89	91	82	114	95	85	103	107	91	112	57	87	93	96	84	97	92		17
12 01		ER 060041		82	83	79	22	72	71	20	61	2.02	10.0	0.62	5.0	19.4	5	110	-28	5.4	-13.7	3.1	24.4	8	20	-0.54	-0.17	-0.21	17	37
DG 060046		XY 000075		87	109	95	96	120	109	111	107	94	109	81	95	108	103	100	92	146	109	127	105	103	111	66	68	82	164	67
06 46		JI 030157		95	95	91	61	86	84	86	84	1.62	19.7	0.67	-0.8	29.2	22	96	-10	35.1	-10.8	-11.3	36.7	14	36	-2.04	-3.91	-1.07	22	43
DJW 070077		DJW 040053		80	113	84	96	66	81	109	83	70	113	84	113	105	113	117	114	61	81	93	98	103	114	98	115		13	66
07 77		DJW 040067		81	81	83	29	70	71	54	68	3.73	21.6	0.28	-4.2	33.3	24	151	-40	18.0	26.9	-1.9	28.0	11	27	1.94	-0.11	1.60		
DJW 100009		MF 050012		74	96	96	100	53	61	90	61	79	96	71	96	93	98	94	106	95	75	47	81	94	92	97	81	96	7	15
10009DJW		DJW 040074		87	86	86	27	77	75	30	66	2.94	12.5	1.05	-0.3	17.6	18	71	-27	7.6	15.7	5.1	20.1	9	16	0.50	-2.26	0.12	29	76
DJW 150068		JF 110061		89	113	87	110	84	97	102	95	71	113	116	87	113	89	104	109	107	73	102	97	103	105	110	95	112	30	25
15068DJW		DJW 120070		85	86	71	40	61	71	34	64	3.58	21.8	-0.69	-3.1	33.2	9	112	-31	14.1	17.4	-6.1	30.7	14	29	1.61	-0.44	1.37	7	14
DJW 180053		SP 150013		83	131	74	92	100	113	123	114	74	131	100	74	125	111	124	126	73	84	119	100	96	113	157	74	105	133	100
180053DJW		DJW 120070		97	97	93	92	93	89	93	90	3.39	31.9	-0.08	-7.2	42.4	30	199	-51	-4.3	8.7	-9.6	33.3	10	39	5.43	-3.18	0.85	25	8
FR 140074		VV 010035		86	114	74	101	65	81	111	83	62	114	107	74	110	99	115	111	99	70	73	85	111	110	97	108	106	49	39
FIRE		FR 120008		91	91	84	77	83	82	78	81	4.37	22.4	-0.33	-7.2	30.5	19	158	-33	10.1	19.9	-0.2	22.8	19	35	0.52	1.23	0.90	6	12
FR 170052		SP 110076		80	127	100	83	90	112	134	116	73	127	91	100	131	120	139	127	115	82	102	97	121	130	128	65	91	17	16
KEN		FR 120077		76	80	59	25	56	63	40	58	3.44	29.7	0.29	0.7	47.2	38	261	-52	18.5	10.2	-6.3	31.2	25	56	3.09	-4.35	-0.28		
												82	80	51	59	47	25	41	36	45	59	38	71	45	43	41	39	38		

Sires

Bull				Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID	Dam ID	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	FCR	Scrotal	Heifer	Cow	Long-evi	Height	Length	EMA	Fat	Marbling	Birth	Wean
				Ease	Grwth	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight					Fertility	Fertility	ty						Grwth
H 110018		DJW 070061	JO 000008	96	103	129	101	105	115	90	108	108	103	54	129	108	95	101	107	94	104	121	80	91	102	95	101	103	1	31
H 11-18				90	92	89	80	88	84	80	83	0.41	16.3	1.73	9.5	29.6	14	101	-28	7.3	-7.3	-10.0	19.3	6	27	0.35	0.38	0.66	18	50
H 200016		HH 150010	HDH 110117	108	116	81	88	113	116	105	112	111	116	147	81	113	115	105	109	105	101	114	116	106	117	117	91	106	98	82
H20016				88	93	63	30	54	71	25	62	0.19	23.7	-1.87	-5.1	33.3	33	118	-30	13.0	-4.3	-8.6	44.1	16	43	2.18	-0.99	0.92	3	3
H 200028		VV 140112	HDH 160043	79	103	123	103	109	107	88	101	88	103	78	123	105	94	92	95	94	98	112	113	91	95	87	122	105	7	9
H20028				76	75	62	31	54	62	28	55	2.12	16.5	0.77	7.8	26.9	13	60	-14	7.4	-2.1	-8.2	41.7	7	19	-0.31	3.06	0.81	2	2
H 210005		HDH 160087	HDH 180032	86	100	108	105	105	99			84	100	107	108	96	92	103	100	94	103	95	116	102	101	93	102	96	8	11
H21005				69	76	53	21	45	58			2.46	14.6	-0.36	3.2	20.1	12	107	-20	6.9	-6.4	-4.7	44.1	13	26	0.19	0.43	0.13		
H 210014		SZ 170013	HDH 170089	83	95	103	112	102	90	85	85	87	95	94	103	92	87	90	90	90	107	95	101	89	92	95	96	102	6	
H21014				71	53	42	16	42	47	20	42	2.20	11.9	0.18	1.7	17.2	7	51	-8	5.1	-9.3	-4.7	34.0	6	16	0.39	-0.31	0.55		
H 210020		HDH 160087	HDH 150096	88	119	89	99	112	114			54	119	114	89	113	100	108	106	102	111	101	113	108	108	101	97	96	11	12
H21020				76	80	54	23	46	61			5.08	25.2	-0.63	-2.7	33.5	20	131	-27	11.4	-12.8	-6.1	42.0	17	33	0.88	-0.15	0.07		
H 210026		HDH 160087	HDH 180078	99	100	105	103	101	102			95	100	122	105	98	95	103	96	108	96	92	121	101	102	103	100	100	7	8
H21026				74	74	55	23	45	58			1.55	14.9	-0.94	2.4	21.2	15	106	-15	14.7	-1.0	-4.1	47.5	13	27	1.02	0.18	0.40		
H 210034		20164169	HDH 130060	98	126	113	79	115	134			93	126	117	113	129	124	122	118	124	115	101	117	125	127	126	97	106	15	14
H21034				74	81	52	16	41	59			1.69	29.1	-0.72	4.6	45.9	42	188	-41	23.3	-16.1	-6.0	44.7	27	54	2.95	-0.19	0.88		
H 220034		HDH 170171	HDH 190116	113	112	93	91	98	112	105	109	114	112	91	93	107	110	107	103	124	96	97	104	105	110	125	91	105	3	1
H22034				68	70	46	20	43	54	25	48	-0.11	21.3	0.27	-1.3	28.8	29	126	-23	23.2	-1.0	-5.2	35.9	15	35	2.82	-1.00	0.86		
H 220036		VV 160075	HDH 180103	88	124	85	89	90	107	109	106	70	124	121	85	113	113	111	108	118	90	91	101	100	108	114	91	95	10	3
H22036				75	73	50	26	47	58	21	51	3.73	28.1	-0.88	-3.9	32.9	32	142	-30	20.4	4.4	-4.0	33.4	12	33	1.88	-1.01	0.04		
H 220038		HH 170028	HDH 180078	86	109	126	90	102	112	105	109	81	109	109	126	108	108	107	112	126	99	97	114	102	102	105	93	118	15	3
H22038				77	74	55	31	44	59	37	55	2.71	19.3	-0.43	8.7	29.3	27	123	-34	24.5	-2.7	-5.1	42.2	13	27	1.17	-0.67	1.86		

Sires

Bull			Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.
H 220134	 VV 180207 H 200029		116	106	87	97	109	110	105	107	113	106	103	87	102	104	107	110	98	96	109	119	109	109	101	117	102	10	
H22134			87	84	81	78	81	78	79	78	-0.03	17.8	-0.18	-3.2	24.5	23	127	-32	9.2	-1.0	-7.7	45.7	17	35	0.82	2.34	0.63		
											89	84	81	81	80	78	79	78	80	81	79	82	80	80	79	79	79		
H 230008	 H 200016 HDH 140075		125	104	93	93	116	117	96	112	125	104	145	93	97	107	99	101	100	111	107	118	107	110	111	102	108	9	
H23008			85	82	80	77	80	76	78	76	-1.03	17.1	-1.81	-1.3	20.7	26	89	-21	10.5	-12.7	-7.2	45.4	16	36	1.69	0.43	1.03		
											86	82	79	80	78	77	77	77	78	80	78	81	78	77	77	77	77		
H 230078	 H 200016 HDH 180079		105	122	87	85	109	121	109	118	105	122	138	87	118	118	108	105	127	114	91	118	108	121	130	92	106		
H23078			84	85	80	77	79	77	78	77	0.65	26.7	-1.55	-3.3	37.1	37	130	-26	25.1	-14.6	-3.9	45.4	17	48	3.25	-0.78	0.93		
											85	85	80	80	78	77	78	77	78	80	77	81	78	78	78	77	77		
HDH 160087	VV 110148 HDH 110148		83	111	100	103	102	104	110	103	68	111	138	100	106	95	113	110	96	92	105	112	112	108	98	102	95	65	52
HDH16087			91	92	78	39	67	76	26	66	3.88	20.5	-1.55	0.7	27.7	15	149	-31	8.3	2.3	-6.8	40.9	19	33	0.61	0.49	0.05		
											94	92	77	78	57	39	26	23	28	77	45	80	28	27	23	22	21	17	24
HDH 170171	VV 100149 HDH 140006		135	114	88	89	95	119	105	116	132	114	99	88	108	113	108	107	145	102	91	95	96	108	138	91	105	55	39
HDH17171			88	89	67	31	64	72	44	66	-1.62	22.2	-0.04	-3.0	29.2	32	128	-28	35.0	-5.0	-4.0	29.7	10	33	3.92	-0.94	0.82	6	6
											93	89	69	67	72	31	62	20	70	74	40	77	71	68	64	59	57		
HDH 180132	ML 140045 HDH 150192		95	112	75	87	92	94	113	95	91	112	116	75	107	117	113	110	101	87	97	103	107	111	104	101	106	11	8
HDH18132			75	76	52	15	48	59	20	51	1.92	21.5	-0.69	-6.7	28.2	35	150	-32	10.7	6.2	-5.1	34.9	16	36	1.12	0.37	0.88		
											81	76	49	52	26	15	24	13	26	51	29	65	24	23	12	11	11	2	2
HDH 190025	DJW 140035 JL 100076		115	95	94	104	89	93	90	89	113	95	102	94	93	95	91	101	85	87	100	89	94	99	93	98	108	15	13
HDH190025			77	79	56	31	49	62	35	57	0.00	11.9	-0.15	-1.0	17.9	15	55	-21	2.4	6.7	-5.8	25.3	8	23	0.17	-0.08	1.10		
											84	79	50	56	50	31	42	25	45	52	30	66	45	44	41	39	38	1	1
HDH 190104	HH 150010 HDH 130128		115	107	101	97	102	114	97	109	112	107	132	101	105	101	100	100	104	99	95	115	97	107	108	99	120	5	5
HDH19104			74	76	60	24	46	60	22	52	0.07	18.7	-1.31	1.1	27.3	21	95	-20	12.5	-2.7	-4.7	43.0	10	32	1.43	0.01	2.03		
											78	76	58	60	49	24	26	16	29	49	28	61	23	22	19	18	17	2	2
HH 150010	 DJW 100077 HH 100006		132	109	98	105	121	131	91	123	123	109	118	98	111	93	93	98	92	129	109	100	87	103	108	83	111	60	57
MANAGER			94	95	91	85	89	86	84	86	-0.89	19.4	-0.78	0.1	31.5	13	66	-17	6.1	-26.9	-7.7	32.7	5	28	1.45	-1.93	1.31		
											95	95	90	91	86	85	85	84	85	89	86	92	85	85	85	85	85	14	29
HH 170008	AT 930013 HH 110012		92	95	99	108	91	87	103	87	93	95	100	99	100	90	106	110	77	91	103	85	98	95	86	112	90	1	4
OCTA			62	76	63	28	55	60	41	56	1.71	12.2	-0.07	0.4	23.1	10	122	-32	-1.9	3.4	-6.4	22.7	11	19	-0.35	1.74	-0.38		
											63	76	56	63	42	28	43	37	46	55	43	68	44	43	33	31	30	1	1
HH 170028	 SP 140020 VV 020128		112	101	136	83	104	119	110	116	109	101	107	136	104	116	115	136	127	100	112	96	106	102	95	89	130	77	66
OHIO			95	95	90	86	89	87	88	87	0.34	15.3	-0.34	11.6	26.4	34	158	-63	24.8	-3.8	-8.3	30.0	16	26	0.32	-1.27	2.83		
											96	95	89	90	90	86	87	88	89	90	85	91	89	88	87	86	86	14	22

Sires

Bull				Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID Dam ID	G	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	FCR	Scrotal	Heifer	Cow	Long-evi	Height	Length	EMA	Fat	Marbling	Birth	Wean
				Ease Value	Grwth Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight						Fertility	Fertility	ty						Grwth Test
HH 190014		SP 140020 HH 100006		83	113	103	110	132	121	102	117	70	113	98	103	113	88	102	108	103	131	125	107	96	102	94	93	122	11	11
QUANDARY				89	90	87	84	86	82	84	82	3.69	21.6	0.02	1.6	33.2	8	105	-30	12.0	-28.2	-10.9	37.7	10	27	0.29	-0.71	2.23		
												90	90	85	87	85	84	84	83	84	86	84	88	84	84	84	83	83		
HHH 130004		VV 080074 JL 060084		91	104	75	105	75	79	99	78	90	104	128	75	101	95	97	93	96	91	79	73	95	98	107	92	91	59	32
13-04				88	88	62	15	65	70	28	62	1.95	16.8	-1.14	-6.9	24.0	15	84	-12	8.4	3.4	-1.5	14.9	9	23	1.32	-0.84	-0.30	1	4
												93	88	67	62	40	15	39	14	44	77	37	81	43	41	31	28	27		
IGB 190013		KSS 130029 KT 150023		89	121	70	95	102	104	112	103	84	121	117	70	116	107	113	111	125	100	108	94	95	109	100	120	110	54	47
IGB190013				88	89	60	25	56	69	66	68	2.53	26.0	-0.72	-8.3	35.1	26	152	-33	23.9	-4.1	-7.4	29.1	9	34	0.79	2.71	1.26	7	4
												93	89	66	60	68	25	63	62	71	67	31	70	72	69	65	60	58		
JH 160078		VV 080131 JH 110046		118	97	100	104	86	98	97	95	114	97	109	100	89	95	99	89	88	95	89	85	102	107	107	92	99	23	26
1678				82	87	61	37	54	68	41	63	-0.09	13.0	-0.41	0.6	14.4	14	92	-7	3.8	0.1	-3.6	22.6	13	32	1.36	-0.89	0.36		1
												88	87	58	61	58	37	44	35	73	51	35	76	48	47	65	59	58		
JH 170074		KTZ 120010 KVS 140210		78	116	111	90	108	113	130	115	86	116	83	111	129	109	136	126	121	105	109	104	110	122	104	148	117	5	31
KIETZMAN				89	93	86	83	86	83	86	84	2.36	23.6	0.58	4.0	45.8	28	250	-51	21.5	-7.8	-7.7	35.4	18	48	1.12	6.32	1.81	1	4
												90	93	85	86	86	83	86	83	88	87	83	89	89	88	87	85	85		
JH 190072		SP 110076 JH 110090		88	108	75	107	96	91	111	92	68	108	112	75	108	93	107	99	89	100	92	98	78	98	87	71	59	78	66
1972				95	96	92	90	92	88	92	89	3.88	19.3	-0.55	-6.8	29.4	13	124	-19	4.4	-4.1	-4.2	31.9	-1	23	-0.31	-3.57	-2.91	3	2
												96	96	92	92	92	90	92	90	93	92	90	93	93	93	92	92	92		
JL 050117		JL 020145 JL 980234		126	97	110	87	106	111	90	105	125	97	141	110	106	113	96	111	80	120	93	94	99	98	97	86	92		20
05 117				76	81	84	22	72	70	32	62	-1.02	12.8	-1.67	3.9	28.1	32	80	-32	-0.6	-19.9	-4.3	29.0	12	23	0.53	-1.61	-0.25		69
												76	81	78	84	66	22	42	18	47	79	55	83	30	30	10	10	9		
JL 060247		JL 010059 JL 980081		88	97	84	105	105	87	87	83	94	97	84	84	94	95	97	98	87	96	127	84	93	98	100	100	97		11
06 247				71	79	80	32	67	67	36	61	1.59	13.2	0.56	-4.3	18.3	14	83	-18	3.5	-0.4	-11.3	22.1	8	22	0.80	0.14	0.14		42
												71	79	70	80	67	32	42	26	47	73	49	78	36	35	14	13	12		
JL 090242		JL 060168 JL 050154		93	116	86	90	96	104	102	102	91	116	110	86	101	112	105	104	98	106	94	88	107	115	106	102	100		13
JL09242				70	79	79	24	68	66	24	58	1.85	23.6	-0.44	-3.4	24.1	30	115	-25	9.5	-9.0	-4.6	24.9	16	41	1.24	0.48	0.45		40
												70	79	72	79	48	24	30	15	33	75	47	82	28	28	11	10	10		
JL 120005		HN 050046 LF 030025		95	126	83	79	120	123	134	125	100	126	88	83	124	126	135	116	113	109	135	95	143	144	136	82	110	68	44
JL1205				92	92	88	47	79	80	42	72	1.13	28.9	0.41	-4.5	42.0	44	244	-39	17.6	-11.3	-12.9	29.5	38	72	3.74	-2.11	1.20		28
												94	92	83	88	68	47	48	33	66	85	58	93	52	50	39	36	35		78
JL 120132		HN 050046 JL 070151		85	106	98	98	118	106	111	105	54	106	106	98	111	101	113	107	88	119	132	77	118	114	105	89	103	61	85
12 132				93	95	89	80	88	85	80	84	5.08	18.0	-0.29	0.2	31.5	20	150	-28	3.8	-18.7	-12.3	17.5	23	39	1.15	-1.23	0.69		15
												95	95	87	89	83	80	80	79	80	88	81	94	80	80	79	79	79		37

Sires

Bull			Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.
			Name																										
JT 150001		VV 110021 JF 120037	84	110	90	99	85	92	105	91	89	110	147	90	105	101	103	98	96	83	95	91	115	109	97	112	107	29	16
HERCULES			93	91	89	85	87	84	84	84	2.05	20.4	-1.87	-2.2	26.7	20	107	-17	8.0	10.0	-4.8	27.0	21	34	0.53	1.74	1.00		
											94	91	90	89	87	85	85	84	85	87	85	90	85	85	84	84	84	21	29
KVS 130164		KVS 100241 KVS 110065	112	114	111	99	137	139	125	138	117	114	81	111	122	99	121	127	130	134	130	108	111	104	87	62	92	80	87
KVS130164			95	96	90	88	90	87	90	88	96	96	89	90	92	88	91	89	92	91	88	92	93	93	90	89	89	13	4 6
KVS 180301		KVS 100241 KVS 120149	81	117	108	98	113	118	132	120	84	117	94	108	134	100	134	130	99	114	93	123	109	114	116	44	87		24
KVS180301			59	85	54	23	52	60	58	60	63	85	44	54	62	23	69	39	78	60	32	64	79	76	70	64	63	3	1 1
KVS 180387		KVS 150195 KVS 130035	83	120	89	90	97	105	117	106	78	120	98	89	126	111	123	123	98	97	96	101	107	115	116	96	102	16	8
KVS180387			70	74	43	17	41	55	21	48	80	74	30	43	42	17	27	13	30	39	26	57	30	29	15	13	13		
KVS 210173		KVS 180301 KVS 120092	83	120	95	99	115	118	119	117	80	120	100	95	130	101	123	121	95	115	105	112	108	112	115	69	95	11	6
KVS210173			66	75	47	18	41	55	33	51	75	75	32	47	36	18	39	23	43	44	25	54	44	43	37	34	33		
LH 060062		LH 030018 LH 030074	123	103	99	141	82	110	89	104	-0.93	16.2	-1.87	0.4	30.9	-13	63	-25	12.1	7.5	-2.9	27.2	-1	4					
06 62			72	74	68	37	54	62	72	64	75	74	59	68	66	37	65	70	74	58	34	69	75	72				3	18
LL 150177		SP 110055 LL 110144	102	102	114	94	74	95	102	93	103	102	98	114	109	104	106	96	78	69	91	87	97	107	131	110	117	50	50
LL150177			87	91	73	37	62	73	57	70	92	91	66	73	58	37	70	38	77	67	35	84	78	76	70	65	64	9	9 16
ML 120027		JL 040218 LF 050017	105	106	79	83	109	100	101	97	109	106	86	79	106	122	101	100	97	119	111	81	107	106	117	90	109	47	88
ML120027			91	95	86	75	85	84	76	82	0.35	18.0	0.47	-5.7	27.7	40	101	-20	8.5	-18.7	-8.1	20.1	17	31	2.16	-1.03	1.12		
											93	95	83	86	78	75	77	75	78	84	77	93	76	76	75	75	75	9	32
ML 140045		DT 100137 JL 070008	128	93	61	106	97	87	100	86	123	93	106	61	90	96	101	104	79	89	109	96	76	89	94	102	106	24	21
ML140045			88	89	82	76	81	80	76	79	-0.89	11.0	-0.28	-11.2	15.4	15	101	-24	-1.0	5.1	-7.7	30.1	-2	12	0.31	0.46	0.89		
											90	89	80	82	78	76	77	75	78	81	77	86	77	77	75	75	75	2	4
ML 140090		DT 100137 JL 080330	126	87	62	113	109	87	96	85	161	87	129	62	84	89	94	97	82	92	136	89	74	85	91	104	110	16	21
ML140090			85	89	82	75	81	79	76	78	-4.17	7.6	-1.21	-10.7	10.7	8	68	-16	0.6	2.6	-13.1	25.8	-4	8	0.05	0.65	1.21		
											87	89	79	82	76	75	77	75	77	79	77	87	77	77	75	75	75	2	5
OLG 160017		HH 130015 SP 990086	80	140	99	82	78	120	130	122	54	140	90	99	142	121	141	141	104	73	88	99	128	146	149	96	125	17	10
BOTHA			80	77	69	42	59	66	70	67	5.04	36.8	0.33	0.5	55.3	39	268	-68	12.8	17.8	-3.3	32.3	29	74	4.81	-0.27	2.47		
											85	77	61	69	46	42	61	69	71	65	38	74	73	69	62	55	52	6	13

Sires

Bull			Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID Dam ID	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	FCR	Scrotal	Heifer	Cow	Long-evi	Height	Length	EMA	Fat	Marbling	Birth	Wean
			Ease Value	Grwth Value	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight					Fertility	Fertility	Fertility	ty					
OLG 200013 ORION		SP 080037 GR 050047	111	97	95	109	87	94	96	91	111	97	97	95	98	90	99	92	100	83	92	103	111	110	102	96	104	50	37
			84	88	63	28	55	69	38	63	0.20	13.1	0.03	-0.8	21.3	9	92	-10	10.6	10.1	-4.2	35.0	19	35	0.90	-0.34	0.77		
			92	88							92	88	54	63	42	28	40	32	44	55	38	71	45	43	35	31	30		
RD 190041		SP 160090 SZ 160011	101	79	110	134	115	92	72	85	98	79	110	110	78	72	72	81	71	124	96	110	65	75	81	77	98	13	12
			78	81	57	24	47	62	28	55	1.27	2.9	-0.47	3.6	5.8	-7	-27	3	-5.2	-23.1	-5.0	39.7	-9	-2	-0.78	-2.70	0.26		
			84	81				62	28	55	84	81	52	57	31	24	30	23	34	53	26	62	33	31	27	24	24	2	2
RD 200049		HHH 130004 RD 170014	99	119	90	89	87	107	115	107	96	119	113	90	113	113	116	110	109	87	87	104	110	112	115	98	94	53	32
			84	88	52	14	46	65	21	56	1.48	24.9	-0.57	-2.2	33.4	31	162	-32	15.0	6.8	-3.1	35.9	18	37	1.97	-0.11	-0.09		
			84	88				65	21	56	93	88	47	52	27	14	25	14	28	50	26	62	28	26	21	19	19		
SP 060039		SP 030025 SP 010103	80	121	90	77	95	102	127	105	71	121	90	90	130	129	129	128	88	106	92	90	138	119	75	137	90	103	101
			96	97	95	87	94	89	92	90	3.57	26.0	0.31	-2.3	46.0	47	219	-53	3.9	-8.5	-4.1	25.9	35	46	-1.28	4.98	-0.36		
			96	97				89	92	90	97	97	94	95	90	87	92	90	93	95	89	97	94	93	89	88	88	27	60 162
SP 110076		KT 080007 SP 060099	85	123	77	85	87	100	124	102	83	123	104	77	128	119	131	123	107	87	88	102	101	116	127	44	74	9	60
			84	94	89	42	78	79	70	77	2.62	27.4	-0.23	-6.2	45.2	37	229	-47	14.3	6.4	-3.4	34.1	13	42	2.96	-6.96	-1.66		
			84	94				79	70	77	87	94	74	89	68	42	72	64	78	85	57	92	81	77	77	73	72	9	26 80
SP 190088		20143156 SP 110014	82	130	110	84	118	133	110	128	62	130	96	110	130	118	111	105	107	126	110	95	107	111	97	128	112	18	18
			74	81	55	23	47	61	30	55	4.42	31.2	0.07	3.7	46.3	36	141	-26	14.0	-24.9	-7.9	29.4	16	37	0.52	3.79	1.41		
			74	81				61	30	55	82	81	41	55	28	23	29	28	32	48	28	64	33	32	26	24	23		
SP 210076		JH 170074 HH 150041	84	129	113	77	121	133	137	135	80	129	103	113	135	126	140	129	120	115	116	113	136	131	107	128	112	44	33
			91	92	85	82	84	83	82	83	2.82	30.3	-0.18	4.7	50.5	44	264	-54	21.0	-16.0	-9.0	41.6	34	58	1.37	3.83	1.39		
			91	92				83	82	83	93	92	82	85	84	82	83	82	83	84	81	86	83	83	83	82	82		
SS 150092		DJW 120002 JO 100039	89	126	79	89	88	106	136	110	78	126	117	79	132	113	137	141	92	77	105	96	105	126	102	101	111	96	63
			91	92	78	38	66	76	81	77	3.02	28.7	-0.73	-5.6	48.0	32	254	-69	5.8	14.7	-6.9	30.4	15	52	0.93	0.29	1.33		
			91	92				76	81	77	95	92	77	78	67	38	80	77	86	73	40	84	87	85	82	78	77	13	14 23
SS 170001		VV 120113 SP 090024	112	106	48	99	119	97	98	94	106	106	119	48	98	105	95	85	110	127	98	113	82	98	137	44	97	123	112
			96	96	90	87	89	87	92	88	0.58	17.8	-0.82	-15.0	21.2	24	74	-2	16.1	-25.3	-5.4	41.9	1	22	3.78	-6.96	0.19		
			96	96				87	92	88	97	96	90	90	88	87	91	91	92	90	86	92	93	92	91	90	90	14	13 16
SS 210095		20145305 SS 130009	132	107	113	93	124	134	103	128	124	107	122	113	106	106	103	98	127	132	102	115	96	107	105	94	109	76	45
			95	95	91	89	90	87	90	88	-0.95	18.3	-0.92	4.8	27.9	25	107	-17	25.1	-29.2	-6.2	43.0	10	32	1.18	-0.57	1.15		
			95	95				87	90	88	96	95	90	91	92	89	91	89	92	90	89	91	92	91	91	90	90		
SZ 110009		VV 080007 DJW 080061	105	93	67	131	99	85	80	80	106	93	139	67	84	77	81	87	89	112	92	90	72	78	71	91	88		
			79	69	76	26	66	64	27	57	0.59	11.1	-1.58	-9.2	11.0	-3	13	-5	4.5	-13.4	-4.2	25.9	-5	1	-1.63	-1.00	-0.57		
			79	69				64	27	57	80	69	73	76	37	26	31	21	33	73	42	84	29	28	22	20	19	15	29

Sires

Bull				Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny			
ID	Index EBV Acc	Sire ID	Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.	
SZ 170013		SP 080037																													
		DJW 060035																													
RSM																															
VV 060027		VV 990175																													
		VV 990100																													
06 27																															
VV 100149		JL 060140																													
		VV 070133																													
VV100149																															
VV 110148		VV 080106																													
		VV 040095																													
VV110148																															
VV 140112		JL 050119																													
		VV 120051																													
VV140112																															
VV 160075		VV 020194																													
		VV 050063																													
VV160075																															
VV 180152		VV 140163																													
		VV 110137																													
VV180152																															
VV 180207		VV 120148																													
		VV 140087																													
VV180207																															

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																														
JH 190072 291225886 1972	1	SP 110076 JH 110090		88 95	108 96	75 92	107 90	96 92	91 88	111 92	92 89	97 92	68 3.88 96	112 -0.55 92	93 13 90	108 19.3 96	75 -6.8 92	89 27 93	108 29.4 92	107 124 92	99 -19 90	89 4.4 93	100 -4.1 92	92 -4.2 90	98 31.9 93	78 -1 93	98 23 93	87 -0.31 92	71 -3.57 92	59 -2.91 92
H 200065 291281863 H20065		OLG 160017 HDH 140188		84 64	115 64	107 48	79 25	88 35	101 50	106 34	100 47	118 29	87 2.25 69	98 0.02 45	124 42 25	115 22.7 64	107 2.8 48	109 77 46	111 31.9 24	114 154 30	106 -27 34	107 14.0 36	79 12.5 39	96 -5.0 20	103 35.2 47	116 22 36	121 48 34	128 3.04 31	107 1.15 27	120 2.06 26
RD 200049 291379113 DONALD	1	HHH 130004 RD 170014		99 84	119 88	90 52	89 14	87 46	107 65	115 21	107 56	112 20	96 1.48 93	113 -0.57 47	113 31 14	119 24.9 88	90 -2.2 52	104 65 51	113 33.4 27	116 162 25	110 -32 14	109 15.0 28	87 6.8 50	87 -3.1 26	104 35.9 62	110 18 28	112 37 26	115 1.97 21	98 -0.11 19	94 -0.09 19
H 210014 291335321 H21014		SZ 170013 HDH 170089		83 71	95 53	103 42	112 16	102 42	90 47	85 20	85 42	86 16	87 2.20 78	94 0.18 45	87 7 16	95 11.9 53	103 1.7 42	102 60 37	92 17.2 30	90 51 22	90 -8 17	90 5.1 24	107 -9.3 45	95 -4.7 26	101 34.0 55	89 6 21	92 16 21	95 0.39 17	96 -0.31 16	102 0.55 16
H 210066 291344281 H21066	1	VV 140112 HDH 170075		79 69	110 60	94 57	99 30	91 48	94 53	92 28	90 48	99 39	74 3.33 72	88 0.40 55	101 20 30	110 20.2 60	94 -1.1 57	104 63 49	106 27.7 42	95 76 40	99 -19 14	102 11.5 44	95 0.0 54	85 -2.7 35	104 36.0 56	97 10 43	100 25 42	96 0.41 40	122 3.08 38	109 1.19 37
KVS 210173 291358687 KVS210173	8	KVS 180301 KVS 120092		83 66	120 75	95 47	99 18	115 41	118 55	119 33	117 51	111 36	80 2.84 75	100 -0.07 32	101 20 18	120 25.8 75	95 -0.7 47	114 89 47	130 46.7 36	123 191 39	121 -45 23	95 7.8 43	115 -16.0 44	105 -6.8 25	112 41.3 54	108 17 44	112 38 43	115 2.02 37	69 -3.78 34	95 0.05 33
SP 210076 291341832 SP210076		JH 170074 HH 150041		84 91	129 92	113 85	77 82	121 84	133 83	137 82	135 83	138 82	80 2.82 93	103 -0.18 82	126 44 82	129 30.3 92	113 4.7 85	125 116 86	135 50.5 84	140 264 83	129 -54 82	120 21.0 83	115 -16.0 84	116 -9.0 81	113 41.6 86	136 34 83	131 58 83	107 1.37 83	128 3.83 82	112 1.39 82
H 220192 94786175 H22192	1	HDH 170171 H 200071		127 65	116 66	93 48	91 24	106 41	126 52	106 24	121 46	112 32	120 -0.60 70	113 -0.58 44	110 29 24	116 23.5 66	93 -1.2 48	105 67 46	111 31.3 40	108 128 33	106 -27 12	129 26.0 37	108 -10.1 48	101 -6.0 24	102 34.2 50	101 13 37	112 37 36	128 3.04 33	92 -0.84 31	108 1.05 30
H 230040 95444410 H23040		JH 190072 HDH 190087		83 85	115 85	97 81	91 78	111 80	109 78	114 79	109 78	108 79	54 5.08 86	100 -0.07 80	109 28 78	115 22.8 85	97 -0.3 81	107 71 81	113 33.0 80	111 144 79	101 -21 78	99 9.7 80	99 -3.4 80	117 -9.2 78	110 39.9 81	106 15 80	114 40 80	103 1.05 79	85 -1.79 79	89 -0.46 79
H 230048 95485074 H23048		JH 190072 HDH 120182		88 84	121 84	96 80	98 77	93 79	111 77	120 78	111 77	109 78	65 4.13 85	114 -0.62 79	101 20 77	121 26.0 84	96 -0.4 80	115 92 80	123 41.1 78	118 174 78	111 -33 77	114 17.9 79	83 9.9 79	94 -4.6 77	116 43.7 80	104 15 79	112 38 79	98 0.60 78	86 -1.55 78	82 -1.03 78
H 230078 95610549 H23078		H 200016 HDH 180079		105 84	122 85	87 80	85 77	109 79	121 77	109 78	118 77	115 78	105 0.65 85	138 -1.55 80	118 37 77	122 26.7 85	87 -3.3 80	102 60 81	118 37.1 78	108 130 78	105 -26 77	127 25.1 78	114 -14.6 80	91 -3.9 77	118 45.4 81	108 17 78	121 48 78	130 3.25 78	92 -0.78 77	106 0.93 77
H 230097 95674636 H23097		H 200016 HDH 160259		83 85	114 85	85 81	91 78	115 81	105 78	102 78	103 78	106 78	85 2.36 86	139 -1.56 81	110 29 78	114 22.5 85	85 -3.7 81	97 48 81	110 31.2 79	104 112 78	108 -29 78	93 6.5 79	106 -8.9 81	114 -8.7 79	113 41.5 82	104 15 79	109 34 79	111 1.67 78	91 -0.93 78	109 1.19 78

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID		Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name				Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
H 230125 95766853 H23125		HH 170028 HDH 190083		102 85	105 85	112 81	96 78	110 80	113 78	106 79	111 78	106 78	100 1.09 86	106 -0.29 80	102 21 78	105 17.3 85	112 4.4 81	113 86 81	102 24.5 80	108 131 79	119 -43 79	107 14.0 79	96 -0.8 81	120 -9.9 78	108 38.3 81	91 7 79	98 23 79	97 0.54 78	98 0.00 78	122 2.19 78
H 230194 97372205 H23194		JH 190072 H 210072		111 82	96 82	88 80	108 78	125 79	106 76	101 78	103 76	95 79	106 0.60 83	113 -0.57 79	91 11 78	96 12.3 82	88 -2.9 80	88 25 80	97 21.2 80	101 101 79	99 -19 78	82 0.7 80	131 -28.8 80	108 -7.5 78	110 39.6 80	82 1 80	98 22 79	93 0.20 79	77 -2.74 79	84 -0.85 79
H 240001 96660097 H24001		HDH 160087 HDH 120101		89 55	95 68	92 53	110 21	99 43	86 52			92 14	87 2.20 56	109 -0.43 50	89 9 21	95 11.9 68	92 -1.8 53	91 34 47	93 18.0 32	96 77 21	94 -13 15	93 6.7 23	96 -0.3 49	98 -5.4 29	106 37.2 52	93 8 18	91 15 17	93 0.15 14	104 0.77 13	103 0.65 13
H 240002 96754577 H24002		HDH 160087 HDH 150168		80 53	97 68	101 53	104 21	94 43	85 51			94 12	78 3.03 54	91 0.27 47	94 13 21	97 13.1 68	101 1.1 53	100 54 47	95 19.3 32	97 84 16	95 -14 13	95 7.5 17	92 2.7 48	89 -3.6 29	111 40.6 52	100 12 16	96 20 16	95 0.33 13	101 0.27 12	99 0.36 12
H 240006 96749791 H24006	1	H 200016 H 200064		112 55	106 66	87 45	95 31	112 37	110 50	105 22	107 44	110 22	105 0.65 59	118 -0.78 38	105 24 31	106 18.2 66	87 -3.3 45	93 37 47	107 28.2 24	109 132 23	109 -31 19	99 9.8 27	100 -3.9 45	114 -8.7 21	115 43.2 45	108 17 27	116 42 26	118 2.22 23	95 -0.44 20	111 1.28 20
H 240007 96361217 H24007		JH 190072 H 210095		87 82	123 85	98 81	92 79	106 80	118 77	125 80	119 78	119 80	71 3.59 83	111 -0.49 80	108 27 79	123 27.5 85	98 0.1 81	116 93 82	122 40.3 80	122 191 80	119 -43 79	114 18.1 80	96 -0.5 81	112 -8.3 79	107 37.7 81	110 18 81	118 44 80	115 1.98 80	73 -3.22 80	90 -0.41 79
H 240012 97052690 H24012	1	JT 150001 H 210046		102 65	105 49	91 44	99 20	87 35	95 44			106 14	105 0.71 69	145 -1.82 50	100 20 20	105 17.6 49	91 -2.1 44	97 46 38	101 23.8 36	105 117 16	102 -22 11	101 10.9 18	89 4.9 37	88 -3.3 22	98 31.4 47	110 18 17	107 32 17	103 0.99 14	104 0.73 13	102 0.58 13
H 240013 97007215 H24013		JT 150001 H 210123		103 84	96 81	80 80	129 77	90 79	88 76	86 77	84 76	86 77	102 0.91 85	135 -1.43 80	77 -2 77	96 12.6 81	80 -5.4 80	86 21 79	94 18.7 78	89 48 77	91 -9 77	80 -0.4 77	96 -0.5 79	91 -3.9 77	92 27.9 80	83 2 77	88 11 77	79 -0.96 77	110 1.42 77	106 0.89 77
H 240014 97007223 H24014	1	RD 190041 H 200042		127 83	87 80	105 78	111 76	115 78	107 75	88 76	101 75	85 76	119 -0.56 84	120 -0.85 78	87 7 76	87 7.8 80	105 2.3 78	96 46 78	87 13.0 76	86 37 77	88 -5 76	89 4.7 77	113 -14.5 78	101 -6.0 76	120 46.3 79	86 4 77	94 18 77	92 0.09 76	94 -0.51 76	101 0.52 76
H 240015 97007231 H24015	2	RD 190041 H 200171		124 83	93 83	107 79	110 76	119 78	114 76	82 76	106 76	83 76	119 -0.49 84	127 -1.11 79	88 8 76	93 10.6 83	107 2.9 79	103 62 79	92 17.3 76	83 23 76	92 -10 76	80 -0.4 77	129 -26.9 78	99 -5.6 77	110 39.8 79	81 1 76	89 13 76	94 0.28 76	90 -1.03 76	108 1.06 76
H 240016 97007249 H24016	1	JT 150001 H 210012		85 84	115 83	94 81	107 77	84 80	99 77	106 77	98 77	104 77	56 4.90 85	133 -1.33 81	91 11 77	115 22.7 83	94 -1.0 81	112 83 80	111 31.9 78	105 118 77	101 -21 77	97 8.9 77	83 9.8 80	85 -2.7 78	103 35.0 81	106 16 77	104 29 77	93 0.20 77	111 1.57 77	102 0.56 77
H 240019 97007256 H24019	1	H 210020 HDH 190056		86 79	119 83	94 78	87 75	113 77	114 75	114 74	113 75	109 74	55 4.99 80	107 -0.36 77	115 33 75	119 25.0 83	94 -1.0 78	107 70 79	117 36.6 76	115 159 75	110 -31 74	103 11.9 75	119 -18.7 77	104 -6.7 75	100 33.2 78	117 22 75	116 42 75	112 1.79 74	82 -2.17 74	90 -0.42 74

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high										Value <80		Value >120		Breeding values with an accuracy < 5% are not printed																	
Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass					
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling		
ID Number Name																															
H 240021 97007272 H24021		RD 190041 H 200098	122 63	82 63	99 42	113 18	112 36	96 49			73 16	116 -0.30 69	124 -0.99 41	85 6 18	82 4.7 63	99 0.4 42	86 20 41		79 6.5 24	79 5 18	85 -2 14	78 -1.4 20	121 -20.4 40	99 -5.7 22	101 33.8 45	73 -4 19	79 2 19	83 -0.62 16	86 -1.57 15	95 0.01 14	
H 240032 97007389 H24032		H 200016 HDH 190071	87 84	111 82	93 80	92 78	107 80	104 76	103 78	101 76	105 78	79 2.93 85	124 -1.00 80	108 27 78	111 20.6 82	93 -1.2 80	101 57 80		109 30.3 78	105 116 78	105 -26 77	103 12.1 78	105 -7.9 80	106 -7.0 78	103 34.7 81	107 16 78	113 38 78	107 1.36 78	97 -0.14 77	103 0.69 77	
H 240033 97052708 H24033		H 200016 H 210037	90 84	112 85	95 81	92 78	106 80	107 77	103 78	104 77	106 78	89 2.05 85	128 -1.16 80	108 27 78	112 21.4 85	95 -0.8 81	104 63 81		110 31.0 78	106 121 78	106 -27 78	98 9.2 78	95 0.2 80	111 -8.1 78	109 39.1 81	104 14 78	111 36 78	109 1.51 78	90 -1.13 78	103 0.69 78	
H 240034 97052716 H24034	1	VV 060027 HDH 170074	86 57	100 71	91 60	113 27	78 51	82 56	91 30	79 51	89 27	87 2.24 58	104 -0.23 55	86 6 27	100 14.8 71	91 -2.0 60	97 46 53		96 20.3 44	92 59 35	89 -7 24	98 9.1 38	89 4.7 55	71 0.1 38	95 29.4 59	96 9 37	96 20 36	96 0.40 28	84 -1.88 26	99 0.34 25	
H 240036 97052724 H24036		H 200016 HDH 140075	90 84	121 84	102 79	84 77	110 79	120 77	110 77	117 77	116 77	88 2.11 85	126 -1.07 79	119 37 77	121 26.5 79	102 1.4 79	114 88 80		117 36.2 77	111 144 77	109 -30 77	111 16.3 77	109 -11.0 79	101 -6.1 77	113 41.6 80	115 21 77	120 47 77	115 1.98 77	104 0.68 77	107 0.98 77	
H 240037 97052732 H24037		H 200016 H 210056	133 85	108 85	85 81	92 79	106 81	117 78	102 78	113 78	108 79	130 -1.50 86	138 -1.53 81	109 28 79	108 19.0 85	85 -3.8 81	92 35 82		102 25.0 80	105 117 79	107 -28 78	106 13.8 79	95 0.1 81	109 -7.5 79	113 41.8 82	105 15 80	113 38 79	110 1.58 79	103 0.62 79	105 0.83 79	
H 240038 97052740 H24038	1 	JH 190072 H 210039	107 83	110 83	96 78	94 75	105 78	111 76	113 76	110 76	108 76	105 0.69 84	130 -1.24 78	106 25 75	110 20.0 83	96 -0.6 78	103 61 79		106 27.9 77	112 146 77	109 -31 75	99 9.8 77	90 3.9 78	111 -8.1 76	114 42.7 79	108 17 77	114 40 77	108 1.47 77	82 -2.15 76	100 0.41 76	
H 240042 97088769 H24042	1 	JH 190072 H 210094	84 85	110 85	85 81	97 79	106 81	98 78	108 80	98 78	100 80	61 4.48 86	103 -0.19 81	104 23 79	110 20.2 85	85 -3.9 81	95 42 82		107 28.4 80	105 116 80	106 -27 79	96 8.2 81	101 -4.6 81	113 -8.4 79	99 32.2 82	94 9 81	100 24 80	88 -0.18 80	85 -1.70 80	87 -0.61 80	
H 240043 97090682 H24043	1	VV 060027 H 210031	85 68	106 69	105 55	110 27	88 49	97 56	94 29	94 51	95 27	65 4.16 71	104 -0.22 54	88 8 27	106 18.2 69	105 2.3 55	115 90 50		102 24.3 42	96 77 33	89 -7 23	99 9.8 36	88 5.9 53	89 -3.6 37	100 32.7 57	104 14 36	102 27 35	97 0.49 28	89 -1.21 26	97 0.19 25	
H 240044 97097315 H24044	1	JH 190072 H 210211	87 65	103 67	84 44	105 22	105 37	93 51	104 29	92 47	98 36	80 2.81 71	112 -0.53 42	94 14 22	103 16.3 67	84 -4.1 44	91 32 44		102 24.6 35	102 105 36	97 -16 19	93 6.8 40	103 -6.2 44	103 -6.5 23	105 36.6 45	88 5 41	98 23 39	93 0.17 37	87 -1.47 34	83 -0.94 33	
H 240045 97105324 H24045	1	JH 190072 H 210130	118 66	94 68	89 47	104 22	103 39	97 52	102 30	95 48	96 36	115 -0.21 71	133 -1.35 45	95 15 22	94 11.2 68	89 -2.5 47	86 21 46		93 17.6 36	102 105 36	98 -18 20	90 4.8 40	104 -7.1 46	98 -5.3 25	106 36.9 47	90 6 40	98 22 39	91 0.00 37	87 -1.52 34	79 -1.29 33	
H 240047 97104103 H24047	1 	VV 060027 H 210117	103 84	95 84	95 81	119 78	86 81	90 77	92 78	87 77	89 78	97 1.33 85	117 -0.73 81	82 2 78	95 12.1 84	95 -0.7 81	97 48 81		93 17.6 80	90 52 78	86 -3 78	87 3.5 79	92 2.7 81	86 -2.8 79	95 29.6 82	101 12 79	97 21 79	86 -0.41 78	94 -0.54 78	94 -0.03 78	

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Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	ID Number Name	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
H 240048 97135792 H24048			H 200016 H 210054	89 84	130 84	91 80	79 78	120 80	128 77	119 78	126 77	126 78	73 3.47 85	118 -0.76 80	126 44 78	130 31.2 84	91 -1.9 80	110 79 81	129 45.5 78	117 168 78	113 -35 78	116 19.1 79	100 -3.8 80	130 -11.9 78	116 43.9 81	124 26 79	128 55 79	118 2.23 78	115 2.09 78	114 1.54 78
H 240055 97135859 H24055	1		JH 190072 HDH 170137	83 66	97 70	81 49	112 21	107 39	85 53	89 30	82 48	87 36	88 2.13 71	90 0.33 46	88 8 21	97 13.2 70	81 -5.2 49	84 16 47	98 21.2 37	92 60 37	86 -4 20	87 3.1 41	110 -11.8 41	106 -7.0 26	96 30.4 49	77 -2 41	89 12 40	85 -0.50 37	90 -1.14 35	82 -1.06 34
H 240061 97162101 H24061			KVS 130164 HDH 140132	129 84	79 84	101 81	122 77	129 80	106 77	93 78	101 77	85 78	161 -4.12 85	124 -1.00 80	80 0 77	79 3.4 84	101 1.1 81	87 23 81	88 13.8 80	92 62 79	100 -20 78	94 7.0 79	129 -26.8 80	117 -9.2 78	113 41.9 81	83 2 80	81 4 79	79 -0.94 78	81 -2.23 78	99 0.34 78
H 240064 97170781 H24064	1		JH 190072 HDH 180060	85 68	105 69	83 50	102 23	99 40	91 54	108 31	91 49	100 36	86 2.30 73	103 -0.18 47	98 17 23	105 17.5 69	83 -4.4 50	91 32 47	103 25.8 38	107 123 37	96 -16 21	96 8.1 42	94 1.2 46	105 -6.8 26	101 33.4 49	98 11 42	106 31 40	99 0.73 37	82 -2.11 35	80 -1.21 34
H 240065 97240386 H24065	1		KVS 130164 H 210212	114 84	114 82	95 80	94 77	131 79	130 76	120 78	129 76	109 78	112 0.04 85	101 -0.10 79	106 25 77	114 22.4 82	95 -0.7 80	106 70 80	119 37.7 80	121 185 79	122 -46 78	115 18.4 79	125 -23.6 80	130 -12.0 77	106 37.2 80	110 18 79	106 31 79	103 1.03 78	74 -3.13 78	91 -0.31 78
H 240066 97240394 H24066			HH 190014 H 210157	88 63	113 65	98 47	115 28	118 37	116 51	104 21	113 45	105 20	71 3.63 68	113 -0.57 41	85 5 28	113 21.7 65	98 0.0 47	116 93 47	110 30.6 30	106 120 21	105 -26 19	102 11.7 24	113 -14.2 41	113 -8.5 24	112 41.3 45	103 14 24	105 30 23	99 0.71 21	97 -0.17 19	110 1.26 19
H 240067 97245310 H24067	1		KVS 130164 HDH 120133	102 81	108 82	106 80	97 77	131 79	124 75	115 78	122 76	106 78	106 0.59 82	86 0.48 79	101 20 77	108 19.1 82	106 2.7 80	112 83 80	114 33.7 80	114 153 79	114 -36 77	116 19.2 79	121 -20.9 80	136 -13.2 77	104 36.0 81	104 14 79	104 28 79	98 0.58 78	72 -3.43 78	97 0.21 78
H 240068 97240402 H24068	1		KVS 130164 HDH 160064	111 85	111 85	100 81	100 78	131 80	129 78	110 78	125 78	104 78	111 0.13 86	97 0.05 81	99 18 78	111 20.5 85	100 0.6 81	109 77 81	116 35.7 80	113 151 79	115 -38 78	108 14.8 79	132 -29.2 81	115 -8.8 78	118 45.1 81	95 9 80	100 24 80	94 0.27 79	73 -3.25 78	89 -0.46 78
H 240069 97240410 H24069			KVS 130164 HDH 190070	94 84	109 84	122 80	99 76	149 79	136 77	118 78	133 77	108 78	94 1.60 85	104 -0.21 79	98 17 76	109 19.5 84	122 7.5 80	127 121 80	116 35.4 79	116 162 78	113 -35 77	114 18.2 79	142 -37.2 80	145 -15.0 77	110 39.6 80	116 22 79	111 37 79	92 0.14 78	81 -2.22 77	102 0.55 77
H 240073 97245344 H24073	1		KVS 130164 H 210049	85 85	120 85	118 81	92 79	110 81	124 78	114 80	122 78	117 80	94 1.66 86	78 0.78 81	106 25 79	120 25.7 85	118 6.1 81	130 127 82	122 39.9 80	114 154 80	114 -37 79	117 19.9 81	104 -7.2 81	107 -7.2 79	113 41.7 82	112 19 81	115 41 81	100 0.75 80	95 -0.40 79	106 0.91 79
H 240074 97240436 H24074			H 220049	125 80	94 79	98 75	104 73	111 75	107 72	99 74	104 72	99 74	122 -0.80 81	100 -0.09 75	94 14 73	94 11.4 79	98 0.1 75	94 40 76	99 22.6 74	103 107 74	108 -29 73	107 14.4 74	113 -14.6 75	102 -6.2 74	106 37.4 75	90 6 74	96 20 74	102 0.92 74	100 0.16 74	102 0.56 74
H 240080 97274518 H24080			H 200016 HDH 160043	96 85	109 85	105 81	95 78	114 81	114 78	100 78	110 78	101 78	93 1.72 86	112 -0.54 81	104 23 78	109 19.8 85	105 2.2 81	110 80 81	106 28.1 79	104 110 79	105 -26 78	106 13.5 79	97 -1.4 81	121 -10.2 79	114 42.5 82	105 15 79	107 32 79	104 1.13 79	93 -0.75 78	98 0.28 78

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Animal				Selection Values							Birth		Wean				Growth			Fertility				Frame		Carcass				
Index EBV Acc	ID Number Name	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
H 240083 97274542 H24083	 H 210034 H 210073			100 82	114 79	113 77	87 75	124 76	128 73	101 75	123 73	106 75	99 1.20 83	105 -0.26 76	112 31 75	114 22.5 79	113 4.8 77	119 100 77	120 38.3 76	104 111 75	105 -26 75	106 13.9 75	126 -24.6 77	106 -7.1 75	119 45.7 77	99 12 75	106 31 75	111 1.71 75	98 -0.11 75	103 0.68 75
H 240091 97293187 H24091	 H 200016 HDH 190050			85 85	129 84	93 80	83 78	106 80	121 77	122 78	121 77	122 78	73 3.43 86	106 -0.31 80	120 38 78	129 30.7 84	93 -1.3 80	113 87 81	126 43.4 78	121 184 78	112 -34 77	113 17.5 78	96 -1.0 80	107 -7.2 78	114 42.8 81	126 28 78	130 57 78	128 3.10 78	85 -1.70 78	111 1.29 78
H 240110 97349252 H24110	OLG 200013 HDH 180032			99 65	96 57	105 46	106 16	94 37	94 47	96 20	92 42	96 17	104 0.81 71	88 0.41 42	92 12 16	96 12.5 57	105 2.2 46	103 61 40	94 18.7 28	99 91 21	93 -12 17	99 9.6 23	96 -1.0 38	90 -3.7 27	103 35.3 47	105 15 23	106 31 23	98 0.62 18	99 0.05 16	102 0.56 16
H 240114 97373948 H24114	2 H 210020 HDH 130128			92 65	104 67	98 48	95 14	93 36	95 51			107 11	91 1.87 70	129 -1.18 44	105 24 14	104 17.1 67	98 0.0 48	100 55 43	101 23.7 26	107 125 20	104 -24 13	108 14.9 23	91 3.4 40	90 -3.7 23	110 39.7 44	107 16 15	108 33 15	104 1.11 11	105 0.89 11	112 1.40 10
H 240123 97397053 H24123	H 210014 HDH 190079			94 63	102 42	95 31	103 12	103 32	98 38			96 8	94 1.59 69	102 -0.16 37	95 15 12	102 15.8 42	95 -0.8 31	99 52 28	96 20.3 19	97 81 15	94 -13 9	95 7.6 16	100 -3.8 36	106 -7.0 20	101 33.4 39	93 8 15	99 23 14	101 0.84 9	106 0.93 8	112 1.41 8
H 240125 97397079 H24125	 H 200016 H 220005			120 84	105 85	78 81	97 78	106 80	106 77	106 78	104 77	108 78	118 -0.44 85	137 -1.49 80	103 23 78	105 17.4 85	78 -5.8 81	85 18 81	103 25.2 78	109 132 78	110 -31 78	93 6.6 78	104 -7.3 81	98 -5.3 78	113 42.1 81	110 18 78	110 35 78	103 1.00 78	101 0.35 78	100 0.46 78
H 240126 97397087 H24126	1 RD 200049 HDH 170031			77 65	107 53	101 43	98 9	92 35	92 45			101 12	82 2.65 71	81 0.68 41	101 20 9	107 18.3 53	101 0.9 43	106 68 35	104 26.1 18	104 110 14	97 -17 8	102 11.6 15	100 -4.2 39	81 -1.9 22	102 34.6 45	102 13 15	102 27 15	102 0.96 12	102 0.50 11	98 0.26 10
H 240129 97401715 H24129	 H 200016 H 220041			126 84	119 84	81 80	83 77	112 79	126 77	110 78	122 77	118 77	121 -0.71 85	128 -1.15 79	122 40 77	119 25.2 84	81 -4.9 80	95 42 80	114 34.0 78	113 149 77	111 -33 77	120 21.3 78	102 -5.8 80	115 -8.8 77	110 40.0 80	118 23 78	122 48 78	132 3.43 77	100 0.23 77	109 1.16 77
H 240134 97429005 H24134	1 H 210014 HDH 190149			102 63	97 43	98 36	107 14	108 33	100 40			89 12	102 0.97 69	100 -0.09 38	91 11 14	97 13.0 43	98 0.2 36	98 50 31	95 19.1 21	88 44 14	85 -2 11	94 7.1 16	109 -10.7 36	103 -6.4 20	104 35.4 42	89 5 14	94 18 14	97 0.51 12	98 -0.07 11	106 0.87 11
H 240137 97456438 H24137	KVS 130164 H 220118			110 65	109 59	112 46	95 25	127 42	128 49	113 40	125 47	107 36	111 0.19 71	95 0.13 43	104 23 25	109 19.5 59	112 4.3 46	116 93 43	114 34.1 48	114 156 42	123 -47 34	119 20.6 46	126 -24.8 49	117 -9.2 27	110 39.8 50	104 14 48	101 25 46	91 0.06 38	76 -2.94 35	101 0.54 35
H 240142 97480347 H24142	HDH 160087 HDH 190026			86 67	114 66	109 47	94 21	85 41	104 52			111 12	61 4.43 72	108 -0.39 49	104 23 21	114 22.1 66	109 3.6 47	118 99 45	110 30.9 30	114 154 16	106 -27 13	110 15.7 17	76 15.1 47	93 -4.4 28	106 37.4 48	118 23 16	114 39 15	112 1.72 12	98 -0.03 12	97 0.15 11
H 240145 97512891 H24145	 H 210034 HDH 170097			93 79	118 83	101 78	89 75	102 77	114 75	119 75	114 75	118 75	90 1.99 79	121 -0.89 77	112 30 75	118 24.3 83	101 0.9 78	112 83 79	114 34.2 76	119 175 75	111 -33 75	109 15.0 75	100 -4.2 77	101 -6.0 75	103 35.0 78	122 25 75	121 47 75	116 2.07 75	89 -1.27 75	102 0.56 75

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Index EBV Acc	% Inbreeding	Sire ID Dam ID		Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																														
H 240147 97519375 H24147		KVS 130164 H 210033		117 83	116 84	109 80	104 78	131 79	141 77	116 78	138 77	109 78	113 -0.02 84	107 -0.35 78	94 13 78	116 23.4 84	109 3.5 80	125 114 81	122 40.1 78	116 163 78	115 -38 77	118 20.4 79	131 -28.4 79	115 -8.9 77	119 45.7 80	114 20 79	108 33 79	93 0.20 78	84 -1.83 77	94 -0.04 77
H 240153 97530828 H24153		H 210034 HDH 120194		95 82	119 82	115 77	75 74	125 76	130 74	112 73	126 74	120 73	93 1.68 83	108 -0.39 76	129 47 74	119 25.1 82	115 5.3 77	117 97 78	123 41.1 74	117 166 73	114 -37 73	117 19.6 74	130 -27.5 76	105 -6.8 74	118 44.9 77	120 24 73	122 49 73	123 2.69 73	102 0.42 73	109 1.17 73
H 240156 97567135 H24156		H 210034 HDH 190087		82 82	113 83	113 78	83 75	134 77	121 75	111 74	119 75	114 74	82 2.64 83	96 0.09 76	118 37 75	113 21.6 83	113 4.7 78	115 90 79	116 35.4 76	114 154 75	110 -32 74	111 16.3 75	122 -21.1 77	126 -11.1 75	125 50.1 78	115 21 75	117 43 75	112 1.75 74	105 0.78 74	112 1.40 74
H 240158 97624928 H24158		H 210034 HDH 190096		86 64	118 68	105 44	91 13	109 33	116 50			113 12	83 2.57 71	107 -0.35 38	109 28 13	118 24.4 68	105 2.3 44	117 94 42	117 36.6 24	110 139 14	106 -27 6	115 18.5 22	106 -8.3 37	104 -6.6 21	111 40.6 42	116 22 14	115 40 14	118 2.24 12	98 -0.11 11	103 0.64 11
H 240161 97624951 H24161	4	H 210020 HDH 170021		81 64	113 66	103 44	99 14	103 36	107 50			105 9	54 5.08 69	93 0.21 43	100 19 14	113 22.0 66	103 1.5 44	114 89 41	110 31.2 20	109 134 11	105 -26 8	104 12.3 12	104 -6.8 39	100 -5.7 24	103 34.9 44	107 17 12	108 33 11	102 0.92 9	98 -0.01 9	97 0.17 8
H 240166 97687545 H24166		OLG 200013 H 200198		93 65	101 57	89 46	95 24	92 38	87 48	92 21	84 43	91 18	95 1.54 70	96 0.09 43	105 24 24	101 15.1 57	89 -2.5 46	90 29 42	96 20.1 28	96 76 22	92 -11 18	98 9.2 25	88 6.1 41	96 -4.9 26	102 34.5 46	99 11 25	99 24 24	97 0.53 19	95 -0.43 18	100 0.39 17
H 240175 97785612 H24175	2	OLG 200013 HDH 190105		122 65	92 52	96 44	107 18	108 34	103 45	86 20	97 40	94 18	123 -0.90 71	89 0.35 43	92 11 18	92 10.4 52	96 -0.5 44	91 33 38	93 17.8 26	90 54 22	82 1 17	99 9.9 24	107 -9.3 34	104 -6.5 22	108 38.4 45	98 11 24	101 26 24	100 0.79 19	107 1.06 17	122 2.22 17
H 240179 97799431 H24179	2	OLG 200013 HDH 180142		86 66	119 69	99 47	94 19	97 39	110 53	107 22	108 47	112 20	89 2.06 72	96 0.09 43	105 24 19	119 25.0 69	99 0.5 47	114 89 45	118 37.0 27	110 140 23	105 -26 18	107 14.2 26	97 -1.5 42	100 -5.7 27	97 31.2 48	117 22 26	120 46 25	113 1.82 20	97 -0.15 19	107 1.02 18
H 240199 98036833 H24199		SP 190088 HDH 180079		88 65	114 54	108 45	93 16	105 35	113 46			104 20	88 2.15 71	106 -0.30 40	106 25 16	114 22.6 54	108 3.1 45	117 95 38	113 33.0 25	100 95 21	93 -12 15	113 17.2 23	121 -20.7 39	88 -3.3 22	96 30.4 45	96 10 23	102 27 23	104 1.13 20	112 1.78 19	107 1.00 18
H 240207 98259484 H24207	1	RD 200049 HDH 190040		95 55	114 55	90 45	87 20	100 36	106 45			112 14	97 1.38 59	97 0.03 39	115 33 20	114 22.5 55	90 -2.2 45	100 53 40	110 31.2 24	115 160 19	107 -28 12	109 15.2 23	97 -1.1 40	104 -6.6 25	101 33.8 44	114 21 20	115 41 19	117 2.18 15	96 -0.29 14	103 0.63 13
H 240209 98005747 H24209	1	JT 150001 H 220070		115 66	100 53	108 46	93 22	98 36	106 46	100 21	103 41	104 18	112 0.04 70	133 -1.34 48	106 25 22	100 14.6 53	108 3.2 46	104 64 40	98 21.7 41	102 102 20	104 -25 19	103 12.2 23	100 -3.9 41	100 -5.8 22	95 29.8 46	108 17 23	104 28 22	96 0.47 19	108 1.22 17	119 1.95 17
H 240211 98036858 H24211	1	JH 190072 H 220065		86 65	112 58	79 43	94 24	107 39	99 48	106 32	98 45	100 37	71 3.61 71	109 -0.42 42	107 26 24	112 21.4 58	79 -5.6 43	91 34 42	109 29.9 42	106 121 37	101 -21 23	93 6.6 42	109 -10.7 46	104 -6.5 25	101 33.8 47	91 6 42	100 24 41	90 -0.02 38	89 -1.16 36	77 -1.43 35

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ID Number Name																													
H 240224 98114200 H24224	3	H 210005 HDH 150196	90 46	93 65	107 45	106 12	98 35	90 46			89 6	94 1.64 47	93 0.20 40	91 11 12	93 10.9 65	107 2.9 45	102 60 41	88 14.0 20	92 62 11	88 -6 7	90 5.0 11	104 -7.1 38	88 -3.4 23	106 37.0 44	95 9 11	95 19 10	90 -0.02 7	101 0.33 6	92 -0.19 6
H 250003 98672462 H25003	1	JH 190072 H 220004	89 65	107 54	91 43	100 22	99 38	97 46	108 30	97 43	101 36	77 3.08 70	120 -0.83 43	99 19 22	107 18.7 54	91 -1.9 43	99 53 40	107 28.6 37	107 127 36	104 -24 20	93 6.7 41	102 -5.1 43	92 -4.2 23	105 36.1 47	94 8 41	102 27 39	95 0.36 37	84 -1.80 34	79 -1.28 33
H 250005 98296478 H25005		OLG 200013 H 220090	108 64	99 56	97 41	98 20	97 36	98 46	96 23	95 41	98 20	107 0.51 70	102 -0.13 39	101 20 20	99 14.1 56	97 -0.3 41	95 43 39	98 21.4 32	100 96 24	95 -14 20	99 9.7 27	94 0.9 36	103 -6.5 26	97 30.7 46	105 15 27	104 29 26	95 0.36 21	107 1.04 20	106 0.93 19
H 250011 98699960 H25011		H 200016 HDH 170074	111 66	106 71	83 51	95 20	97 39	101 54			102 17	106 0.62 71	122 -0.91 44	106 25 20	106 17.8 71	83 -4.3 51	89 28 47	103 25.7 28	102 104 21	106 -27 10	103 12.1 24	98 -2.6 47	89 -3.4 23	112 40.9 48	100 12 22	106 31 21	110 1.56 18	91 -0.97 16	106 0.89 15
H 250012 98778731 H25012	1	DG 060046 H 220123	82 67	110 68	91 55	100 33	113 50	104 56	107 44	103 54	100 39	78 2.97 71	97 0.04 51	99 18 33	110 20.3 68	91 -1.9 55	102 60 52	106 27.9 48	103 106 44	98 -17 42	123 22.6 46	108 -10.5 55	110 -7.8 39	110 39.7 56	104 14 46	108 33 46	81 -0.75 40	85 -1.76 38	90 -0.36 37
H 250016 98680143 H25016		H 200016 H 220011	125 65	99 68	96 44	94 22	102 36	106 51	98 22	103 45	103 22	121 -0.73 71	132 -1.29 42	106 25 22	99 14.0 68	96 -0.4 44	93 38 45	97 21.2 36	101 99 23	107 -28 19	106 13.6 27	92 2.2 45	103 -6.4 19	113 41.8 44	98 11 27	103 28 26	102 0.94 23	96 -0.26 21	116 1.74 20
H 250019 98680176 H25019		DG 060046 HDH 160125	93 58	101 69	102 60	87 37	129 50	108 56	100 44	104 54	94 39	98 1.27 59	86 0.46 56	113 32 37	101 15.2 69	102 1.4 60	98 48 55	100 23.2 44	96 80 44	88 -5 42	118 20.2 47	122 -21.1 55	128 -11.6 40	108 38.3 56	103 14 47	102 27 46	79 -0.94 40	86 -1.61 38	81 -1.13 37
H 250020 98680184 H25020		H 200016 HDH 140075	113 55	110 68	95 45	89 17	114 38	117 49			109 16	110 0.27 58	130 -1.21 41	112 31 17	110 20.2 68	95 -0.8 45	100 55 43	104 25.9 22	103 110 18	101 -21 7	106 13.5 21	111 -12.9 45	108 -7.4 22	111 40.3 48	109 17 20	114 40 19	113 1.82 17	102 0.40 15	107 1.00 14
H 250024 98851215 H25024	6	H 200016 H 220104	99 65	119 68	90 44	88 19	108 36	116 51	112 25	115 46	117 26	96 1.44 71	126 -1.09 40	113 32 19	119 25.3 68	90 -2.3 44	104 65 44	120 38.8 30	113 153 26	114 -36 21	104 12.8 29	96 -0.5 45	112 -8.3 18	114 42.2 44	108 17 29	120 46 28	115 2.00 27	96 -0.30 25	110 1.25 24
H 250025 98851223 H25025	2	IGB 190013 H 210039	88 66	120 68	92 45	90 17	105 38	113 52	116 34	112 48	120 32	77 3.06 71	121 -0.88 46	111 30 17	120 25.8 68	92 -1.6 45	108 73 43	115 34.7 38	118 171 33	112 -34 32	119 20.8 37	91 3.1 45	116 -9.1 23	106 37.2 46	114 21 37	119 45 36	112 1.78 33	110 1.46 31	113 1.48 30
H 250037 98962590 H25037		IGB 190013 HDH 160138	110 67	97 68	85 48	97 14	114 36	99 52	92 34	95 48	100 32	112 0.08 72	92 0.26 49	103 22 14	97 13.1 68	85 -3.8 48	83 14 43	97 20.5 38	95 72 33	90 -8 32	108 14.6 37	117 -17.0 41	108 -7.4 20	102 34.5 48	89 6 37	96 20 36	96 0.47 33	120 2.75 30	123 2.31 30
H 250041 98962632 H25041		BR 180020 H 200171	121 65	98 68	99 47	105 18	110 38	111 52			94 12	114 -0.08 70	118 -0.76 46	94 13 18	98 13.8 68	99 0.4 47	99 53 44	97 20.5 30	97 80 16	99 -19 11	96 8.3 17	111 -12.4 39	106 -7.0 26	104 35.9 48	92 7 16	96 20 16	99 0.66 13	97 -0.20 12	100 0.46 12

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ID Number Name																													
H 250045 98962673 H25045	1	VV 180152 HDH 190122	87 66	116 66	100 44	85 16	95 34	105 50			119 18	81 2.73 72	110 -0.45 43	116 35 16	116 23.5 66	100 0.7 44	108 74 42	114 34.1 26	115 158 20	106 -27 14	116 18.8 21	86 7.0 32	102 -6.2 22	104 36.0 47	116 22 21	115 41 21	109 1.54 18	115 2.12 17	112 1.40 16
H 250047 98996176 H25047		SS 210095 HDH 140132	132 66	85 54	104 45	102 12	118 34	106 45	87 25	100 41	87 30	153 -3.42 72	141 -1.67 42	96 15 12	85 6.4 54	104 1.8 45	90 29 37	86 12.4 38	90 51 32	89 -6 13	101 10.9 38	122 -21.6 37	106 -7.1 22	106 37.2 44	88 5 37	92 16 36	95 0.33 32	94 -0.52 29	100 0.44 28
H 250048 98996184 H25048	3	SS 210095 JO 200142	99 64	104 68	116 46	86 19	110 32	112 51	107 31	109 47	104 36	95 1.55 71	120 -0.85 38	113 32 19	104 17.1 68	116 5.6 46	112 83 44	99 22.7 39	108 129 36	99 -18 21	118 20.0 42	118 -18.0 33	95 -4.7 19	109 39.1 44	98 11 43	109 34 41	114 1.88 37	83 -2.05 34	112 1.40 33
H 250049 98996192 H25049	4	VV 180152 HDH 160043	74 66	124 68	119 49	81 14	100 38	118 52			117 12	54 5.08 71	73 0.98 48	120 38 14	124 27.9 68	119 6.5 49	129 124 44	123 40.9 24	120 179 15	109 -31 11	119 21.0 17	85 8.0 39	111 -8.0 26	108 38.7 49	119 23 16	119 45 15	115 2.02 12	103 0.59 11	103 0.63 11
H 250052 98996226 H25052		SS 210095 H 210076	116 64	104 68	116 44	91 20	115 33	121 51	106 31	117 47	105 34	111 0.16 71	112 -0.53 38	108 27 20	104 16.7 68	116 5.4 44	113 85 44	105 26.8 38	107 126 35	108 -30 22	118 19.9 41	116 -16.3 36	107 -7.2 20	109 39.2 43	103 14 42	106 31 40	100 0.77 36	94 -0.53 32	112 1.40 32
H 250054 98996242 H25054	1	BR 180020 H 210094	82 66	100 68	99 47	103 21	105 37	93 52	99 21	91 46	94 18	78 2.99 71	95 0.14 44	95 15 21	100 14.7 68	99 0.4 47	100 55 45	99 22.0 33	101 98 21	108 -30 19	101 10.8 23	95 -0.1 40	115 -8.9 24	100 33.0 47	94 8 23	93 17 22	91 -0.01 19	96 -0.35 18	103 0.70 17
H 250055 98999725 H25055	2	RD 200049 H 210037	87 64	111 67	103 42	95 13	98 34	105 50			106 12	78 2.98 71	112 -0.54 38	104 23 13	111 20.9 67	103 1.6 42	111 81 41	109 30.2 22	112 144 15	108 -29 10	100 10.3 17	94 1.0 39	99 -5.7 21	106 36.9 43	108 17 17	108 33 16	105 1.22 13	96 -0.35 12	95 0.02 11
H 250056 98999733 H25056		RD 200049 HDH 120002	103 66	109 68	106 48	86 9	104 33	111 51			109 10	100 1.10 72	109 -0.43 44	115 33 9	109 19.6 68	106 2.7 48	108 73 42	108 29.0 23	106 121 16	100 -20 8	107 14.1 18	107 -9.5 35	97 -5.2 19	104 35.5 46	109 17 16	109 35 15	111 1.71 11	109 1.33 10	114 1.56 10
H 250059 99013708 H25059	1	RD 200049 HDH 180129	132 65	99 69	78 44	110 10	97 33	102 50			90 10	124 -0.94 71	120 -0.85 41	90 10 10	99 14.0 69	78 -5.9 44	83 12 41	96 20.0 20	94 69 17	94 -13 12	91 5.7 19	87 6.8 33	107 -7.3 21	103 35.1 44	84 3 19	87 11 19	94 0.24 11	101 0.35 10	98 0.24 10
H 250060 99013716 H25060		SS 210095 H 220177	123 64	104 57	119 39	91 21	118 31	128 46	103 31	123 43	102 34	118 -0.47 71	108 -0.36 35	108 26 21	104 17.1 57	119 6.6 39	116 94 39	105 26.9 41	105 118 35	106 -27 22	118 20.4 41	116 -16.4 36	113 -8.4 18	110 39.7 40	101 13 42	105 30 40	102 0.94 36	93 -0.74 32	113 1.46 31
H 250062 99013732 H25062		H 220038 H 220195	83 60	112 63	119 41	91 17	106 29	113 47	103 20	110 42	107 18	75 3.23 66	100 -0.08 35	107 26 17	112 21.2 63	119 6.4 41	123 110 40	111 31.4 34	105 117 20	106 -26 18	119 20.6 23	100 -3.4 31	104 -6.5 18	114 42.5 39	103 14 22	105 30 21	109 1.48 19	98 -0.01 17	118 1.88 16
H 250067 99026742 H25067	4	H 220038 H 220039	96 61	107 46	112 34	95 18	97 29	107 40	100 22	103 36	102 23	95 1.54 67	105 -0.25 36	103 23 18	107 18.4 46	112 4.4 34	114 89 33	104 25.9 36	102 106 23	102 -23 18	123 22.9 27	98 -2.3 32	95 -4.8 18	102 34.4 38	99 11 27	101 25 26	111 1.67 24	92 -0.81 22	104 0.75 21

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ID Number Name																													
H 250069 99033391 H25069		RD 200049 H 210123	110 64	100 51	87 34	110 13	96 32	98 42			90 13	105 0.71 71	116 -0.68 37	90 10 13	100 14.7 51	87 -3.3 34	92 35 33	97 20.8 20	95 74 16	94 -13 11	91 5.3 18	101 -4.6 37	93 -4.3 19	99 32.1 40	89 5 17	93 16 16	95 0.40 14	98 -0.01 12	95 0.04 12
H 250070 99033409 H25070	2	RD 200049 H 210073	94 64	113 56	94 37	92 14	104 34	108 45			103 20	96 1.50 71	98 0.01 38	109 27 14	113 22.0 56	94 -1.2 37	104 63 36	112 32.1 25	104 110 23	102 -22 13	106 13.4 25	106 -8.5 39	99 -5.5 21	105 36.5 42	98 11 25	100 25 24	106 1.30 21	102 0.40 20	97 0.18 19
H 250071 99042533 H25071	2	RD 200049 HDH 160056	111 65	106 53	88 45	104 15	96 35	105 45			96 12	109 0.30 71	133 -1.34 43	95 14 15	106 18.0 53	88 -2.8 45	97 48 38	98 21.7 17	100 93 15	97 -16 9	99 9.8 17	103 -6.1 40	88 -3.4 20	102 34.1 44	96 10 16	98 23 15	98 0.58 12	99 0.08 11	95 0.01 11
H 250072 99042541 H25072	1	H 220038 H 220185	97 63	108 50	112 36	88 17	98 32	108 42	105 23	106 38	110 23	94 1.62 69	113 -0.59 38	112 31 17	108 19.0 50	112 4.5 36	112 84 34	104 26.3 35	109 134 23	110 -32 20	116 19.3 27	91 3.5 38	97 -5.2 20	113 41.9 37	106 16 27	108 33 26	109 1.53 24	97 -0.24 22	112 1.44 21
H 250073 99042558 H25073		RD 200049 HDH 150186	89 65	114 67	112 46	84 7	99 27	111 49			116 10	92 1.84 71	97 0.06 41	116 35 7	114 22.5 67	112 4.4 46	116 93 40	107 28.8 13	112 146 12	97 -16 7	119 20.9 14	95 0.1 27	102 -6.2 14	103 35.0 41	120 24 14	117 43 13	121 2.48 11	109 1.34 10	107 0.99 9
H 250075 99042566 H25075	4	H 220038 H 220205	80 63	120 47	113 37	86 20	105 31	117 41	104 23	113 37	109 24	72 3.52 69	91 0.26 37	115 33 20	120 25.8 47	113 4.7 37	123 110 35	119 37.7 38	106 121 24	108 -29 19	124 23.4 28	105 -8.1 35	96 -5.0 19	111 40.6 40	102 13 28	106 31 27	113 1.81 25	96 -0.33 22	112 1.40 22
H 250079 99046716 H25079		KVS 210173 HDH 170161	75 47	110 65	107 42	96 15	120 30	109 45			108 19	71 3.61 50	74 0.93 37	103 22 15	110 19.9 65	107 2.9 42	113 86 41	117 36.1 24	111 143 22	103 -24 13	100 10.2 24	117 -17.3 31	116 -9.0 18	107 37.9 42	109 18 25	110 36 24	111 1.65 20	95 -0.44 18	117 1.80 18
H 250084 99065534 H25084	2	RD 200049 HDH 160047	86 66	108 68	101 48	102 14	97 36	100 52			100 12	88 2.17 72	100 -0.07 44	96 15 14	108 18.9 68	101 0.9 48	109 76 43	104 26.5 20	104 114 15	98 -18 9	102 11.3 16	96 -0.8 39	92 -4.2 22	108 38.4 46	100 12 16	101 26 15	104 1.10 13	98 -0.02 12	95 0.06 11
H 250087 99065567 H25087	1	H 220038 H 220122	85 63	104 64	116 42	99 19	98 33	102 49	97 20	99 43	98 18	68 3.90 69	104 -0.22 38	99 18 19	104 17.1 64	116 5.7 42	118 97 42	101 23.7 38	100 94 19	102 -22 18	108 14.8 22	94 1.1 39	95 -4.7 19	113 41.8 40	98 11 22	96 21 21	97 0.53 19	97 -0.23 17	108 1.06 17
H 250088 99065575 H25088		H 200016 H 220001	109 64	109 54	91 41	95 23	107 36	111 46			104 25	106 0.63 70	126 -1.09 42	105 24 23	109 19.7 54	91 -2.0 41	99 52 39	106 27.7 28	101 98 25	102 -22 9	102 11.2 28	96 -0.7 44	110 -7.8 21	112 40.8 44	101 13 29	108 33 28	105 1.20 26	105 0.80 24	101 0.50 23
H 250089 99065583 H25089	1	H 220034 H 220167	116 58	101 42	110 31	90 18	108 28	113 37	98 22	109 34	106 22	117 -0.37 64	91 0.27 32	110 28 18	101 15.4 42	110 3.9 31	106 68 30	99 22.4 36	102 103 23	100 -20 18	121 22.0 27	106 -8.4 31	108 -7.3 17	105 36.1 35	102 13 27	104 28 25	111 1.66 23	106 0.92 21	128 2.69 20
H 250091 99079329 H25091		RD 200049 H 200059	95 65	112 56	100 42	88 14	88 32	102 45	108 20	101 40	112 18	97 1.40 71	98 0.01 39	113 32 14	112 21.4 56	100 0.7 42	106 69 37	109 30.3 18	112 148 20	106 -28 19	105 13.2 23	84 9.2 38	90 -3.7 18	106 37.2 41	110 18 23	114 39 22	118 2.28 19	102 0.49 17	106 0.93 16

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ID Number Name																													
H 250092 99079337 H25092	1	RD 200049 HDH 170134	90 66	116 58	106 46	83 14	104 36	112 48			108 12	91 1.91 72	102 -0.14 44	119 38 14	116 23.2 58	106 2.4 46	111 81 39	112 32.1 22	110 139 17	104 -24 9	107 14.2 19	100 -4.1 41	106 -7.0 23	102 34.6 45	112 19 17	112 37 16	116 2.10 12	99 0.07 11	101 0.54 11
H 250097 99096281 H25097	1	H 220038 H 220210	88 60	103 45	122 36	95 18	100 27	104 39	97 21	101 35	101 23	90 2.01 66	100 -0.06 35	103 22 18	103 16.2 45	122 7.5 36	119 101 33	99 22.6 34	99 93 20	95 -14 19	112 16.8 27	99 -3.3 28	98 -5.5 16	103 34.9 37	102 13 24	102 26 23	105 1.16 24	99 0.07 22	112 1.41 21
H 250099 99500456 H25099	1	H 220038 H 220171	143 61	82 47	109 32	98 16	98 25	100 39			96 17	148 -2.98 68	126 -1.09 33	100 20 16	82 4.9 47	109 3.4 32	90 30 32	77 5.7 36	97 84 18	94 -13 18	112 16.8 21	95 0.0 28	100 -5.7 15	104 35.5 33	98 11 21	96 20 20	101 0.85 18	96 -0.31 16	104 0.72 16
H 250106 99119638 H25106	4	H 220038 H 220194	81 63	117 50	119 37	92 20	101 32	115 43	105 22	112 39	110 24	75 3.30 69	92 0.23 38	107 26 20	117 23.9 50	119 6.5 37	128 122 36	115 34.6 38	107 124 24	107 -28 18	129 26.2 27	96 -0.7 39	101 -5.9 19	110 39.7 38	104 14 28	107 32 27	117 2.14 25	96 -0.28 22	114 1.56 22
H 250110 99120180 H25110		H 210026 HDH 190130	86 52	108 51	103 43	103 18	93 33	99 42			103 14	78 2.98 55	108 -0.38 41	95 14 18	108 18.8 51	103 1.7 43	111 81 37	104 26.4 26	103 107 16	99 -19 8	109 15.3 18	85 8.0 39	92 -4.1 19	116 43.8 41	104 15 17	104 29 17	107 1.38 15	99 0.05 14	105 0.82 14
H 250111 99120198 H25111		KVS 210173 HDH 170066	111 63	111 66	86 42	99 14	97 34	107 49	108 20	105 43	107 23	108 0.41 69	105 -0.27 38	101 20 14	111 20.5 66	86 -3.6 42	97 48 41	112 32.7 26	110 139 24	104 -25 12	110 15.6 28	109 -11.1 37	78 -1.3 22	107 37.8 44	103 14 28	107 32 27	118 2.21 24	84 -1.84 22	100 0.46 22
H 250113 99120214 H25113	1	H 220038 H 220154	87 51	106 64	108 42	99 24	104 33	104 46	99 20	101 41	100 18	77 3.07 55	111 -0.51 36	99 18 24	106 17.7 64	108 3.3 42	112 84 43	102 25.0 38	102 104 19	103 -23 19	108 14.9 22	97 -1.8 39	100 -5.7 19	116 43.6 40	98 11 22	98 22 21	98 0.60 19	97 -0.20 17	106 0.95 17
H 250114 99120222 H25114	4	H 220038 H 220037	102 62	105 46	111 34	95 18	97 29	107 40	100 22	104 36	102 23	101 1.05 68	105 -0.28 38	103 23 18	105 17.3 46	111 4.2 34	112 83 33	102 24.4 36	102 106 23	102 -23 18	123 22.9 27	98 -2.3 32	95 -4.8 18	102 34.7 38	99 11 27	101 25 26	111 1.67 24	92 -0.81 22	104 0.75 21
H 250115 99180671 H25115	1	KVS 210173 HDH 180090	95 64	121 67	103 45	91 15	116 34	125 50			117 20	94 1.60 70	104 -0.24 39	108 27 15	121 26.1 67	103 1.5 45	117 97 42	123 40.6 24	119 177 22	112 -34 13	108 14.7 24	114 -15.3 38	110 -7.8 23	110 39.5 42	117 22 24	120 47 23	124 2.72 20	82 -2.15 19	100 0.45 18
H 250116 99180689 H25116	4	H 210026 H 220028	98 62	103 50	103 40	100 14	95 33	100 43			102 18	97 1.33 68	102 -0.16 39	98 17 14	103 16.5 50	103 1.7 40	106 69 35	102 24.9 30	103 107 19	98 -18 8	115 18.5 21	98 -2.4 39	87 -3.1 20	108 38.5 39	100 12 21	103 27 20	110 1.59 19	96 -0.27 17	97 0.16 17
H 250117 99180697 H25117		OLG 200013 HDH 190087	79 55	104 69	104 48	94 18	109 38	98 50	106 20	97 44	106 18	84 2.51 59	87 0.44 40	105 24 18	104 16.7 69	104 1.9 48	104 65 45	103 25.2 32	108 130 22	98 -17 17	106 13.5 25	97 -1.5 41	116 -9.1 24	108 38.1 48	120 24 25	117 43 24	111 1.64 19	98 -0.05 17	106 0.93 16
H 250118 99180705 H25118	7	H 210026 HDH 140014	122 65	72 66	105 50	134 15	109 37	90 51			69 12	117 -0.34 70	110 -0.47 46	72 -8 15	72 -0.6 66	105 2.3 50	86 21 44	74 3.0 26	78 3 12	77 8 9	80 -0.5 14	116 -16.7 41	90 -3.8 25	115 42.9 46	72 -5 14	72 -6 13	76 -1.23 12	94 -0.62 11	86 -0.72 11

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Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																														
H 250125 99251456 H25125		H 200016 H 230044		95 54	117 67	103 44	86 17	115 33	120 48			113 18	93 1.72 59	109 -0.41 36	115 33 17	117 24.0 67	103 1.8 44	112 84 43	113 33.0 21	106 122 19	101 -22 7	112 17.0 22	103 -6.3 43	117 -9.2 15	114 42.4 42	113 20 22	117 43 21	116 2.13 19	106 1.01 17	110 1.27 17
H 250126 99251464 H25126		H 200016 H 220096		106 65	98 68	101 45	96 22	111 37	104 52	96 22	100 46	99 22	102 0.94 71	113 -0.57 42	103 22 22	98 13.7 68	101 1.0 45	97 48 45	98 21.5 31	99 91 23	106 -27 18	103 12.0 26	110 -11.5 46	105 -6.7 20	110 39.9 45	96 10 27	101 25 25	99 0.67 23	94 -0.60 21	110 1.20 20
H 250130 99277535 H25130	2	OLG 200013 H 200004		109 63	100 67	105 46	102 18	103 35	106 50	94 20	102 44	99 18	108 0.43 69	102 -0.13 40	96 16 18	100 14.7 67	105 2.3 46	105 67 44	100 23.0 27	98 85 22	89 -7 17	103 12.2 24	99 -2.7 35	104 -6.7 25	104 36.0 46	107 16 24	109 34 24	107 1.36 19	99 0.02 17	109 1.18 17
H 250132 99277550 H25132		OLG 200013 HDH 180078		105 67	104 69	101 49	100 18	91 38	101 53	102 22	99 47	103 22	104 0.77 73	104 -0.22 44	99 18 18	104 16.7 69	101 1.2 49	104 65 45	101 24.3 30	102 105 25	92 -10 17	116 19.3 28	89 5.3 41	88 -3.3 25	111 40.3 48	108 17 28	111 36 27	112 1.79 23	97 -0.16 21	106 0.91 21
H 250133 99277568 H25133		OLG 200013 H 200075		96 65	108 68	96 49	84 29	99 38	101 53	103 22	99 47	106 19	94 1.59 71	108 -0.38 43	118 37 29	108 18.9 68	96 -0.4 49	97 48 49	102 25.1 29	107 126 23	102 -22 19	104 12.6 25	95 0.3 41	101 -6.0 26	106 36.8 47	111 19 25	112 38 25	105 1.15 20	101 0.36 18	104 0.72 18
H 250136 99316515 H25136		OLG 200013 HDH 120003		116 64	93 55	99 50	93 22	94 40	94 48	99 28	92 44	101 24	118 -0.45 70	88 0.39 41	106 25 22	93 10.9 55	99 0.5 50	90 31 42	95 19.5 30	102 103 29	94 -13 26	98 9.2 31	93 1.4 42	99 -5.5 29	95 29.4 49	114 20 32	107 32 31	94 0.27 25	112 1.70 24	103 0.66 23
H 250137 99316523 H25137		H 210026 HDH 120215		102 64	96 65	127 48	95 11	110 29	110 49			103 10	98 1.27 69	114 -0.61 43	102 21 11	96 12.4 65	127 9.0 48	117 96 41	92 16.6 18	100 93 10	85 -2 6	113 17.5 11	102 -5.6 29	110 -7.9 16	112 41.0 42	108 17 11	105 30 10	109 1.49 10	109 1.41 9	108 1.11 9
H 250138 99329195 H25138		H 210026 HDH 170158		89 65	119 67	109 48	93 20	103 36	118 51			117 12	74 3.33 70	121 -0.87 45	106 25 20	119 25.1 67	109 3.4 48	122 108 45	116 35.3 28	117 168 16	107 -28 12	117 19.8 18	90 3.9 40	108 -7.4 23	113 42.0 44	121 25 18	120 46 18	119 2.33 12	100 0.18 11	106 0.89 11
H 250139 99444879 H25139		H 210026 HDH 170153		115 65	77 67	100 46	117 15	112 36	89 51			79 12	111 0.20 70	109 -0.40 44	83 3 15	77 2.2 67	100 0.8 46	83 14 43	82 9.0 28	85 30 15	84 -1 9	82 0.5 17	117 -17.0 39	100 -5.7 24	110 39.5 45	84 2 16	83 6 16	83 -0.59 12	96 -0.26 11	97 0.18 11
H 250140 99398943 H25140	2	SP 210076 HDH 170097		85 64	105 70	109 49	93 18	113 37	106 52	113 22	105 46	111 22	85 2.37 71	105 -0.27 38	106 25 18	105 17.5 70	109 3.4 49	109 76 46	111 31.9 31	115 160 24	110 -32 18	96 8.3 27	112 -13.5 40	110 -7.8 24	104 35.6 46	115 21 27	109 34 26	92 0.09 23	114 1.97 21	104 0.74 20
H 250145 99398984 H25145	1	KVS 180387 H 230081		95 59	111 63	100 35	97 18	105 29	110 46			111 12	94 1.62 67	106 -0.31 28	102 21 18	111 20.8 63	100 0.8 35	109 77 39	111 31.4 24	114 154 17	112 -33 10	101 10.8 20	103 -6.1 34	102 -6.2 16	106 37.4 38	107 16 18	115 40 18	115 2.04 13	93 -0.65 12	104 0.77 12
H 250146 99412611 H25146		H 210026 HDH 120143		87 50	106 65	116 48	91 15	113 35	110 47			108 10	88 2.11 52	100 -0.07 44	107 26 15	106 17.8 65	116 5.6 48	115 91 43	102 24.4 26	107 125 14	96 -16 9	113 17.2 16	103 -6.5 39	115 -8.9 23	111 40.5 44	111 19 14	111 37 14	113 1.82 10	105 0.86 9	105 0.84 9

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Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass		
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
H 250147 99412629 H25147	1	H 210026 H 210052	83 49	115 64	108 44	90 24	105 34	111 46			117 22	76 3.14 51	98 0.01 39	109 28 24	115 22.9 64	108 3.1 44	116 94 44	112 32.1 28	111 143 22	102 -22 9	117 19.4 24	93 1.4 39	106 -7.0 21	117 44.6 42	116 22 24	118 44 24	113 1.83 22	119 2.62 21	116 1.72 20
H 250148 99412637 H25148	1	H 210005 HDH 170139	105 63	98 67	112 47	101 15	105 36	106 50			99 12	105 0.67 68	99 -0.02 43	96 15 15	98 13.8 67	112 4.3 47	109 77 43	96 20.2 25	103 107 16	102 -22 9	96 8.0 18	105 -7.6 40	101 -6.1 23	106 37.3 46	101 12 15	104 29 15	96 0.41 12	101 0.37 11	98 0.25 11
H 250149 99412645 H25149		KVS 180387 H 230099	91 60	114 51	88 34	95 13	110 31	108 41			106 11	89 2.10 67	112 -0.54 31	105 24 13	114 22.1 51	88 -2.8 34	101 56 33	115 34.4 25	110 139 16	110 -32 8	97 8.8 18	109 -11.3 36	104 -6.5 18	108 38.1 38	101 13 18	108 33 17	110 1.56 12	93 -0.66 10	98 0.26 10
H 250151 99441461 H25151		SP 210076 HDH 170004	77 65	99 68	101 47	104 17	114 36	94 51	98 20	92 45	95 20	83 2.57 71	83 0.60 40	94 14 17	99 13.9 68	101 0.9 47	101 56 44	105 26.9 28	103 107 22	102 -22 15	90 5.0 24	108 -10.3 39	111 -8.1 22	112 41.4 46	94 8 24	93 17 23	84 -0.52 21	110 1.53 19	99 0.31 18
H 250153 99465221 H25153	1	H 210005 HDH 180249	79 63	100 67	108 46	106 13	99 34	92 50			94 8	56 4.93 69	87 0.42 41	92 12 13	100 14.4 67	108 3.1 46	109 75 42	98 21.3 19	99 90 11	93 -12 9	94 7.3 11	99 -2.9 37	93 -4.3 21	109 38.8 43	101 12 11	98 22 11	93 0.17 8	103 0.56 8	95 0.02 7
H 250157 99493546 H25157	9	H 220036 H 220053	109 62	114 63	89 39	93 21	86 34	106 48			108 20	105 0.69 68	112 -0.53 36	108 27 21	114 22.4 63	89 -2.7 39	100 55 41	106 27.5 36	109 132 21	105 -25 10	127 25.0 24	87 6.2 39	85 -2.8 21	102 34.3 42	100 12 24	107 33 23	123 2.62 21	90 -1.13 20	95 0.04 19
H 250158 99493553 H25158	1	H 210005 H 200014	98 60	110 64	99 46	89 14	113 33	111 48			109 8	95 1.57 65	114 -0.60 38	112 31 14	110 19.9 64	99 0.5 46	103 63 41	106 27.6 26	109 134 14	106 -27 8	103 11.8 15	111 -12.7 34	106 -7.1 21	110 39.6 44	114 21 13	113 38 12	110 1.61 8	102 0.49 8	106 0.94 8
H 250161 99587644 H25161		SP 210076 H 230112	86 62	125 66	105 41	89 23	120 32	129 49	128 23	129 44	128 26	81 2.73 70	107 -0.34 30	112 30 23	125 28.7 66	105 2.3 41	123 109 43	127 43.7 30	129 219 27	118 -41 17	116 18.9 30	117 -17.5 38	114 -8.6 18	111 40.1 40	123 26 30	127 53 29	113 1.80 27	105 0.79 25	96 0.12 24
H 250163 99535866 H25163		SP 210076 HDH 150144	105 63	102 52	114 45	89 13	114 25	113 43			112 19	106 0.62 70	95 0.11 37	110 29 13	102 16.0 52	114 4.9 45	109 77 37	104 25.9 24	110 136 20	97 -17 13	111 16.1 22	112 -13.2 24	112 -8.3 13	103 35.1 39	115 21 22	110 35 21	102 0.92 20	123 3.15 18	112 1.42 17
H 250164 99535874 H25164		SP 210076 H 210093	123 63	110 56	123 41	78 20	120 32	134 45	121 26	133 41	126 24	115 -0.22 70	119 -0.80 35	123 41 20	110 20.4 56	123 7.8 41	119 100 39	115 34.5 32	125 201 26	123 -47 22	120 21.3 29	118 -17.8 38	116 -9.2 18	106 37.1 41	124 27 29	120 47 28	107 1.33 25	116 2.32 23	122 2.25 22
H 250166 99595464 H25166		SP 210076 HDH 160173	113 64	90 69	95 50	101 17	124 31	103 51			94 20	113 0.03 71	97 0.05 38	98 18 17	90 9.5 69	95 -0.7 50	87 23 45	97 20.5 27	94 68 22	90 -9 14	91 5.3 25	127 -25.6 32	110 -7.8 18	112 41.2 44	92 7 24	90 13 23	85 -0.50 20	123 3.21 19	121 2.11 18
H 250169 99634685 H25169		SP 210076 HDH 120098	77 65	106 69	114 51	90 15	113 36	105 52	111 22	104 46	111 20	80 2.84 71	83 0.60 41	108 27 15	106 18.1 69	114 5.0 51	113 87 45	111 31.4 30	114 156 25	108 -29 16	110 15.8 29	115 -15.9 39	102 -6.3 24	109 39.4 46	111 19 25	109 34 24	101 0.88 21	118 2.45 19	111 1.36 19

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ID Number Name																														
H 250170 99666497 H25170		SP 210076 H 200026	86 64	118 67	114 48	86 26	116 36	123 52	122 24	122 46	126 27	86 2.30 71	106 -0.29 38	113 32 26	118 24.6 67	114 5.1 48	123 109 47	122 39.8 32	124 198 28	118 -41 16	115 18.4 31	107 -9.5 40	113 -8.4 24	116 44.0 44	125 27 31	124 50 30	107 1.34 28	127 3.61 26	112 1.37 25	
H 250178 99773905 H25178	1	OLG 200013 HDH 120133	93 66	100 56	97 49	106 19	102 40	97 48	97 24	94 43	94 18	97 1.38 71	91 0.26 44	92 12 19	100 14.9 56	97 -0.3 49	100 54 41	102 24.3 32	102 102 26	98 -17 19	97 8.8 28	95 -0.1 43	112 -8.2 28	98 31.4 49	102 13 28	103 27 27	101 0.87 19	92 -0.87 17	101 0.53 16	
H 250179 99781262 H25179	1	SP 210076 H 230062	84 62	123 67	106 40	87 23	106 31	119 49	122 20	119 43	125 22	83 2.57 70	103 -0.20 30	113 32 23	123 27.0 67	106 2.4 40	120 102 43	123 41.0 28	124 198 23	120 -43 15	115 18.3 25	97 -1.2 37	108 -7.4 17	110 40.1 40	126 27 26	124 51 25	112 1.72 23	114 1.95 21	112 1.42 20	
H 250184 99822801 H25184		KVS 210173 HDH 170031	74 47	104 48	102 42	103 11	105 34	96 39			100 18	82 2.66 49	74 0.94 37	95 14 11	104 17.1 48	102 1.4 42	108 73 34	110 30.6 22	107 125 20	103 -24 12	96 8.0 23	115 -15.6 38	90 -3.7 22	104 36.0 41	101 13 23	102 27 22	103 0.98 19	88 -1.34 18	99 0.33 17	
H 250185 99822819 H25185		OLG 200013 H 210081	96 55	104 67	114 46	88 25	96 36	103 49	109 26	102 44	112 22	99 1.19 59	91 0.27 38	112 30 25	104 17.0 67	114 5.1 46	111 81 46	103 25.3 30	112 147 25	107 -28 24	119 20.9 29	83 10.1 41	107 -7.3 22	107 38.0 46	122 25 29	118 44 28	113 1.82 24	97 -0.19 21	111 1.29 21	
H 250188 99841009 H25188		OLG 200013 H 210077	103 55	100 67	104 47	87 26	100 38	100 50	105 26	98 45	106 23	106 0.60 59	91 0.27 39	113 32 26	100 14.8 67	104 1.9 47	98 50 47	103 25.2 30	109 132 26	108 -30 24	109 15.2 30	94 0.7 42	103 -6.4 25	106 36.8 47	114 21 30	113 38 29	106 1.23 24	93 -0.66 22	113 1.45 21	
H 250189 99944464 H25189		SP 210076 H 220031	115 53	106 56	114 39	87 20	113 33	121 43	113 26	119 40	114 24	108 0.39 58	119 -0.79 33	113 31 20	106 18.0 56	114 5.1 39	112 83 38	111 31.6 39	117 167 26	119 -42 22	109 15.4 29	109 -10.7 39	113 -8.4 19	107 37.5 41	113 20 29	109 34 28	97 0.56 25	110 1.47 23	111 1.31 22	
H 260001 99855439 H26001		SP 210076 H 230124	104 63	105 66	120 42	80 26	115 32	117 50	113 25	115 45	116 24	103 0.84 70	103 -0.17 33	122 40 26	105 17.6 66	120 6.7 42	112 83 45	109 30.0 30	116 165 25	114 -36 22	115 18.5 28	110 -11.6 38	112 -8.2 17	110 39.6 41	116 21 29	111 36 28	99 0.72 25	116 2.19 23	116 1.72 22	
H 260003 99935108 H26003		RD 200049 HDH 110029	103 64	99 67	100 46	101 11	92 34	96 50			98 10	101 1.03 70	107 -0.33 41	97 17 11	99 14.2 67	100 0.8 46	100 54 41	94 18.3 16	100 94 12	90 -8 7	104 12.4 14	88 5.9 37	96 -5.0 21	101 33.8 44	104 15 14	101 25 13	106 1.26 11	100 0.18 10	90 -0.35 9	
H 260005 99966707 H26005	1	RD 200049 HDH 130106	90 65	108 56	98 47	93 12	94 36	98 47			104 12	95 1.53 71	86 0.46 42	107 26 12	108 19.0 56	98 0.2 47	103 61 38	104 26.4 24	106 120 18	100 -20 10	104 12.4 21	92 2.8 39	101 -5.9 23	95 29.4 45	106 15 18	107 32 17	111 1.65 12	101 0.34 11	100 0.42 11	
H 260006 6020000979 H26006		RD 200049 HDH 190026	81 65	113 49	106 37	93 9	78 32	96 42			104 10	77 3.07 72	95 0.14 38	106 25 9	113 21.9 49	106 2.7 37	115 90 32	110 31.1 17	108 128 16	101 -21 10	108 15.0 17	76 15.4 36	82 -2.2 21	100 33.2 40	108 17 16	106 31 15	111 1.70 11	95 -0.42 10	94 -0.09 10	
H 260013 6020286859 H26013	2	SP 210076 H 220065	85 53	122 56	98 40	80 19	119 34	120 43	119 22	119 39	121 22	78 3.03 58	104 -0.24 34	123 42 19	122 26.8 56	98 0.2 40	110 77 38	122 40.3 34	122 191 24	116 -39 18	108 15.0 26	116 -16.7 39	115 -8.9 22	106 37.1 42	119 24 27	116 42 26	101 0.82 23	118 2.54 22	104 0.72 21	

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ID Number Name																														
H 260017 6020293608 H26017	2	RD 200049 H 200029		95 65	111 53	102 42	100 22	97 36	108 46			108 22	96 1.48 71	100 -0.05 41	98 18 22	111 20.7 53	102 1.2 42	112 83 39	108 29.4 25	107 125 23	104 -25 10	103 12.2 25	96 -0.3 40	94 -4.5 24	108 38.2 43	106 16 25	108 34 25	105 1.18 22	115 2.11 21	102 0.57 21
H 260018 6020327422 H26018	1	SP 210076 H 210165		81 63	118 56	111 39	91 16	99 32	112 45			115 20	66 4.07 70	92 0.24 34	109 27 16	118 24.7 56	111 4.1 39	122 108 37	120 38.5 28	115 161 21	107 -28 15	107 14.1 23	92 2.8 37	100 -5.7 19	110 39.9 40	116 22 23	112 37 22	100 0.76 21	119 2.63 19	107 1.02 18
H 260019 6020347545 H26019		SP 210076 HDH 170074		84 52	112 58	100 48	90 17	101 36	103 45	115 21	104 40	113 20	86 2.28 56	99 -0.02 37	110 29 17	112 21.3 58	100 0.9 48	107 72 41	115 34.6 31	117 170 24	116 -38 16	109 15.2 26	106 -8.6 40	89 -3.6 24	107 37.8 45	113 20 25	111 37 24	103 0.99 21	109 1.42 19	108 1.08 18
H 260020 6020347552 H26020		SP 210076 HDH 170137		101 53	101 56	99 45	100 16	119 33	108 44	97 20	104 39	101 21	106 0.63 56	84 0.55 39	99 18 16	101 15.4 56	99 0.5 45	100 56 39	106 27.8 30	103 107 23	100 -19 15	97 8.6 25	119 -19.1 32	116 -9.1 23	101 33.8 44	99 12 25	99 23 24	88 -0.20 22	118 2.49 20	106 0.95 19
H 260022 6020347578 H26022	2	SP 210076 H 220124		83 63	120 55	100 37	85 17	113 33	115 44	122 23	116 40	123 23	84 2.51 70	98 0.01 33	116 35 17	120 25.4 55	100 0.7 37	111 81 36	125 42.6 32	125 204 25	118 -41 19	107 14.3 27	111 -12.4 38	110 -7.8 21	107 37.5 40	121 25 27	118 44 26	102 0.96 24	112 1.70 22	103 0.66 21
H 260023 6020347586 H26023		SP 210076 H 220136		75 63	129 55	115 38	84 15	110 32	127 44	123 20	127 39	125 22	60 4.58 70	76 0.86 33	117 35 15	129 30.8 55	115 5.3 38	131 131 36	135 50.5 32	127 212 23	118 -42 16	113 17.6 25	102 -5.5 37	112 -8.2 19	108 38.7 40	122 25 26	122 48 25	110 1.58 23	108 1.19 21	106 0.89 20
H 260024 6020347594 H26024	1	SP 210076 H 210046		89 62	125 53	104 37	87 18	105 32	122 43	122 20	122 38	122 21	73 3.42 69	119 -0.82 36	113 32 18	125 28.2 53	104 2.0 37	120 104 36	126 42.9 30	124 196 22	118 -41 15	113 17.4 25	105 -8.1 34	98 -5.4 19	108 38.8 42	120 24 25	118 45 24	108 1.40 22	112 1.77 20	104 0.77 19
H 260026 6020347610 H26026	1	RD 200049 H 210205		103 64	112 56	94 38	91 12	90 32	105 45			110 12	99 1.20 71	122 -0.93 36	110 28 12	112 21.4 56	94 -1.0 38	103 61 35	107 28.3 18	112 147 15	105 -26 8	105 13.2 16	86 7.4 37	94 -4.5 19	105 36.3 40	111 19 16	111 37 15	111 1.66 12	100 0.22 11	101 0.49 10
H 260027 6020356546 H26027	1	SP 210076 H 200060		79 63	124 56	110 43	78 20	117 33	123 46	123 25	123 42	127 24	74 3.33 70	88 0.39 34	125 43 20	124 27.8 56	110 3.8 43	120 102 40	128 44.8 27	128 214 25	122 -45 22	108 15.0 29	113 -13.9 38	113 -8.5 21	110 40.1 41	126 27 29	125 52 28	114 1.91 25	114 2.02 23	107 1.01 22
H 260028 6020385990 H26028		SP 210076 H 220024		92 63	123 56	101 40	83 16	104 33	118 45	124 21	119 40	127 24	94 1.67 70	98 0.00 34	120 38 16	123 27.1 56	101 1.0 40	113 87 37	120 38.2 38	126 208 25	119 -42 14	125 24.2 28	101 -4.5 38	101 -6.1 21	108 38.1 41	123 26 29	124 51 27	117 2.20 26	113 1.84 23	108 1.10 22
H 260029 6020482599 H26029	1	SP 210076 H 220109		93 63	120 56	99 41	86 19	112 34	120 46	126 28	121 42	127 29	90 1.96 70	112 -0.54 35	116 34 19	120 25.8 56	99 0.3 41	111 81 39	123 41.2 34	129 217 30	125 -50 24	107 14.0 32	106 -8.4 39	112 -8.2 21	110 40.0 41	119 24 33	122 49 32	100 0.80 30	122 3.04 28	110 1.23 27
H 260030 6020482607 H26030	1	H 220134 H 220070		124 51	99 47	107 36	92 19	111 32	114 39	100 22	110 36	106 22	120 -0.60 55	106 -0.30 37	107 26 19	99 14.3 47	107 2.8 36	102 59 34	98 21.8 36	104 112 23	110 -32 18	104 12.8 27	107 -9.4 37	107 -7.3 21	109 39.1 38	105 15 27	104 29 26	98 0.61 23	110 1.52 21	116 1.76 21

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high										Value <80		Value >120		Breeding values with an accuracy < 5% are not printed															
Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass		
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
H 260033 6020482631 H26033	2	H 220134 HDH 180118	105 53	102 48	75 40	104 20	92 33	90 40			98 18	101 1.06 56	114 -0.61 41	96 16 20	102 15.9 48	75 -6.8 40	82 11 36	97 21.0 28	101 98 20	103 -23 9	91 5.7 22	92 2.8 37	88 -3.3 23	107 37.5 40	100 12 22	100 25 21	92 0.13 18	110 1.46 17	100 0.40 17
H 260038 6020542335 H26038	1	H 220134 H 210156	117 63	101 48	101 40	97 16	113 31	113 42			107 18	112 0.12 69	113 -0.57 39	102 21 16	101 15.2 48	101 1.0 40	101 56 35	96 20.1 27	105 116 18	100 -20 9	101 11.2 20	104 -7.1 36	112 -8.3 20	113 41.6 37	110 18 20	108 33 20	102 0.95 18	114 1.94 17	104 0.75 16
H 260039 6020542343 H26039		H 220134 HDH 160138	87 65	108 46	94 44	94 14	116 31	105 42			103 18	92 1.76 70	87 0.42 43	107 26 14	108 19.0 46	94 -1.2 44	99 53 35	105 27.2 28	97 84 20	93 -12 8	100 10.3 22	112 -13.2 32	111 -8.0 20	112 40.9 40	103 14 21	103 28 20	103 1.02 18	119 2.64 17	121 2.13 16
H 260040 6020551955 H26040		SP 210076 H 230106	85 62	120 56	101 37	85 16	110 31	116 44			122 21	82 2.67 70	105 -0.28 31	117 35 16	120 25.8 56	101 0.9 37	112 84 36	122 40.1 26	122 190 21	116 -38 14	112 17.0 24	103 -6.2 38	109 -7.7 17	111 40.7 38	122 25 24	121 48 23	109 1.50 22	113 1.87 20	107 0.96 19
H 260041 6020551963 H26041		H 230008 HDH 180060	137 64	100 42	90 42	94 16	108 33	113 40			106 12	128 -1.29 70	119 -0.81 41	107 25 16	100 14.7 42	90 -2.3 42	89 28 33	95 19.0 24	104 113 15	99 -18 9	103 12.1 19	98 -2.5 38	113 -8.4 22	109 38.9 40	114 21 17	114 40 16	113 1.88 13	98 -0.09 12	105 0.80 11
H 260042 6020551971 H26042		H 230008 H 210054	101 61	114 45	103 39	87 19	113 33	119 41			114 22	97 1.36 67	114 -0.62 39	114 32 19	114 22.1 45	103 1.7 39	109 77 34	110 30.8 24	105 116 24	103 -23 12	106 13.8 26	103 -6.5 38	114 -8.6 23	114 42.3 39	114 21 26	115 41 25	106 1.27 23	124 3.26 22	115 1.68 21
H 260043 6020551989 H26043	2	H 220134 HDH 160043	75 65	115 47	113 45	94 16	110 35	113 43			106 18	70 3.73 70	76 0.85 44	104 23 16	115 23.2 47	113 4.7 45	123 110 36	114 34.3 27	108 128 19	107 -29 9	102 11.3 21	96 -0.5 38	116 -9.2 24	113 42.0 42	108 17 21	108 33 20	103 1.01 18	106 0.99 17	102 0.57 17
H 260047 6020571300 H26047	1	H 230008 HDH 190122	139 63	96 41	94 39	94 15	108 29	112 39			108 16	134 -1.80 69	133 -1.35 37	106 25 15	96 12.6 41	94 -1.0 39	89 28 32	94 18.2 20	102 103 18	102 -22 12	103 11.8 20	103 -6.4 31	108 -7.4 17	108 38.6 39	109 18 20	109 34 19	106 1.25 17	111 1.61 16	115 1.61 15
H 260049 6020572282 H26049		H 230008 H 210076	117 62	106 46	104 40	90 18	110 32	117 41	104 20	113 37	109 18	112 0.07 68	124 -1.01 38	110 29 18	106 18.0 46	104 1.9 40	104 65 35	102 25.1 24	107 125 19	111 -33 19	106 13.7 22	104 -7.1 38	110 -7.9 20	108 38.8 38	111 19 23	110 35 22	105 1.21 19	98 0.00 17	112 1.39 17
H 260050 6020572290 H26050		H 230008 JO 200142	113 47	98 42	105 42	89 18	106 31	105 37	100 20	102 34	101 20	111 0.18 49	131 -1.28 38	111 30 18	98 13.5 42	105 2.1 42	97 48 34	90 15.2 25	103 107 22	98 -18 18	101 11.2 24	108 -10.3 35	97 -5.1 19	108 38.7 39	100 12 24	107 32 23	113 1.85 21	86 -1.58 19	110 1.27 19
H 260053 6020615800 H26053		SP 210076 H 210049	79 63	120 56	115 42	87 20	100 35	115 46	115 22	114 41	121 27	76 3.15 70	87 0.44 36	112 31 20	120 25.8 56	115 5.3 42	125 116 39	123 40.7 31	118 172 28	114 -36 15	109 15.2 30	99 -3.3 39	94 -4.6 23	110 39.9 42	117 22 31	118 44 30	101 0.83 28	128 3.77 26	111 1.29 25
H 260055 6020615818 H26055	2	SP 210076 H 230121	95 53	113 56	112 40	82 21	119 33	121 43	118 27	120 40	120 26	96 1.48 58	100 -0.06 31	120 38 21	113 22.0 56	112 4.3 40	114 88 39	118 37.4 32	121 184 27	121 -45 24	111 16.4 30	115 -15.5 39	115 -8.9 20	108 38.6 41	119 23 31	113 38 30	96 0.40 27	117 2.44 25	113 1.49 24

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																														
H 260057 6020615826 H26057		SP 210076 H 200076		100 65	111 54	92 42	90 19	114 35	111 46	113 20	110 41	111 21	96 1.45 71	115 -0.65 39	111 30 19	111 20.5 54	92 -1.7 42	99 51 38	109 29.9 31	117 166 22	112 -34 16	105 13.0 24	114 -15.3 39	109 -7.6 23	106 36.8 42	110 18 25	109 34 24	98 0.61 22	109 1.38 20	98 0.25 19
H 260064 6020663032 H26064		SP 210076 H 230197		93 60	113 52	103 37	90 16	117 28	117 42			116 20	94 1.60 68	100 -0.06 30	110 29 16	113 22.0 52	103 1.6 37	110 80 35	115 35.0 25	115 157 21	108 -29 14	110 15.8 24	111 -12.7 30	113 -8.5 15	111 40.7 38	116 22 24	115 41 23	105 1.22 21	116 2.27 19	110 1.25 19
H 260065 6020663040 H26065		SP 210076 HDH 160064		97 66	114 57	101 49	87 19	126 36	122 48	116 20	120 42	116 20	96 1.44 72	106 -0.28 43	114 33 19	114 22.4 57	101 1.0 49	108 73 42	118 37.1 29	120 181 22	116 -38 15	105 13.2 24	125 -23.9 40	114 -8.7 24	114 42.6 45	113 20 24	113 39 23	103 1.00 21	109 1.40 19	102 0.57 18
H 260075 6020715220 H26075	1	SP 210076 H 210031		83 53	116 56	112 42	87 17	110 34	115 44			120 20	79 2.91 58	99 -0.02 35	112 31 17	116 23.4 56	112 4.3 42	119 100 38	117 36.7 28	122 188 21	115 -38 15	111 16.1 23	104 -7.1 39	108 -7.4 22	112 41.1 41	122 25 24	118 44 23	104 1.11 21	115 2.09 19	106 0.94 18
H 260079 6020734528 H26079		H 230008 H 200059		101 50	111 44	102 39	90 14	102 30	111 37			108 17	97 1.36 53	115 -0.64 37	110 29 14	111 20.5 44	102 1.4 39	107 72 32	106 27.7 16	104 111 18	102 -22 18	101 10.9 21	96 -0.5 36	100 -5.7 17	113 42.0 37	108 17 21	113 38 20	117 2.15 18	104 0.76 16	113 1.49 15
H 260082 6020734551 H26082		H 230078 HDH 130056		106 48	111 48	93 45	90 11	111 29	113 39			107 12	104 0.81 50	108 -0.39 42	111 30 11	111 20.6 48	93 -1.5 45	100 54 35	105 27.1 19	98 84 13	91 -9 5	114 17.9 15	116 -16.4 32	99 -5.6 16	108 38.5 40	101 13 14	110 35 14	114 1.92 12	110 1.44 11	121 2.09 10
H 260084 6020778343 H26084		KVS 210173 HDH 120194		98 50	108 51	101 47	91 16	125 35	116 42			102 18	98 1.30 52	102 -0.15 40	109 28 16	108 18.9 51	101 0.9 47	104 63 38	115 34.5 25	108 129 22	107 -28 12	94 7.4 25	131 -28.2 38	109 -7.7 24	110 39.5 42	103 14 23	105 30 23	108 1.46 19	86 -1.66 17	100 0.39 17
H 260085 6020778350 H26085		KVS 210173 H 220146		97 48	108 50	94 34	102 14	115 31	110 39	108 20	108 35	103 23	97 1.38 52	101 -0.12 31	97 16 14	108 19.0 50	94 -0.9 34	103 63 33	110 31.1 30	111 143 25	109 -30 13	96 8.3 28	107 -9.2 36	115 -8.8 21	112 40.9 37	105 15 28	106 31 27	106 1.29 24	80 -2.34 22	95 -0.01 21
H 260088 6020778368 H26088		H 230008 H 230133		134 48	98 44	107 36	93 17	103 31	114 37	97 20	110 34	102 18	130 -1.44 52	135 -1.41 33	106 25 17	98 13.7 44	107 3.0 36	102 58 32	95 19.3 24	101 97 20	108 -29 18	106 13.9 23	98 -2.4 38	100 -5.8 17	111 40.8 37	101 13 22	103 28 21	101 0.88 19	101 0.34 17	117 1.81 16
H 260089 6020778376 H26089		KVS 210173 H 220210		91 42	107 46	106 34	99 13	106 26	107 35			103 24	94 1.62 46	95 0.13 28	99 18 13	107 18.3 46	106 2.7 34	111 82 31	109 29.8 24	107 127 22	100 -20 14	96 8.5 28	108 -10.0 25	103 -6.3 15	102 34.5 37	105 15 25	107 32 24	110 1.59 25	87 -1.48 22	101 0.51 22
H 260091 6020817471 H26091		KVS 210173 HDH 170047		95 49	102 47	97 40	105 11	107 34	101 39			98 18	96 1.42 51	99 -0.05 39	94 13 11	102 15.9 47	97 -0.3 40	101 57 33	107 28.8 25	106 119 21	105 -26 12	93 6.7 23	117 -17.6 38	92 -4.1 22	104 35.5 42	97 10 23	100 24 23	100 0.78 19	87 -1.53 18	103 0.64 17
H 260094 6020817489 H26094		H 230008 H 230113		131 48	98 44	117 36	90 17	111 29	119 37			105 17	124 -0.97 52	125 -1.05 32	109 28 17	98 13.3 44	117 5.8 36	108 73 32	93 17.9 22	101 99 18	103 -23 18	110 15.9 21	103 -5.9 36	112 -8.3 16	110 39.6 36	107 16 21	106 31 20	106 1.30 18	103 0.55 16	115 1.65 16

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID	ID Number Name	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
H 260098 6020827579 H26098		KVS 210173 HDH 190130		82 49	117 51	98 41	101 16	100 32	109 40			108 21	71 3.63 53	97 0.05 35	98 17 16	117 24.3 51	98 0.2 41	115 91 36	121 39.1 26	113 150 23	112 -34 12	103 11.9 26	95 0.5 38	98 -5.5 18	111 40.7 40	108 17 26	109 35 25	113 1.88 22	83 -1.93 20	103 0.65 20
H 260099 6020827587 H26099		H 230008 H 230042		136 48	101 44	96 33	89 14	104 30	114 36			106 20	129 -1.40 52	127 -1.10 31	112 31 14	101 15.3 44	96 -0.5 33	93 38 30	94 18.3 24	104 112 20	102 -22 11	113 17.5 23	104 -7.3 37	98 -5.3 17	109 39.3 36	102 13 23	109 34 22	120 2.42 20	91 -0.91 19	109 1.12 18
H 260100 6020827595 H26100	2	H 230008 H 230057		120 47	100 43	99 33	104 14	104 30	110 36			93 12	117 -0.31 51	130 -1.24 31	95 14 14	100 14.9 43	99 0.5 33	101 57 30	95 19.0 16	91 58 14	94 -13 6	94 7.3 16	99 -3.3 37	100 -5.8 16	113 42.1 36	95 9 15	98 22 15	96 0.41 13	106 1.03 12	103 0.71 12
H 260103 6020827611 H26103	1	H 230008 H 230160		106 44	111 44	90 32	98 16	111 29	113 35			104 24	102 0.93 48	124 -0.99 29	101 21 16	111 20.7 44	90 -2.4 32	101 56 31	105 27.4 26	104 113 24	107 -28 8	90 4.8 26	102 -5.3 37	113 -8.4 15	110 40.0 36	99 11 26	106 31 26	121 2.48 24	92 -0.85 23	104 0.79 23
H 260104 6020835606 H26104	1	SP 210076 H 240026		90 62	116 56	101 36	89 18	113 30	116 44	123 23	117 40	121 26	89 2.04 70	109 -0.41 31	112 31 18	116 23.6 56	101 1.0 36	111 80 37	120 38.9 33	124 200 27	117 -40 17	107 14.2 30	108 -10.1 33	109 -7.6 18	111 40.5 39	115 21 30	118 44 29	102 0.90 27	107 1.07 25	96 0.10 24
H 260107 6020838873 H26107		KVS 210173 H 220037		97 59	112 46	96 31	99 12	104 28	110 38	107 20	108 34	104 23	97 1.35 66	101 -0.11 32	100 19 12	112 21.0 46	96 -0.4 31	107 72 30	114 33.8 26	110 140 25	107 -29 12	108 14.6 28	106 -9.0 30	99 -5.6 17	102 34.2 38	102 13 28	105 30 27	116 2.09 24	80 -2.36 22	93 -0.15 22
H 260108 6020846876 H26108	13	H 230008 H 230199		128 59	100 44	92 34	95 12	109 29	111 38			101 12	125 -1.01 65	135 -1.44 33	105 24 12	100 14.9 44	92 -1.8 34	91 33 30	96 20.0 16	97 82 14	98 -18 7	100 10.7 17	101 -4.9 37	107 -7.1 15	114 42.4 35	101 12 15	105 30 14	108 1.47 12	100 0.24 11	108 1.07 11
H 260110 6020891633 H26110	2	H 220134 HDH 180050		102 65	110 46	92 44	93 17	119 35	114 43			110 20	103 0.89 70	99 -0.02 43	107 26 17	110 19.9 46	92 -1.6 44	99 53 36	105 27.1 30	109 135 22	105 -26 11	102 11.5 26	107 -9.2 39	124 -10.7 24	110 39.8 42	115 21 24	115 40 23	108 1.44 20	107 1.14 19	105 0.84 18
H 260113 6020891658 H26113		KVS 210173 H 220194		79 61	123 51	104 34	96 15	108 31	119 42	112 20	117 38	112 24	72 3.52 68	88 0.40 33	103 22 15	123 27.5 51	104 1.9 34	123 111 33	127 43.7 28	115 158 26	112 -34 13	114 17.8 29	104 -7.4 37	105 -6.7 19	109 39.2 37	107 16 29	112 37 28	122 2.56 25	84 -1.83 23	103 0.66 23
H 260118 6020891682 H26118	14	H 220134 H 220185		116 63	106 46	93 33	91 15	101 31	108 40			111 22	111 0.16 69	110 -0.47 37	110 29 15	106 18.0 46	93 -1.5 33	96 44 31	101 23.5 28	109 135 23	109 -31 12	102 11.6 26	90 4.3 36	104 -6.5 21	116 43.6 35	110 18 26	112 37 25	107 1.35 23	108 1.26 21	105 0.82 21

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass					
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling		
ID Number Name				Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling		
HDH 080102 291203453 TITZE HDH08102				145 68	80 60	130 73		103 37					137 -2.08 67	125 -1.02 71		80 3.9 60	130 9.7 73			73 2.6 7				106 -8.2 35	109 -7.6 17	88 24.5 60						
HDH 100076 4000205155 HDH 10 76				JL 050117	134 61	89 62	117 74	91 11	113 48	112 53		94 5	127 -1.19 61	112 -0.53 63	107 26 11	89 8.6 62	117 5.8 74	100 55 49		92 17.0 36	87 39 21	82 1 9	95 7.9 24	123 -22.3 51	102 -6.2 29	98 31.6 64	96 9 15	95 19 15	98 0.57 5	119 2.66 5	131 2.98 5	
HDH 110029 291134583 HDH11029				HDH 060047	123 62	80 60	106 74	119 32	93 48	90 54			121 -0.67 61	101 -0.12 67	81 1 32	80 3.6 60	106 2.6 74	92 35 55		73 2.5 16				88 5.7 54	106 -7.0 32	91 26.7 59						
HDH 120002 291134849 HDH12002				JL 050117	125 71	91 67	122 78	88 11	119 47	115 58		98 5	121 -0.66 70	105 -0.26 73	111 30 11	91 9.9 67	122 7.4 78	105 68 52		95 19.2 37	91 55 21	85 -2 9	99 10.0 24	129 -26.8 48	107 -7.2 28	98 31.4 64	100 12 15	100 24 15	102 0.90 5	120 2.71 5	132 3.06 5	
HDH 120003 291134856 HDH12003				SP 060039 HDH 090005	81 59	103 66	106 77	80 33	100 58	93 58	101 42	91 55	107 36	89 2.02 59	80 0.69 61	123 41 33	103 16.3 66	106 2.7 77	99 53 59		105 27.3 43	105 114 43	96 -15 40	95 7.7 45	104 -7.2 63	105 -6.9 44	86 23.8 68	117 22 45	104 29 45	86 -0.37 38	127 3.73 35	102 0.55 34
HDH 120091 291135028 HDH12091				DJW 070077	97 71	91 67	83 79	101 20	94 47	78 58	79 27	74 52	91 16	103 0.83 71	80 0.69 73	98 18 20	91 9.8 67	83 -4.3 79	78 0 55		90 15.8 38	86 33 33	79 5 18	103 12.0 37	95 0.1 51	100 -5.7 27	93 28.2 62	83 2 21	86 9 21	97 0.49 16	124 3.31 15	141 3.71 14
HDH 120098 291135044 HDH12098				DJW 070077 HDH 050073	72 72	102 71	107 82	95 14	102 56	91 62	97 27	89 55	101 16	78 3.01 72	67 1.22 74	104 23 14	102 15.5 71	107 2.8 82	105 67 56		99 22.5 36	102 103 33	94 -13 18	113 17.6 37	109 -11.0 62	94 -4.5 40	102 34.1 65	103 14 21	102 27 21	111 1.64 16	108 1.23 15	115 1.63 14
HDH 120133 291159507 HDH 12-133				JL 060247 SP 070099	89 67	99 68	97 76	104 26	117 57	100 60	99 27	97 53	93 14	95 1.50 67	85 0.51 69	95 14 26	99 14.2 68	97 -0.1 76	98 50 57		101 24.1 46	104 112 33	103 -24 19	94 7.0 35	108 -10.3 64	131 -12.2 40	92 27.8 67	94 8 32	95 19 32	101 0.85 14	87 -1.41 13	98 0.30 13
HDH 120143 291135127 HDH12143				JL 060247 HDH 060045	79 69	101 65	130 78	87 18	124 54	111 58		103 6	89 2.06 68	76 0.87 71	111 30 18	101 15.5 65	130 9.7 78	121 104 54		98 21.7 38	101 101 21	89 -7 13	107 14.4 23	113 -13.9 62	137 -13.3 37	96 30.2 64	110 18 18	109 34 18	112 1.74 7	110 1.44 6	108 1.07 6	
HDH 120182 291135200 HDH12182				LH 060062 HDH 050038	100 66	107 69	125 80	106 18	88 51	112 59	98 36	108 54		99 1.17 66	104 -0.21 67	91 10 18	107 18.4 69	125 8.2 80	131 129 56		110 31.1 40	102 102 33	97 -16 35	116 19.0 37	79 12.6 59	97 -5.2 31	104 35.7 63	103 14 38	100 25 36			
HDH 120194 291135234 HDH12194				JL 050117 HDH 060003	119 72	95 70	106 80	84 26	135 55	116 62		94 5	116 -0.25 71	104 -0.22 74	118 36 26	95 11.9 70	106 2.5 80	94 39 59		99 22.3 34	93 66 21	92 -11 9	94 6.9 24	146 -40.4 61	114 -8.6 40	107 37.8 65	98 11 15	98 22 15	102 0.91 5	102 0.46 5	104 0.72 5	
HDH 120215 291135283 HDH12215					124 65	88 63	146 77		118 35				120 -0.58 64	105 -0.28 68		88 8.0 63	146 14.6 77						107 -9.7 32	130 -11.8 16	97 31.2 56							

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ID Number Name																														
HDH 130056 291135382 HDH13056		JL 090242	94 70	100 64	99 75	96 12	113 44	100 56			98 6	102 0.97 69	78 0.77 72	103 23 12	100 14.5 64	99 0.3 75	97 47 50		92 17.2 26	87 39 15	76 9 7	101 10.7 17	118 -18.1 44	107 -7.2 24	98 31.5 63	94 9 14	99 23 14	98 0.59 6	127 3.67 5	135 3.25 5
HDH 130106 291135507 HDH13106		JL 060247 HDH 090006	71 67	102 69	107 79	97 19	100 54	91 59	90 22	87 52	95 12	81 2.76 66	60 1.46 69	101 20 19	102 16.0 69	107 2.9 79	107 72 56		100 23.1 40	96 77 27	90 -8 15	99 9.8 30	97 -1.2 60	114 -8.7 38	85 22.9 65	101 13 23	102 26 23	107 1.33 13	105 0.79 12	106 0.92 11
HDH 130128 291135564 HDH13128		DJW 070077 HDH 090130	115 70	102 69	109 78	90 17	74 54	98 60	102 31	97 54	109 18	116 -0.26 70	144 -1.78 71	109 28 17	102 16.0 69	109 3.6 78	106 69 55		99 22.7 39	106 120 37	102 -22 21	115 18.4 41	69 20.6 62	79 -1.4 35	106 37.0 64	105 15 25	109 34 24	107 1.35 18	114 1.94 17	128 2.72 16
HDH 130196 291135671 HDH13196		JL 090242 HDH 050089	99 58	103 62	114 75	94 12	87 52	100 54			100 6	100 1.11 57	97 0.05 60	105 24 12	103 16.2 62	114 5.0 75	112 83 50		93 17.6 24	95 73 15	85 -2 7	103 11.8 17	94 1.0 59	87 -3.1 33	90 26.4 64	104 14 14	105 30 14	103 1.05 6	110 1.50 5	107 1.00 5
HDH 140014 291135747 HDH14014		VV 110148 HDH 110086	109 74	94 71	90 81	115 20	113 58	100 63			83 13	106 0.62 73	109 -0.42 76	85 5 20	94 11.3 71	90 -2.3 81	90 30 57		89 14.6 36	91 58 15	86 -3 12	89 4.3 17	120 -19.9 67	102 -6.1 41	104 35.4 67	88 5 17	86 9 16	91 -0.01 13	91 -0.98 13	83 -0.98 12
HDH 140066 291140937 HDH14066		DJW 100009 HDH 020079	92 63	88 58	106 68	100 14	95 54	82 53			88 10	99 1.20 63	79 0.73 65	98 17 14	88 8.0 58	106 2.7 68	94 40 47		82 9.4 32	89 47 19	85 -2 9	100 10.4 21	104 -7.3 62	92 -4.2 36	90 26.2 64	97 10 17	92 16 16	99 0.65 11	99 0.12 10	105 0.82 10
HDH 140075 291135861 HDH14075		JL 090242 HDH 110004	117 64	99 58	110 61	93 12	113 51	114 51			101 6	112 0.05 65	109 -0.43 58	105 24 12	99 14.1 58	110 3.9 61	105 67 44		90 15.6 24	96 80 15	90 -8 7	102 11.3 17	123 -22.0 57	101 -6.1 34	99 32.5 63	106 16 14	106 31 14	103 1.02 6	112 1.73 5	107 0.98 5
HDH 140100 291135945 HDH14100		JL 090242 HDH 110161	81 66	120 69	123 80	68 29	114 55	121 60	116 24	120 53	126 19	82 2.63 65	94 0.16 68	139 56 29	120 25.4 69	123 7.7 80	121 104 59		114 34.3 36	120 179 26	113 -35 21	109 15.5 28	118 -17.8 60	108 -7.4 39	100 33.1 65	125 27 27	126 52 26	112 1.73 20	123 3.11 18	117 1.82 18
HDH 140132 291135911 HDH14132		JL 050117 HDH 110034	125 70	72 60	96 71	113 11	111 55	85 55			72 5	157 -3.83 69	147 -1.87 72	86 6 11	72 -0.6 60	96 -0.6 71	73 -11 47		74 3.3 41	77 -5 21	79 5 9	75 -3.2 24	113 -13.9 63	111 -8.0 38	98 31.5 63	80 0 15	77 0 15	84 -0.51 5	95 -0.47 5	91 -0.27 5
HDH 140134 291160679 HDH 14-134			135 64	76 48	111 64	111 32	97 36	94 47				131 -1.57 63	102 -0.14 67	86 6 32	76 1.8 48	111 4.2 64	91 33 48		71 0.5 13			100 -3.5 39	104 -6.7 16	85 22.8 54						
HDH 140181 291136018 HDH14181		DJW 070077 HDH 110119	102 69	93 68	91 79	101 20	93 54	84 60	87 27	81 53	91 16	103 0.89 68	97 0.05 71	99 18 20	93 10.6 68	91 -2.0 79	85 19 56		89 15.0 36	92 59 33	86 -4 18	103 12.1 37	90 4.2 59	101 -5.9 38	95 29.3 64	90 6 21	90 13 21	101 0.85 16	107 1.13 15	113 1.44 14
HDH 140189 291160638 HDH 14-189			105 63	84 62	114 77		109 27					112 0.05 62	76 0.86 65		84 5.8 62	114 5.0 77			81 8.2 13				109 -11.0 23	108 -7.5 5	100 32.7 52					

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ID Number Name																															
HDH 140202 291160620 HDH 14-202				114 63	80 60	113 76	98 31	107 35	91 53				118 -0.44 62	81 0.65 67	100 19 31	80 3.8 60	113 4.5 76	91 33 56					113 -13.8 39	102 -6.3 12	97 31.1 53						
HDH 150144 291167146 15-144				119 61	80 54	116 70							121 -0.69 60	88 0.38 64		80 3.8 54	116 5.5 70							93 28.5 50							
HDH 150173 291141141 HDH15173	DJW 100009 HDH 080021			71 70	98 65	123 76	94 14	78 52	82 57			95 10	75 3.30 70	54 1.73 72	103 22 14	98 13.4 65	123 7.8 76	115 92 52		95 19.0 32	95 73 19	89 -7 9	106 13.7 21	90 3.8 58	72 -0.1 32	93 28.3 65	104 15 17	100 24 16	105 1.16 11	100 0.19 10	106 0.95 10
HDH 150186 291167138 15-186				97 65	89 59	139 74							105 0.69 64	76 0.84 68		89 8.9 59	139 12.5 74						109 -10.6 23		95 29.7 50						
HDH 160012 291136968 HDH16012	CJ 120001 HDH 130007			108 69	95 59	116 66	99 19	85 56	96 55	103 24	95 49	103 20	105 0.71 69	110 -0.48 71	98 18 19	95 12.0 59	116 5.5 66	109 75 48		97 20.4 28	107 123 24	103 -24 22	95 7.6 26	104 -6.7 65	69 0.6 38	94 29.1 65	108 17 26	103 28 25	87 -0.29 21	112 1.76 20	97 0.20 19
HDH 160043 291137172 HDH16043	VV 110148 HDH 130071			71 72	112 69	136 77	91 19	112 55	117 60			102 14	61 4.45 72	54 1.73 74	105 24 19	112 21.2 69	136 11.6 77	138 146 55		115 34.9 29	108 129 18	105 -26 13	106 13.4 20	95 -0.1 61	123 -10.6 37	108 38.3 66	107 17 18	107 32 18	105 1.21 14	96 -0.36 13	101 0.52 13
HDH 160047 291137214 HDH16047	VV 110148 HDH 100008			88 71	99 68	106 80	115 24	103 54	99 60			93 13	93 1.68 70	88 0.38 74	84 4 24	99 14.1 68	106 2.7 80	110 79 57		96 20.1 28	98 84 15	89 -6 12	99 10.0 17	103 -6.0 61	100 -5.7 35	106 37.4 65	96 10 17	96 20 16	98 0.64 13	99 0.12 13	98 0.30 12
HDH 160056 291137305 HDH16056	SZ 110009 HDH 130041			123 70	94 61	86 73	129 27	105 53	103 57			80 11	123 -0.91 69	147 -1.87 72	77 -3 27	94 11.1 61	86 -3.5 73	89 28 54		83 10.0 22	83 24 17	83 1 11	89 4.5 19	119 -19.0 63	90 -3.7 31	99 32.3 64	82 1 16	85 8 16	81 -0.81 11	101 0.27 11	96 0.10 10
HDH 160064 291137388 HDH16064	VV 110148 HDH 120194			103 77	104 71	90 80	97 27	131 57	113 63			93 14	101 1.07 76	109 -0.41 79	103 22 27	104 16.9 71	90 -2.4 80	94 39 59		105 26.9 34	101 97 18	101 -21 13	91 5.3 20	135 -31.7 65	113 -8.4 39	116 43.6 66	90 6 18	95 19 18	98 0.63 14	90 -1.04 13	92 -0.24 13
HDH 160094 291137644 HDH16094	VV 110148 HDH 070079			98 70	89 58	76 69	119 23	106 54	82 55			76 13	103 0.86 69	85 0.51 72	83 3 23	89 8.6 58	76 -6.6 69	73 -10 50		85 11.8 28	82 20 15	76 8 12	86 2.5 17	106 -8.9 61	104 -6.7 37	100 33.2 63	78 -1 17	78 1 16	84 -0.53 13	99 0.05 13	95 0.03 12
HDH 160125 291137883 HDH16125	HDH 110068			100 68	92 64	110 77	83 41	136 50	107 58	83 21	100 51	84 18	103 0.86 67	91 0.26 72	119 37 41	92 10.1 64	110 3.7 77	94 39 61		91 16.6 23	87 41 21	80 4 20	86 2.6 22	135 -31.5 60	130 -11.9 34	106 37.3 56	97 11 23	87 10 22	86 -0.35 19	103 0.63 18	79 -1.32 17
HDH 160138 291137990 HDH16138	ML 120027			103 72	95 65	97 75	91 14	123 44	102 56			96 10	112 0.08 72	70 1.08 73	110 29 14	95 11.9 65	97 -0.2 75	89 28 51		95 19.3 30	87 41 21	75 9 9	102 11.4 23	127 -25.5 45	112 -8.3 25	105 36.1 61	97 11 17	97 21 17	105 1.22 11	121 2.93 10	139 3.62 10

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ID Number Name																														
HDH 160173 291138253 HDH16173		ML 120027	144 67	81 70	65 80	107 19	125 42	95 58			80 10	140 -2.33 67	98 0.02 67	94 14 19	81 4.2 70	65 -9.8 80	54 -58 56		79 6.9 27	73 -20 21	64 23 9	87 3.3 23	129 -26.8 42	112 -8.2 24	107 38.1 61	78 -1 17	79 2 2	90 -0.08 11	121 2.88 10	137 3.39 10
HDH 170004 291155893 HDH17004		VV 110148 HDH 100018	73 69	98 62	74 72	114 21	104 54	79 56			84 14	85 2.43 69	70 1.10 71	87 7 21	98 13.7 62	74 -7.1 72	80 6 52		96 20.3 29	92 60 18	90 -8 14	86 2.9 20	90 3.9 61	115 -8.8 36	107 37.9 64	84 2 19	86 10 18	90 -0.04 14	95 -0.48 13	92 -0.19 13
HDH 170017 291139012 HDH17017		CJ 120001 HDH 130407	108 69	82 66	107 76	114 11	99 52	87 57			83 9	110 0.23 68	89 0.35 71	84 4 11	82 4.9 66	107 2.7 76	93 38 51		80 7.9 24	87 38 11	80 4 8	91 5.6 13	115 -15.5 59	85 -2.7 35	95 29.8 63	88 5 13	86 10 12	85 -0.50 9	107 1.09 9	101 0.50 8
HDH 170021 291139020 HDH17021	2	CJ 120001 HDH 140095	73 67	99 60	116 68	104 15	93 54	90 54			96 12	80 2.84 67	70 1.10 69	93 12 15	99 14.1 60	116 5.5 68	114 89 48		100 23.1 22	103 108 14	99 -19 10	98 9.4 15	98 -2.3 60	96 -5.0 39	89 25.5 63	98 11 15	99 24 15	95 0.33 12	99 0.05 11	96 0.12 10
HDH 170031 291139129 HDH17031		CJ 120001 HDH 110094	71 64	89 60	109 70	109 12	95 53	76 54			89 9	84 2.47 64	54 1.73 66	89 9 12	89 8.5 60	109 3.6 70	101 56 47		89 14.6 25	91 58 11	84 -1 8	96 8.2 13	114 -15.3 61	75 -0.7 36	97 30.6 62	94 8 13	92 16 12	90 -0.05 9	107 1.10 9	102 0.60 8
HDH 170047 291139285 HDH17047		CJ 120001 HDH 140081	114 68	84 58	98 65	112 13	99 54	88 53			85 11	113 0.00 68	99 -0.03 70	87 7 13	84 6.0 58	98 0.0 65	87 22 45		84 10.9 34	89 47 15	88 -6 9	91 5.7 17	119 -19.2 63	79 -1.5 35	95 29.8 64	86 4 15	88 11 15	85 -0.46 11	104 0.72 11	110 1.23 10
HDH 170059 291139384 HDH17059		CJ 120001 HDH 110086	109 64	88 71	95 72	115 13	105 54	93 58			87 9	108 0.40 63	100 -0.08 66	84 5 13	88 8.3 71	95 -0.9 72	89 27 52		88 13.8 27	94 69 11	90 -8 8	88 3.9 13	124 -22.9 64	85 -2.6 35	98 31.6 63	95 14 13	90 14 12	86 -0.39 9	99 0.04 9	88 -0.52 8
HDH 170066 291139459 HDH17066		VV 100149 HDH 080056	125 69	96 70	82 68	109 21	76 53	90 59	87 21	85 51	90 30	120 -0.64 69	108 -0.39 70	91 10 21	96 12.7 70	82 -4.6 68	84 16 53		92 16.9 38	88 44 29	79 5 10	114 18.0 34	106 -8.4 59	49 4.7 37	95 29.8 64	85 3 33	89 13 32	108 1.45 31	98 -0.02 28	103 0.63 28
HDH 170074 291139558 HDH17074	1	DJW 100009 HDH 130093	90 65	96 74	88 78	105 22	80 57	76 61	93 22	75 53	89 14	93 1.73 65	95 0.14 66	94 14 22	96 12.2 74	88 -3.0 78	87 23 58		94 18.8 42	95 75 27	100 -20 16	98 9.3 30	97 -1.1 65	63 1.8 39	102 34.1 66	91 6 22	91 15 22	98 0.61 14	91 -1.00 13	104 0.78 12
HDH 170097 291139764 HDH17097		JL 120132 HDH 110111	88 68	106 75	96 77	96 25	102 57	98 63	107 27	97 56	105 22	80 2.85 68	113 -0.57 68	103 22 25	106 18.1 75	96 -0.6 77	101 56 59		106 27.7 40	109 132 30	101 -21 23	90 4.9 32	101 -4.5 63	111 -8.0 41	89 25.3 66	115 21 32	108 33 31	96 0.40 23	101 0.31 22	101 0.48 21
HDH 170120 291234532 HDH17120	1	JL 120005 HDH 150052	88 69	111 64	106 71	88 26	133 55	120 58	106 24	117 51	112 20	101 1.07 69	64 1.32 70	112 31 26	111 20.9 64	106 2.4 71	110 79 54		112 32.4 36	112 144 27	99 -19 18	107 14.5 35	119 -18.9 60	142 -14.5 40	104 35.7 64	116 22 29	120 46 27	116 2.07 21	104 0.77 20	123 2.31 20
HDH 170137 291140044 HDH17137		H 110018 HDH 080016	123 68	74 69	86 70	136 19	117 47	88 57			63 18	131 -1.56 68	65 1.29 70	72 -8 19	74 0.4 69	86 -3.6 70	70 -19 53		77 5.1 36	66 -49 24	63 23 13	74 -3.9 25	123 -22.2 42	117 -9.2 36	90 26.1 63	63 -10 23	66 -12 23	69 -1.76 19	107 1.15 18	101 0.52 17

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HDH 170139 291140069 HDH17139	3	H 110018 JL 100213		113 68	85 75	124 77	115 22	105 55	102 62	75 22	94 54	77 20	116 -0.24 68	86 0.46 70	83 3 22	85 6.4 75	124 7.9 77	112 84 58	88 14.0 36	84 27 29	90 -8 14	79 -0.8 31	111 -12.8 64	104 -6.6 36	91 26.8 66	76 -2 26	84 7 25	78 -1.02 20	99 0.10 19	94 -0.03 18
HDH 170153 291140184 HDH17153		JL 120132 HDH 120163		85 72	100 74	84 72	98 20	120 55	94 62			96 14	83 2.59 72	104 -0.23 72	102 21 20	100 14.9 74	84 -4.0 72	86 21 55	103 25.1 42	100 96 23	97 -17 13	89 4.2 25	123 -22.3 61	118 -9.6 39	93 28.3 66	107 16 24	103 28 23	101 0.82 14	96 -0.31 13	103 0.70 13
HDH 170158 291140234 HDH17158		JL 120132 HDH 120179		88 72	116 75	118 78	99 32	104 55	119 64	111 24	117 56	111 14	72 3.53 72	115 -0.64 72	99 18 32	116 23.3 75	118 6.1 78	129 126 62	117 35.9 40	113 150 26	105 -26 21	108 14.8 29	90 4.5 64	120 -9.8 37	101 33.7 63	119 23 29	115 41 28	114 1.93 14	98 -0.02 13	107 0.96 13
HDH 170161 291140267 HDH17161		JL 120132		71 66	102 60	118 68	93 24	122 43	104 53			106 14	60 4.59 66	54 1.73 66	105 24 24	102 16.0 60	118 6.1 68	114 89 51	106 27.5 32	100 93 20	84 -2 12	104 12.5 22	118 -18.0 44	127 -11.3 26	97 30.9 60	111 18 22	108 33 22	106 1.28 14	121 2.91 13	139 3.55 13
H 180008 96801741 HDH180008		VV 100149		97 52	110 47	103 44	92 21	92 41		99 21		113 30	102 0.97 53	86 0.47 50	108 27 21	110 20.2 47	103 1.6 44	108 74 37	106 28.0 38	101 101 29	87 -4 10	133 28.4 34	107 -9.0 45	84 -2.4 30	91 26.7 49	102 13 33	109 34 32	125 2.83 31	117 2.38 28	136 3.34 28
HDH 180032 291156065 HDH18032		CJ 120001 HDH 140072		77 66	99 71	116 67	102 15	101 51	94 58			97 10	87 2.25 66	78 0.77 65	95 14 15	99 14.0 71	116 5.5 67	113 87 51	94 18.6 34	99 90 14	95 -14 9	97 8.5 15	110 -12.1 52	87 -3.2 38	104 35.7 63	100 12 15	102 26 14	95 0.33 10	102 0.43 10	99 0.35 9
HDH 180050 291165132 HDH18050	1	JL 120005 HDH 120057		105 70	108 66	96 75	90 25	129 56	119 59	110 26	116 52	111 20	106 0.56 70	94 0.16 71	111 30 25	108 19.0 66	96 -0.4 75	100 54 55	104 25.9 37	112 144 29	100 -20 19	106 13.8 38	117 -17.5 63	139 -13.7 39	101 33.9 65	121 25 29	120 46 28	116 2.07 21	98 -0.06 20	108 1.05 19
HDH 180060 291165223 HDH18060		JL 120005 HDH 110029		124 77	98 64	87 72	95 25	101 54	102 59	108 21	101 51	107 18	124 -0.94 78	94 0.18 72	106 25 25	98 13.8 64	87 -3.1 72	86 20 54	95 19.3 42	110 137 24	96 -15 16	106 13.6 33	86 7.7 61	119 -9.6 38	99 32.5 62	121 25 26	117 43 25	116 2.06 19	94 -0.62 18	102 0.56 18
HDH 180076 291171494 HDH18076		JL 120005 HDH 120066		98 73	109 75	115 77	85 37	115 56	118 64	107 23	115 56	107 19	103 0.85 75	85 0.51 66	115 33 37	109 19.7 75	115 5.2 77	114 89 63	107 28.8 42	111 142 26	99 -18 18	103 12.2 35	95 0.5 64	136 -13.1 41	103 35.3 63	117 23 28	118 44 26	116 2.12 20	95 -0.41 18	107 0.98 18
HDH 180078 291171510 HDH18078		VV 100149 HDH 060108		103 75	110 74	108 74	93 21	93 52	109 62	105 21	107 54	108 30	100 1.15 77	110 -0.46 69	106 25 21	110 19.9 74	108 3.1 74	112 84 56	105 26.9 44	103 109 29	90 -8 10	130 26.9 34	94 0.7 60	84 -2.4 33	114 42.4 63	103 14 33	109 34 32	121 2.49 31	98 -0.01 28	107 1.00 28
HDH 180079 291171528 HDH18079		VV 100149 HDH 100012		125 75	97 71	103 71	104 21	91 52	105 61	88 21	99 53	91 30	118 -0.43 76	116 -0.67 69	94 14 21	97 13.2 71	103 1.8 71	102 59 54	94 18.8 41	89 49 29	81 2 10	118 20.4 34	116 -16.5 60	66 1.2 35	98 31.4 62	86 3 33	93 17 32	112 1.75 31	97 -0.23 28	102 0.60 28
HDH 180090 291171643 HDH18090		HH 150010 HDH 110086		115 76	105 74	117 75	101 23	116 54	124 63			98 16	112 0.08 77	105 -0.25 70	96 15 23	105 17.2 74	117 5.8 75	120 102 57	102 25.1 32	95 73 18	88 -6 13	100 10.2 20	120 -19.7 62	110 -7.8 39	101 33.8 61	100 12 20	103 28 19	109 1.48 17	93 -0.76 16	99 0.37 15

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ID Number Name																													
HDH 180118 291171924 HDH18118	1	FR 140074 JL 100213	90 74	99 71	63 66	112 30	74 52	68 60	89 20	67 52	87 12	88 2.15 76	125 -1.05 66	89 9 30	99 14.1 71	63 -10.4 66	71 -17 56	93 17.5 34	94 69 23	95 -14 14	85 2.3 25	87 6.6 59	66 1.1 34	95 29.4 62	90 6 20	91 15 20	84 -0.56 13	103 0.57 12	97 0.18 12
HDH 180129 291172039 HDH18129		ML 140090 HDH 120179	136 67	84 70	63 69	134 14	103 46	89 57	79 23	83 50	78 5	153 -3.44 67	129 -1.18 66	75 -5 14	84 5.9 70	63 -10.5 69	58 -46 51	82 9.4 31	80 11 24	83 1 19	83 1.0 27	83 10.0 44	131 -12.0 34	95 29.4 60	68 -7 27	73 -5 26	81 -0.77 5	106 0.91 5	104 0.75 5
HDH 180249 291191260 HDH18249		FR 140074 HDH 120191	73 73	103 72	94 73	100 14	90 49	84 60			101 10	69 3.78 75	70 1.08 66	99 19 14	103 16.6 72	94 -1.0 73	98 50 53	100 22.8 18	104 111 16	93 -11 13	104 12.6 17	90 4.2 58	94 -4.6 31	95 29.5 58	110 18 16	105 30 16	102 0.93 11	105 0.79 10	96 0.10 10
HDH 190023 291212769 HDH190023		VV 110148 HDH 160125	98 75	104 65	101 75	84 50	127 54	111 61			91 16	93 1.67 76	117 -0.72 71	118 37 50	104 16.9 65	101 0.9 75	97 48 63	103 25.2 30	100 94 19	98 -18 16	90 4.8 20	121 -20.3 62	128 -11.6 39	106 36.9 61	95 9 20	93 17 20	95 0.34 16	92 -0.83 15	84 -0.90 15
HDH 190026 291216562 HDH19026		HDH 130093	75 68	105 42	122 51	98 10	68 45	87 44			95 8	67 3.96 70	76 0.87 60	98 18 10	105 17.3 42	122 7.3 51	123 109 34	105 26.7 20	100 95 19	92 -10 13	108 14.9 21	65 24.1 53	78 -1.2 32	96 30.5 49	105 15 15	101 25 14	108 1.44 9	93 -0.73 8	94 -0.09 8
HDH 190028 291216604 HDH19028	1	JL 120005 HDH 170019	109 74	97 63	84 71	96 25	103 55	94 58	106 22	93 51	104 20	116 -0.24 76	76 0.84 68	105 24 25	97 13.2 63	84 -4.3 71	82 11 53	97 21.2 35	109 133 25	98 -18 17	100 10.7 33	109 -11.0 64	93 -4.3 37	104 35.4 63	113 20 27	113 38 26	109 1.51 20	94 -0.52 19	105 0.83 18
HDH 190030 291216588 HDH19030		JL 120005 HDH 110029	109 72	98 64	89 72	111 36	113 54	104 59	104 21	101 51	103 18	116 -0.29 74	74 0.93 66	88 8 36	98 13.6 64	89 -2.5 72	93 36 57	96 19.7 38	107 123 24	92 -10 16	103 12.2 33	103 -6.3 63	119 -9.7 39	104 36.0 61	117 22 26	114 39 25	114 1.91 19	92 -0.85 18	98 0.24 18
HDH 190040 291221620 HDH19040		JL 120005 HDH 140181	91 72	110 65	90 73	86 37	113 55	105 60	111 26	104 53	111 20	98 1.28 74	82 0.63 63	117 35 37	110 20.1 65	90 -2.2 73	95 42 58	107 28.9 41	114 157 29	103 -24 19	109 15.5 38	107 -9.0 62	121 -10.1 41	98 31.8 63	118 23 28	118 44 27	120 2.40 21	95 -0.47 20	111 1.35 19
HDH 190046 291223055 HDH19046	3	VV 100149 HDH 160064	103 76	115 68	71 76	99 35	109 57	108 62	105 23	106 54	103 30	99 1.17 77	113 -0.57 71	103 22 35	115 23.0 68	71 -8.0 76	89 27 60	113 33.0 44	106 122 31	104 -25 12	116 19.2 36	121 -20.5 66	89 -3.6 40	107 37.9 65	93 8 34	102 27 33	118 2.27 32	85 -1.68 29	94 -0.03 29
HDH 190050 291223097 HDH19050		JL 120005 HDH 140044	71 75	114 58	106 65	87 24	103 52	102 55	114 21	102 48	114 18	84 2.46 76	54 1.70 69	114 33 24	114 22.5 58	106 2.5 65	112 83 49	113 33.2 34	115 161 24	98 -18 16	111 16.5 33	103 -6.1 58	104 -6.6 37	98 31.6 61	126 28 26	124 50 25	123 2.63 19	95 -0.51 18	113 1.46 18
HDH 190056 291223154 HDH19056		JL 120005 HDH 130060	93 73	114 73	112 72	80 25	110 55	116 62	117 25	116 55	114 20	95 1.57 75	97 0.05 66	122 40 25	114 22.4 73	112 4.4 72	114 88 57	115 34.8 50	119 178 29	112 -34 19	105 13.1 37	118 -17.9 63	104 -6.6 40	95 29.5 63	124 27 29	124 51 28	122 2.57 21	84 -1.91 20	101 0.54 19
HDH 190070 291223402 HDH19070		JL 120132 HDH 040094	88 67	105 72	118 75	94 19	150 52	128 60			108 14	80 2.81 67	115 -0.64 69	104 23 19	105 17.4 72	118 6.3 75	118 98 55	107 28.8 43	110 136 20	100 -20 12	102 11.4 22	146 -40.1 63	152 -16.4 33	102 34.4 60	117 22 22	115 41 22	107 1.38 14	104 0.67 13	117 1.78 13

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ID Number Name																														
HDH 190071	JL 120132	291223337	84	103	93	95	106	94			98	73	103	105	103	93	95		100	103	99	98	111	105	91	110	107	102	97	104
HDH19071	HDH 140048		67	68	63	26	53	57			14	3.44	-0.20	24	16.2	-1.3	42		23.5	110	-19	9.1	-12.8	-6.9	27.1	18	32	0.96	-0.21	0.72
HDH 190079	ML 140045	291400919	129	101	85	97	105	108			107	123	110	104	101	85	87		93	104	97	99	93	118	100	97	105	106	115	123
HDH19079	HDH 160102		69	66	47	14	47	53			6	-0.85	-0.47	23	15.3	-3.9	22		17.8	112	-17	10.1	1.6	-9.4	32.9	10	30	1.29	2.17	2.28
HDH 190087	JL 120132	291224632	75	102	115	90	129	107			104	63	75	109	102	115	110		101	106	96	100	114	138	108	116	112	107	99	105
HDH19087	HDH 100037		70	71	71	21	51	59			14	4.30	0.91	28	16.0	5.3	80		24.3	120	-15	10.4	-15.2	-13.6	38.2	22	37	1.37	0.12	0.84
HDH 190093	HH 150010	291224822	71	118	102	77	113	108	101	105	109	81	61	128	118	102	108		121	104	100	98	123	99	102	108	110	103	106	108
HDH19093	HDH 120003		73	74	74	39	53	63	27	56	24	2.74	1.44	46	24.7	1.4	73		39.5	111	-20	9.5	-22.0	-5.7	34.3	17	35	0.99	0.96	1.04
HDH 190096	DJW 150068	291224855	86	97	96	117	102	92			88	90	96	83	97	96	100		96	88	85	95	99	105	101	94	90	97	97	96
HDH19096	HDH 110086		73	71	70	21	51	60			22	2.01	0.10	3	13.1	-0.5	53		19.9	45	-2	7.9	-2.9	-6.8	34.0	8	13	0.49	-0.15	0.13
HDH 190105	HH 150010	291224954	115	94	98	105	129	111			93	119	82	94	94	98	94		94	81	72	98	131	115	113	85	93	99	118	140
HDH19105	HDH 150010		66	56	61	22	38	50			16	-0.56	0.63	13	11.2	0.2	40		18.7	15	13	9.1	-28.6	-8.9	41.8	3	17	0.69	2.46	3.68
HDH 190122	DJW 150068	96632567	105	104	99	95	101	104	102	101	112	101	123	104	104	99	100		105	105	102	105	95	108	98	111	107	100	120	122
HDH19122	HDH 110069		72	60	64	25	42	54	28	49	29	1.04	-0.96	23	16.8	0.3	55		26.7	118	-22	13.1	-0.1	-7.5	31.7	19	32	0.80	2.78	2.19
HDH 190130	DJW 150068	291228039	81	115	101	103	85	101			106	62	94	95	115	101	116		111	103	102	110	74	92	110	108	107	112	98	110
HDH19130	HDH 150135		72	70	66	27	48	59			23	4.41	0.17	14	22.7	1.0	94		31.6	108	-22	15.9	16.9	-4.2	40.1	17	32	1.74	-0.08	1.24
HDH 190135	ML 140045	291228112	146	87	59	112	103	91			85	136	117	89	87	59	55		83	93	96	79	110	94	102	78	85	86	100	100
HDH19135	HDH 170025		73	68	63	27	49	58			7	-1.95	-0.73	9	7.6	-11.7	-54		10.4	64	-15	-1.0	-11.6	-4.6	34.5	-1	8	-0.37	0.23	0.41
HDH 190188	HH 150010	291236990	125	100	97	104	117	116			93	120	106	94	100	97	99		99	91	88	101	118	107	110	90	97	105	94	110
HDH19188	HDH 080067		68	71	70	36	39	58			16	-0.65	-0.30	14	14.4	-0.2	51		22.7	57	-5	10.9	-18.2	-7.2	39.5	6	22	1.15	-0.55	1.25
H 200004	HH 150010	291254878	128	92	116	104	117	117			91	124	104	93	92	116	108		93	86	79	96	117	114	100	90	95	102	101	112
H20004	HDH 110115		60	69	65	22	43	55			16	-0.96	-0.22	13	10.5	5.5	74		17.9	34	5	8.3	-17.3	-8.7	33.3	6	19	0.91	0.26	1.37
H 200014	ML 120027	291262525	127	100	96	87	120	115			98	120	116	115	100	96	91		101	98	99	95	124	113	98	105	103	108	101	111
H20014	HDH 130089		59	65	73	16	47	54			10	-0.59	-0.68	34	14.8	-0.6	33		23.6	87	-19	7.5	-23.3	-8.5	31.7	15	28	1.41	0.35	1.35
												60	57	16	65	73	51		40	24	10	26	50	30	61	19	19	11	10	10

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H 200026 291265379 H20026	1	VV 140112 HDH 170158	97 74	110 69	114 75	98 43	109 55	117 62	106 30	114 56	113 39	95 1.56 76	109 -0.42 67	100 19 43	110 20.0 69	114 5.1 75	121 104 62	109 30.1 44	108 129 41	105 -26 17	109 15.3 44	98 -2.3 65	110 -7.9 39	115 43.4 60	113 20 44	115 41 43	106 1.27 40	125 3.38 38	111 1.34 37
H 200029 291268779 H20029	1	VV 140112 HDH 170028	90 75	103 60	113 65	114 41	107 55	109 58	95 28	104 52	104 38	96 1.46 77	86 0.47 67	84 4 41	103 16.5 60	113 4.6 65	120 103 55	103 25.3 42	98 88 39	98 -17 13	98 9.5 42	105 -7.4 63	101 -6.0 41	111 40.6 60	103 14 42	105 30 41	95 0.40 40	132 4.32 37	110 1.22 37
H 200032 291271690 H20032	1	VV 140112 HDH 170134	122 76	105 67	114 72	84 32	133 54	131 61	100 28	124 54	108 38	118 -0.44 77	130 -1.22 70	116 35 32	105 17.3 67	114 4.9 72	109 76 57	100 23.5 44	103 106 40	100 -20 14	107 13.9 43	123 -22.2 65	130 -12.0 38	113 42.0 60	109 17 43	112 37 42	107 1.32 40	126 3.50 37	112 1.41 37
H 200042 291271773 H20042	2	VV 140112 HDH 170047	139 74	90 56	94 55	103 30	102 54	104 54	91 28	99 49	96 38	132 -1.64 76	125 -1.05 66	95 15 30	90 9.2 56	94 -1.0 55	87 22 47	88 13.9 42	93 66 39	93 -12 14	98 9.5 42	104 -6.9 64	92 -4.1 37	112 41.2 60	95 9 43	99 23 42	90 -0.07 40	124 3.29 37	110 1.25 37
H 200056 291279420 H20056		OLG 160017 HDH 110011	79 68	116 69	114 68	88 36	92 44	108 58	104 34	105 53	116 29	84 2.53 71	88 0.41 55	111 30 36	116 23.6 69	114 5.1 68	122 107 58	114 33.9 27	112 147 30	105 -26 34	105 13.1 36	85 8.4 53	98 -5.4 24	106 37.0 54	114 20 36	120 46 34	125 2.86 31	107 1.13 27	120 2.01 26
H 200059 291279453 H20059		OLG 160017 HDH 140202	78 72	117 69	111 65	87 23	88 46	104 58	101 34	101 53	112 29	69 3.75 74	84 0.54 62	113 32 23	117 23.9 69	111 4.2 65	119 100 52	115 34.6 24	109 133 30	103 -23 34	102 11.3 36	81 11.7 57	92 -4.2 26	108 38.5 54	110 18 36	116 41 34	122 2.60 31	107 1.09 27	119 1.95 26
H 200060 291279461 H20060		OLG 160017 HDH 160125	74 70	121 69	108 66	80 30	114 49	116 58	109 36	113 54	115 30	64 4.23 73	73 0.96 58	123 41 30	121 26.2 69	108 3.1 66	116 93 55	122 40.3 26	116 164 32	114 -36 36	97 8.9 37	110 -11.8 58	111 -8.0 33	108 38.5 55	115 21 38	119 45 36	120 2.45 32	100 0.21 29	103 0.63 28
H 200064 291281855 H20064		OLG 160017 HDH 170103	88 66	106 55	90 63	101 50	107 49	99 53	109 36	99 50	115 30	93 1.72 70	90 0.31 49	99 18 50	106 17.9 55	90 -2.3 63	97 47 56	107 28.8 28	117 166 32	113 -35 35	98 9.2 37	97 -1.7 58	116 -9.1 33	103 35.1 55	115 21 38	121 47 36	123 2.67 32	100 0.16 28	116 1.73 27
H 200075 291281764 H20075		VV 160075 HDH 140100	97 74	112 74	97 74	68 49	110 52	108 64	105 21	106 55	108 19	93 1.76 76	118 -0.77 67	141 58 49	112 21.5 74	97 -0.2 74	95 42 66	102 24.7 40	109 135 22	108 -29 18	102 11.5 24	108 -10.4 60	109 -7.6 37	104 35.7 59	104 14 24	108 33 23	101 0.83 20	106 0.98 18	101 0.53 18
H 200076 291281772 H20076	5	VV 160075 HDH 140014	103 75	97 61	72 63	104 25	108 53	89 56			84 18	100 1.07 77	127 -1.13 68	96 16 25	97 13.0 61	72 -7.9 63	74 -9 50	86 12.4 40	94 68 20	93 -12 16	90 5.0 22	114 -14.7 62	102 -6.2 37	99 32.0 59	84 2 22	87 10 21	89 -0.16 18	90 -1.08 17	84 -0.90 17
H 200077 291281780 H20077	1	VV 160075 HDH 150059	80 70	114 57	119 57	90 25	96 51	109 53	98 20	105 46	102 18	69 3.81 73	89 0.35 59	109 28 25	114 22.3 57	119 6.6 57	124 114 46	108 29.2 36	105 116 22	101 -21 16	104 12.7 24	94 1.3 61	101 -6.0 35	97 30.8 58	99 12 23	104 29 22	102 0.93 19	99 0.11 18	99 0.32 18
H 200091 291287845 H20091		VV 160075 HDH 120194	97 74	104 63	99 67	74 48	127 53	108 59			95 16	95 1.55 76	109 -0.42 65	132 49 48	104 16.9 63	99 0.4 67	92 36 59	99 22.5 36	99 91 21	100 -19 15	97 8.7 23	129 -26.5 61	120 -9.8 40	103 35.2 59	94 8 21	98 22 21	99 0.70 17	96 -0.31 16	95 0.06 16

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ID Number Name																													
H 200171 291300846 H20171		HH 150010 HDH 120163	137 66	98 72	114 69	99 23	121 51	128 59			94 16	134 -1.81 66	140 -1.61 65	99 18 23	98 13.6 72	114 5.0 69	110 79 55	100 22.8 34	91 57 21	94 -13 13	90 5.1 24	133 -29.9 60	102 -6.1 35	106 37.1 59	93 8 21	99 23 20	103 0.97 17	95 -0.40 16	109 1.17 15
H 200195 291304962 H20195	1	HH 170008 HDH 170017	101 55	92 68	104 59	112 15	95 45	92 52	92 21	88 46	90 16	101 0.99 55	99 -0.04 57	86 6 15	92 10.0 68	104 2.0 59	100 54 47	92 17.0 25	96 77 22	95 -14 19	84 1.5 24	101 -4.8 56	94 -4.6 28	93 28.4 52	92 7 23	90 14 22	84 -0.51 17	109 1.41 16	95 0.04 16
H 200198 291304988 H20198		VV 160075 HDH 140068	81 66	103 72	83 67	84 36	96 52	82 60			87 18	84 2.49 66	94 0.17 66	120 38 36	103 16.2 72	83 -4.4 67	82 12 58	93 17.7 36	92 61 21	92 -11 15	95 7.8 22	92 2.2 61	99 -5.6 35	102 34.0 59	87 4 22	89 13 21	93 0.16 18	94 -0.53 17	95 0.00 16
H 200211 291308328 H20211		JH 160078 HDH 150037	120 58	96 68	109 56	110 26	102 46	109 53	88 22	103 47	93 32	118 -0.47 59	100 -0.08 55	88 7 26	96 12.3 68	109 3.5 56	108 73 50	91 15.8 32	94 67 25	86 -3 18	91 5.7 39	100 -4.1 57	107 -7.2 24	97 30.8 56	95 9 27	99 24 26	100 0.76 34	101 0.28 31	104 0.72 30
JO 200009 291285955 BIGJ JO 200009		LL 150177 JO 170118	102 59	99 70	95 65	105 19	95 40	95 54	84 30	90 49	88 34	106 0.62 60	87 0.41 54	93 13 19	99 14.3 70	95 -0.9 65	97 46 51	103 25.5 36	89 46 36	80 3 20	80 -0.2 39	94 1.0 39	98 -5.4 25	99 32.5 56	85 3 40	90 13 39	105 1.15 36	113 1.92 33	122 2.21 32
JO 200142 291294049 JO200142		BR 140016 JO 180032	102 64	91 65	116 71	85 31	96 48	92 56	104 38	91 52	98 37	97 1.40 64	117 -0.74 63	115 34 31	91 9.9 65	116 5.5 71	99 53 56	83 9.7 46	107 125 39	95 -14 35	103 11.8 43	105 -7.9 53	86 -3.0 32	99 32.0 60	92 7 43	103 28 42	115 2.01 38	70 -3.60 36	113 1.51 35
H 210012 291335305 H21012		HDH 160087 HDH 170119	81 61	102 62	95 64	111 21	84 50	85 53			94 12	72 3.53 61	93 0.19 59	88 8 21	102 15.8 62	95 -0.7 64	102 59 49	102 24.4 34	100 96 18	98 -18 13	93 6.8 20	85 8.3 61	77 -1.2 32	111 40.3 56	95 9 17	94 18 17	90 -0.05 13	103 0.57 12	102 0.59 12
H 210017 291335354 H21017	2	HDH 160087 HDH 180142	97 74	105 71	109 60	104 24	110 51	112 59			99 16	97 1.37 76	103 -0.17 65	93 13 24	105 17.5 71	109 3.4 60	114 89 52	107 28.2 36	102 104 18	104 -24 15	90 5.0 19	104 -7.2 61	109 -7.7 36	108 38.7 56	99 11 19	101 26 18	94 0.26 16	99 0.08 15	99 0.31 14
H 210019 291335362 H21019		HDH 160087 HDH 180090	102 72	102 71	117 62	106 23	104 51	111 59			97 14	98 1.29 75	123 -0.96 61	91 10 23	102 15.8 71	117 5.8 62	119 101 52	100 23.1 36	99 91 16	96 -15 13	93 6.7 17	101 -4.3 61	100 -5.8 36	112 40.9 55	100 12 17	100 24 17	98 0.58 14	97 -0.19 13	96 0.09 13
H 210031 291342731 H21031		HDH 160087 HDH 170122	82 70	103 69	111 61	99 21	100 50	98 57			101 12	78 3.00 73	95 0.13 60	99 18 21	103 16.5 69	111 3.9 61	112 83 50	100 22.8 32	104 113 16	100 -20 13	101 11.2 17	93 1.9 60	100 -5.7 35	111 40.6 56	108 17 16	104 29 16	101 0.86 13	101 0.34 12	101 0.49 12
H 210038 291342798 H21038		20164169 HDH 140202	102 64	99 70	111 64	93 40	120 39	110 56				106 0.61 69	87 0.43 45	106 25 40	99 13.9 70	111 3.9 64	105 68 58	100 23.3 13			104 12.7 31	127 -25.0 53	104 -6.6 18	109 39.4 47					
H 210039 291342814 H21039		HDH 160087 HDH 180051	87 73	118 72	115 66	91 23	107 50	119 60			113 14	73 3.43 75	125 -1.03 64	108 27 23	118 24.4 72	115 5.2 66	125 114 54	113 33.1 34	114 153 18	106 -27 14	105 13.1 22	84 8.9 61	123 -10.5 33	113 41.5 56	123 26 19	119 45 19	115 2.03 15	99 0.11 14	113 1.51 14

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ID Number Name																													
H 210046 96788849 H21c46	2	HDH 160087 HDH 180034	89 65	112 57	93 49	99 23	89 44	99 49			106 19	90 1.93 65	135 -1.42 63	100 19 23	112 21.0 57	93 -1.3 49	105 66 43	107 28.8 36	108 128 21	106 -27 13	106 13.8 23	95 -0.2 47	80 -1.8 29	104 35.9 56	105 15 22	106 31 22	108 1.44 20	96 -0.28 18	97 0.16 18
H 210049 291342269 H21049	2	VV 140112 HDH 160011	75 72	107 70	116 62	99 31	80 52	92 59	93 28	89 53	103 38	87 2.26 74	70 1.08 63	99 18 31	107 18.3 70	116 5.6 62	120 102 54	105 27.1 40	96 79 39	96 -16 14	105 13.8 42	83 9.5 62	72 -0.1 36	108 38.3 59	98 11 42	106 31 42	94 0.30 40	127 3.71 37	109 1.19 37
H 210052 291342293 H21052		VV 140112 HDH 170161	73 61	103 72	118 68	96 41	109 50	101 59	93 28	96 53	104 39	78 3.04 62	68 1.17 59	101 21 41	103 16.6 72	118 6.1 68	117 95 60	105 27.1 42	96 80 40	91 -10 14	102 11.6 43	98 -1.9 61	114 -8.7 32	109 39.2 58	103 14 43	106 31 42	97 0.51 40	136 4.79 38	126 2.52 37
H 210054 291342319 H21054		VV 140112 HDH 130014	78 66	120 71	112 64	81 33	111 53	117 59	110 36	114 54	123 42	77 3.07 66	83 0.59 66	120 39 33	120 25.5 71	112 4.5 64	120 102 56	120 38.8 43	111 143 44	105 -26 24	112 17.1 47	95 -0.2 61	121 -10.0 40	109 39.1 59	121 25 48	120 46 47	101 0.84 43	146 6.09 41	123 2.32 40
H 210056 291344216 H21056	1	VV 140112 HDH 160033	127 69	99 58	102 61	99 31	96 52	108 54	92 28	103 49	101 39	122 -0.77 72	128 -1.15 58	100 19 31	99 14.1 58	102 1.4 61	100 55 50	94 18.2 40	96 79 39	94 -13 14	103 12.0 42	90 4.4 61	97 -5.2 38	109 38.9 58	97 10 43	102 26 42	95 0.38 40	129 3.96 38	116 1.74 37
H 210071 291346120 H21071		VV 140112 HDH 160138	113 73	100 61	96 64	96 30	110 52	106 56	85 28	100 50	98 38	112 0.12 75	102 -0.15 64	104 23 30	100 14.7 61	96 -0.6 64	95 42 52	98 21.5 42	89 46 40	86 -3 14	100 10.1 43	108 -10.3 61	102 -6.1 38	112 41.2 58	95 9 43	98 23 42	95 0.35 40	136 4.79 37	126 2.53 37
H 210073 291346138 H21073		HDH 170171 HDH 110068	109 71	101 69	95 53	95 23	121 50	110 56	88 32	104 51	93 36	114 -0.06 74	82 0.63 59	104 24 23	101 15.3 69	95 -0.7 53	95 43 48	104 25.9 42	91 58 38	92 -11 22	103 11.9 42	125 -23.9 61	110 -7.9 32	106 37.2 56	86 4 42	89 13 41	98 0.63 37	106 0.92 34	100 0.45 33
H 210076 291346161 H21076		HH 170028 HDH 170097	94 73	110 73	115 68	86 31	105 51	112 61	112 38	111 56	113 32	94 1.61 75	104 -0.22 63	114 32 31	110 19.9 73	115 5.2 68	115 91 57	110 30.7 44	115 161 35	121 -45 36	112 16.8 40	97 -1.5 62	114 -8.6 33	99 32.1 57	115 21 40	109 34 39	99 0.73 34	95 -0.44 31	116 1.75 30
H 210077 291346179 H21077	1	HH 170028 HDH 170147	101 70	97 72	115 67	76 43	112 50	103 61	102 37	100 56	102 32	106 0.56 73	83 0.57 56	127 45 43	97 12.9 72	115 5.2 67	99 52 61	103 25.2 44	107 123 34	117 -40 36	106 13.7 40	109 -11.1 62	111 -8.1 32	104 35.7 57	104 14 40	102 27 38	97 0.52 33	90 -1.12 30	118 1.88 29
H 210081 291346211 H21081		HH 170028 HDH 100037	89 68	100 70	137 66	81 41	104 46	108 59	105 35	105 54	109 30	96 1.46 72	83 0.60 54	119 37 41	100 14.9 70	137 12.0 66	122 108 59	99 22.6 41	108 131 31	110 -31 34	122 22.2 36	87 6.3 60	118 -9.5 24	107 38.1 55	113 20 37	107 32 35	106 1.27 32	97 -0.23 29	113 1.45 28
H 210093 291345627 H21093	1	HH 170028 HDH 140141	125 71	103 69	136 60	79 29	119 47	132 57	105 36	127 53	114 30	122 -0.81 74	136 -1.47 60	120 39 29	103 16.4 69	136 11.7 60	123 111 53	104 25.9 43	110 139 33	117 -39 35	120 21.5 38	120 -19.5 59	117 -9.3 25	99 32.5 56	112 19 38	110 35 36	106 1.28 32	105 0.80 29	133 3.11 28
H 210094 291351328 H21094		HH 170028 HDH 160259	82 71	105 72	108 66	91 31	110 50	102 60	103 37	100 55	102 31	79 2.91 74	95 0.11 60	108 27 31	105 17.4 72	108 3.1 66	108 73 56	105 26.9 44	105 118 34	117 -40 35	106 13.4 39	100 -3.5 62	122 -10.3 32	98 31.7 55	103 14 39	100 25 37	93 0.20 33	93 -0.64 29	117 1.79 29

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ID Number Name																													
H 210097 291351369 H21097		HH 170028 HDH 160125	111 73	100 73	128 71	70 66	134 49	125 64	101 36	120 58	103 32	105 0.64 75	116 -0.67 64	135 52 66	100 14.9 73	128 9.2 71	110 78 70	100 23.3 40	105 118 33	112 -34 36	110 16.0 38	129 -26.6 61	133 -12.6 30	106 37.4 55	107 16 39	99 24 37	95 0.35 33	96 -0.28 30	105 0.85 29
H 210099 291351393 H21099	1	HH 170028 HDH 170134	111 72	102 72	123 62	83 31	107 50	115 60	102 36	111 55	104 30	109 0.34 75	103 -0.19 61	118 36 31	102 15.8 72	123 7.7 62	113 87 55	102 24.9 42	107 123 33	115 -38 35	113 17.3 39	104 -7.2 62	109 -7.5 32	102 34.5 55	105 15 38	103 27 36	102 0.94 32	94 -0.56 29	118 1.92 28
H 210117 291351617 H21117	7	HDH 160087 HDH 110013	113 72	91 59	89 61	108 26	104 52	94 55	95 24	91 49	94 22	107 0.53 75	118 -0.76 62	91 11 26	91 9.9 59	89 -2.5 61	85 19 49	92 16.7 36	96 80 25	95 -14 23	83 1.2 26	102 -5.2 62	103 -6.5 38	106 37.0 57	101 13 27	93 17 26	80 -0.85 22	113 1.91 21	96 0.07 20
H 210121 291351583 H21121		VV 160075 HDH 120144	85 59	111 71	110 66	87 25	107 50	108 57	99 20	104 50	102 16	82 2.64 60	105 -0.26 57	113 32 25	111 20.5 71	110 3.8 66	113 85 54	100 23.4 36	105 117 21	99 -19 16	106 13.5 23	96 -0.3 60	120 -9.9 35	98 31.7 56	102 13 22	105 30 21	107 1.32 17	100 0.21 16	98 0.28 16
H 210127 291351807 H21127		SZ 170013 HDH 180050	108 73	100 69	90 58	111 20	128 50	111 57	92 22	106 50	90 19	105 0.68 75	129 -1.18 63	88 8 20	100 14.5 69	90 -2.4 58	95 41 49	96 19.9 32	95 75 24	94 -13 19	88 3.7 28	119 -19.3 59	131 -12.2 34	104 35.5 56	94 9 24	99 24 23	98 0.59 20	95 -0.47 18	101 0.54 18
H 210130 291351831 H21130		HDH 160087 HDH 120163	109 73	97 71	108 63	100 21	109 51	106 59			96 12	112 0.11 75	147 -1.87 65	98 17 21	97 12.8 71	108 3.3 63	104 64 52	94 18.4 34	99 92 17	98 -17 13	92 6.0 18	106 -8.9 61	104 -6.6 35	110 39.6 56	103 14 16	99 24 16	96 0.43 12	103 0.54 11	99 0.35 11
H 210141 291353357 H21141	13	HDH 160087 HDH 160071	89 70	98 71	100 66	118 35	102 48	96 59			91 13	94 1.64 73	146 -1.85 60	82 2 35	98 13.8 71	100 0.8 66	105 67 57	93 17.6 32	97 83 15	94 -12 13	90 5.2 16	90 4.3 61	107 -7.3 28	111 40.6 55	94 9 16	93 17 16	90 -0.05 13	100 0.25 13	95 0.02 12
H 210156 291358133 H21156		HDH 160087 HDH 130405	98 72	102 70	116 66	97 20	116 46	113 58			104 12	95 1.58 74	124 -0.99 63	100 19 20	102 15.8 70	116 5.7 66	115 90 52	96 19.8 28	102 106 13	91 -9 12	105 13.2 14	112 -13.2 56	115 -8.9 27	107 37.5 54	111 18 14	106 31 14	104 1.07 12	111 1.55 11	106 0.88 11
H 210157 291358141 H21157	13	HDH 160087 HDH 160047	86 72	115 72	92 68	125 35	104 50	112 61			105 13	70 3.71 74	129 -1.18 62	79 -1 35	115 23.0 72	92 -1.7 68	116 93 58	108 29.4 32	109 133 15	102 -22 13	102 11.2 16	95 0.3 61	102 -6.2 32	116 44.1 56	109 17 16	107 32 16	103 1.00 13	101 0.35 13	98 0.27 12
H 210162 291366383 H21162		HDH 160087 HDH 100026	109 70	94 67	115 52	102 20	117 47	109 55			97 12	106 0.57 73	128 -1.17 60	95 15 20	94 11.1 67	115 5.2 52	108 73 46	88 14.0 28	97 83 13	87 -4 12	100 10.3 14	102 -5.8 56	125 -10.8 31	110 39.6 54	104 15 14	99 24 14	98 0.59 12	110 1.49 11	104 0.76 11
H 210164 291366425 H21164	3	SZ 170013 HDH 180082	111 68	89 69	102 56	129 19	112 45	103 55	75 21	95 48	75 18	108 0.44 73	128 -1.16 50	76 -3 19	89 8.7 69	102 1.5 56	100 54 48	91 16.5 32	79 7 22	85 -2 18	75 -3.3 24	117 -17.6 59	105 -6.8 25	100 33.3 52	73 -4 22	82 5 21	85 -0.46 19	92 -0.87 17	99 0.37 17
H 210165 291366409 H21165		HDH 160087 HDH 120122	77 70	100 68	107 54	107 20	76 46	83 55			91 12	72 3.54 73	80 0.69 59	91 10 20	100 14.9 68	107 3.0 54	110 77 47	97 21.1 30	91 58 13	82 1 12	94 7.1 14	68 21.5 57	83 -2.4 27	108 38.2 54	97 10 14	92 16 14	92 0.14 12	110 1.43 11	103 0.65 11

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ID Number Name																														
H 210205		HDH 180132	99	108	98	93	93	102			108	99	132	107	108	98	103		101	109	100	102	85	100	106	112	111	107	103	108
291372738		HDH 190060	69	68	55	19	44	55			9	1.24	-1.30	26	18.8	0.2	60		24.2	132	-20	11.4	8.0	-5.8	36.8	19	37	1.36	0.54	1.08
H21205												73	55	19	68	55	47		26	16	9	17	55	27	51	16	16	9	9	8
H 210211		HDH 180132	99	111	86	96	112	109			111	95	115	105	111	86	96		105	108	102	108	101	118	109	110	111	110	104	110
291372753		HDH 190107	71	68	55	19	45	55			12	1.53	-0.63	24	20.4	-3.4	46		27.0	130	-22	14.9	-4.7	-9.5	38.9	18	36	1.58	0.75	1.27
H21211												74	58	19	68	55	47		24	17	8	18	55	29	50	17	17	13	12	12
H 220001	1	VV 140112	96	104	102	103	101	102	93	98	97	96	104	95	104	102	106		100	96	95	98	92	106	107	96	99	93	119	96
291383099		HDH 190029	64	55	53	31	48	50	28	46	39	1.49	-0.23	15	16.8	1.2	69		23.3	77	-14	9.4	2.9	-7.0	37.6	10	24	0.22	2.60	0.07
H22001												65	61	31	55	53	46		40	39	14	42	54	33	57	43	42	40	38	37
H 220004		HDH 160087	89	106	107	93	100	102			105	87	127	105	106	107	109		106	108	108	97	103	92	107	109	107	103	98	99
291390961		HDH 130060	63	57	55	21	45	50			14	2.19	-1.11	24	17.9	2.9	76		27.5	130	-30	9.0	-6.1	-4.2	37.6	17	32	1.02	-0.03	0.34
H22004												64	61	21	57	55	44		36	20	15	22	50	30	56	20	19	14	13	13
H 220005	1	HDH 160087	117	86	99	114	103	94			91	111	123	85	86	99	90		86	99	98	84	112	87	108	98	92	84	102	91
291390979		HDH 170059	71	71	61	21	49	58			12	0.12	-0.95	5	6.9	0.4	31		12.2	90	-17	1.5	-13.1	-3.1	38.4	11	16	-0.52	0.48	-0.33
H22005												74	60	21	71	61	51		42	14	12	15	61	32	54	15	15	12	12	11
H 220007		HDH 160087	95	99	94	99	108	96			97	91	115	100	99	94	93		97	97	94	98	103	107	107	95	95	96	113	118
291400422		HDH 120091	72	71	67	34	48	60			14	1.85	-0.64	19	14.0	-1.1	38		20.6	84	-12	9.3	-6.5	-7.2	37.4	9	19	0.41	1.89	1.85
H22007												74	62	34	71	67	57		44	21	15	23	59	30	55	18	17	14	13	13
H 220011	1	HH 170028	139	75	115	107	89	91	82	86	84	131	113	90	75	115	92		78	87	98	98	86	91	104	78	78	77	101	124
291400489		HDH 160078	71	69	60	30	47	57	36	53	31	-1.54	-0.57	10	1.0	5.4	35		5.8	40	-18	9.1	7.4	-3.9	35.8	-1	0	-1.11	0.38	2.36
H22011												74	59	30	69	60	53		62	32	35	37	59	29	54	38	36	33	29	28
H 220012		HH 170028	92	120	125	79	91	119	119	118	125	95	95	122	120	125	128		117	121	122	140	91	95	95	120	119	123	95	122
291400497		HDH 190047	70	68	53	32	48	56	37	52	34	1.55	0.12	40	25.4	8.3	123		36.1	186	-45	32.1	3.5	-4.9	29.3	24	45	2.67	-0.43	2.17
H22012												74	54	32	68	53	51		62	35	35	40	62	28	53	41	39	35	32	31
H 220013		HH 170028	91	98	134	87	103	105	102	103	106	99	78	111	98	134	121		98	107	115	118	102	103	102	107	103	101	94	119
291400505		HDH 170122	70	58	61	30	44	53	36	50	30	1.20	0.77	30	13.5	11.0	105		21.9	123	-37	20.2	-5.2	-6.4	34.2	16	27	0.89	-0.52	1.93
H22013												73	59	30	58	61	50		41	33	35	38	50	27	56	38	36	32	29	28
H 220015		HH 170028	103	110	112	86	99	113	113	112	114	98	119	115	110	112	113		107	116	126	123	101	95	102	111	109	109	91	120
291400521		HDH 170074	62	73	68	42	50	59	37	55	31	1.29	-0.80	33	20.3	4.4	86		28.2	162	-50	22.8	-4.7	-4.8	34.0	19	34	1.48	-1.01	2.06
H22015												63	59	42	73	68	61		62	34	35	39	62	32	56	39	37	33	29	28
H 220024	1	HDH 170171	107	116	89	89	87	107	111	106	117	108	93	113	116	89	100		103	113	108	131	86	87	102	110	117	128	97	105
291400620		HDH 180032	71	70	57	17	48	57	23	50	31	0.38	0.19	32	23.6	-2.7	56		25.6	152	-29	27.3	7.1	-3.1	34.6	18	43	3.03	-0.14	0.81
H22024												74	58	17	70	57	48		60	32	11	36	58	31	54	36	35	32	30	29
H 220028		HDH 170171	98	105	101	98	89	98	100	96	102	103	82	101	105	101	104		106	103	100	122	100	82	95	99	103	117	93	94
291397172		HDH 170030	70	69	58	17	47	56	23	49	31	0.81	0.61	20	17.4	1.0	65		27.7	109	-20	22.2	-3.9	-2.0	29.5	11	28	2.15	-0.71	-0.07
H22028												73	57	17	69	58	48		48	32	11	36	60	28	54	36	35	32	30	29

Breeding Values and Accuracies: Cows

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Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass		
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
H 220029 291397180 H22029	4	VV 160075 HDH 180040	114 67	101 70	90 53	90 27	86 47	94 56	100 24	92 50	99 24	109 0.37 71	121 -0.89 50	111 30 27	101 15.3 70	90 -2.2 53	89 28 50	95 19.6 60	103 108 26	102 -22 19	106 13.6 29	94 0.6 51	82 -2.1 34	95 29.3 56	94 8 28	98 22 27	100 0.75 25	96 -0.26 23	92 -0.21 22
H 220031 291397164 H22031	1	HH 170028 HDH 140132	142 70	84 68	116 54	98 29	106 48	108 56	89 36	102 52	90 30	137 -2.04 73	134 -1.40 56	99 19 29	84 5.7 68	116 5.4 54	97 48 50	87 12.7 62	94 69 33	108 -29 35	99 9.8 38	102 -5.4 62	109 -7.7 28	101 33.4 55	91 6 38	87 11 36	88 -0.25 32	92 -0.89 29	110 1.24 28
H 220037 291400703 H22037	1	HDH 170171 HDH 180069	121 62	102 54	97 39	100 17	92 39	105 45	95 22	100 40	97 30	118 -0.47 63	102 -0.14 56	99 18 17	102 15.6 54	97 -0.3 39	99 51 37	96 19.9 36	98 88 31	93 -11 10	120 21.3 35	98 -1.9 40	93 -4.4 24	91 27.2 52	96 9 36	99 23 34	117 2.17 32	91 -0.95 29	90 -0.35 29
H 220039 291400711 H22039	1	HDH 170171 HDH 180069	119 59	102 54	97 39	100 17	92 38	104 44	95 22	100 40	97 30	117 -0.34 61	100 -0.06 51	99 18 17	102 15.8 54	97 -0.2 39	99 53 37	96 20.3 36	98 88 31	93 -11 10	120 21.3 35	98 -1.9 40	93 -4.4 24	91 26.6 51	96 9 36	99 23 34	117 2.17 32	91 -0.95 29	90 -0.35 29
H 220041 291400695 H22041		HDH 170171 H 200014	140 66	109 68	97 59	85 17	116 48	129 55	102 24	124 49	109 31	132 -1.67 70	113 -0.58 51	117 35 17	109 19.4 68	97 0.0 59	99 53 48	106 28.2 59	106 121 33	105 -26 11	123 22.9 37	117 -17.3 58	115 -8.9 32	98 31.4 54	106 16 37	110 35 35	128 3.06 32	99 0.05 30	109 1.15 29
H 220044 291400752 H22044	1	HDH 170171 HDH 180075	102 69	112 70	77 56	99 18	93 48	100 56	101 24	97 50	103 32	102 0.94 73	100 -0.06 51	101 21 18	112 21.4 70	77 -6.4 56	91 33 48	106 28.0 38	104 113 32	102 -22 12	119 20.6 36	103 -6.4 60	84 -2.6 29	97 30.8 54	96 10 37	102 26 35	115 2.00 33	95 -0.42 30	99 0.37 29
H 220053 291402659 H22053	13	HDH 170171 HDH 180029	122 68	109 69	96 56	98 32	80 47	107 56	103 24	104 50	107 34	119 -0.51 72	103 -0.19 52	101 21 32	109 19.6 69	96 -0.6 56	104 63 52	104 26.2 41	105 115 34	100 -19 11	134 28.7 39	85 8.4 61	80 -1.7 27	97 31.0 54	98 11 39	105 30 38	130 3.22 36	89 -1.26 33	95 0.01 32
H 220058 291402691 H22058	1	VV 160075 HDH 170025	119 69	88 68	91 52	103 25	86 50	85 56			82 18	114 -0.07 72	126 -1.07 57	96 15 25	88 8.0 68	91 -1.9 52	82 11 48	83 9.8 36	91 57 20	95 -14 15	86 2.9 22	92 2.7 61	85 -2.8 33	95 29.7 55	81 1 21	85 8 21	83 -0.63 18	94 -0.58 17	90 -0.42 16
H 220065 291402790 H22065		VV 160075 HDH 110068	85 70	116 70	83 56	83 29	117 51	107 58	101 28	103 52	104 24	75 3.25 73	106 -0.29 57	121 39 29	116 23.2 70	83 -4.4 56	93 38 52	109 30.2 50	105 117 28	102 -23 25	97 8.9 30	117 -17.4 62	115 -8.8 34	99 32.6 58	103 14 30	102 26 30	94 0.27 25	108 1.25 24	95 0.06 23
H 220070 291402816 H22070	1	HH 170028 HDH 120002	133 70	93 69	127 56	87 29	112 48	119 57	95 36	113 53	103 30	126 -1.17 73	109 -0.42 57	111 30 29	93 10.7 69	127 8.8 56	110 80 51	95 19.2 52	101 98 33	110 -32 35	111 16.3 38	118 -17.8 59	105 -6.9 29	99 32.6 55	101 12 38	98 23 36	96 0.41 32	104 0.69 29	130 2.90 28
H 220074 291403889 H22074	4	VV 160075 HDH 180079	92 69	96 70	97 53	101 25	91 45	86 56	87 20	82 49	85 22	89 2.10 73	116 -0.70 52	98 17 25	96 12.6 70	97 -0.1 53	94 41 49	88 13.5 49	90 53 23	89 -7 16	102 11.7 26	105 -7.6 49	80 -1.8 32	95 29.6 55	79 0 26	87 10 25	96 0.43 23	93 -0.74 21	93 -0.18 21
H 220078 291403939 H22078	2	VV 160075 HDH 180131	88 67	98 69	89 50	98 24	87 43	81 54			91 18	87 2.20 72	108 -0.37 49	102 21 24	98 13.7 69	89 -2.7 50	88 25 48	90 15.8 34	98 87 20	97 -17 16	94 7.4 22	89 4.9 45	93 -4.4 30	91 26.6 54	91 7 22	93 17 21	91 0.04 18	96 -0.27 17	92 -0.25 16

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Index EBV Acc	% Inbreeding	Sire ID Dam ID	ID Number Name	Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
H 220080 291405686 H22080		HH 170028 HDH 140188		127 69	90 67	125 52	84 31	96 44	105 55	90 35	100 51	96 30	120 -0.65 72	113 -0.56 55	115 34 31	90 9.2 67	125 8.3 52	105 67 50	88 13.9 39	95 74 31	98 -18 34	112 16.9 36	89 5.0 58	106 -7.0 21	99 32.1 52	97 10 37	92 16 35	93 0.22 32	103 0.57 29	121 2.10 28
H 220089 291405777 H22089	1	HH 170028 HDH 110128		133 70	84 69	114 55	96 30	102 50	102 57	87 36	96 53	90 30	151 -3.31 73	142 -1.71 56	101 21 30	84 6.0 69	114 4.9 55	96 44 51	87 13.2 51	93 64 33	106 -27 35	100 10.3 38	102 -5.0 62	109 -7.7 32	92 27.3 56	90 6 38	87 10 36	86 -0.39 32	94 -0.52 29	113 1.52 28
H 220090 96660667 H22090		VV 160075 HDH 110069		107 69	100 68	98 53	88 28	107 46	102 55	96 28	99 50	101 24	105 0.67 72	106 -0.30 57	113 31 28	100 14.8 68	98 0.2 53	94 40 50	97 21.0 48	101 100 28	98 -17 25	97 8.8 30	106 -8.3 45	114 -8.7 35	90 26.5 57	99 11 30	98 23 30	88 -0.18 25	117 2.41 24	108 1.09 23
H 220096 291405850 H22096		HH 170028 HDH 170031		94 71	90 70	114 61	100 29	106 49	93 58	94 36	90 54	95 30	100 1.07 74	80 0.69 59	98 17 29	90 9.1 70	114 5.0 61	103 61 53	89 15.0 50	99 89 32	108 -29 35	107 14.1 37	116 -16.4 61	97 -5.3 31	97 30.9 55	94 9 38	92 15 36	87 -0.30 32	97 -0.14 29	115 1.61 28
H 220104 291408433 H22104		SS 150092 H 200004		97 68	114 69	99 59	94 23	102 46	112 56	113 42	111 53	116 41	96 1.42 71	103 -0.18 54	106 25 23	114 22.5 69	99 0.5 59	110 78 50	121 39.1 46	115 159 41	115 -37 39	97 9.0 44	92 2.5 57	110 -7.8 26	106 36.7 54	102 13 45	115 41 44	106 1.23 42	101 0.32 40	112 1.43 39
H 220109 291408680 H22109	1	SS 150092 H 200043		105 71	112 68	84 60	96 25	104 49	108 57	116 44	108 54	116 44	101 1.06 74	122 -0.91 60	105 24 25	112 21.1 68	84 -4.1 60	96 44 51	111 31.8 47	118 170 45	122 -45 40	94 7.0 48	96 -0.7 60	107 -7.3 31	108 38.5 56	102 14 49	114 39 48	94 0.23 46	116 2.24 43	108 1.07 43
H 220118 291408789 H22118	1	HH 170028 HDH 160064		102 71	106 70	113 57	90 32	116 50	116 58	102 36	112 54	102 31	99 1.16 74	109 -0.42 58	109 27 32	106 17.9 70	113 4.6 57	112 84 53	108 29.4 50	107 126 33	119 -42 35	108 14.8 38	118 -18.4 62	104 -6.6 32	111 40.4 56	97 10 38	98 22 36	96 0.42 33	89 -1.16 29	111 1.28 28
H 220122 291408839 H22122		HDH 160087 HDH 140066		87 69	94 69	100 60	107 21	92 48	84 57			92 12	89 2.06 72	99 -0.01 56	92 11 21	94 11.2 69	100 0.8 60	96 46 50	86 12.4 42	96 78 16	94 -13 13	93 6.8 17	87 6.2 61	94 -4.5 29	108 38.3 54	98 11 16	94 18 16	93 0.16 13	100 0.25 12	99 0.32 12
H 220123 291408847 H22123	2	HDH 160087 HDH 150096		88 70	111 70	87 60	106 23	104 49	103 57			100 14	65 4.09 73	113 -0.59 57	93 13 23	111 21.0 70	87 -3.2 60	102 59 51	104 26.5 42	103 109 18	103 -23 14	98 9.3 19	107 -9.4 61	93 -4.3 32	111 40.4 55	103 14 17	102 27 17	95 0.39 14	101 0.37 13	99 0.33 12
H 220124 291408854 H22124		FR 170052 HDH 110013		81 70	112 67	87 49	94 20	106 48	99 54	107 29	98 49	107 27	84 2.48 73	93 0.19 57	106 25 20	112 21.1 67	87 -3.3 49	97 48 45	116 35.5 42	111 144 30	106 -27 27	95 7.6 32	106 -8.8 58	104 -6.6 33	101 33.5 54	107 16 32	105 30 31	97 0.54 28	95 -0.43 26	94 -0.06 26
H 220126 291410165 H22126	13	HDH 170171 HDH 190046		134 70	108 69	79 51	98 24	110 47	117 56	100 24	112 50	102 34	127 -1.19 74	113 -0.59 55	103 22 24	108 18.9 69	79 -5.8 51	88 25 48	104 26.2 50	102 103 35	102 -22 11	126 24.4 39	121 -20.3 61	92 -4.1 28	106 37.2 53	88 5 39	99 23 38	123 2.63 36	88 -1.37 33	98 0.28 32
H 220129 291410199 H22129	2	HDH 170171 H 200075		132 66	111 68	90 51	79 29	103 42	118 54	104 24	114 48	109 32	126 -1.12 71	109 -0.40 48	127 45 29	111 20.9 68	90 -2.4 51	93 37 49	103 25.5 50	108 128 33	107 -28 13	123 22.8 37	104 -7.3 48	101 -5.9 27	102 34.5 50	99 11 37	107 32 36	119 2.33 33	99 0.01 31	103 0.66 30

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H 220136 291410249 H22136		1	FR 170052 HDH 150134	71 69	114 67	114 49	91 15	99 45	105 53	108 22	103 47	111 22	81 2.71 72	54 1.73 55	108 27 15	114 22.5 67	114 4.9 49	121 105 44	121 39.3 40	115 160 24	107 -28 19	107 14.2 26	89 5.0 57	108 -7.4 26	104 35.8 53	107 17 26	113 39 24	113 1.80 23	87 -1.46 21	100 0.40 21
H 220146 291412708 H22146		1	VV 180207 HDH 190030	116 69	96 67	94 49	105 23	115 47	106 54	97 23	102 48	95 28	114 -0.09 73	103 -0.17 52	93 13 23	96 12.2 67	94 -1.2 49	92 35 46	90 15.5 46	100 94 30	96 -15 13	97 8.8 35	98 -2.3 58	124 -10.7 33	111 40.5 51	101 13 34	100 24 33	98 0.57 30	91 -0.91 27	94 -0.07 26
H 220149 291412732 H22149		1	SZ 170013 HDH 130159	87 68	94 69	76 59	131 17	96 46	80 56	75 24	74 50	74 18	93 1.74 72	88 0.41 53	76 -4 17	94 11.2 69	76 -6.5 59	80 7 48	97 20.8 40	80 11 25	83 1 19	81 0.1 28	90 4.4 58	102 -6.2 26	102 34.2 53	73 -4 22	78 1 21	85 -0.48 18	99 0.07 17	102 0.62 16
H 220154 291412617 H22154		13	HDH 160087 HDH 160094	88 68	100 69	91 60	113 34	104 48	94 57			88 13	75 3.26 72	113 -0.57 53	86 6 34	100 14.7 69	91 -1.9 60	97 47 54	95 19.2 42	94 68 15	91 -9 13	87 3.3 16	96 -1.0 61	103 -6.3 29	113 41.7 54	90 6 16	88 12 16	87 -0.29 13	100 0.23 13	94 -0.04 12
H 220156 291412633 H22156		3	HDH 170171 H 200069	131 68	98 65	85 46	95 20	119 46	111 53	93 25	106 47	94 32	127 -1.22 72	103 -0.17 52	106 25 20	98 13.4 65	85 -3.8 46	83 14 44	94 18.8 41	97 81 33	99 -18 13	111 16.5 37	128 -26.0 60	105 -6.9 26	103 34.7 51	86 4 37	94 18 36	110 1.56 33	90 -1.07 31	99 0.32 30
H 220161 96660808 H22161		1	SZ 170013 HDH 170120	87 69	93 67	102 48	118 20	123 42	100 53	83 22	94 47	83 19	93 1.75 73	88 0.39 54	82 2 20	93 11.0 67	102 1.5 48	102 59 45	96 20.2 32	88 45 24	88 -6 19	81 0.2 28	119 -19.2 46	122 -10.2 27	104 35.9 53	84 2 24	91 14 23	90 -0.06 20	97 -0.13 18	107 1.01 18
H 220164 291416832 H22164			SZ 170013 HDH 160173	129 68	80 68	78 52	132 18	116 43	93 54	66 20	84 47	69 16	122 -0.79 72	113 -0.56 54	75 -4 18	80 3.4 68	78 -5.9 52	68 -24 46	80 7.4 30	71 -29 22	71 14 17	73 -4.3 24	120 -19.7 56	106 -7.1 22	105 36.7 52	67 -8 21	73 -5 21	79 -0.92 17	106 0.95 16	115 1.60 16
H 220165 291416840 H22165			SZ 170013 HDH 130149	103 68	91 69	92 59	121 17	128 47	103 56	78 21	95 49	80 16	99 1.20 72	112 -0.53 54	81 1 17	91 9.9 69	92 -1.6 59	91 33 48	89 14.8 42	84 28 22	84 0 18	82 0.8 24	132 -29.2 58	121 -10.1 30	100 32.9 54	81 1 22	87 10 21	90 -0.04 17	100 0.23 16	100 0.43 15
H 220167 291416865 H22167			HH 170028	116 51	91 47	128 40	89 29	119 35		90 35		105 30	117 -0.38 52	91 0.26 46	109 28 29	91 10.0 47	128 9.2 40	111 81 39	92 16.7 39	97 80 31	97 -16 34	119 20.9 36	115 -15.7 40	118 -9.4 21	105 36.2 44	100 12 37	97 0.51 32	121 2.84 29	144 3.96 28	
H 220171 291418119 H22171			HDH 160033	136 61	81 58	97 33	106 9	94 24	91 43			86 6	148 -2.98 65	146 -1.87 43	92 12 9	81 4.2 58	97 -0.3 33	81 8 33	69 -0.5 32	88 45 8	76 9 6	97 9.0 8	92 2.7 23	103 -6.3 14	94 28.7 36	95 9 8	90 14 8	97 0.54 7	99 0.05 6	90 -0.41 6
H 220177 291418176 H22177		1	HH 170028 HDH 180076	118 70	100 71	125 56	89 35	113 48	120 58	103 37	116 54	103 32	119 -0.49 74	93 0.20 55	110 28 35	100 14.8 71	125 8.2 56	116 93 54	102 24.3 52	108 129 34	114 -37 36	110 15.8 40	100 -3.7 62	123 -10.5 29	105 36.4 54	105 15 40	104 28 38	99 0.70 33	91 -0.91 30	117 1.78 29
H 220185 94874690 H22185			VV 180207 H 200059	93 70	114 66	100 46	86 17	94 45	105 53	106 28	103 48	113 30	88 2.11 73	119 -0.79 57	116 34 17	114 22.4 66	100 0.7 46	107 70 43	106 28.0 33	111 144 31	109 -30 20	107 14.1 36	83 9.7 57	98 -5.3 30	113 41.6 49	111 18 36	114 39 35	114 1.88 32	100 0.18 29	107 1.02 28

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ID Number Name																													
H 220191 94874682 H22191	5	VV 180207 H 200032	120 71	109 66	100 49	83 20	116 47	121 54	108 25	118 48	114 33	118 -0.41 74	134 -1.39 58	120 38 20	109 19.4 66	100 0.9 49	101 57 45	100 22.9 38	111 141 34	109 -31 13	112 16.7 38	98 -2.6 58	123 -10.5 33	115 43.2 51	113 20 38	115 40 37	109 1.47 34	109 1.42 32	105 0.81 31
H 220194 94786191 H22194		HDH 170171 HDH 190107	89 71	114 69	109 49	94 24	101 46	111 55	104 24	108 49	113 32	98 1.29 74	74 0.93 57	105 24 24	114 22.2 69	109 3.5 49	118 98 47	111 31.8 42	107 125 33	102 -22 11	132 27.8 37	94 1.2 59	104 -6.7 28	106 37.2 52	106 16 38	111 36 36	128 3.11 34	99 0.12 31	110 1.27 31
H 220195 94786209 H22195	7	HDH 190104 HDH 130084	80 52	113 68	109 59	92 14	109 36	111 50			108 12	84 2.53 53	92 0.26 49	106 25 14	113 22.0 68	109 3.3 59	116 94 47	111 31.8 29	106 119 21	100 -20 12	113 17.6 24	99 -3.3 37	111 -8.1 23	111 40.5 49	106 15 16	110 35 15	114 1.92 12	104 0.67 12	118 1.92 11
H 220197 94786225 H22197		HH 170028 HDH 120142	98 69	105 70	117 57	90 30	103 44	110 56	100 38	106 52	104 31	98 1.28 72	103 -0.17 55	108 27 30	105 17.2 70	117 6.0 57	115 90 52	104 26.3 42	105 117 35	113 -36 36	117 19.4 41	97 -1.7 50	109 -7.7 28	101 33.6 54	100 12 39	98 22 37	100 0.77 33	98 -0.05 29	122 2.18 29
H 220205 94874732 H22205		HDH 170171 HDH 190093	74 70	123 58	98 50	82 26	106 42	111 51	103 26	108 46	110 33	85 2.37 74	73 0.99 54	121 39 26	123 27.5 58	98 0.1 50	111 82 45	122 40.1 44	106 119 34	104 -24 15	122 22.3 38	112 -13.5 48	95 -4.9 27	105 36.2 52	102 13 38	109 34 37	120 2.45 34	99 0.01 32	106 0.93 31
H 220210 94786274 H22210		JH 160078 HDH 110163	106 53	93 52	117 48	100 19	97 31	99 43	89 20	94 38	95 31	108 0.39 54	90 0.33 47	97 16 19	93 10.8 52	117 6.0 48	108 75 40	87 13.0 28	92 63 22	77 7 17	98 9.1 37	100 -4.0 25	100 -5.8 17	92 27.6 50	102 13 24	101 26 23	105 1.16 32	105 0.82 30	107 0.96 29
H 220240 291408656 H22240		HH 170028 HDH 170119	102 53	93 57	116 51	98 30	86 43	92 48	96 36	89 46	95 30	104 0.78 55	93 0.20 46	100 19 30	93 10.8 57	116 5.7 51	106 70 46	95 19.7 42	100 94 34	111 -33 35	108 14.6 39	91 3.4 50	84 -2.5 28	98 31.7 52	92 7 38	90 14 37	89 -0.14 32	94 -0.52 29	121 2.11 28
H 230007 95445953 H23007		H 200016 JO 200009	115 53	108 58	88 45	96 19	104 34	110 45	94 20	105 40	99 23	108 0.41 56	118 -0.77 40	104 23 19	108 19.0 58	88 -3.0 45	95 43 41	108 29.4 26	97 82 24	95 -14 12	93 6.4 27	97 -1.6 40	106 -7.0 17	109 39.2 45	95 9 28	103 28 27	111 1.66 24	102 0.47 22	114 1.57 21
H 230009 95247631 H23009	1	H 200016 H 200111	106 53	105 55	82 44	101 19	106 35	102 44			98 19	101 1.03 56	116 -0.69 39	98 18 19	105 17.5 55	82 -4.9 44	90 29 39	103 25.6 24	94 68 20	94 -12 8	100 10.2 23	97 -1.2 44	109 -7.6 17	111 40.4 45	96 10 23	101 25 22	105 1.16 20	98 -0.04 18	108 1.05 18
H 230013 95323101 H23013	1	JH 190072 HDH 170137	95 66	91 58	80 48	119 21	107 39	85 49	84 30	81 45	80 36	99 1.16 71	89 0.37 46	82 3 21	91 9.8 58	80 -5.2 48	80 5 42	92 17.2 37	87 38 37	82 1 20	81 0.3 41	112 -13.1 41	104 -6.7 26	95 29.5 50	70 -6 41	82 5 40	78 -1.04 37	89 -1.21 35	80 -1.20 34
H 230016 95324653 H23016		JH 190072 HDH 190071	92 69	92 71	81 56	99 34	110 45	82 57	99 30	81 52	90 36	93 1.71 73	99 -0.04 52	102 21 34	92 10.1 71	81 -5.0 56	75 -5 54	93 17.5 40	99 91 37	95 -14 20	87 3.4 41	118 -17.8 59	100 -5.8 24	99 32.5 51	86 4 41	95 19 40	88 -0.23 37	83 -1.96 34	80 -1.23 33
H 230017 95324661 H23017	1	JH 190072 HDH 190029	89 68	105 67	85 46	107 21	101 44	95 53	104 30	93 48	94 36	89 2.06 73	131 -1.27 50	92 12 21	105 17.5 67	85 -3.9 46	94 40 45	101 23.6 34	103 110 36	96 -15 20	93 6.8 40	101 -4.4 59	103 -6.4 24	96 30.6 50	88 5 41	97 22 39	94 0.26 37	79 -2.52 34	69 -2.12 33

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ID Number Name																														
H 230018 95324679 H23018		JH 190072 HDH 140060		110 69	85 69	93 50	106 20	90 43	81 54	90 30	79 49	88 36	111 0.18 73	95 0.11 53	92 12 20	85 6.6 69	93 -1.3 50	82 11 46	85 11.8 36	91 57 36	86 -3 20	91 5.4 40	96 -0.8 56	85 -2.7 22	100 32.9 52	79 0 41	89 12 39	86 -0.36 37	93 -0.68 34	95 0.01 33
H 230019 95334330 H23019		JH 190072 HDH 140132		105 69	98 68	82 49	107 19	102 45	94 54	94 30	91 49	88 35	108 0.41 73	147 -1.87 53	92 12 19	98 13.8 68	82 -4.9 49	85 18 45	97 20.6 38	94 71 36	91 -10 20	85 2.0 41	101 -4.9 59	102 -6.3 26	102 34.2 50	82 1 40	91 15 39	89 -0.14 36	83 -1.99 34	76 -1.52 33
H 230020 95334348 H23020	1	JH 190072 H 200213		85 64	114 66	83 45	89 22	91 38	95 51	112 32	95 47	108 40	86 2.35 69	132 -1.30 42	113 32 22	114 22.6 66	83 -4.4 45	95 41 44	108 29.7 38	110 140 41	103 -24 20	95 7.5 46	94 1.2 45	90 -3.8 23	98 31.8 47	104 14 46	115 40 44	110 1.61 42	79 -2.49 39	83 -0.92 38
H 230026 95388781 H23026		JH 190072 HDH 140202		90 54	96 68	94 51	104 20	107 41	90 51	87 28	86 46	86 35	92 1.81 56	97 0.04 45	95 14 20	96 12.3 68	94 -1.2 51	92 34 46	93 17.7 32	88 45 35	76 8 19	90 5.1 39	113 -14.5 55	99 -5.7 19	98 31.9 48	80 0 40	87 11 38	87 -0.33 36	94 -0.60 34	85 -0.83 33
H 230029 95388807 H23029		JH 190072 H 200014		100 53	101 68	86 50	99 21	108 38	98 50	98 30	95 46	92 36	96 1.43 56	113 -0.59 42	100 20 21	101 15.2 68	86 -3.4 50	89 28 46	102 24.5 38	99 89 37	96 -16 20	88 3.9 41	113 -14.5 43	102 -6.2 24	100 32.9 48	87 4 41	96 20 39	93 0.19 37	86 -1.66 34	84 -0.87 33
H 230031 95388823 H23031	1	JH 190072 HDH 180159		84 55	121 70	88 47	95 22	96 40	107 51	113 32	106 47	108 36	65 4.15 59	103 -0.20 40	106 25 22	121 26.1 70	88 -3.0 47	107 70 46	116 35.9 36	112 147 38	104 -24 22	104 12.6 42	94 0.8 45	103 -6.4 26	95 29.5 48	98 11 42	110 35 41	103 1.02 38	90 -1.12 35	84 -0.86 34
H 230039 95444402 H23039		JH 190072 HDH 130056		89 67	91 69	91 51	112 19	105 37	85 53	84 29	81 48	83 35	93 1.75 72	93 0.22 47	87 7 19	91 9.8 69	91 -2.0 51	88 25 46	90 15.6 34	85 32 36	79 5 19	83 1.2 40	113 -14.2 41	97 -5.1 22	100 32.9 49	72 -5 40	84 8 39	79 -0.93 36	98 -0.09 34	94 -0.10 33
H 230042 95469714 H23042		HDH 170171 JO 200142		140 66	98 68	99 49	85 22	93 45	108 54	107 30	106 49	108 36	134 -1.78 71	108 -0.38 47	117 35 22	98 13.6 68	99 0.4 49	91 33 46	91 15.9 43	109 134 37	102 -23 20	126 24.4 41	98 -2.0 58	88 -3.4 25	100 33.1 53	96 10 42	108 33 40	129 3.14 37	81 -2.25 34	110 1.21 34
H 230044 95469730 H23044		H 200028 HDH 120173		72 63	103 67	130 59	95 15	115 39	108 53			98 20	86 2.33 68	66 1.24 44	101 20 15	103 16.4 67	130 9.9 59	127 119 47	101 24.1 20	93 65 20	84 -1 7	105 13.3 21	110 -11.7 53	116 -9.0 17	105 36.3 46	102 13 21	100 25 21	100 0.77 20	121 2.85 19	111 1.30 18
H 230046 95469755 H23046		H 200028 HDH 150186		101 66	91 65	130 49	102 15	112 38	107 51			90 20	107 0.49 70	81 0.65 52	94 14 15	91 9.5 65	130 10.0 49	118 99 43	90 15.2 20	87 42 20	79 5 7	100 10.2 21	109 -10.8 53	112 -8.3 17	103 34.8 45	95 9 21	94 18 21	93 0.15 20	120 2.77 19	109 1.15 18
H 230051 95485108 H23051		H 200028 HDH 160138		87 67	98 67	115 58	100 17	120 41	106 54			89 20	97 1.33 71	71 1.04 53	97 17 17	98 13.7 67	115 5.4 58	112 82 47	100 23.0 26	85 32 22	82 1 8	94 7.0 24	118 -17.8 55	113 -8.4 21	111 40.4 47	89 5 23	90 14 23	91 0.04 21	121 2.95 19	121 2.12 19
H 230055 95500567 H23055	1	HDH 170171 HDH 170146		100 66	118 68	105 50	87 21	113 48	124 54	112 25	121 48	116 32	107 0.50 71	77 0.82 47	113 32 21	118 24.5 68	105 2.4 50	115 92 46	115 34.9 40	115 159 34	108 -29 13	129 26.1 39	112 -13.6 60	114 -8.8 29	96 30.3 54	113 20 38	119 45 37	131 3.33 34	92 -0.88 31	104 0.77 30

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ID Number Name																														
H 230057 95510756 H23057	1	H 200028 HDH 160056	114 65	97 65	105 49	117 21	92 44	103 52			82 20	108 0.41	115 -0.66	82 2	97 12.8	105 2.2	107 72		92 17.3	84 27	86 -4	88 4.1	87 6.2	93 -4.4	108 38.7	82 1	86 9	80 -0.87	111 1.63	99 0.38
H 230062 95534558 H23062	2	HDH 190025 HDH 190130	84 67	109 69	102 55	107 33	89 41	99 55	99 20	96 48	102 23	82 2.63	102 -0.15	91 11	109 19.9	102 1.4	114 88		106 27.7	100 96	104 -24	101 11.0	80 11.8	98 -5.4	103 35.1	105 15	107 32	106 1.30	98 -0.04	110 1.26
H 230064 95553988 H23064		H 200016 HDH 190047	92 69	124 70	103 56	85 33	95 43	117 56			118 22	88 2.12	115 -0.67	116 35	124 27.7	103 1.6	117 96		119 37.8	112 145	105 -25	124 23.5	91 3.1	95 -4.8	108 38.4	114 20	121 47	129 3.13	96 -0.34	108 1.10
H 230065 95580973 H23065		H 200016 HDH 170134	99 70	123 72	95 59	69 31	118 44	124 58			115 16	97 1.40	127 -1.11	140 58	123 27.5	95 -0.8	103 61		118 36.8	111 143	107 -28	111 16.5	106 -8.9	122 -10.3	112 40.9	117 22	122 48	124 2.78	96 -0.30	109 1.18
H 230067 95554002 H23067		H 200016 HDH 190070	95 69	115 72	99 58	90 18	137 43	127 56			112 17	99 1.18	147 -1.87	111 30	115 22.9	99 0.5	109 75		112 32.7	110 136	106 -27	105 13.3	126 -24.6	137 -13.3	112 41.4	114 20	119 45	114 1.96	97 -0.14	112 1.39
H 230068 95554010 H23068	2	H 200016 HDH 170139	117 67	106 71	101 50	97 19	101 44	112 55			98 18	110 0.24	119 -0.79	102 21	106 17.7	101 1.0	105 65		104 26.6	98 89	102 -23	96 8.1	94 1.1	107 -7.3	103 35.1	96 9	105 30	101 0.89	95 -0.41	101 0.52
H 230069 95554028 H23069	2	H 200016 HDH 170167	86 67	111 70	105 47	93 18	112 38	111 53			105 18	90 2.00	94 0.16	106 25	111 20.8	105 2.2	112 83		110 31.2	102 102	103 -23	102 11.6	103 -6.0	118 -9.5	105 36.7	102 13	110 35	107 1.38	99 0.12	106 0.89
H 230072 95580999 H23072		H 200016 HDH 170158	85 67	121 71	98 51	91 22	109 39	116 54			114 17	86 2.36	133 -1.33	109 28	121 26.2	98 0.2	114 89		119 37.7	112 145	109 -30	109 15.3	94 1.2	118 -9.4	110 40.0	115 21	119 45	118 2.26	95 -0.48	107 0.99
H 230079 95610556 H23079	1	RD 190041 H 200219	86 60	102 62	107 40	105 15	108 31	102 46			92 16	86 2.29	105 -0.26	92 12	102 16.0	107 2.8	111 80		100 22.8	95 75	96 -16	96 8.0	110 -11.7	102 -6.1	104 35.9	92 7	99 23	103 1.05	85 -1.67	100 0.46
H 230081 95610572 H23081	1	RD 190041 H 200211	110 65	90 67	118 53	130 30	112 40	110 53			83 21	106 0.63	111 -0.50	74 -5	90 9.3	118 6.2	116 93		87 12.9	86 33	86 -3	84 1.9	114 -15.3	104 -6.5	107 37.5	84 2	91 15	94 0.26	89 -1.17	102 0.56
H 230092 99032070 H 230092		RD 190041	109 39	80 40	115 28	110 12	121 23				82 12	111 0.18	92 0.25	87 7	80 4.0	115 5.3	98 50		79 6.7	75 -12	67 19	92 5.9	127 -25.3	110 -7.8	104 35.7	79 -1	84 7	90 -0.04	115 2.13	135 3.25
H 230093 95674594 H23093		SP 190088 HDH 160077	79 63	102 67	99 46	106 15	110 35	97 50			86 14	82 2.69	87 0.42	92 12	102 15.9	99 0.4	104 63		104 26.6	90 52	92 -10	84 1.9	116 -16.6	102 -6.2	100 33.0	82 1	86 9	78 -1.01	108 1.23	97 0.15

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ID Number Name																														
H 230096		HDH 190025	89	92	102	105	92	83			91	98	75	93	92	102	96		91	92	93	92	100	88	94	95	97	93	103	106
95674628		HDH 170031	51	65	45	17	37	47			20	1.25	0.90	13	10.3	1.3	44		16.4	62	-12	6.0	-3.8	-3.3	29.0	9	21	0.18	0.53	0.88
H23096												53	42	17	65	45	42		28	22	13	24	40	23	47	24	23	21	20	19
H 230098	1	HDH 190025	138	88	80	118	93	94	82	88	81	130	115	83	88	80	76		87	83	90	81	79	113	97	78	83	84	101	105
95674644		HDH 180129	64	67	45	17	41	51	21	45	20	-1.46	-0.64	3	7.8	-5.2	-4		12.7	21	-8	0.2	13.0	-8.4	30.9	-1	6	-0.53	0.39	0.87
H23098												70	41	17	67	45	43		30	24	16	26	53	23	48	26	26	21	19	19
H 230099		H 200016	112	104	86	101	122	112			96	107	126	99	104	86	92		101	98	97	96	122	111	114	96	100	103	91	94
95674651		HDH 140014	61	70	52	19	45	54			17	0.48	-1.06	18	17.0	-3.4	36		23.6	84	-16	8.2	-21.2	-8.0	42.4	10	25	1.00	-0.99	-0.05
H23099												63	54	19	70	52	47		26	18	9	21	60	24	50	21	20	18	16	15
H 230100		H 200016	132	98	83	96	103	104			102	126	111	105	98	83	82		98	102	100	98	97	99	114	103	109	108	92	104
95674669		HDH 190028	67	69	48	20	43	54			18	-1.11	-0.50	24	13.8	-4.5	11		21.8	104	-20	9.2	-1.6	-5.6	42.3	14	34	1.41	-0.81	0.76
H23100												73	45	20	69	48	46		26	20	10	25	59	22	49	23	22	19	17	17
H 230102		HDH 190025	141	88	97	106	100	103			89	135	105	93	88	97	87		85	89	90	89	98	112	87	89	93	93	104	110
96788807		HDH 190009	63	65	41	16	32	48			20	-1.90	-0.26	13	7.9	-0.3	23		11.6	47	-8	4.2	-2.3	-8.2	24.0	5	17	0.20	0.74	1.21
H23102												70	36	16	65	41	41		26	23	13	25	31	18	46	25	24	21	19	19
H 230103		SP 190088	81	120	109	95	111	120			109	66	93	104	120	109	125		118	108	99	106	114	106	103	105	108	101	114	106
95683504		HDH 160047	64	67	49	17	36	51			14	4.05	0.19	23	25.8	3.6	114		37.0	127	-19	13.8	-14.7	-7.0	35.1	15	33	0.89	1.99	0.93
H23103												70	42	17	67	49	44		20	16	15	18	39	22	47	19	18	15	13	13
H 230105		SP 190088	123	97	117	93	111	117			96	115	118	105	97	117	109		100	94	92	93	120	100	100	96	97	91	115	106
95683520		HDH 120163	64	68	50	13	37	51			12	-0.19	-0.77	24	13.2	6.0	77		22.9	71	-11	6.8	-19.8	-5.8	33.2	9	21	0.01	2.14	0.94
H23105												70	41	13	68	50	44		22	18	15	20	40	23	47	18	18	13	12	12
H 230106		H 200016	89	110	88	93	100	99			106	89	108	108	110	88	96		107	105	101	105	91	103	110	108	111	110	98	101
95693180		HDH 180249	69	70	49	17	42	54			16	2.09	-0.37	27	20.3	-2.9	46		28.3	116	-21	13.0	3.6	-6.4	39.8	17	37	1.62	-0.09	0.53
H23106												74	51	17	70	49	45		20	18	9	21	58	20	48	21	20	17	15	15
H 230108		H 200016	105	120	87	84	98	113	113	112	117	106	139	120	120	87	101		116	113	109	117	97	93	109	113	119	121	98	104
95693206		HDH 180040	65	70	48	21	40	53	20	46	23	0.62	-1.56	38	25.7	-3.1	56		35.5	149	-31	19.9	-1.1	-4.3	39.2	20	45	2.47	-0.11	0.77
H23108												71	43	21	70	48	46		30	24	13	28	48	25	48	28	27	24	22	22
H 230109		H 200016	104	113	103	85	125	124			111	98	117	116	113	103	108		108	108	102	110	112	129	111	113	118	119	101	108
95693214		HDH 120143	69	69	51	18	43	54			16	1.25	-0.74	35	21.7	1.7	73		29.6	127	-22	16.0	-13.8	-11.7	40.2	20	44	2.32	0.27	1.08
H23109												73	52	18	69	51	46		26	19	9	22	59	22	49	21	20	17	15	14
H 230112		JH 190072	90	107	103	116	118	114	105	111	101	90	107	83	107	103	115		106	104	96	98	123	108	103	94	105	102	80	77
95711537		H 210011	66	67	56	34	43	55	30	50	36	2.00	-0.36	3	18.5	1.6	92		27.7	114	-16	9.3	-22.4	-7.4	35.2	8	30	0.95	-2.42	-1.46
H23112												70	49	34	67	56	52		36	36	20	40	59	22	49	41	39	37	34	34
H 230113		HH 170028	128	91	140	87	105	117	98	113	106	123	106	110	91	140	120		90	103	104	120	94	117	101	107	102	102	104	123
95711545		HDH 120215	67	69	56	29	44	56	35	52	30	-0.91	-0.29	29	9.6	12.9	102		15.2	109	-25	21.3	0.9	-9.3	33.9	16	27	0.90	0.66	2.27
H23113												71	50	29	69	56	51		39	31	34	36	57	22	52	37	35	32	29	28

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ID Number																															Name
H 230114	1	JH 190072		95	104	91	101	100	97	107	96	103	92	115	98	104	91	96		103	106	102	96	103	94	105	93	104	90	101	83
95748273		H 200043		66	67	48	25	41	53	32	49	40	1.82	-0.63	18	16.9	-2.1	44		25.3	120	-22	8.1	-5.8	-4.6	36.4	8	29	-0.07	0.35	-0.98
H23114													71	45	25	67	48	47		39	40	21	45	48	27	48	45	44	42	39	38
H 230120	3	H 200028		108	94	120	97	117	111			93	109	95	100	94	120	111	97	89	89	95	119	109	105	93	95	92	121	118	
95748307		HDH 100076		49	65	49	16	42	48			20	0.36	0.13	19	11.6	6.9	81		20.9	48	-6	7.5	-18.7	-7.6	36.4	8	19	0.10	2.86	1.89
H23120													50	43	16	65	49	43		28	22	8	24	56	23	48	23	22	20	19	19
H 230121		HH 170028		111	98	111	87	116	111	98	107	102	111	97	113	98	111	102	101	102	112	103	114	115	104	102	94	84	107	114	
95766812		HDH 110068		68	70	57	33	49	57	41	54	36	0.14	0.05	31	13.7	4.0	59		24.2	105	-34	11.8	-14.9	-8.8	35.7	13	18	-0.56	1.06	1.59
H23121													72	51	33	70	57	53		44	38	40	43	63	30	55	43	42	37	34	33
H 230122		SP 190088		81	115	93	96	113	108			101	77	92	104	115	93	106	112	100	94	99	115	108	101	96	99	95	114	105	
95766820		HDH 160094		64	66	45	17	36	50			14	3.11	0.24	23	23.0	-1.5	69		32.4	95	-12	10.1	-15.9	-7.5	33.4	10	23	0.35	1.96	0.80
H23122													70	41	17	66	45	43		20	16	15	18	39	23	46	19	18	15	13	13
H 230124		HH 170028		133	84	125	83	107	106	88	100	93	128	103	118	84	125	99	84	93	97	110	104	108	101	94	89	90	103	120	
95766846		HDH 140188		69	68	60	42	43	57	35	53	30	-1.34	-0.18	36	6.1	8.2	52		10.7	64	-16	15.6	-6.7	-7.5	34.0	9	13	-0.02	0.55	2.04
H23124													72	55	42	68	60	57		39	31	34	36	58	21	51	37	35	32	29	28
H 230128		HH 170028		87	107	139	92	120	124	103	119	107	95	79	105	107	139	136	109	109	116	116	117	122	99	107	105	100	95	113	
95836607		HDH 150050		56	70	56	32	45	54	36	50	32	1.53	0.74	24	18.7	12.5	142		29.8	134	-39	19.1	-17.0	-10.3	32.4	16	30	0.78	-0.42	1.48
H23128													58	50	32	70	56	53		41	33	35	39	52	29	55	39	37	33	30	29
H 230133		HH 170028		142	92	122	93	90	112	98	107	101	134	124	104	92	122	108	93	102	114	113	85	93	105	96	96	92	100	127	
95877163		HDH 130128		68	70	56	30	47	57	38	53	32	-1.85	-1.01	24	10.3	7.3	74		17.9	105	-37	17.3	7.9	-4.4	36.2	9	20	0.08	0.24	2.59
H23133													72	51	30	70	56	52		44	36	36	42	61	27	54	39	37	33	30	29
H 230135		SP 190088		77	119	100	91	100	107			104	63	81	109	119	100	114	116	103	101	104	111	89	97	101	103	99	111	109	
95877155		HDH 170075		63	68	46	14	37	51			14	4.26	0.68	27	24.9	0.8	87		35.5	108	-22	12.6	-13.0	-3.4	31.0	13	27	0.71	1.63	1.12
H23135													69	40	14	68	46	43		22	19	15	21	40	24	47	19	19	15	13	13
H 230136		JH 190072		84	104	93	100	109	97	95	94	91	87	100	99	104	93	98	104	95	86	96	113	98	106	86	94	90	90	79	
95924551		H 210038		54	68	47	24	36	50	28	46	35	2.27	-0.06	18	16.8	-1.3	49		26.5	74	-4	8.2	-14.4	-5.5	37.1	4	18	-0.02	-1.06	-1.24
H23136													58	38	24	68	47	46		34	35	19	42	44	21	44	40	38	36	34	33
H 230138	1	JH 190072		87	109	95	103	110	106	107	104	103	81	110	95	109	95	106	109	106	102	98	108	104	111	95	106	95	98	85	
95924734		H 200026		61	68	51	30	45	54	32	50	40	2.76	-0.46	15	19.7	-0.8	68		29.9	123	-22	9.4	-10.1	-6.6	40.2	9	31	0.38	-0.11	-0.81
H23138													63	52	30	68	51	50		39	40	21	45	60	26	49	45	44	41	38	38
H 230139		SP 190088		72	110	119	95	110	109			100	80	65	103	110	119	124	112	97	92	99	110	110	100	95	99	92	118	109	
95924742		HDH 150134		50	67	48	15	36	48			16	2.82	1.28	22	20.2	6.5	111		32.7	82	-10	9.7	-12.1	-7.8	32.8	9	23	0.13	2.56	1.15
H23139													52	40	15	67	48	43		21	19	15	20	39	23	47	20	20	16	15	14
H 230143		SP 190088		107	95	91	104	123	104			85	108	95	95	95	91	89	96	81	77	86	131	108	103	79	82	81	123	121	
95963179		HDH 160173		50	68	49	15	32	48			14	0.39	0.13	15	12.1	-1.9	29		20.4	13	8	2.7	-28.7	-7.5	35.0	-1	5	-0.79	3.21	2.15
H23143													53	39	15	68	49	44		20	18	15	20	32	18	46	19	18	14	13	13

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Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
H 230144 95963187 H23144	4	DJW 180053 H 210010	81 53	132 67	100 48	93 29	116 39	131 50	119 30	129 46	124 45	79 2.96 56	94 0.17 42	106 25 29	132 32.3 67	100 0.7 48	127 119 48	127 44.3 46	122 188 44	119 -42 13	96 8.3 47	106 -8.9 47	124 -10.7 22	101 33.8 49	110 18 48	122 48 47	148 4.73 46	84 -1.84 44	107 1.02 44
H 230145 95963195 H23145		JH 190072 H 210033	100 55	105 68	90 47	120 30	109 38	107 51	98 29	104 47	90 35	96 1.47 59	120 -0.86 39	81 2 30	105 17.3 68	90 -2.3 47	103 61 48	105 26.9 34	97 84 35	93 -12 19	93 6.5 42	116 -16.4 45	97 -5.1 22	106 37.1 46	84 3 40	94 18 38	86 -0.38 36	86 -1.56 34	75 -1.58 33
H 230146 95981510 H23146		SP 190088 HDH 130106	76 63	120 67	107 49	89 15	110 36	116 51			108 14	73 3.45 69	80 0.72 40	111 29 15	120 25.8 67	107 2.9 49	120 102 44	118 36.8 24	105 116 20	99 -18 16	104 12.8 22	110 -12.1 38	113 -8.5 24	93 28.2 47	106 16 20	109 34 20	104 1.06 14	116 2.31 13	110 1.20 13
H 230147 95981528 H23147		SP 190088 HDH 130110	85 63	99 66	103 48	101 12	114 27	99 49			90 12	96 1.48 69	72 1.00 38	97 16 12	99 14.3 66	103 1.7 48	103 61 42	99 22.4 16	85 33 15	75 9 14	94 7.3 16	120 -20.1 24	107 -7.2 14	97 30.6 43	88 5 17	88 12 16	86 -0.36 13	122 3.02 12	110 1.22 12
H 230150 95993044 H23150		SP 190088 HDH 170021	78 63	123 66	112 44	90 14	106 36	120 50			112 14	63 4.26 69	85 0.52 40	110 28 14	123 27.4 66	112 4.2 44	126 118 41	122 39.9 18	112 146 16	105 -26 15	107 14.4 18	110 -11.7 39	105 -6.9 24	95 29.5 46	108 17 18	111 37 18	101 0.88 14	114 1.97 13	106 0.88 13
H 230152 96043153 H23152	7	SP 190088 HDH 110013	97 64	102 67	92 47	101 20	110 39	101 52	89 26	96 47	93 22	99 1.16 70	95 0.12 42	98 18 20	102 15.6 67	92 -1.6 47	95 43 45	104 26.3 25	91 56 26	88 -6 25	84 1.7 28	118 -17.8 41	103 -6.5 27	97 30.8 48	91 7 28	88 12 28	74 -1.36 23	126 3.56 21	102 0.63 21
H 230160 96116553 H23160	2	DJW 180053 H 210021	84 56	117 68	86 47	104 27	106 44	108 52	107 31	106 48	104 45	79 2.89 60	102 -0.17 41	96 15 27	117 24.3 68	86 -3.5 47	106 69 47	114 34.0 47	110 138 45	113 -35 15	79 -0.9 47	93 2.1 60	118 -9.6 21	102 34.5 50	91 7 48	102 27 47	130 3.26 46	82 -2.14 44	101 0.55 44
H 230165 96126370 H23165		H 200016 HDH 180062	143 65	86 69	80 45	113 23	108 33	99 51			80 16	145 -2.77 70	135 -1.43 43	87 7 23	86 6.8 69	80 -5.2 45	73 -12 46	83 9.8 22	80 11 17	80 4 7	85 2.3 20	108 -10.4 38	106 -7.0 18	103 34.8 44	81 1 20	85 8 19	90 -0.03 17	96 -0.31 15	98 0.28 14
H 230172 96166848 H23172	2	H 200016 HDH 170005	136 67	100 70	100 50	97 18	116 37	120 53			99 18	129 -1.40 72	109 -0.43 46	102 21 18	100 14.6 70	100 0.6 50	98 50 46	99 22.5 25	96 76 20	97 -17 9	97 8.8 23	110 -11.7 43	114 -8.6 19	109 39.4 48	94 8 23	104 28 22	101 0.89 19	102 0.46 17	111 1.33 17
H 230174 96166863 H23174		H 200016 HDH 130407	145 68	87 68	83 48	106 15	126 39	109 52			85 16	145 -2.73 72	130 -1.22 51	94 14 15	87 7.3 68	83 -4.3 48	75 -7 44	82 9.2 19	81 13 16	76 9 6	92 5.8 19	128 -25.7 55	118 -9.5 15	106 36.9 47	86 3 19	89 12 18	94 0.31 16	103 0.61 15	106 0.93 14
H 230175 96166871 H23175		H 200016 HDH 190060	125 67	94 70	97 48	103 24	114 38	108 53			95 17	122 -0.79 73	135 -1.42 45	95 15 24	94 11.3 70	97 -0.1 48	93 37 47	93 17.4 29	94 72 19	92 -11 9	93 6.8 22	108 -10.2 46	116 -9.0 22	106 36.9 47	98 11 22	101 26 21	101 0.89 18	96 -0.26 16	105 0.85 15
H 230176 96166889 H23176		H 200016 HDH 140068	133 65	101 70	86 51	93 19	105 44	109 54			95 16	125 -1.07 71	122 -0.93 42	108 27 19	101 15.4 70	86 -3.5 51	87 22 47	96 20.1 22	93 66 19	94 -13 8	98 9.6 22	98 -2.5 59	105 -6.7 22	110 39.7 51	96 10 21	100 24 20	104 1.08 17	95 -0.48 15	104 0.79 15

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Index EBV Acc	% Inbreeding	Sire ID Dam ID	ID Number Name	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling	
H 230179 96166913 H23179		H 200016 HDH 130097		120 66	100 68	96 48	94 16	116 39	111 52			94 16	119 -0.51 71	139 -1.57 44	105 24 16	100 14.5 68	96 -0.6 48	94 39 44		99 22.6 25	92 62 19	94 -13 8	93 6.8 22	116 -16.2 45	112 -8.3 23	105 36.2 48	96 10 21	100 24 20	102 0.97 17	96 -0.33 15	103 0.67 14
H 230183 96217443 H23183	13	H 200016 HDH 190105		114 69	107 54	90 44	96 19	122 34	117 46			102 18	109 0.34 73	112 -0.55 51	104 23 19	107 18.6 54	90 -2.2 44	97 46 39		106 27.7 24	93 67 18	91 -9 9	101 11.1 22	116 -16.4 39	115 -8.8 17	118 44.9 46	95 9 22	105 30 20	108 1.43 18	104 0.74 17	123 2.30 16
H 230197 96303201 H23197		H 200016 HDH 140184		104 56	99 55	93 49	105 18	113 32	103 44			95 16	105 0.69 58	97 0.05 48	93 13 18	99 14.4 55	93 -1.4 49	95 43 41		97 20.5 18	90 51 16	83 0 6	100 10.6 19	107 -9.4 37	111 -8.1 13	110 39.8 46	97 10 19	99 24 18	104 1.06 16	104 0.71 15	109 1.12 14
H 230198 96316450 H23198	1	JH 190072 H 200039		87 56	107 67	77 48	118 33	95 40	93 51	101 32	91 47	96 40	86 2.36 60	111 -0.51 42	83 3 33	107 18.8 67	77 -6.3 48	93 37 49		105 27.1 39	99 90 40	97 -16 20	96 8.3 45	103 -6.4 47	84 -2.5 26	104 35.7 48	82 1 46	96 20 44	90 -0.04 42	95 -0.42 39	82 -1.06 38
H 230199 96316468 H23199		H 200016 HDH 120142		114 58	102 70	91 51	97 17	101 44	103 53			97 17	110 0.25 60	126 -1.09 51	103 22 17	102 15.7 70	91 -2.0 51	93 37 46		100 23.2 24	95 75 23	95 -14 11	101 10.8 26	92 2.9 59	106 -7.0 22	109 39.4 50	94 9 22	99 24 21	106 1.24 18	99 0.04 16	108 1.11 16
H 240009 96750047 H24009		RD 190041 HDH 100061		101 42	80 47	109 42	119 12	105 29	86 37			73 12	104 0.73 45	89 0.37 32	81 1 12	80 3.5 47	109 3.4 42	94 40 34		77 5.7 19	73 -20 15	68 18 11	84 1.7 17	109 -11.2 29	99 -5.7 14	101 33.8 44	76 -2 16	79 2 16	86 -0.36 13	97 -0.14 12	105 0.81 12
H 240011 97007207 H24011	1	JT 150001 H 210099		107 66	102 65	108 49	96 23	96 38	104 52	97 22	100 46	97 18	104 0.75 70	129 -1.19 49	103 22 23	102 15.5 65	108 3.0 49	106 69 46		100 22.9 37	98 87 21	102 -22 20	98 9.1 23	95 0.1 43	101 -5.9 23	97 30.9 48	102 13 23	98 22 22	92 0.14 19	103 0.52 18	111 1.31 17
H 240017 98700685 H24017	1	JT 150001 H 210156		84 66	110 65	103 50	96 19	101 36	103 51			107 12	87 2.22 70	141 -1.66 49	103 22 19	110 20.2 65	103 1.6 50	110 79 45		103 25.6 34	104 114 14	96 -15 11	102 11.6 15	96 -1.0 41	106 -7.0 21	100 32.7 47	115 21 15	110 35 15	103 1.00 12	111 1.67 11	107 0.99 11
H 240018 98778749 H24018	2	H 210020 HDH 190122		89 52	114 66	93 43	95 17	106 32	108 47			112 16	65 4.09 55	119 -0.82 40	105 24 17	114 22.4 66	93 -1.4 43	105 67 42		111 31.7 24	109 135 18	106 -27 13	106 13.7 19	102 -5.6 33	106 -7.0 19	106 37.2 43	113 20 19	111 36 19	104 1.09 16	109 1.35 15	109 1.19 15
H 240020 97007264 H24020		H 210020 H 200056		84 51	117 65	102 44	95 23	104 33	111 47	103 20	108 42	108 16	59 4.62 54	101 -0.11 38	104 23 23	117 24.0 65	102 1.2 44	115 91 44		113 33.4 21	108 129 18	104 -24 19	101 11.0 20	98 -2.1 36	100 -5.8 19	115 43.0 43	108 17 20	111 36 19	111 1.66 17	102 0.46 15	107 0.99 15
H 240022 97007280 H24022	1	RD 190041 H 200076		110 65	77 64	94 43	130 18	112 36	86 49			65 16	104 0.73 70	119 -0.82 43	75 -4 18	77 2.0 64	94 -1.2 43	79 4 42		71 0.8 38	74 -17 18	80 4 14	72 -4.9 20	122 -21.6 41	97 -5.1 22	104 35.5 45	63 -10 20	70 -8 19	75 -1.28 16	83 -1.99 15	88 -0.52 14
H 240023 97007298 H24023	1	VV 060027 H 210076		87 69	117 69	104 57	99 29	89 49	108 57	104 34	106 52	105 30	72 3.51 72	110 -0.47 55	99 18 29	117 24.2 69	104 1.8 57	119 100 52		112 32.7 45	105 116 36	103 -23 29	108 14.6 40	87 6.3 54	98 -5.5 36	93 28.1 57	112 19 40	109 35 39	100 0.74 32	86 -1.56 29	106 0.90 29

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ID Number Name																													
H 240026 97007322 H24026	1	JH 190072 H 210017	89 69	113 68	91 45	101 23	105 40	106 53	110 30	105 48	104 36	74 3.37 73	116 -0.68 51	98 17 23	113 22.0 68	91 -2.1 45	105 67 45	114 33.7 44	109 135 36	105 -26 20	94 7.4 40	100 -4.2 46	102 -6.3 25	109 39.4 48	94 9 41	106 31 39	96 0.42 37	85 -1.69 34	80 -1.19 34
H 240027 97007330 H24027		H 200016 H 200014	126 53	100 68	91 49	92 17	117 36	112 49			97 16	122 -0.74 56	130 -1.25 41	109 28 17	100 14.6 68	91 -2.1 49	89 27 45	100 23.3 27	96 78 20	100 -20 8	94 7.2 23	115 -15.6 43	112 -8.2 19	108 38.3 47	99 11 22	103 28 20	106 1.25 17	95 -0.39 15	107 1.00 15
H 240028 97007348 H24028		VV 060027 HDH 160125	91 58	99 70	102 60	102 32	106 48	97 55	84 30	91 50	85 28	92 1.83 58	103 -0.17 57	96 16 32	99 14.0 70	102 1.3 60	101 57 54	95 19.4 41	86 34 34	77 7 24	90 4.7 36	108 -10.4 53	105 -6.8 36	96 30.5 56	97 10 37	92 16 36	87 -0.28 29	90 -1.09 27	85 -0.76 26
H 240030 97007363 H24030	1	JH 190072 H 210019	94 65	108 68	93 46	102 23	100 39	102 52	109 30	101 48	103 36	90 2.01 71	119 -0.79 43	97 17 23	108 19.3 68	93 -1.4 46	102 60 46	106 28.0 44	108 131 36	101 -21 20	96 8.5 40	98 -2.5 46	98 -5.3 25	106 36.9 46	96 10 41	106 31 39	98 0.63 37	84 -1.82 34	79 -1.29 33
H 240031 97007371 H24031		H 200016 H 200032	131 67	104 68	97 49	89 23	123 39	123 53			106 25	129 -1.34 72	137 -1.52 46	112 31 23	104 16.7 68	97 -0.2 49	96 45 47	102 24.3 40	101 99 26	102 -23 9	103 11.8 29	113 -14.2 48	121 -10.1 23	115 43.3 47	104 14 29	111 36 28	108 1.45 26	108 1.22 24	108 1.09 23
H 240039 97052757 H24039	1	H 200016 H 200111	98 63	92 66	89 44	115 19	107 35	90 50			80 19	95 1.53 69	112 -0.55 39	84 4 19	92 10.2 66	89 -2.5 44	88 25 43	94 18.4 24	79 4 20	82 1 8	85 2.1 23	102 -5.1 44	105 -6.8 17	110 39.8 45	78 -1 23	83 6 22	88 -0.20 20	97 -0.21 18	104 0.72 18
H 240041 97088751 H24041		H 200016 JO 200009	101 65	116 70	87 46	94 19	104 34	112 52	97 20	107 46	102 23	96 1.47 71	120 -0.83 40	106 25 19	116 23.7 70	87 -3.3 46	102 58 45	115 34.9 26	100 93 24	97 -16 12	95 7.8 27	96 -0.4 40	107 -7.3 17	108 38.6 45	98 11 28	106 31 27	114 1.89 24	102 0.50 22	115 1.62 21
H 240049 97135800 H24049	1	JH 190072 H 210121	86 64	110 68	91 47	96 23	101 39	100 52	106 30	98 48	100 36	81 2.71 69	109 -0.42 42	104 23 23	110 20.2 68	91 -2.1 47	100 54 46	104 26.4 38	107 124 36	100 -20 21	98 9.3 41	97 -1.6 46	107 -7.2 25	100 32.7 47	91 7 41	103 27 40	98 0.57 37	85 -1.67 34	79 -1.30 34
H 240051 97135818 H24051	1	H 200016 H 200077	89 65	123 66	97 43	84 21	104 38	117 51			114 18	85 2.38 71	121 -0.87 42	118 36 21	123 27.4 66	97 -0.1 43	112 83 43	117 36.0 26	111 144 19	109 -31 10	111 16.2 22	94 1.0 46	110 -7.8 21	107 38.1 46	110 18 22	118 44 21	116 2.13 19	96 -0.37 17	104 0.76 17
H 240054 97135842 H24054	1	H 200016 JO 200142	115 65	97 69	99 48	91 22	105 37	102 52	99 23	99 46	98 24	112 0.06 71	132 -1.30 43	109 28 22	97 13.2 69	99 0.5 48	93 38 46	92 17.3 29	101 99 25	98 -18 18	98 9.5 28	104 -7.0 44	99 -5.6 20	108 38.4 46	92 8 29	103 28 28	110 1.58 25	80 -2.36 23	108 1.09 22
H 240056 98672447 H24056		H 200016 HDH 190030	96 67	109 69	90 49	100 26	113 39	108 54			104 18	93 1.67 73	111 -0.48 44	99 19 26	109 19.5 69	90 -2.4 49	99 52 48	107 28.4 26	103 110 20	99 -18 10	102 11.3 25	103 -5.9 47	116 -9.0 23	111 40.4 47	109 17 23	112 38 22	113 1.83 19	91 -0.95 17	101 0.53 17
H 240063 97170773 H24063		HH 190014 H 210071	100 63	103 63	98 46	106 25	121 38	111 50	90 24	105 45	96 27	101 1.07 68	100 -0.05 42	93 12 25	103 16.4 63	98 0.2 46	104 63 45	102 25.1 34	92 61 28	95 -14 19	98 9.2 31	120 -19.7 41	113 -8.4 26	109 39.4 46	91 7 31	96 20 30	91 0.01 28	114 2.00 26	123 2.30 26

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Inbreeding in red is high				Value <80				Value >120				Breeding values with an accuracy < 5% are not printed																		
Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID		Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																														
H 240070 97240428 H24070		H 200016 HDH 120002		115 67	107 69	101 51	88 16	116 36	118 53			105 16	111 0.13 72	127 -1.13 47	113 31 16	107 18.7 69	101 1.0 51	102 60 45	107 28.4 26	98 88 19	97 -17 8	102 11.7 22	114 -14.7 42	111 -8.1 19	108 38.3 48	104 14 21	109 34 20	110 1.56 17	105 0.86 15	119 2.00 14
H 240071 97245328 H24071		H 220007		101 56	74 58	109 35	129 17	93 25	77 43			64 7	102 0.90 62	97 0.05 31	75 -4 17	74 0.6 58	109 3.4 35	91 32 37	74 3.2 22	72 -23 10	66 20 7	78 -1.8 12	100 -4.0 29	96 -5.0 15	86 23.5 30	74 -3 9	69 -9 9	75 -1.27 7	96 -0.26 7	81 -1.14 6
H 240072 97245336 H24072		KVS 130164 HDH 140189		93 66	107 69	113 53	103 20	123 37	118 53	98 35	113 49	97 33	100 1.07 71	80 0.72 46	95 14 20	107 18.3 69	113 4.6 53	118 99 47	108 29.3 42	99 91 39	94 -13 29	114 18.1 42	120 -20.1 40	120 -9.9 22	104 35.6 49	101 13 44	94 18 43	90 -0.07 34	90 -1.15 32	102 0.59 31
H 240076 97247845 H24076		H 210034 H 210141		127 62	106 66	103 43	95 21	108 32	121 49			108 8	123 -0.87 69	131 -1.28 36	104 23 21	106 17.9 66	103 1.7 43	106 70 43	104 26.5 21	110 138 11	107 -28 8	108 14.6 19	102 -5.7 37	104 -6.7 18	114 42.7 41	111 18 11	111 36 10	109 1.52 8	99 0.04 7	100 0.47 7
H 240078 97247860 H24078		KVS 130164 HDH 120182		106 66	108 70	119 55	107 22	115 43	125 55	107 40	121 52	99 33	109 0.38 71	91 0.26 46	90 10 22	108 18.8 70	119 6.5 55	127 120 49	114 34.1 46	107 124 42	109 -31 34	118 20.2 45	108 -10.3 48	113 -8.4 26	111 40.7 54	101 13 47	96 21 46	87 -0.30 34	85 -1.77 32	97 0.19 31
H 240079 97247878 H24079	2	H 210034 H 210164		114 62	110 65	106 39	94 13	113 31	123 48			105 10	109 0.35 69	123 -0.98 32	104 24 13	110 20.0 65	106 2.5 39	112 83 39	111 31.9 20	105 118 13	106 -27 10	104 12.6 21	115 -15.5 37	104 -6.7 17	109 39.1 40	105 15 13	110 36 13	111 1.68 10	95 -0.48 9	104 0.73 9
H 240085 97274567 H24085		OLG 200013 HDH 170134		108 67	104 70	106 50	92 18	103 40	108 54	98 21	104 47	100 17	109 0.32 72	94 0.15 46	108 27 18	104 16.6 70	106 2.4 50	105 65 46	102 24.7 27	102 103 23	94 -13 17	103 11.9 26	98 -2.1 43	109 -7.6 27	101 34.0 49	112 19 24	110 36 24	109 1.53 18	98 -0.05 16	107 0.96 16
H 240086 97293146 H24086		OLG 200013 HDH 160012		116 66	94 53	105 46	104 17	86 40	95 47	100 22	93 42	99 20	114 -0.05 71	104 -0.21 45	94 14 17	94 11.3 53	105 2.2 46	100 54 39	95 19.3 26	103 108 23	98 -17 19	98 9.1 26	93 1.7 43	81 -1.8 27	99 32.0 49	109 18 26	106 31 25	94 0.31 20	104 0.71 19	101 0.49 18
H 240088 97296909 H24088		H 200016 H 220044		112 65	109 68	81 43	99 18	103 36	107 51			99 22	107 0.49 71	123 -0.96 39	102 21 18	109 19.5 68	81 -5.0 43	91 33 43	106 27.5 26	98 88 23	101 -21 9	105 13.2 26	104 -6.7 46	98 -5.3 19	107 38.0 44	93 8 27	101 26 25	109 1.48 23	92 -0.78 21	101 0.49 20
H 240090 97293179 H24090		H 210020 H 200059		84 63	126 65	101 43	90 17	99 33	118 49	107 20	115 43	113 16	54 5.08 69	101 -0.09 40	110 29 17	126 28.9 65	101 0.9 43	120 102 42	121 39.4 20	112 146 18	107 -28 19	105 13.2 20	94 1.2 38	98 -5.5 19	111 40.2 41	113 20 20	116 42 19	116 2.06 17	102 0.51 15	108 1.09 15
H 240093 97298483 H24093	1	RD 200049 HDH 180118		111 66	101 69	77 43	103 17	81 35	87 51			94 12	105 0.71 72	118 -0.76 41	97 16 17	101 15.2 69	77 -6.2 43	82 12 43	97 20.5 22	100 97 17	100 -20 10	92 6.3 19	88 5.4 39	75 -0.8 21	100 33.0 45	95 9 17	96 20 17	94 0.30 13	100 0.18 11	94 -0.05 11
H 240095 97298509 H24095		H 210034 H 210081		96 62	114 66	125 43	77 23	110 32	123 49			121 16	97 1.38 69	100 -0.07 33	125 43 23	114 22.6 66	125 8.4 43	123 110 44	115 34.7 24	119 177 17	116 -39 18	127 25.0 25	100 -3.6 37	111 -8.0 17	112 41.5 41	124 26 20	122 48 19	121 2.46 16	97 -0.17 15	110 1.25 14

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ID Number Name																													
H 240096 97319099 H24096		OLG 200013 HDH 160056	124 66	98 67	89 49	112 20	96 38	102 52	93 20	98 46	93 17	118 -0.45 71	126 -1.07 45	87 7 20	98 13.6 67	89 -2.6 49	93 36 45	92 17.1 24	95 75 22	90 -8 17	99 9.7 24	99 -3.4 42	92 -4.2 24	101 33.4 49	101 13 24	102 27 23	96 0.42 18	99 0.01 16	101 0.53 16
H 240098 97319123 H24098	7	H 210020 HDH 160047	84 65	103 67	96 49	107 17	107 36	98 51			99 10	81 2.73 70	101 -0.10 45	92 11 17	103 16.5 67	96 -0.6 49	102 59 44	99 22.7 22	103 108 12	97 -17 9	101 10.7 13	107 -9.4 39	100 -5.9 23	110 39.6 45	102 13 12	102 26 12	100 0.75 10	98 -0.02 9	97 0.19 9
H 240102 97345078 H24102	2	RD 200049 HDH 140014	108 67	109 69	88 49	100 12	100 38	107 52			99 12	104 0.78 72	112 -0.52 45	100 19 12	109 19.4 69	88 -2.8 49	98 49 43	103 25.2 22	105 115 15	99 -19 9	100 10.2 16	102 -5.7 42	95 -4.8 25	104 36.0 47	100 12 16	100 25 15	104 1.09 13	94 -0.53 12	89 -0.51 11
H 240103 97345086 H24103		OLG 200013 HDH 170158	103 67	100 70	107 51	109 21	96 39	102 54	99 22	99 48	97 18	101 1.00 72	105 -0.26 45	89 9 21	100 14.5 70	107 2.8 51	109 76 47	101 24.3 30	101 101 24	95 -14 19	100 10.1 26	88 6.0 43	105 -6.7 26	102 34.2 49	109 17 27	107 32 26	102 0.94 19	97 -0.24 17	104 0.75 16
H 240104 97345094 H24104		H 200016 H 220028	123 65	104 68	92 43	98 18	101 36	109 51			99 22	117 -0.32 71	114 -0.62 41	102 21 18	104 16.6 68	92 -1.8 43	95 42 43	104 26.0 30	98 87 23	100 -20 8	107 14.2 26	102 -5.4 46	96 -5.0 19	106 37.4 44	95 9 26	102 27 25	110 1.61 23	91 -0.92 21	98 0.29 20
H 240109 97349245 H24109		H 210034 H 210052	81 61	114 66	119 43	89 23	112 33	117 49			111 20	76 3.16 67	92 0.25 35	110 28 23	114 22.4 66	119 6.6 43	124 114 44	117 36.5 25	106 122 21	103 -24 9	110 16.0 28	107 -9.6 37	107 -7.2 20	113 42.1 42	111 18 23	113 39 22	108 1.45 20	116 2.26 19	115 1.63 19
H 240113 97373930 H24113	1	RD 200049 HDH 120143	87 65	112 68	110 47	88 12	106 36	110 51			108 10	91 1.90 71	95 0.14 43	112 30 12	112 21.0 68	110 3.7 47	114 87 42	107 28.6 24	109 133 16	100 -20 10	108 14.8 18	99 -3.0 40	112 -8.3 23	101 33.7 46	110 18 17	111 36 16	113 1.86 11	104 0.67 10	101 0.49 10
H 240116 97373963 H24116		OLG 200013 H 200211	120 63	95 56	102 42	110 19	95 36	102 46	92 22	97 41	94 23	118 -0.45 69	99 -0.02 39	89 8 19	95 11.9 56	102 1.3 42	100 55 39	93 17.6 26	96 80 24	89 -7 19	96 8.2 29	91 3.0 40	100 -5.7 22	100 32.9 46	103 14 26	105 30 25	101 0.83 24	98 -0.03 22	104 0.75 21
H 240118 97373989 H24118		RD 200049 HDH 190009	108 64	113 66	94 40	93 8	99 30	112 48			107 10	104 0.79 71	113 -0.56 35	107 26 8	113 22.0 66	94 -1.1 40	104 65 38	107 28.3 16	107 124 15	99 -19 8	106 13.5 17	95 -0.1 30	107 -7.3 17	94 28.8 44	104 15 17	106 31 16	111 1.64 11	105 0.79 10	104 0.75 10
H 240119 97385140 H24119		H 210020 HDH 140066	82 63	98 50	96 43	100 13	104 36	88 44			97 8	82 2.68 69	96 0.07 41	99 18 13	98 13.4 50	96 -0.4 43	95 41 35	93 17.4 22	99 89 13	96 -15 8	101 10.9 14	108 -10.1 40	97 -5.1 23	102 34.4 45	102 14 12	100 24 12	100 0.76 9	98 -0.01 8	100 0.45 8
H 240127 97397095 H24127		OLG 200013 HDH 120215	116 66	93 54	120 50	98 14	103 33	107 46			100 16	114 -0.10 71	101 -0.13 44	99 18 14	93 10.8 54	120 6.9 50	110 79 39	90 15.5 21	98 85 20	83 1 16	109 15.3 22	95 0.2 32	111 -8.0 21	101 34.0 47	112 20 22	109 34 22	108 1.41 17	107 1.16 16	111 1.29 15
H 240128 97401707 H24128		H 210034 H 210205	108 62	120 65	103 39	83 13	105 31	124 48			121 6	104 0.77 69	125 -1.05 33	119 37 13	120 25.6 65	103 1.7 39	113 86 39	117 36.3 19	119 175 11	112 -34 7	116 19.3 20	98 -2.4 35	102 -6.3 18	113 41.7 40	123 26 11	123 50 10	121 2.49 6	100 0.22 6	108 1.06 5

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H 240130 97401723 H24130		H 210014 HDH 080102		126 64	85 40	116 42	104 8	103 29	102 38			89 8	120 -0.65 69	109 -0.41 42	93 13 8	85 6.2 40	116 5.5 42	100 56 30	80 7.7 16	88 42 11	78 6 9	99 9.6 12	106 -8.8 29	102 -6.2 16	97 31.0 42	95 9 11	94 18 10	99 0.69 9	108 1.18 8	108 1.10 8
H 240132 97419204 H24132		OLG 200013 HDH 190130		82 66	107 56	98 46	106 20	86 37	93 47	98 22	91 42	101 20	82 2.62 72	96 0.10 41	92 12 20	107 18.7 56	98 0.2 46	108 73 41	105 27.4 28	101 100 24	97 -16 17	105 13.3 26	78 13.5 41	92 -4.2 23	107 37.9 47	109 18 26	108 33 25	107 1.32 21	97 -0.21 19	107 1.01 19
H 240135 97429013 H24135		H 210014 HDH 170161		74 63	97 40	110 40	102 15	113 31	94 39			96 10	78 3.04 69	71 1.05 40	96 15 15	97 13.1 40	110 3.8 40	107 71 32	98 21.3 22	95 72 15	87 -5 10	97 8.8 16	112 -13.6 32	111 -8.0 18	101 33.8 43	100 12 15	100 25 15	101 0.84 11	109 1.30 10	120 2.05 10
H 240140 97456453 H24140		H 210014 HDH 170066		101 64	97 44	93 40	110 14	90 34	90 41			88 17	101 1.04 69	101 -0.11 42	89 9 14	97 12.9 44	93 -1.4 40	94 41 33	93 17.9 24	89 48 18	84 -2 10	102 11.5 21	106 -8.8 37	72 0.0 22	101 33.4 44	87 4 20	91 14 19	102 0.92 18	97 -0.17 16	102 0.59 16
H 240144 97512883 H24144	4	H 210020 HDH 120003		82 49	102 67	100 48	96 21	107 37	95 48	95 22	92 43	95 20	69 3.80 51	95 0.11 40	103 22	102 15.5 67	100 0.8 48	100 55 45	102 24.7 26	97 83 23	94 -13 21	89 4.6 24	111 -12.2 40	101 -6.0 26	102 34.1 46	101 13 24	95 19 24	83 -0.62 20	112 1.68 19	96 0.10 18
H 240149 97530794 H24149	1	HDH 160087 H 200029		88 68	117 66	104 51	102 29	104 44	115 54	109 20	113 47	113 22	74 3.37 72	114 -0.62 51	96 15 29	117 23.7 66	104 1.9 51	120 103 49	112 32.4 36	112 144 23	108 -29 14	103 12.2 25	95 -0.1 50	105 -6.9 30	113 41.8 51	115 21 25	114 39 25	103 1.05 23	118 2.48 22	104 0.77 21
H 240150 98672454 H24150		KVS 130164 H 210038		105 64	102 68	114 49	99 26	129 40	121 53	99 35	116 49	95 33	110 0.29 70	83 0.60 39	99 18 26	102 15.9 68	114 4.9 49	113 87 48	108 29.6 42	100 94 39	99 -19 29	114 17.8 44	132 -29.2 47	116 -9.1 24	109 39.4 48	99 11 44	93 17 43	87 -0.30 34	85 -1.67 32	95 0.04 31
H 240151 97530802 H24151		H 210034 HDH 110029		110 63	101 66	112 46	100 11	105 32	111 49				107 0.54 69	108 -0.40 38	98 17 11	101 15.0 66	112 4.4 46	111 81 41	100 22.8 16	98 85 8	90 -9 5	106 13.8 18	103 -5.9 35	103 -6.4 20	106 37.0 42	105 15 7	102 27 7			
H 240154 97567119 H24154		H 210034 HDH 180078		109 65	121 68	108 46	84 14	105 34	128 51			118 16	104 0.80 71	115 -0.64 39	117 35 14	121 26.1 68	108 3.3 46	119 100 43	119 37.6 26	114 156 16	105 -26 7	129 26.0 25	103 -6.5 37	94 -4.5 20	117 44.4 44	116 22 18	120 46 17	126 2.88 16	98 -0.08 15	107 0.98 14
H 240160 97624944 H24160		OLG 200013 H 200075		104 65	105 68	96 49	88 29	99 38	102 53	98 22	99 47	99 19	102 0.95 71	108 -0.37 43	113 32 29	105 17.5 68	96 -0.6 49	96 45 49	100 23.2 29	102 104 23	98 -18 19	99 9.9 25	95 -0.2 41	101 -5.9 26	104 35.7 47	105 15 25	106 31 25	99 0.68 20	101 0.30 18	102 0.61 18
H 240162 97624969 H24162		OLG 200013 HDH 170120		111 66	105 68	98 48	99 19	110 39	111 52	100 22	108 46	103 20	115 -0.20 71	81 0.65 44	100 20 19	105 17.2 68	98 0.0 48	102 58 45	104 26.5 28	105 115 24	95 -14 18	103 12.1 28	100 -4.0 41	118 -9.4 28	104 35.9 49	113 20 27	114 40 26	108 1.43 20	100 0.21 19	114 1.53 18
H 240163 97635817 H24163		OLG 200013 H 200091		107 65	101 66	96 47	91 29	107 38	103 52	94 22	99 46	94 18	106 0.63 71	104 -0.21 42	109 28 29	101 15.5 66	96 -0.6 47	94 40 47	99 22.2 28	98 88 23	95 -14 18	98 9.2 25	105 -8.1 41	106 -7.1 27	104 35.5 47	101 13 25	103 28 24	99 0.72 19	96 -0.33 18	100 0.39 17

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ID Number Name																													
H 240164 97635825 H24164		KVS 130164 H 210097	115 67	108 69	119 51	84 38	136 42	134 55	113 40	131 52	107 36	114 -0.07 72	98 -0.01 45	116 34 38	108 19.1 69	119 6.3 51	116 93 53	112 32.2 46	113 151 42	119 -43 34	120 21.1 46	131 -28.4 49	132 -12.3 26	108 38.3 50	109 17 48	101 26 47	90 -0.02 38	79 -2.51 35	99 0.31 35
H 240172 97716237 H24172	1	KVS 130164 H 220071	124 65	107 58	111 46	90 25	133 42	133 49	117 40	131 47	111 36	124 -0.93 71	94 0.17 42	110 29 25	107 18.4 58	111 4.0 46	111 80 43	111 31.4 49	117 169 42	124 -48 34	121 21.9 46	131 -28.9 50	128 -11.5 26	104 35.8 50	111 19 48	107 32 47	96 0.43 38	76 -2.88 35	106 0.92 35
H 240177 97790836 H24177		HDH 160087 HDH 140141	87 67	112 68	116 52	90 21	111 41	115 54			111 12	84 2.50 71	124 -1.01 52	109 28 21	112 21.1 68	116 5.6 52	120 102 47	110 30.7 34	108 131 17	103 -23 13	104 12.8 18	107 -9.7 46	111 -8.0 26	105 36.7 52	114 21 16	112 38 16	107 1.36 12	112 1.68 11	116 1.70 11
H 240181 97799456 H24181	2	OLG 200013 HDH 190093	76 66	114 69	102 49	93 24	100 38	103 53	97 23	100 47	100 20	70 3.71 72	80 0.72 43	107 26 24	114 22.4 69	102 1.5 49	112 83 47	116 35.3 32	100 94 24	95 -14 20	98 9.2 27	103 -5.9 41	96 -5.0 26	103 35.1 48	107 16 27	108 33 26	100 0.79 21	101 0.29 20	105 0.87 19
H 240182 97823330 H24182		RD 190041 HDH 110128	127 65	74 66	107 47	129 14	115 37	97 51			63 13	122 -0.82 70	131 -1.27 44	76 -4 14	74 0.6 66	107 2.9 47	89 28 42	76 4.2 24	68 -43 18	73 12 12	69 -6.4 21	124 -23.0 41	101 -6.0 24	102 34.3 47	66 -8 18	70 -8 17	76 -1.24 14	89 -1.27 12	97 0.16 12
H 240187 97823389 H24187		OLG 200013 HDH 130084	77 64	105 69	108 52	100 16	100 39	98 53	98 23	95 47	100 18	86 2.29 70	80 0.71 41	98 17 16	105 17.6 69	108 3.0 52	112 83 46	105 26.7 26	102 104 26	94 -13 18	108 15.0 29	92 2.3 40	109 -7.7 26	101 33.7 50	109 17 25	108 33 24	107 1.37 19	102 0.46 17	110 1.23 17
H 240188 97823397 H24188		OLG 200013 HDH 190023	112 67	104 68	94 50	94 29	107 39	108 54	98 21	104 47	96 18	109 0.37 72	108 -0.40 45	106 25 29	104 17.0 68	94 -1.0 50	97 47 49	102 25.0 26	102 102 22	97 -16 18	97 8.8 24	100 -4.0 41	111 -8.1 27	105 36.3 48	105 15 25	104 29 24	100 0.81 19	94 -0.56 17	95 -0.02 17
H 240191 97895080 H24191	2	OLG 200013 HDH 190188	128 66	95 69	95 48	110 24	102 34	106 52	88 20	100 46	90 18	125 -1.04 72	101 -0.12 40	88 8 24	95 11.7 69	95 -0.7 48	94 40 47	95 19.4 26	91 57 22	87 -4 17	97 8.6 24	101 -4.5 34	99 -5.6 22	107 37.5 47	95 9 24	99 23 24	99 0.69 19	95 -0.49 17	106 0.93 17
H 240192 97895098 H24192		OLG 200013 H 200140	76 62	106 65	107 45	93 22	101 36	97 50	95 27	94 45	104 21	87 2.22 68	74 0.94 39	105 24 22	106 18.1 65	107 3.0 45	109 77 44	106 27.7 29	98 87 28	86 -3 24	108 14.5 31	96 -0.7 36	104 -6.6 25	103 34.9 46	106 16 31	110 35 30	107 1.35 22	116 2.26 20	127 2.58 19
H 240193 97961668 H24193		SP 190088 HDH 170167	73 63	120 67	120 44	91 15	115 35	122 50			109 16	62 4.42 69	68 1.15 40	108 26 15	120 25.8 67	120 6.9 44	132 131 42	121 39.0 21	105 116 21	101 -21 16	104 12.4 22	115 -16.0 34	117 -9.2 24	95 29.8 46	103 14 21	108 33 21	98 0.61 17	118 2.52 15	109 1.15 15
H 240195 97961684 H24195		RD 200049 HDH 120158	133 64	97 68	99 47	109 12	91 34	107 51	90 21	101 45	89 10	125 -1.05 70	116 -0.70 38	89 9 12	97 12.9 68	99 0.3 47	99 52 42	96 20.1 23	93 65 21	91 -9 19	98 9.0 23	94 0.6 37	89 -3.5 20	100 33.2 45	89 5 23	89 12 22	93 0.23 11	103 0.63 10	96 0.13 9
H 240196 97961692 H24196	1	RD 200049 HDH 150042	89 65	109 68	113 46	92 12	101 35	109 51			106 14	96 1.47 71	83 0.60 41	106 25 12	109 19.9 68	113 4.8 46	117 95 42	107 28.9 19	107 123 17	100 -20 10	107 14.1 19	96 -0.9 38	105 -6.8 21	103 34.8 46	105 15 18	108 33 17	108 1.40 14	104 0.66 13	102 0.56 13

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Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling		
ID Number Name																															
H 240197 97961700 H24197		H 200016 H 210093	139 65	108 68	104 44	81 21	116 36	130 51	109 22	125 45	117 22	137 -2.07 71	143 -1.73 42	121 39 21	108 18.9 68	104 2.0 44	102 60 44	105 27.4 28	112 144 23	115 -38 18	116 19.2 27	109 -10.6 46	117 -9.2 18	110 39.7 45	114 20 27	118 44 26	116 2.07 23	98 -0.05 20	121 2.10 20		
H 240198 97961718 H24198		RD 200049 HDH 120142	110 65	108 68	93 48	94 11	93 36	105 51			104 12	108 0.45 71	105 -0.26 40	106 25 11	108 19.3 68	93 -1.5 48	99 52 42	104 26.3 22	105 117 21	100 -19 11	107 14.3 23	91 3.5 39	97 -5.1 23	101 33.5 46	102 13 17	102 27 17	110 1.57 13	103 0.53 12	104 0.72 12		
H 240202 97961734 H24202	2	RD 200049 HDH 150018	104 65	112 69	93 48	97 14	99 37	110 52			102 12	101 1.00 71	107 -0.35 43	102 21 14	112 21.5 69	93 -1.4 48	104 65 44	109 30.4 22	111 140 17	108 -29 10	100 10.3 19	94 1.2 41	104 -6.5 23	103 35.1 47	101 12 18	103 28 17	106 1.27 13	91 -0.96 12	92 -0.22 12		
H 240205 97970933 H24205		RD 200049 HDH 190060	105 66	100 69	103 45	101 18	101 36	103 52			99 12	100 1.12 72	117 -0.75 41	97 17 18	100 14.9 69	103 1.8 45	104 63 44	98 21.3 26	103 106 16	95 -14 9	98 9.4 18	100 -4.1 39	103 -6.3 23	99 32.4 45	104 14 18	102 27 17	104 1.07 13	100 0.21 12	100 0.41 11		
H 240210 98036841 H24210	7	JH 190072 H 220124	84 65	110 57	81 41	100 21	101 38	95 47	109 32	95 44	102 38	76 3.15 71	103 -0.18 42	100 19 21	110 20.1 57	81 -5.0 41	93 38 40	112 32.4 39	109 134 38	102 -23 23	92 6.0 42	103 -6.4 45	98 -5.4 25	100 32.7 45	93 8 43	102 26 41	92 0.12 39	83 -2.00 36	76 -1.49 35		
H 240215 98046667 H24215		H 210005 HDH 150173	76 64	102 66	115 47	100 13	92 35	93 50			96 8	78 3.03 69	79 0.74 44	97 17 13	102 15.9 66	115 5.1 47	115 90 42	98 21.6 23	99 90 12	95 -14 8	100 10.3 13	96 -0.5 37	84 -2.5 22	106 37.2 45	103 14 12	100 25 11	99 0.65 8	101 0.30 8	101 0.53 7		
H 240216 98046675 H24216	1	JT 150001 H 220031	116 66	95 53	103 46	99 22	96 37	100 46	97 21	96 41	98 18	118 -0.40 70	145 -1.83 48	100 19 22	95 12.1 53	103 1.5 46	97 48 40	94 18.5 44	98 88 20	103 -23 19	97 8.9 23	92 2.3 42	102 -6.3 22	97 31.2 48	103 14 23	98 22 22	92 0.14 19	102 0.43 17	109 1.12 17		
H 240220 98111172 H24220		H 210005 HDH 140068	97 46	92 66	104 48	107 15	103 36	93 47			82 8	98 1.31 47	101 -0.09 40	91 11 15	92 10.2 66	104 2.0 48	98 50 43	88 13.6 22	86 37 12	85 -3 8	87 3.5 13	106 -8.5 39	95 -4.7 23	107 37.7 46	88 5 12	85 9 11	85 -0.44 8	100 0.17 8	98 0.26 7		
H 240223 98114192 H24223	4	H 210005 HDH 190135	115 51	94 51	84 41	109 18	104 33	95 41			92 7	110 0.26 53	112 -0.54 41	91 11 18	94 11.1 51	84 -4.2 41	82 12 37	90 15.2 22	98 86 13	98 -18 7	86 2.9 14	106 -9.0 37	94 -4.7 22	109 39.3 41	90 6 13	93 17 13	90 -0.09 7	101 0.33 7	98 0.27 7		
H 240249 97545255 H24249		OLG 200013 HDH 150186	114 65	90 53	116 48	100 14	98 31	100 45			98 16	117 -0.35 71	87 0.45 43	97 17 14	90 9.1 53	116 5.6 48	104 64 38	88 14.0 21	96 79 20	82 16 2	108 14.6 22	96 -0.3 30	103 -6.3 19	99 32.3 43	111 19 22	107 32 22	106 1.26 17	107 1.14 16	110 1.25 15		
H 250001 98276322 H25001		H 210005 HDH 120122	97 61	87 48	108 46	107 10	95 29	85 41			88 6	105 0.70 67	76 0.87 39	90 10 10	87 7.3 48	108 3.1 46	97 46 35	84 10.8 19	88 42 7	78 6 6	94 7.1 8	95 -0.1 30	92 -4.2 16	105 36.1 41	94 8 8	90 14 8	91 0.03 6	109 1.41 6	104 0.72 6		
H 250004 98276363 H25004		OLG 200013 H 220126	135 65	98 56	86 41	103 19	99 37	106 46	98 23	102 41	99 24	130 -1.45 71	105 -0.26 39	96 16 19	98 13.7 56	86 -3.6 41	87 23 39	97 20.8 33	101 98 26	97 -16 17	113 17.5 30	102 -5.1 41	92 -4.2 24	105 36.4 46	99 12 30	104 29 29	112 1.77 25	92 -0.85 23	101 0.53 22		

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ID Number Name																													
H 250007 98586902 H25007	2	H 220036 H 220109	95 63	111 63	86 40	98 18	98 34	101 48	105 24	100 43	103 25	91 1.89 69	120 -0.84 39	102 22 18	111 20.8 63	86 -3.5 40	98 48 40	107 28.2 38	107 126 25	110 -32 21	99 9.9 28	95 0.1 39	97 -5.3 22	105 36.6 42	93 8 28	102 27 27	96 0.42 26	103 0.54 24	100 0.39 24
H 250008 98680101 H25008	2	H 220036 H 220136	78 63	118 49	99 35	90 15	95 33	104 42			109 16	79 2.94 69	84 0.55 37	110 29 15	118 24.6 49	99 0.4 35	111 82 33	116 35.2 37	113 151 17	108 -29 12	113 17.3 19	89 4.7 38	99 -5.7 21	104 35.4 41	104 14 18	110 36 18	113 1.84 16	89 -1.23 15	97 0.22 15
H 250009 98777899 H25009		H 220036 HDH 190071	88 63	118 50	90 40	92 19	98 35	107 43			103 14	59 4.62 69	113 -0.56 41	109 28 19	118 24.6 50	90 -2.3 40	105 66 36	111 31.4 38	107 126 16	104 -24 10	108 14.7 18	100 -4.2 40	98 -5.4 22	98 31.4 44	105 15 18	107 32 17	108 1.42 14	94 -0.61 13	99 0.38 12
H 250010 98699952 H25010		DG 060046 H 220013	80 68	106 66	115 55	91 34	112 49	106 56	107 47	105 54	102 41	89 2.10 72	80 0.71 52	107 26 34	106 18.1 66	115 5.4 55	115 90 52	106 27.5 47	104 111 46	104 -24 45	132 27.8 49	105 -7.5 52	116 -9.0 38	105 36.1 56	105 15 49	107 32 48	84 -0.54 42	81 -2.21 40	100 0.44 39
H 250013 98680119 H25013		H 220036 H 200060	83 52	129 64	95 42	82 20	102 34	117 47	113 21	116 42	116 19	62 4.36 55	98 -0.01 38	122 40 20	129 30.3 64	95 -0.9 42	113 86 42	122 40.2 33	118 171 20	114 -36 20	112 16.9 23	98 -2.1 38	102 -6.3 23	106 36.8 42	113 20 23	118 45 22	122 2.54 20	96 -0.35 18	100 0.43 17
H 250014 98680127 H25014		H 200016 H 210046	104 65	112 55	87 40	93 20	102 35	108 46			108 18	105 0.66 70	142 -1.68 43	107 26 20	112 21.4 55	87 -3.3 40	97 48 38	109 29.8 26	107 123 19	108 -29 9	106 13.4 22	98 -2.2 42	97 -5.2 19	112 41.3 45	105 15 22	111 37 21	113 1.81 19	94 -0.64 17	101 0.54 17
H 250015 98680135 H25015	1	H 200016 H 220165	124 65	95 68	87 44	108 18	121 37	109 51			87 18	119 -0.55 71	129 -1.18 40	91 11 18	95 11.9 68	87 -3.2 44	87 22 43	94 18.3 28	88 45 19	92 -10 11	87 3.3 22	118 -18.5 45	116 -9.0 20	110 39.7 45	85 3 22	94 18 21	96 0.45 18	95 -0.46 17	101 0.53 16
H 250017 98680150 H25017		H 200016 H 220024	115 65	112 68	87 43	94 18	101 36	111 51			105 22	108 0.39 71	120 -0.83 41	107 26 18	112 21.0 68	87 -3.1 43	97 48 43	105 26.8 35	102 103 23	103 -24 8	110 16.1 26	96 -0.4 45	99 -5.5 20	111 40.5 44	99 11 26	108 33 25	114 1.93 23	93 -0.65 21	103 0.70 20
H 250018 98680168 H25018		H 200016 H 220080	131 65	99 57	102 41	86 22	104 34	112 47	98 22	107 42	104 22	126 -1.12 71	130 -1.24 40	115 33 22	99 14.3 57	102 1.4 41	96 43 40	97 20.9 26	100 96 22	104 -24 18	108 14.9 26	95 0.4 45	110 -7.8 16	107 38.1 42	102 13 27	105 29 25	105 1.20 23	97 -0.21 20	113 1.51 20
H 250021 98769151 H25021	1	OLG 200013 H 200056	103 64	103 67	104 47	99 24	90 35	100 51	98 26	97 46	103 22	105 0.64 70	92 0.24 39	99 18 24	103 16.3 67	104 2.0 47	106 69 46	102 25.1 25	104 111 25	97 -17 24	101 10.8 28	84 9.0 38	95 -4.8 22	105 36.6 46	110 18 29	112 38 28	111 1.71 23	101 0.37 21	111 1.35 20
H 250023 98851207 H25023	2	H 200016 HDH 170137	135 67	84 70	86 48	117 18	116 37	101 53			75 18	130 -1.45 72	105 -0.25 45	84 4 18	84 6.1 70	86 -3.5 48	78 0 45	86 12.6 26	76 -8 20	79 4 9	79 -0.8 23	115 -15.9 41	113 -8.4 22	105 36.6 48	72 -5 22	79 2 21	82 -0.70 19	98 -0.03 17	101 0.49 17
H 250026 98851231 H25026	3	SS 170001 H 200076	112 68	100 56	60 50	102 31	113 42	93 50	94 42	90 48	86 41	107 0.50 72	123 -0.97 52	100 20 31	100 14.6 56	60 -11.5 50	66 -29 46	90 15.8 36	94 71 42	89 -7 41	100 10.5 45	120 -20.0 50	100 -5.8 26	106 36.9 50	83 2 45	92 16 44	113 1.81 42	64 -4.44 40	90 -0.35 40

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Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
H 250027 98851249 H25027	1	KVS 180387 HDH 160064	91 64	112 66	89 46	94 16	114 36	108 50			104 10	92 1.84 70	103 -0.20 42	106 25 16	112 21.0 66	89 -2.6 46	99 52 43	115 34.6 28	111 142 16	111 -33 9	93 6.8 18	116 -16.4 38	105 -6.8 24	109 39.1 45	97 10 17	104 29 17	106 1.29 10	93 -0.69 9	97 0.14 9
H 250028 98851256 H25028		H 200016 H 200032	104 67	120 68	95 49	82 23	123 39	127 53			116 25	105 0.68 72	141 -1.66 46	121 39 23	120 25.8 68	95 -0.7 49	107 70 47	114 34.3 28	110 136 26	108 -30 9	111 16.5 29	109 -11.2 48	124 -10.7 23	116 44.1 47	114 21 29	121 47 28	118 2.27 26	109 1.32 24	111 1.29 23
H 250029 98851264 H25029	1	SS 170001 HDH 190056	90 69	113 71	82 53	90 31	115 43	106 56	108 44	104 54	100 42	89 2.07 73	108 -0.40 51	113 31 31	113 22.0 71	82 -4.9 53	93 36 52	110 30.5 40	107 125 43	99 -19 42	108 14.5 47	122 -21.5 50	101 -6.0 28	106 37.0 52	103 14 46	111 36 45	129 3.13 43	61 -4.86 41	99 0.35 40
H 250030 98851272 H25030		KVS 180387 HDH 170059	91 62	104 51	92 42	101 10	101 34	97 43			102 8	93 1.72 68	99 -0.04 36	98 17 10	104 17.0 51	92 -1.7 42	97 48 34	107 28.5 26	109 132 15	107 -28 8	93 6.6 16	110 -12.2 38	90 -3.8 22	100 32.7 42	101 13 16	103 27 16	101 0.86 9	97 -0.14 8	95 0.02 8
H 250031 98860208 H25031	1	KVS 180387 H 220156	103 60	109 49	87 31	92 13	108 31	106 40			105 18	103 0.85 68	100 -0.08 30	109 28 13	109 19.4 49	87 -3.1 31	94 40 31	110 30.8 30	110 137 21	111 -33 9	105 12.9 24	112 -13.7 36	101 -5.9 18	102 34.2 38	96 10 24	105 30 23	113 1.84 18	93 -0.70 17	100 0.44 16
H 250034 98864697 H25034		IGB 190013 HDH 140202	97 66	105 68	90 49	94 15	105 34	100 51	93 33	96 47	102 32	98 1.30 71	100 -0.07 47	106 25 15	105 17.3 68	90 -2.3 49	94 39 44	99 22.3 34	96 78 31	86 -4 31	113 17.3 35	105 -7.9 39	106 -7.1 17	98 31.7 45	94 8 36	98 22 35	98 0.64 33	119 2.59 30	111 1.36 29
H 250035 98864705 H25035	1	KVS 180387 H 220058	99 61	104 50	90 34	96 15	92 32	94 41			99 11	96 1.45 68	112 -0.53 32	104 23 15	104 16.7 50	90 -2.2 34	94 39 33	104 26.4 28	107 125 17	109 -31 10	92 6.1 18	94 0.6 36	91 -3.9 21	98 31.7 40	94 8 18	100 25 18	100 0.74 11	95 -0.46 11	96 0.07 10
H 250038 98962608 H25038		KVS 180387 HDH 190070	87 63	131 67	103 44	84 13	124 34	135 50			125 10	54 5.08 69	109 -0.44 38	118 36 13	131 31.6 67	103 1.8 44	123 111 41	132 48.0 30	127 210 17	118 -41 9	110 16.0 19	117 -17.3 37	129 -11.6 21	103 34.9 43	125 27 18	128 55 18	124 2.71 10	101 0.29 9	112 1.41 9
H 250040 98962624 H25040		VV 180152 HDH 120173	75 65	111 67	111 50	86 10	98 30	102 50			110 10	82 2.70 70	76 0.86 44	115 33 10	111 20.9 67	111 4.1 50	114 87 42	107 28.3 19	105 118 12	89 -6 9	117 19.8 13	93 1.5 27	106 -7.0 17	99 32.1 46	112 19 13	110 35 12	112 1.72 10	114 2.01 9	108 1.11 9
H 250042 98962640 H25042		SS 210095 JO 200009	129 63	99 69	103 43	103 15	110 29	117 50	89 28	110 46	90 35	125 -1.04 70	104 -0.23 35	95 15 15	99 14.2 69	103 1.7 43	103 61 42	101 24.0 36	92 60 35	86 -4 16	100 10.2 41	114 -14.9 27	99 -5.6 17	108 38.5 42	85 3 42	94 17 40	100 0.79 37	103 0.63 33	114 1.59 32
H 250043 98962657 H25043	2	BR 180020 H 210127	138 66	86 56	85 43	113 17	113 37	102 47			90 14	131 -1.58 71	110 -0.48 45	86 6 17	86 7.2 56	85 -4.0 43	77 -1 39	83 10.2 30	96 80 17	97 -17 13	93 6.4 19	104 -7.3 39	121 -10.0 25	101 33.4 46	90 6 18	94 17 17	94 0.28 14	96 -0.25 13	96 0.10 13
H 250044 98962665 H25044		SS 210095 H 210054	107 64	111 57	113 42	87 20	117 34	124 46	106 30	120 43	112 37	106 0.60 70	102 -0.16 40	113 32 20	111 20.8 57	113 4.5 42	115 91 40	111 31.9 38	107 125 38	101 -21 17	120 21.1 43	114 -14.7 36	111 -8.1 23	112 41.1 42	109 17 44	113 39 42	103 1.01 39	120 2.76 35	116 1.73 34

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ID Number Name																														
H 250046		SS 210095	120	101	97	98	110	110	89	104	94	118	102	101	101	97	97		99	93	87	113	113	101	105	88	94	99	109	124
98996168		HDH 120091	66	69	49	16	32	52	27	47	32	-0.40	-0.14	20	15.0	-0.3	47		22.6	63	-5	17.6	-14.1	-6.1	36.6	5	18	0.71	1.36	2.40
H25046												72	43	16	69	49	45		37	35	15	41	32	18	45	38	36	33	30	29
H 250050	1	SS 210095	104	105	89	102	99	101	96	97	94	100	124	97	105	89	96		101	98	96	106	109	84	105	93	99	94	98	103
98996200		HDH 180118	66	57	43	21	33	47	26	43	31	1.12	-0.99	17	17.4	-2.6	44		24.3	88	-16	13.7	-11.3	-2.6	36.2	8	24	0.31	0.00	0.66
H25050												73	40	21	57	43	40		36	33	14	38	35	20	43	38	36	33	29	28
H 250053	1	BR 180020	106	95	100	108	107	100			93	102	112	90	95	100	98		90	97	94	99	96	117	104	95	94	94	104	97
98996234		H 210162	66	56	41	17	36	46			12	0.95	-0.52	10	11.7	0.6	48		15.2	84	-12	9.8	-0.6	-9.3	35.4	9	18	0.28	0.72	0.21
H25053												71	45	17	56	41	38		29	13	10	14	38	24	45	15	14	12	11	11
H 250057		SS 210095	94	115	121	99	106	123	101	118	100	91	114	98	115	121	131		115	102	97	121	106	100	109	99	104	102	101	107
98999741		HDH 120182	65	57	49	15	33	47	30	44	30	1.90	-0.60	17	22.7	7.0	130		35.0	105	-17	22.0	-8.3	-5.7	39.3	12	28	0.92	0.36	0.98
H25057												71	40	15	57	49	40		38	35	21	41	35	20	44	41	39	32	29	28
H 250061	2	RD 200049	85	112	92	100	86	95			102	84	104	99	112	92	104		109	107	104	100	85	83	109	101	102	101	100	98
99013724		H 210012	63	66	42	13	34	49			12	2.51	-0.21	19	21.3	-1.7	65		29.9	125	-24	10.3	7.9	-2.2	38.9	13	26	0.87	0.22	0.23
H25061												69	38	13	66	42	40		21	15	10	17	39	21	43	16	16	12	11	11
H 250063	7	H 200016	106	111	95	96	111	116			105	103	126	104	111	95	104		110	104	106	97	102	112	112	102	109	105	95	102
99013740		H 210017	66	59	44	20	37	48			17	0.88	-1.07	23	20.9	-0.8	65		31.1	111	-27	9.0	-5.8	-8.2	41.4	13	34	1.22	-0.45	0.62
H25063												72	44	20	59	44	41		26	18	10	21	46	22	44	21	20	18	16	16
H 250064		RD 200049	122	105	88	92	94	105			110	119	103	109	105	88	92		101	113	103	107	86	103	102	116	115	115	96	98
99026718		HDH 180060	67	54	44	14	35	46			14	-0.49	-0.18	28	17.5	-2.8	34		24.0	150	-24	14.3	7.2	-6.4	34.2	21	40	2.01	-0.36	0.24
H25064												73	43	14	54	44	37		24	17	11	22	39	23	44	19	18	14	13	13
H 250065	2	RD 200049	126	103	92	96	95	106			104	118	119	104	103	92	94		99	104	102	103	95	89	108	102	105	102	111	102
99026726		H 200042	65	52	38	16	35	44			22	-0.42	-0.80	23	16.2	-1.7	40		22.6	114	-22	12.2	0.0	-3.6	38.5	13	30	0.95	1.59	0.58
H25065												71	41	16	52	38	35		25	23	10	25	40	23	43	25	25	22	21	21
H 250066	2	RD 200049	109	105	103	94	86	102			108	104	111	106	105	103	105		103	111	107	102	95	78	99	109	107	101	105	95
99026734		HDH 160012	65	53	42	12	36	45			14	0.73	-0.51	25	17.6	1.6	66		25.8	143	-28	11.3	0.1	-1.3	32.5	17	33	0.84	0.82	0.06
H25066												71	43	12	53	42	36		20	17	13	19	41	23	45	19	18	15	14	13
H 250076		H 220038	110	92	102	106	109	101	86	95	88	106	111	92	92	102	97		92	89	93	99	109	102	109	84	87	92	100	116
99042574		H 220164	63	50	38	18	31	42	21	38	19	0.57	-0.48	11	10.5	1.3	46		17.2	47	-11	10.1	-11.2	-6.1	39.5	3	11	0.12	0.14	1.73
H25076												69	37	18	50	38	35		34	20	19	23	37	17	38	23	22	20	18	17
H 250078		KVS 210173	91	114	96	94	122	117	115	116	111	93	97	106	114	96	107		117	117	111	101	116	122	107	115	116	115	84	102
99042582		HDH 180050	49	50	44	15	35	41	21	37	20	1.70	0.05	25	22.4	-0.5	71		36.3	168	-33	10.8	-16.8	-10.3	37.6	21	42	2.04	-1.92	0.55
H25078												51	39	15	50	44	36		26	24	15	29	39	23	42	26	25	21	20	19
H 250080	1	KVS 210173	83	123	108	83	115	123	117	121	118	79	98	119	123	108	120		125	121	117	102	116	107	107	116	119	113	96	106
99046724		HDH 140100	48	66	47	17	35	47	21	42	20	2.93	0.02	37	27.3	3.3	102		42.3	184	-40	11.5	-16.4	-7.2	37.8	22	45	1.82	-0.34	0.92
H25080												50	38	17	66	47	43		26	23	16	26	37	23	44	26	25	21	19	19

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Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
H 250081 99046757 H25081	2	RD 200049 H 210031	89 64	110 56	100 40	94 13	93 34	101 45			107 12	89 2.04 71	104 -0.21 38	106 25 13	110 20.2 56	100 0.8 40	107 71 36	106 27.5 21	110 137 15	105 -26 10	105 13.1 16	90 4.3 39	93 -4.4 22	108 38.2 42	109 18 16	108 33 15	108 1.41 12	99 0.11 11	97 0.20 11
H 250082 99046765 H25082	3	RD 200049 H 210121	87 63	124 67	99 43	85 14	97 35	115 50			112 14	75 3.23 69	111 -0.48 37	117 35 14	124 27.9 67	99 0.5 43	115 90 41	115 34.5 23	114 156 16	107 -29 11	111 16.3 18	89 4.9 39	105 -6.8 22	103 35.1 43	111 19 18	113 39 17	115 2.01 14	99 0.09 13	97 0.19 12
H 250083 99065526 H25083		RD 200049 HDH 140189	94 64	109 68	101 47	96 7	99 28	104 49			98 10	96 1.46 70	96 0.09 40	103 22 7	109 19.4 68	101 1.0 47	107 72 41	103 25.4 16	97 83 12	86 -3 7	105 12.8 14	96 -0.8 27	99 -5.6 14	104 35.5 42	102 13 14	99 24 13	105 1.16 11	108 1.17 10	103 0.67 9
H 250086 99065559 H25086		H 220038 H 220161	83 63	103 50	115 37	102 18	113 30	106 42	94 22	101 38	95 19	82 2.66 69	99 -0.02 37	95 15 18	103 16.2 50	115 5.2 37	116 94 35	104 26.1 35	97 84 21	100 -20 20	104 12.4 24	109 -10.9 34	109 -7.7 19	109 39.1 38	93 8 24	97 21 23	97 0.56 20	95 -0.40 18	112 1.43 18
H 250090 99079311 H25090	1	RD 200049 H 210099	108 65	109 57	107 41	86 17	97 34	111 46	109 21	109 41	108 18	105 0.64 71	108 -0.37 39	115 34 17	109 19.7 57	107 2.7 41	108 73 38	107 28.3 25	111 143 21	113 -35 19	111 16.2 24	95 -0.2 40	98 -5.3 21	103 35.2 42	108 17 24	107 32 23	108 1.45 19	96 -0.34 17	106 0.91 17
H 250094 99096257 H25094		KVS 210173 HDH 140066	84 46	104 47	101 41	99 11	105 34	99 38			100 18	89 2.02 49	90 0.33 36	99 18 11	104 16.9 47	101 1.0 41	104 65 33	106 28.1 24	106 119 22	104 -24 12	98 9.1 24	110 -11.7 38	99 -5.5 22	101 33.8 42	102 13 24	102 27 23	107 1.33 19	84 -1.83 18	100 0.44 17
H 250095 99096265 H25095		KVS 210173 HDH 170047	95 49	102 47	97 40	105 11	107 34	101 39			98 18	96 1.42 51	99 -0.05 39	94 13 11	102 15.9 47	97 -0.3 40	101 57 33	107 28.8 25	106 119 21	105 -26 12	93 6.7 23	117 -17.6 38	92 -4.1 22	104 35.5 42	97 10 23	100 24 23	100 0.78 19	87 -1.53 18	103 0.64 17
H 250096 99096273 H25096		KVS 210173 H 200211	99 45	108 50	102 37	104 16	109 31	112 39	104 20	109 35	102 24	99 1.19 48	100 -0.08 32	94 14 16	108 19.0 50	102 1.4 37	111 81 34	110 31.3 24	108 129 23	104 -25 15	93 6.8 29	108 -10.1 36	106 -7.0 17	104 36.1 39	102 13 26	106 31 25	108 1.39 25	85 -1.75 23	100 0.39 22
H 250100 99101958 H25100		H 200016 H 220049	121 65	111 58	85 43	90 18	122 36	122 47			112 22	118 -0.43 71	133 -1.36 41	111 30 18	111 20.8 58	85 -3.9 43	93 38 40	109 30.4 28	109 132 23	110 -31 8	115 18.4 26	115 -16.1 46	120 -9.9 20	110 40.0 43	105 15 27	115 40 25	120 2.38 23	95 -0.38 21	111 1.34 20
H 250101 99101966 H25101		KVS 210173 H 210071	102 62	108 48	95 40	97 18	112 34	111 42	102 22	108 38	104 26	102 0.97 68	101 -0.10 36	102 21 18	108 19.0 48	95 -0.8 40	102 59 35	112 32.5 28	106 119 28	104 -25 13	97 9.0 30	112 -13.2 38	103 -6.5 23	112 41.3 40	101 13 31	105 30 30	105 1.18 27	102 0.51 25	111 1.29 25
H 250102 99101974 H25102	13	H 220038 H 220197	91 63	106 51	122 40	90 22	103 31	110 43	103 26	107 40	106 23	90 1.95 69	106 -0.30 37	108 27 22	106 18.1 51	122 7.3 40	120 102 38	106 27.7 38	106 120 25	113 -35 25	121 22.0 29	98 -2.2 35	103 -6.4 19	107 37.9 39	101 13 28	100 25 27	102 0.97 24	96 -0.36 22	120 2.02 21
H 250103 99101982 H25103	1	H 220034 H 220191	125 61	109 48	97 34	87 14	107 32	119 41			111 23	119 -0.52 67	112 -0.55 36	115 33 14	109 19.7 48	97 -0.3 34	100 54 32	102 25.1 36	109 133 24	106 -27 9	118 19.9 27	97 -1.8 38	110 -7.9 21	110 39.5 38	109 17 27	112 38 26	117 2.15 24	100 0.21 22	105 0.83 22

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ID Number Name																													
H 250104 99119612 H25104	1	KVS 210173 H 210019	87 61	114 52	107 39	102 15	110 33	115 43			104 19	82 2.63 68	112 -0.53 34	96 15	114 22.1 52	107 2.7 39	120 102 35	117 36.6 26	111 141 21	109 -30 13	94 7.3 23	108 -10.1 38	102 -6.3 22	112 41.1 38	104 15 24	106 31 23	106 1.30 20	83 -1.99 18	96 0.07 18
H 250105 99119620 H25105	1	H 220038 H 220146	106 62	100 50	109 37	97 19	108 32	108 42	101 22	105 38	101 22	104 0.73 69	106 -0.29 36	101 20	100 14.4 50	109 3.6 37	106 70 35	97 20.6 39	103 108 23	104 -25 19	112 16.7 27	98 -2.5 38	111 -7.9 21	112 41.3 38	101 13 27	101 26 25	101 0.87 23	92 -0.79 21	106 0.89 20
H 250109 99120172 H25109		KVS 210173 HDH 180032	80 47	109 51	106 41	100 12	108 33	106 40			104 18	83 2.55 50	89 0.35 36	98 17	109 19.9 51	106 2.4 41	114 88 35	112 32.7 25	111 141 21	108 -30 12	96 8.2 23	113 -14.0 34	96 -5.0 23	108 38.5 41	104 14 23	107 32 22	105 1.17 19	85 -1.67 18	97 0.20 17
H 250112 99120206 H25112		KVS 210173 HDH 100076	105 45	105 49	106 44	95 10	114 32	114 39			102 18	103 0.82 48	106 -0.30 35	104 23	105 17.2 49	106 2.6 44	107 72 34	111 31.8 26	105 115 22	103 -23 12	95 7.9 25	119 -19.2 34	103 -6.5 19	105 36.4 42	102 13 23	104 28 23	106 1.29 19	94 -0.56 17	113 1.52 17
H 250119 99180713 H25119	1	H 210026 HDH 130128	108 65	106 66	105 48	95 14	88 35	104 50			107 12	106 0.55 70	134 -1.41 44	104 23	106 18.0 66	105 2.2 48	108 73 43	102 24.6 27	106 120 21	100 -20 12	113 17.4 23	81 11.0 39	86 -3.0 22	114 42.4 44	105 15 17	107 32 16	107 1.34 13	107 1.08 12	114 1.60 12
H 250120 99251449 H25120		OLG 200013 H 210097	118 65	97 68	111 48	88 36	111 37	110 53	99 26	106 48	100 23	115 -0.16 71	106 -0.31 42	112 31	97 12.8 68	111 4.0 48	101 56 51	97 20.8 30	103 107 26	102 -23 24	106 13.6 29	105 -7.8 41	113 -8.5 24	105 36.7 46	109 18 30	105 30 28	99 0.66 24	96 -0.30 22	105 0.82 21
H 250121 99192502 H25121	2	OLG 200013 HDH 190105	116 65	94 67	97 45	109 18	109 34	102 51	84 20	96 45	92 18	117 -0.38 71	89 0.34 43	90 10	94 11.2 67	97 -0.3 45	94 40 43	95 18.9 26	88 43 22	80 3 17	97 8.6 24	107 -9.5 34	103 -6.5 22	108 38.7 46	95 9 24	99 23 24	98 0.59 19	107 1.04 17	122 2.17 17
H 250122 99192510 H25122		KVS 210173 H 210141	88 61	110 64	98 41	106 20	109 32	108 48			102 19	86 2.35 68	123 -0.97 34	92 12	110 20.4 64	98 0.0 41	110 79 42	113 32.8 24	111 143 21	109 -30 13	94 7.2 23	102 -5.1 37	107 -7.2 19	113 41.7 40	103 14 24	104 29 23	104 1.09 20	85 -1.75 18	96 0.06 18
H 250124 99192536 H25124		OLG 200013 HDH 120194	125 67	92 69	100 52	98 20	111 39	106 54	89 21	100 47	92 16	123 -0.84 72	100 -0.08 46	101 20	92 10.4 69	100 0.6 52	92 34 47	95 19.2 27	94 68 23	90 -8 17	94 7.3 25	114 -15.3 41	103 -6.4 27	106 36.8 49	101 13 24	101 25 23	99 0.66 17	99 0.03 16	103 0.69 15
H 250127 99251472 H25127		H 210026 HDH 080102	128 64	88 65	118 47	103 11	103 30	106 49			92 10	121 -0.68 69	123 -0.96 44	94 13	88 7.8 65	118 6.1 47	105 66 41	83 10.1 18	91 55 10	78 6 6	104 12.5 11	101 -5.0 30	100 -5.8 17	106 37.1 43	97 10 11	94 18 10	99 0.66 10	109 1.37 9	106 0.94 9
H 250131 99277543 H25131		H 200016 H 230051	102 65	112 67	97 44	93 18	117 35	117 51			101 18	99 1.22 71	111 -0.49 39	107 26	112 21.3 67	97 -0.1 44	106 68 43	110 31.1 22	97 80 20	97 -16 8	101 10.7 23	108 -10.1 44	114 -8.7 17	115 43.4 43	99 11 22	105 30 21	105 1.22 19	106 0.99 18	114 1.55 17
H 250134 99277576 H25134		H 220034 H 220149	100 60	99 63	87 39	114 13	98 32	93 47			82 18	103 0.81 67	88 0.38 34	86 6	99 14.1 63	87 -3.3 39	92 35 38	99 22.6 38	86 37 21	87 -5 11	95 7.6 24	95 0.0 38	98 -5.3 18	104 35.7 40	80 0 22	85 8 21	97 0.49 19	94 -0.55 18	102 0.57 17

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ID Number Name																													
H 250135 99294324 H25135	25	H 200016 H 230067	124 65	112 68	87 44	92 18	125 35	126 51			107 18	124 -0.99 71	147 -1.87 39	110 28 18	112 21.0 68	87 -3.3 44	96 45 43	108 29.7 24	104 112 19	105 -26 8	102 11.2 22	114 -14.8 46	125 -10.9 16	116 43.9 43	105 15 22	113 39 21	112 1.75 19	94 -0.60 17	108 1.08 16
H 250141 99398950 H25141		SP 210076 HDH 180079	108 65	119 69	104 46	87 17	106 35	125 51	116 20	123 45	119 24	104 0.79 72	111 -0.49 39	113 32 17	119 25.0 69	104 2.0 46	115 91 44	119 37.8 32	118 172 24	109 -31 14	123 22.6 28	114 -14.8 38	92 -4.2 22	107 37.9 45	115 21 28	116 42 27	113 1.86 25	113 1.84 23	108 1.07 22
H 250143 99398976 H25143	1	SS 170001 H 230064	98 66	117 68	75 48	92 33	108 40	108 54	105 43	106 52	102 42	93 1.68 71	118 -0.76 46	110 29 33	117 24.2 68	75 -6.8 48	92 35 50	110 31.2 34	103 109 42	95 -14 41	117 19.8 45	109 -10.7 49	97 -5.2 22	112 41.3 48	98 11 46	109 35 45	133 3.47 43	67 -4.07 41	103 0.65 40
H 250150 99423196 H25150	1	SP 210076 HDH 190023	87 66	116 68	108 48	83 29	125 36	121 53	113 20	119 46	111 20	83 2.59 72	110 -0.44 40	119 37 29	116 23.3 68	108 3.2 48	113 87 48	119 37.7 28	117 166 22	113 -35 16	102 11.3 24	119 -18.7 39	121 -10.2 24	110 40.0 44	112 19 24	109 34 23	98 0.57 21	110 1.47 20	97 0.17 19
H 250154 99465239 H25154	2	H 210005 H 200077	83 49	107 47	114 39	97 16	100 34	104 39			100 11	76 3.14 52	98 0.00 39	101 20 16	107 18.5 47	114 4.9 39	117 96 34	102 24.7 24	104 111 13	101 -21 10	99 9.8 14	98 -2.5 38	98 -5.4 23	107 37.4 41	101 12 14	103 28 14	97 0.56 11	101 0.27 11	97 0.22 11
H 250155 99476889 H25155	1	KVS 180387 H 230016	83 60	105 64	87 36	98 20	104 31	92 47			98 19	79 2.93 68	98 0.00 30	102 22 20	105 17.4 64	87 -3.1 36	93 37 40	109 30.2 30	107 124 23	106 -27 12	88 4.1 25	108 -10.4 35	98 -5.3 18	102 34.2 40	91 7 25	100 25 25	97 0.55 20	89 -1.20 18	89 -0.43 18
H 250156 99476897 H25156	16	H 210005 H 210157	102 62	96 65	100 44	125 20	105 34	101 49			93 9	97 1.38 68	116 -0.70 40	79 -1 20	96 12.4 65	100 0.8 44	104 64 43	92 17.2 23	98 88 11	96 -15 9	90 5.0 11	101 -4.7 38	97 -5.1 22	117 44.8 42	96 10 11	95 19 11	90 -0.08 9	101 0.30 9	95 0.03 8
H 250160 99520991 H25160		SP 210076 HDH 150173	76 65	129 68	116 48	79 15	99 35	122 51			127 20	59 4.67 71	79 0.75 40	123 41 15	129 30.5 68	116 5.5 48	129 124 44	128 44.6 28	126 205 22	116 -38 14	121 22.0 24	99 -2.9 38	97 -5.2 21	105 36.2 46	130 30 24	126 52 23	116 2.05 20	115 2.11 19	112 1.36 18
H 250162 99521007 H25162		SP 210076 H 230065	100 62	122 67	104 42	76 22	120 32	129 49			121 21	96 1.46 70	114 -0.62 32	129 47 22	122 26.8 67	104 1.9 42	112 83 44	123 41.1 26	121 183 22	116 -38 14	111 16.2 25	112 -13.3 38	118 -9.5 18	113 42.0 40	121 24 25	121 47 24	111 1.66 22	112 1.71 20	109 1.18 19
H 250165 99595456 H25165	1	SP 210076 H 220007	94 63	124 67	97 45	82 22	114 33	123 50	124 20	123 44	128 20	91 1.87 70	112 -0.52 36	121 40 22	124 27.6 67	97 -0.1 45	111 81 45	123 40.8 32	127 210 22	118 -41 15	117 19.7 25	105 -8.2 38	115 -8.8 20	111 40.3 42	126 28 24	123 50 23	111 1.69 21	121 2.96 19	117 1.81 18
H 250167 99604688 H25167		SP 210076 HDH 180076	82 54	133 70	110 49	76 23	118 36	134 51	131 21	134 45	133 21	81 2.75 58	97 0.05 37	129 46 23	133 32.8 70	110 3.7 49	126 117 47	132 48.2 32	134 240 24	120 -43 16	120 21.3 28	101 -4.8 40	129 -11.7 24	109 39.3 45	137 34 26	135 62 25	121 2.52 22	113 1.81 20	112 1.37 19
H 250168 99604696 H25168		SP 210076 H 230019	113 62	108 56	96 38	91 17	112 32	115 45	116 23	114 41	113 26	109 0.38 70	126 -1.06 32	109 28 17	108 19.1 56	96 -0.4 38	100 55 37	111 31.8 30	117 168 27	111 -33 17	102 11.5 30	108 -10.5 38	109 -7.6 19	107 37.9 39	109 17 30	111 36 29	98 0.62 27	106 0.92 25	94 -0.07 24

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ID Number Name																															
H 250171		KVS 210173		88	93	91	122	112	91			79	92	90	80	93	91	92		99	91	91	79	115	102	108	79	81	87	83	92
99666505		HDH 160094		63	65	43	15	34	49			19	1.76	0.33	0	10.7	-2.0	34		22.5	56	-10	-1.2	-15.6	-6.1	38.6	-1	4	-0.34	-2.00	-0.23
H25171													69	39	15	65	43	41		23	21	13	23	38	22	43	24	23	20	18	18
H 250172		SP 210076		85	120	107	76	124	122	115	120	117	79	106	129	120	107	112		120	119	115	108	122	118	108	115	114	103	112	104
99666513		H 200091		64	54	44	28	35	46	20	41	20	2.93	-0.32	47	25.4	2.8	83		38.8	177	-38	14.9	-21.3	-9.4	38.4	21	40	1.04	1.76	0.72
H25172													71	37	28	54	44	42		30	22	15	25	39	24	42	25	24	21	20	19
H 250173	3	RD 200049		108	113	81	97	99	108			102	104	112	104	113	81	95		110	106	104	108	105	87	107	96	101	111	91	93
99748022		HDH 190046		67	69	47	19	37	52			18	0.76	-0.55	23	22.1	-5.1	42		30.9	122	-25	14.6	-7.5	-3.2	38.0	9	26	1.71	-0.95	-0.16
H25173													73	43	19	69	47	45		26	20	9	23	41	24	46	22	21	19	17	17
H 250174		SP 210076		81	128	99	79	117	124	128	125	129	83	94	125	128	99	115		128	130	119	118	109	120	107	131	129	118	112	113
99748030		HDH 190040		54	68	47	23	36	50	22	44	22	2.62	0.15	43	30.1	0.5	90		45.0	225	-42	20.1	-10.7	-9.9	37.7	31	56	2.21	1.72	1.45
H25174													58	36	23	68	47	46		31	24	16	29	39	24	45	26	25	22	21	20
H 250175		SP 210076		88	108	102	92	113	107	113	107	111	93	88	108	108	102	106		113	116	109	102	114	103	109	114	112	99	111	106
99761264		HDH 190028		65	68	46	18	36	51	20	45	21	1.69	0.39	27	19.3	1.2	68		33.5	162	-30	11.3	-15.3	-6.3	39.3	20	37	0.68	1.56	0.92
H25175													72	38	18	68	46	44		29	23	16	27	40	23	45	26	25	22	20	19
H 250176		RD 200049		96	102	95	107	96	97			93	96	103	92	102	95	100		100	96	94	96	94	95	105	95	93	99	97	93
99761272		HDH 190096		66	69	45	12	35	51			15	1.48	-0.19	12	16.0	-0.8	55		23.4	78	-13	8.2	0.6	-4.7	36.3	9	17	0.67	-0.20	-0.11
H25176													72	40	12	69	45	42		24	17	8	19	39	22	44	19	18	16	14	14
H 250177		SP 210076		101	117	111	82	110	124	124	123	124	98	111	119	117	111	117		119	126	127	120	108	106	108	122	119	106	109	116
99761280		H 220015		62	68	45	25	34	51	26	46	24	1.30	-0.49	38	24.2	4.1	95		37.8	208	-51	21.2	-10.1	-7.0	38.6	25	45	1.30	1.40	1.69
H25177													69	35	25	68	45	46		39	26	22	29	39	21	42	29	28	26	23	22
H 250180		SP 210076		98	118	108	81	123	127			125	95	110	121	118	108	114		120	124	116	115	114	122	112	124	124	113	114	110
99781270		H 230109		62	56	38	17	31	44			20	1.53	-0.45	40	24.8	3.0	89		38.5	196	-39	18.5	-14.9	-10.4	40.9	27	51	1.85	2.05	1.23
H25180													70	32	17	56	38	37		27	22	14	24	38	17	39	25	24	21	20	19
H 250181		OLG 200013		123	87	103	110	92	94			89	121	100	88	87	103	94		84	88	75	100	91	98	94	101	98	98	107	108
99822777		HDH 140134		53	50	45	16	33	42			16	-0.68	-0.06	8	7.4	1.7	39		10.9	45	9	10.3	3.3	-5.4	28.9	13	22	0.61	1.06	1.09
H25181													56	43	16	50	45	37		23	20	16	22	34	21	45	22	22	17	16	15
H 250182	2	RD 200049		84	116	97	85	101	105			106	91	86	117	116	97	105		115	106	103	100	106	93	105	105	106	104	101	100
99822785		HDH 190093		56	69	46	21	35	50			16	1.92	0.46	35	23.2	-0.1	68		34.7	121	-23	10.3	-8.2	-4.3	36.3	15	31	1.13	0.38	0.39
H25182													60	41	21	69	46	45		27	19	14	21	39	22	45	20	20	17	15	15
H 250183	2	SP 210076		93	114	106	82	114	116	117	115	120	93	104	120	114	106	110		116	120	114	108	110	115	102	117	115	98	123	110
99822793		H 220090		53	56	39	19	32	43	22	39	22	1.75	-0.24	38	22.6	2.5	79		35.8	182	-37	14.9	-12.1	-8.9	34.0	23	40	0.59	3.12	1.24
H25183													58	33	19	56	39	38		34	24	18	26	33	22	41	27	26	23	22	21
H 250186		OLG 200013		100	103	91	100	90	93	96	91	100	101	99	99	103	91	95		100	100	93	107	84	99	100	106	106	107	102	110
99822827		HDH 140181		54	68	51	18	39	50	23	45	18	1.07	-0.03	19	16.3	-2.1	41		23.0	96	-11	13.9	9.3	-5.5	32.9	16	31	1.36	0.46	1.22
H25186													57	44	18	68	51	46		28	26	18	29	40	27	49	25	24	19	17	17

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID	ID Number Name	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
H 250187 99822835 H25187		KVS 210173 H 220118		90 49	113 51	104 37	94 18	116 32	116 40	110 24	114 37	107 24	90 2.00 53	105 -0.25 33	105 24	113 21.9 51	104 1.9 37	113 86 35	119 38.1 32	115 159 25	120 -43 21	102 11.3 29	117 -17.2 38	104 -6.7 20	112 40.9 39	103 14 29	105 30 28	105 1.22 25	79 -2.47 22	103 0.67 22
H 260008 6020052772 H26008	1	RD 200049 HDH 170017		122 65	94 55	97 46	100 9	93 35	98 46			98 12	119 -0.55 71	100 -0.08 43	99 18 9	94 11.5 55	97 -0.1 46	92 35 37	91 16.3 18	101 100 14	96 -15 8	100 10.3 15	101 -4.3 39	86 -2.9 22	100 32.8 44	99 11 15	99 23 15	100 0.73 12	102 0.49 11	97 0.21 10
H 260009 6020254881 H26009		SP 210076 HDH 190071		84 52	116 56	103 42	86 19	113 35	113 44	119 20	113 39	118 20	77 3.13 56	103 -0.19 38	116 34 19	116 23.3 56	103 1.7 42	111 80 39	118 37.0 33	121 187 23	115 -37 15	109 15.1 25	113 -14.4 40	111 -8.0 21	102 34.3 44	123 26 25	119 45 24	105 1.16 21	113 1.81 19	108 1.05 18
H 260010 6020254899 H26010		SP 210076 H 220080		103 53	109 55	119 38	81 21	108 32	118 43	114 25	116 39	117 24	100 1.09 58	108 -0.37 33	121 39 21	109 19.8 55	119 6.5 38	115 92 38	112 32.2 30	117 169 25	115 -37 22	116 18.9 28	102 -5.5 38	111 -8.0 17	106 36.8 40	117 22 29	112 37 28	100 0.79 25	116 2.20 23	116 1.74 22
H 260012 6020254915 H26012		SP 210076 H 220044		90 53	120 56	95 40	88 16	107 33	115 43	119 22	115 39	120 24	91 1.88 58	101 -0.12 31	114 32 16	120 25.9 56	95 -0.8 40	109 76 37	121 39.2 30	122 189 25	116 -39 15	119 20.8 28	109 -11.2 38	100 -5.8 20	105 36.2 40	116 22 29	116 42 28	111 1.68 26	112 1.71 23	106 0.88 23
H 260014 6020286867 H26014	2	SP 210076 H 220065		85 53	122 56	98 40	80 19	119 34	120 43	119 22	119 39	121 22	78 3.03 58	104 -0.24 34	123 42 19	122 26.8 56	98 0.2 40	110 77 38	122 40.3 34	122 191 24	116 -39 18	108 15.0 26	116 -16.7 39	115 -8.9 22	106 37.1 42	119 24 27	116 42 26	101 0.82 23	118 2.54 22	104 0.72 21
H 260015 6020286875 H26015	2	SP 210076 HDH 160125		100 65	106 54	111 48	80 24	128 34	119 47	110 20	116 42	111 21	102 0.98 71	97 0.06 40	122 41 24	106 18.1 54	111 3.9 48	106 68 42	110 30.9 26	113 152 22	106 -27 17	103 11.8 24	125 -23.8 38	123 -10.5 22	109 39.4 41	117 22 25	109 34 24	97 0.51 22	116 2.23 20	95 0.03 19
H 260016 6020286883 H26016	1	SP 210076 H 220005		102 63	106 57	106 42	93 17	112 34	113 46			115 20	98 1.29 70	113 -0.56 35	106 25 17	106 18.2 57	106 2.5 42	108 74 39	110 30.8 32	119 177 21	114 -37 15	102 11.3 23	113 -14.6 39	101 -6.0 21	110 40.0 41	117 22 23	112 37 23	96 0.43 21	115 2.16 19	101 0.53 18
H 260021 6020347560 H26021	1	SP 210076 H 210039		88 64	121 57	113 44	84 18	114 34	124 46			125 20	83 2.55 71	114 -0.60 36	117 35 18	121 26.0 57	113 4.8 44	122 109 40	122 40.0 29	127 209 21	118 -41 15	112 17.1 24	100 -3.5 39	119 -9.8 21	113 41.5 41	130 30 24	125 52 23	111 1.70 21	114 1.97 19	113 1.45 18
H 260025 6020347602 H26025	1	SP 210076 H 220004		88 62	117 52	110 39	85 17	110 32	118 43	121 20	118 38	121 20	83 2.56 69	115 -0.65 35	116 34 17	117 24.2 52	110 3.8 39	118 97 36	121 39.2 29	124 197 22	119 -42 15	108 15.0 24	109 -11.1 35	104 -6.6 20	110 39.6 41	122 25 24	119 45 23	105 1.20 21	113 1.90 19	105 0.87 18
H 260031 6020482615 H26031		H 220134 H 200171		131 50	102 49	101 41	98 17	115 33	121 40			102 18	124 -0.92 52	121 -0.90 40	101 20 17	102 15.7 49	101 0.9 41	101 58 36	101 23.7 29	99 92 20	102 -22 9	94 7.1 22	115 -15.4 38	106 -6.9 23	112 41.4 39	101 13 22	104 29 21	102 0.90 19	106 0.97 18	106 0.90 17
H 260032 6020482623 H26032		H 220134 HDH 190070		99 51	105 49	103 44	95 16	131 34	118 41			109 18	97 1.39 53	109 -0.41 41	104 23 16	105 17.6 49	103 1.5 44	105 67 36	105 26.6 33	109 131 20	105 -26 9	100 10.3 22	121 -20.5 39	132 -12.3 23	110 40.0 40	113 20 22	112 38 21	104 1.10 18	110 1.51 17	110 1.20 17

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

Value <80 Value >120

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID	ID Number Name	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
H 260034 6020482649 H26034	1	H 220134 H 210127		114 63	103 47	88 37	103 16	118 32	112 41			100 19	108 0.39 69	116 -0.68 39	96 15 16	103 16.3 47	88 -2.8 37	94 40 33	99 22.4 28	101 101 21	102 -22 11	93 6.4 23	108 -10.1 37	120 -10.0 22	111 40.6 38	102 13 23	104 29 22	99 0.70 20	106 0.94 18	102 0.58 18
H 260035 6020482656 H26035	2	H 220134 H 220011		144 63	85 47	100 38	102 20	99 32	101 42	93 22	97 38	97 23	137 -2.08 69	107 -0.35 38	97 16 20	85 6.3 47	100 0.7 38	86 20 35	85 11.2 38	97 83 23	104 -25 19	98 9.1 26	91 3.2 37	100 -5.8 21	111 40.7 37	93 8 27	94 18 26	89 -0.15 24	109 1.36 22	113 1.50 21
H 260036 6020542327 H26036	1	H 220134 H 210130		109 63	104 48	98 39	98 16	109 33	109 42			103 18	106 0.57 69	129 -1.21 40	101 20 16	104 16.6 48	98 0.2 39	101 57 34	100 23.1 28	103 109 19	104 -25 9	95 7.6 21	101 -4.9 38	107 -7.2 23	114 42.6 38	106 16 21	104 29 20	98 0.62 18	110 1.44 17	101 0.49 16
H 260044 6020551997 H26044		H 230008 H 210162		122 62	97 43	104 34	97 14	116 31	114 39			101 10	120 -0.60 68	137 -1.48 36	101 20 14	97 13.2 43	104 1.8 34	100 53 30	91 16.2 18	98 86 11	94 -13 7	100 10.4 12	107 -9.3 36	116 -9.0 19	114 42.5 37	106 15 12	105 30 12	105 1.14 10	106 0.96 9	106 0.90 9
H 260045 6020552003 H26045		SP 210076 H 230174		127 62	105 56	98 37	90 16	123 30	123 44			111 20	120 -0.60 70	116 -0.69 31	110 29 16	105 17.3 56	98 0.0 37	98 50 36	106 27.9 26	110 138 21	105 -25 14	106 13.4 24	121 -20.9 37	117 -9.2 15	109 39.2 38	111 19 24	110 35 23	101 0.84 21	116 2.22 19	109 1.16 19
H 260046 6020571292 H26046		H 230008 H 220013		108 62	104 40	114 37	90 17	110 30	115 38	99 20	110 34	105 17	104 0.75 68	112 -0.53 36	109 28 17	104 16.9 40	114 5.0 37	111 82 31	100 23.4 24	103 106 19	108 -29 18	109 15.3 22	106 -9.0 34	105 -6.8 17	110 39.8 38	107 16 22	106 31 21	106 1.29 18	98 -0.05 16	113 1.48 16
H 260048 6020572274 H26048		H 230008 H 210211		112 62	108 44	90 35	94 13	114 30	113 39			108 10	109 0.31 68	130 -1.22 36	106 25 13	108 18.9 44	90 -2.3 35	96 45 31	101 24.1 16	103 109 12	102 -22 5	104 12.7 14	106 -8.7 36	113 -8.4 18	114 42.2 36	109 17 13	111 36 13	111 1.64 11	103 0.59 10	109 1.15 9
H 260051 6020615792 H26051		SP 210076 HDH 170161		75 64	118 53	116 44	85 18	121 32	120 45	116 20	119 40	122 20	64 4.20 71	76 0.85 38	116 34 18	118 24.3 53	116 5.5 44	122 108 38	122 40.5 28	120 178 22	108 -29 15									

Breeding Values and Accuracies: Cows

Green: >120 High
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Inbreeding in red is high										Value <80		Value >120		Breeding values with an accuracy < 5% are not printed																
Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																														
H 260069	6020672660	1	SP 210076 H 220123	86 53	120 56	100 41	90 17	112 34	118 43			119 20	73 3.45 58	108 -0.39 33	110 29 17	120 25.7 56	100 0.7 41	114 89 38	120 38.5 32	121 187 21	116 -39 15	109 15.2 24	111 -12.7 39	104 -6.7 21	112 41.0 41	119 24 24	117 43 23	101 0.88 21	115 2.10 19	105 0.86 18
H 260071	6020694748		H 230008 H 210117	119 50	98 40	91 38	100 16	110 33	106 36			99 14	116 -0.25 53	131 -1.29 37	99 19 16	98 13.5 40	91 -1.9 38	91 31 31	94 18.7 21	98 85 15	98 -18 12	92 5.9 17	106 -8.9 38	105 -6.8 22	112 41.2 38	104 14 17	102 26 16	96 0.42 14	108 1.17 13	102 0.55 12
H 260074	6020715212		H 230008 HDH 140066	117 47	96 40	100 40	96 11	106 33	104 36			96 10	112 0.08 49	112 -0.54 38	103 22 11	96 12.5 40	100 0.7 40	95 42 30	90 15.1 19	94 68 13	93 -12 6	100 10.5 15	108 -10.0 38	100 -5.7 21	104 35.8 40	102 13 13	101 26 13	105 1.17 10	101 0.28 9	106 0.93 9
H 260076	6020731987		H 230078 HDH 170059	113 46	105 50	91 43	98 12	107 33	109 40			101 12	107 0.53 48	119 -0.82 40	101 21 12	105 17.5 50	91 -2.1 43	96 45 35	103 25.4 20	101 100 12	98 -17 6	108 14.5 14	119 -18.8 40	88 -3.3 20	108 38.5 40	101 13 14	106 31 14	108 1.43 12	96 -0.37 11	97 0.21 11
H 260077	6020731995		H 230008 H 220041	134 47	106 44	95 37	89 12	116 31	124 36			107 18	129 -1.35 51	129 -1.20 33	112 31 12	106 18.2 44	95 -0.7 37	97 48 31	102 24.4 32	102 105 19	103 -24 7	112 16.7 21	114 -15.0 37	111 -8.1 20	108 38.4 37	107 16 21	110 35 20	120 2.38 18	100 0.24 17	108 1.09 16
H 260080	6020734536		SP 210076 H 230100	105 52	113 56	98 37	86 17	112 31	117 42			120 21	103 0.85 58	107 -0.34 29	116 34 17	113 22.1 56	98 0.1 37	105 65 37	117 36.1 27	121 184 22	115 -38 14	109 15.1 25	106 -8.8 38	108 -7.3 17	113 41.9 39	120 24 25	120 46 24	108 1.39 22	110 1.51 20	108 1.07 19
H 260081	6020734544	3	H 230008 H 210019	113 50	103 45	105 38	99 15	110 32	114 38			101 10	111 0.13 53	134 -1.39 37	99 18 15	103 16.4 45	105 2.3 38	107 71 33	98 21.9 21	99 90 12	98 -18 8	97 8.6 13	106 -8.5 38	104 -6.5 21	115 43.2 37	104 14 13	105 30 13	104 1.14 11	99 0.12 10	102 0.56 10
H 260083	6020734577	1	H 230008 H 230098	133 47	96 43	87 31	104 12	105 29	106 35			93 12	127 -1.24 51	130 -1.23 29	95 15 12	96 12.5 43	87 -3.3 31	86 21 29	92 16.7 18	91 55 15	95 -15 9	91 5.3 17	95 0.1 35	110 -7.8 16	108 38.2 35	92 7 17	96 21 16	98 0.58 13	102 0.41 12	106 0.95 12
H 260096	6020827553		H 230078 HDH 180129	133 48	103 50	75 42	104 12	106 30	109 39			96 11	129 -1.39 50	133 -1.37 40	97 16 12	103 16.3 50	75 -6.9 42	82 11 35	100 23.2 21	94 71 16	94 -13 10	105 13.0 19	98 -2.3 32	111 -8.0 20	107 37.4 39	88 5 19	97 22 18	106 1.24 12	99 0.07 10	105 0.84 10
H 260097	6020827561	1	H 230078 H 210056	116 48	110 45	94 39	91 18	103 33	114 38			108 22	114 -0.06 51	133 -1.35 37	109 28 18	110 20.4 45	94 -0.9 39	101 58 34	106 27.6 24	102 105 22	100 -19 8	115 18.6 25	102 -5.1 38	94 -4.6 22	113 42.2 38	102 13 25	111 37 24	113 1.82 23	111 1.59 21	111 1.34 21
H 260101	6020827603		KVS 210173 H 210071	95 50	110 48	96 40	97 18	112 34	111 40	102 22	107 36	104 26	96 1.48 53	101 -0.11 36	102 21 18	110 20.3 48	96 -0.6 40	105 65 35	114 34.1 28	106 119 28	104 -25 13	97 9.0 30	112 -13.2 38	103 -6.5 23	112 41.3 40	101 13 31	105 30 30	105 1.18 27	102 0.51 25	111 1.29 25
H 260106	6020838865		KVS 210173 H 200198	82 61	115 52	90 41	91 21	105 33	104 44			99 20	72 3.54 67	97 0.03 37	110 29 21	115 23.1 52	90 -2.3 41	102 59 38	115 34.9 26	107 126 22	107 -29 14	95 7.8 24	104 -6.9 38	102 -6.2 22	107 37.7 40	98 11 25	101 25 24	104 1.09 20	82 -2.15 19	95 0.03 18

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Animal			Selection Values									Birth		Wean				Growth			Fertility				Frame		Carcass		
Index EBV Acc	ID Number Name	% Inbreeding Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
H 260109 6020891625 H26109	KVS 210173 H 220191		110 61	112 50	97 34	90 13	115 32	120 41	113 20	118 37	112 24	104 0.75 68	117 -0.72 33	110 29 13	112 21.5 50	97 0.0 34	105 67 32	113 33.4 26	117 166 26	115 -38 13	103 12.3 29	107 -9.3 37	114 -8.7 21	114 42.2 37	111 18 29	113 39 28	112 1.74 25	89 -1.18 23	100 0.43 23
H 260112 6020891641 H26112	H 230008 H 230018		116 60	98 44	94 33	99 13	103 29	102 38			96 19	109 0.30 67	121 -0.87 33	100 19 13	98 13.6 44	94 -1.1 33	93 36 30	94 18.5 20	95 73 20	93 -12 10	96 8.0 23	104 -6.8 36	96 -5.0 16	109 39.2 36	93 8 23	100 24 22	99 0.67 20	98 -0.12 18	101 0.52 18
H 260115 6020891666 H26115	H 220134 HDH 190050	1	91 64	110 43	96 40	91 17	106 34	105 41			112 19	99 1.23 70	79 0.76 42	109 28 17	110 20.2 43	96 -0.3 40	103 61 33	107 28.9 28	111 144 21	104 -25 10	105 12.8 25	100 -3.6 37	107 -7.2 24	108 38.6 40	118 23 23	117 42 22	112 1.73 20	106 0.92 18	108 1.04 18
H 260116 6020891674 H26116	H 220134 HDH 140202		126 63	89 44	99 44	97 15	108 28	101 40			95 16	126 -1.10 69	92 0.25 41	102 21 15	89 8.7 44	99 0.4 44	88 25 34	85 11.8 23	90 54 17	83 0 6	97 8.6 19	104 -7.4 30	106 -7.0 16	108 38.4 37	98 11 19	95 19 18	96 0.41 17	117 2.37 16	107 0.98 15

Selection List on Cow Value

Bulls 2 years and older

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value									
Sorted on ID							nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc									
										★★★★★★																	
1	H	240065	H24065	KVS 130164	H 210212	0.7	HH	1	0	0	🇬🇪	114	84	114	82	95	80	94	77	131	79	130	76	120	78	129	76
2	H	240069	H24069	KVS 130164	HDH 190070	0.5	HH	0	0	0	🇬🇪	94	84	109	84	122	80	99	76	149	79	136	77	118	78	133	77
3	H	240147	H24147	KVS 130164	H 210033	0.4	HH	0	0	0	🇬🇪	117	83	116	84	109	80	104	78	131	79	141	77	116	78	138	77
4	H	240153	H24153	H 210034	HDH 120194	6.3	HH	1	0	0	🇬🇪	95	82	119	82	115	77	75	74	125	76	130	74	112	73	126	74
5	SP	210076	SP210076	JH 170074	HH 150041	0.3	HH	0	0	0	🇬🇪	84	91	129	92	113	85	77	82	121	84	133	83	137	82	135	83
										★★★★★																	
1	H	220192	H22192	HDH 170171	H 200071	0.8					🇬🇪	127	65	116	66	93	48	91	24	106	41	126	52	106	24	121	46
2	H	230078	H23078	H 200016	HDH 180079	0.1	HH	0	0	0	🇬🇪	105	84	122	85	87	80	85	77	109	79	121	77	109	78	118	77
3	H	240036	H24036	H 200016	HDH 140075	0.2	HH	0	0	0	🇬🇪	90	84	121	84	102	79	84	77	110	79	120	77	110	77	117	77
4	H	240048	H24048	H 200016	H 210054	0.2	HH	0	0	0	🇬🇪	89	84	130	84	91	80	79	78	120	80	128	77	119	78	126	77
5	H	240067	H24067	KVS 130164	HDH 120133	0.5	HH	0	0	0	🇬🇪	102	81	108	82	106	80	97	77	131	79	124	75	115	78	122	76
6	H	240068	H24068	KVS 130164	HDH 160064	0.6	HH	0	0	0	🇬🇪	111	85	111	85	100	81	100	78	131	80	129	78	110	78	125	78
7	H	240073	H24073	KVS 130164	H 210049	0.8	HH	0	0	0	🇬🇪	85	85	120	85	118	81	92	79	110	81	124	78	114	80	122	78
8	H	240083	H24083	H 210034	H 210073	0.1	HH	0	0	0	🇬🇪	100	82	114	79	113	77	87	75	124	76	128	73	101	75	123	73
9	H	240091	H24091	H 200016	HDH 190050	0.1	HH	0	0	0	🇬🇪	85	85	129	84	93	80	83	78	106	80	121	77	122	78	121	77
10	H	240129	H24129	H 200016	H 220041	0.2	HH	0	0	0	🇬🇪	126	84	119	84	81	80	83	77	112	79	126	77	110	78	122	77
11	H	240137	H24137	KVS 130164	H 220118	0.5					🇬🇪	110	65	109	59	112	46	95	25	127	42	128	49	113	40	125	47
12	H	240156	H24156	H 210034	HDH 190087	0.1	HH	0	0	0	🇬🇪	82	82	113	83	113	78	83	75	134	77	121	75	111	74	119	75
										★★★★★																	
1	H	230048	H23048	JH 190072	HDH 120182	0.1	HH	0	0	0	🇬🇪	88	84	121	84	96	80	98	77	93	79	111	77	120	78	111	77
2	H	230125	H23125	HH 170028	HDH 190083	0.4	HH	0	0	0	🇬🇪	102	85	105	85	112	81	96	78	110	80	113	78	106	79	111	78
3	H	240006	H24006	H 200016	H 200064	0.6					🇬🇪	112	55	106	66	87	45	95	31	112	37	110	50	105	22	107	44
4	H	240007	H24007	JH 190072	H 210095	0.5	HH	0	0	0	🇬🇪	87	82	123	85	98	81	92	79	106	80	118	77	125	80	119	78
5	H	240015	H24015	RD 190041	H 200171	2.1	HH	1	0	0	🇬🇪	124	83	93	83	107	79	110	76	119	78	114	76	82	76	106	76
6	H	240019	H24019	H 210020	HDH 190056	0.8	HH	1	0	0	🇬🇪	86	79	119	83	94	78	87	75	113	77	114	75	114	74	113	75
7	H	240037	H24037	H 200016	H 210056	0.2	HH	0	0	0	🇬🇪	133	85	108	85	85	81	92	79	106	81	117	78	102	78	113	78
8	H	240038	H24038	JH 190072	H 210039	0.8	HH	0	0	0	🇬🇪	107	83	110	83	96	78	94	75	105	78	111	76	113	76	110	76
9	H	240066	H24066	HH 190014	H 210157	0.2					🇬🇪	88	63	113	65	98	47	115	28	118	37	116	51	104	21	113	45

Selection List on Cow Value

Bulls 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value									
Sorted on ID						nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc									
											★★★★★															
10	H 240080	H24080	H 200016	HDH 160043	0.2	HH	0	0	0	6	96	85	109	85	105	81	95	78	114	81	114	78	100	78	110	78
11	H 240145	H24145	H 210034	HDH 170097	0.1	PcH	0	0	0	6	93	79	118	83	101	78	89	75	102	77	114	75	119	75	114	75
12	H 240158	H24158	H 210034	HDH 190096	0.1						86	64	118	68	105	44	91	13	109	33	116	50				
13	H 240179	H24179	OLG 200013	HDH 180142	2.0						86	66	119	69	99	47	94	19	97	39	110	53	107	22	108	47
14	H 240199	H24199	SP 190088	HDH 180079	0.1						88	65	114	54	108	45	93	16	105	35	113	46				
15	KVS 210173	KVS210173	KVS 180301	KVS 120092	7.6						83	66	120	75	95	47	99	18	115	41	118	55	119	33	117	51
											★★★★★															
1	H 200065	H20065	OLG 160017	HDH 140188	0.0						84	64	115	64	107	48	79	25	88	35	101	50	106	34	100	47
2	H 230040	H23040	JH 190072	HDH 190087	0.2	HH	1	0	0	6	83	85	115	85	97	81	91	78	111	80	109	78	114	79	109	78
3	H 230097	H23097	H 200016	HDH 160259	0.3	HH	0	0	0	6	83	85	114	85	85	81	91	78	115	81	105	78	102	78	103	78
4	H 230194	H23194	JH 190072	H 210072	0.1	HH	1	0	0	6	111	82	96	82	88	80	108	78	125	79	106	76	101	78	103	76
5	H 240014	H24014	RD 190041	H 200042	0.6	HH	1	0	0	6	127	83	87	80	105	78	111	76	115	78	107	75	88	76	101	75
6	H 240032	H24032	H 200016	HDH 190071	0.2	HH	1	0	0	6	87	84	111	82	93	80	92	78	107	80	104	76	103	78	101	76
7	H 240033	H24033	H 200016	H 210037	0.3	HH	0	0	0	6	90	84	112	85	95	81	92	78	106	80	107	77	103	78	104	77
8	H 240061	H24061	KVS 130164	HDH 140132	0.4	HH	0	0	0	6	129	84	79	84	101	81	122	77	129	80	106	77	93	78	101	77
9	H 240074	H24074		H 220049	0.0	HH	0	0	0	6	125	80	94	79	98	75	104	73	111	75	107	72	99	74	104	72
10	H 240125	H24125	H 200016	H 220005	0.2	HH	0	0	0	6	120	84	105	85	78	81	97	78	106	80	106	77	106	78	104	77
11	H 240134	H24134	H 210014	HDH 190149	1.4						102	63	97	43	98	36	107	14	108	33	100	40				
12	H 240142	H24142	HDH 160087	HDH 190026	0.3						86	67	114	66	109	47	94	21	85	41	104	52				
13	H 240161	H24161	H 210020	HDH 170021	4.5						81	64	113	66	103	44	99	14	103	36	107	50				
14	H 240175	H24175	OLG 200013	HDH 190105	1.8						122	65	92	52	96	44	107	18	108	34	103	45	86	20	97	40
15	H 240207	H24207	RD 200049	HDH 190040	0.5						95	55	114	55	90	45	87	20	100	36	106	45				
16	H 240209	H24209	JT 150001	H 220070	0.6						115	66	100	53	108	46	93	22	98	36	106	46	100	21	103	41
17	RD 200049	DONALD	HHH 130004	RD 170014	1.5						99	84	119	88	90	52	89	14	87	46	107	65	115	21	107	56
											★★★★★															
1	H 210014	H21014	SZ 170013	HDH 170089	0.2						83	71	95	53	103	42	112	16	102	42	90	47	85	20	85	42
2	H 210066	H21066	VV 140112	HDH 170075	0.6						79	69	110	60	94	57	99	30	91	48	94	53	92	28	90	48
3	H 240012	H24012	JT 150001	H 210046	1.3						102	65	105	49	91	44	99	20	87	35	95	44				

Selection List on Cow Value

Bulls 2 years and older

ID				Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value							
Sorted on ID									nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc							
													★★★★														
4	H	240016	H24016	JT 150001	H 210012	0.8	HH	0	0	0	6.4	85	84	115	83	94	81	107	77	84	80	99	77	106	77	98	77
5	H	240021	H24021	RD 190041	H 200098	0.5						122	63	82	63	99	42	113	18	112	36	96	49				
6	H	240042	H24042	JH 190072	H 210094	0.6	HH	1	0	0	6.4	84	85	110	85	85	81	97	79	106	81	98	78	108	80	98	78
7	H	240043	H24043	VV 060027	H 210031	1.1						85	68	106	69	105	55	110	27	88	49	97	56	94	29	94	51
8	H	240044	H24044	JH 190072	H 210211	0.6						87	65	103	67	84	44	105	22	105	37	93	51	104	29	92	47
9	H	240045	H24045	JH 190072	H 210130	0.7						118	66	94	68	89	47	104	22	103	39	97	52	102	30	95	48
10	H	240047	H24047	VV 060027	H 210117	1.0	HH	0	0	0	6.4	103	84	95	84	95	81	119	78	86	81	90	77	92	78	87	77
11	H	240064	H24064	JH 190072	HDH 180060	0.5						85	68	105	69	83	50	102	23	99	40	91	54	108	31	91	49
12	H	240110	H24110	OLG 200013	HDH 180032	0.1						99	65	96	57	105	46	106	16	94	37	94	47	96	20	92	42
13	H	240114	H24114	H 210020	HDH 130128	1.6						92	65	104	67	98	48	95	14	93	36	95	51				
14	H	240123	H24123	H 210014	HDH 190079	0.2						94	63	102	42	95	31	103	12	103	32	98	38				
15	H	240126	H24126	RD 200049	HDH 170031	0.6						77	65	107	53	101	43	98	9	92	35	92	45				
16	H	240211	H24211	JH 190072	H 220065	1.2						86	65	112	58	79	43	94	24	107	39	99	48	106	32	98	45
17	H	240224	H24224	H 210005	HDH 150196	3.2						90	46	93	65	107	45	106	12	98	35	90	46				
18	JH	190072	1972	SP 110076	JH 110090	1.1	HH	1	0	0	6.4	88	95	108	96	75	92	107	90	96	92	91	88	111	92	92	89
													★★★★☆														
1	H	240001	H24001	HDH 160087	HDH 120101	0.3						89	55	95	68	92	53	110	21	99	43	86	52				
2	H	240002	H24002	HDH 160087	HDH 150168	0.2						80	53	97	68	101	53	104	21	94	43	85	51				
3	H	240013	H24013	JT 150001	H 210123	0.2	HH	1	0	0	6.4	103	84	96	81	80	80	129	77	90	79	88	76	86	77	84	76
4	H	240034	H24034	VV 060027	HDH 170074	0.7						86	57	100	71	91	60	113	27	78	51	82	56	91	30	79	51
5	H	240055	H24055	JH 190072	HDH 170137	0.8						83	66	97	70	81	49	112	21	107	39	85	53	89	30	82	48
6	H	240166	H24166	OLG 200013	H 200198	0.1						93	65	101	57	89	46	95	24	92	38	87	48	92	21	84	43

Selection List on Cow Value

Cows 2 years and older

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	
Sorted on ID							nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	
									★★★★★★										
1	H	200032	H20032	VV 140112	HDH 170134	0.6					12276	10567	11472	8432	13354	13161	10028	12454	
2	H	210093	H21093	HH 170028	HDH 140141	0.5					12571	10369	13660	7929	11947	13257	10536	12753	
3	H	230144	H23144	DJW 180053	H 210010	4.2					8153	13267	10048	9329	11639	13150	11930	12946	
4	H	240164	H24164	KVS 130164	H 210097	0.3					11567	10869	11951	8438	13642	13455	11340	13152	
5	H	240172	H24172	KVS 130164	H 220071	0.5					12465	10758	11146	9025	13342	13349	11740	13147	
6	H	240197	H24197	H 200016	H 210093	0.2					13965	10868	10444	8121	11636	13051	10922	12545	
									★★★★★★☆										
1	H	200171	H20171	HH 150010	HDH 120163	0.3					13766	9872	11469	9923	12151	12859			
2	H	210097	H21097	HH 170028	HDH 160125	0.0					11173	10073	12871	7066	13449	12564	10136	12058	
3	H	220041	H22041	HDH 170171	H 200014	0.5					14066	10968	9759	8517	11648	12955	10224	12449	
4	H	220177	H22177	HH 170028	HDH 180076	1.2					11870	10071	12556	8935	11348	12058	10337	11654	
5	H	220191	H22191	VV 180207	H 200032	4.7					12071	10966	10049	8320	11647	12154	10825	11848	
6	H	230055	H23055	HDH 170171	HDH 170146	0.7					10066	11868	10550	8721	11348	12454	11225	12148	
7	H	230065	H23065	H 200016	HDH 170134	0.2					9970	12372	9559	6931	11844	12458			
8	H	230067	H23067	H 200016	HDH 190070	0.1					9569	11572	9958	9018	13743	12756			
9	H	230103	H23103	SP 190088	HDH 160047	0.1					8164	12067	10949	9517	11136	12051			
10	H	230109	H23109	H 200016	HDH 120143	0.1					10469	11369	10351	8518	12543	12454			
11	H	230128	H23128	HH 170028	HDH 150050	0.4					8756	10770	13956	9232	12045	12454	10336	11950	
12	H	230150	H23150	SP 190088	HDH 170021	0.2					7863	12366	11244	9014	10636	12050			
13	H	230172	H23172	H 200016	HDH 170005	1.7					13667	10070	10050	9718	11637	12053			
14	H	240031	H24031	H 200016	H 200032	0.2					13167	10468	9749	8923	12339	12353			
15	H	240076	H24076	H 210034	H 210141	0.1					12762	10666	10343	9521	10832	12149			
16	H	240078	H24078	KVS 130164	HDH 120182	0.2					10666	10870	11955	10722	11543	12555	10740	12152	
17	H	240079	H24079	H 210034	H 210164	1.7					11462	11065	10639	9413	11331	12348			
18	H	240095	H24095	H 210034	H 210081	0.2					9662	11466	12543	7723	11032	12349			
19	H	240128	H24128	H 210034	H 210205	0.1					10862	12065	10339	8313	10531	12448			
20	H	240150	H24150	KVS 130164	H 210038	0.0					10564	10268	11449	9926	12940	12153	9935	11649	
21	H	240154	H24154	H 210034	HDH 180078	0.1					10965	12168	10846	8414	10534	12851			
22	H	240193	H24193	SP 190088	HDH 170167	0.2					7363	12067	12044	9115	11535	12250			
23	HDH	140100	HDH14100	JL 090242	HDH 110161	0.1					8166	12069	12380	6829	11455	12160	11624	12053	

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID			Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				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			
								nt821	Q204X	F94L	Genomic tested	★★★★★☆☆										
24	HDH 170120		HDH17120	JL 120005	HDH 150052	0.9						8869	11164	10671	8826	13355	12058	10624	11751			
25	HDH 180090		HDH18090	HH 150010	HDH 110086	0.0						11576	10574	11775	10123	11654	12463					
26	HDH 190070		HDH19070	JL 120132	HDH 040094	0.0						8867	10572	11875	9419	15052	12860					
												★★★★★★										
1	H 200004		H20004	HH 150010	HDH 110115	0.0						12860	9269	11665	10422	11743	11755					
2	H 200014		H20014	ML 120027	HDH 130089	0.8						12759	10065	9673	8716	12047	11554					
3	H 200026		H20026	VV 140112	HDH 170158	0.5						9774	11069	11475	9843	10955	11762	10630	11456			
4	H 200060		H20060	OLG 160017	HDH 160125	0.2						7470	12169	10866	8030	11449	11658	10936	11354			
5	H 210017		H21017	HDH 160087	HDH 180142	2.4						9774	10571	10960	10424	11051	11259					
6	H 210019		H21019	HDH 160087	HDH 180090	0.2						10272	10271	11762	10623	10451	11159					
7	H 210038		H21038	20164169	HDH 140202	0.0						10264	9970	11164	9340	12039	11056					
8	H 210039		H21039	HDH 160087	HDH 180051	0.5						8773	11872	11566	9123	10750	11960					
9	H 210054		H21054	VV 140112	HDH 130014	0.1						7866	12071	11264	8133	11153	11759	11036	11454			
10	H 210073		H21073	HDH 170171	HDH 110068	0.1						10971	10169	9553	9523	12150	11056	8832	10451			
11	H 210076		H21076	HH 170028	HDH 170097	0.2						9473	11073	11568	8631	10551	11261	11238	11156			
12	H 210099		H21099	HH 170028	HDH 170134	1.5						11172	10272	12362	8331	10750	11560	10236	11155			
13	H 210127		H21127	SZ 170013	HDH 180050	0.3						10873	10069	9058	11120	12850	11157	9222	10650			
14	H 210156		H21156	HDH 160087	HDH 130405	0.0						9872	10270	11666	9720	11646	11358					
15	H 210157		H21157	HDH 160087	HDH 160047	12.9						8672	11572	9268	12535	10450	11261					
16	H 220012		H22012	HH 170028	HDH 190047	0.4						9270	12068	12553	7932	9148	11956	11937	11852			
17	H 220015		H22015	HH 170028	HDH 170074	0.3						10362	11073	11268	8642	9950	11359	11337	11255			
18	H 220070		H22070	HH 170028	HDH 120002	0.5						13370	9369	12756	8729	11248	11957	9536	11353			
19	H 220104		H22104	SS 150092	H 200004	0.4						9768	11469	9959	9423	10246	11256	11342	11153			
20	H 220118		H22118	HH 170028	HDH 160064	1.1						10271	10670	11357	9032	11650	11658	10236	11254			
21	H 220126		H22126	HDH 170171	HDH 190046	13.5						13470	10869	7951	9824	11047	11756	10024	11250			
22	H 220129		H22129	HDH 170171	H 200075	2.4						13266	11168	9051	7929	10342	11854	10424	11448			
23	H 220156		H22156	HDH 170171	H 200069	2.6						13168	9865	8546	9520	11946	11153	9325	10647			
24	H 220194		H22194	HDH 170171	HDH 190107	0.3						8971	11469	10949	9424	10146	11155	10424	10849			
25	H 220195		H22195	HDH 190104	HDH 130084	6.9						8052	11368	10959	9214	10936	11150					
26	H 220197		H22197	HH 170028	HDH 120142	0.2						9869	10570	11757	9030	10344	11056	10038	10652			

Selection List on Cow Value

Cows 2 years and older

ID				Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				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						nt821			Q204X	F94L	Genomic tested																	
										★★★★★																		
27	H	220205	H22205	HDH 170171	HDH 190093	0.2						74	70	123	58	98	50	82	26	106	42	111	51	103	26	108	46	
28	H	230007	H23007	H 200016	JO 200009	0.2						115	53	108	58	88	45	96	19	104	34	110	45	94	20	105	40	
29	H	230064	H23064	H 200016	HDH 190047	0.1						92	69	124	70	103	56	85	33	95	43	117	56					
30	H	230068	H23068	H 200016	HDH 170139	2.1						117	67	106	71	101	50	97	19	101	44	112	55					
31	H	230069	H23069	H 200016	HDH 170167	1.7						86	67	111	70	105	47	93	18	112	38	111	53					
32	H	230072	H23072	H 200016	HDH 170158	0.2						85	67	121	71	98	51	91	22	109	39	116	54					
33	H	230081	H23081	RD 190041	H 200211	0.9						110	65	90	67	118	53	130	30	112	40	110	53					
34	H	230099	H23099	H 200016	HDH 140014	0.2						112	61	104	70	86	52	101	19	122	45	112	54					
35	H	230105	H23105	SP 190088	HDH 120163	0.2						123	64	97	68	117	50	93	13	111	37	117	51					
36	H	230108	H23108	H 200016	HDH 180040	0.1						105	65	120	70	87	48	84	21	98	40	113	53	113	20	112	46	
37	H	230112	H23112	JH 190072	H 210011	0.3						90	66	107	67	103	56	116	34	118	43	114	55	105	30	111	50	
38	H	230113	H23113	HH 170028	HDH 120215	0.0						128	67	91	69	140	56	87	29	105	44	117	56	98	35	113	52	
39	H	230120	H23120	H 200028	HDH 100076	3.4						108	49	94	65	120	49	97	16	117	42	111	48					
40	H	230121	H23121	HH 170028	HDH 110068	0.0						111	68	98	70	111	57	87	33	116	49	111	57	98	41	107	54	
41	H	230133	H23133	HH 170028	HDH 130128	0.3						142	68	92	70	122	56	93	30	90	47	112	57	98	38	107	53	
42	H	230146	H23146	SP 190088	HDH 130106	0.1						76	63	120	67	107	49	89	15	110	36	116	51					
43	H	230179	H23179	H 200016	HDH 130097	0.1						120	66	100	68	96	48	94	16	116	39	111	52					
44	H	230183	H23183	H 200016	HDH 190105	12.6						114	69	107	54	90	44	96	19	122	34	117	46					
45	H	240020	H24020	H 210020	H 200056	0.3						84	51	117	65	102	44	95	23	104	33	111	47	103	20	108	42	
46	H	240027	H24027	H 200016	H 200014	0.2						126	53	100	68	91	49	92	17	117	36	112	49					
47	H	240041	H24041	H 200016	JO 200009	0.2						101	65	116	70	87	46	94	19	104	34	112	52	97	20	107	46	
48	H	240051	H24051	H 200016	H 200077	1.0						89	65	123	66	97	43	84	21	104	38	117	51					
49	H	240063	H24063	HH 190014	H 210071	0.2						100	63	103	63	98	46	106	25	121	38	111	50	90	24	105	45	
50	H	240070	H24070	H 200016	HDH 120002	0.1						115	67	107	69	101	51	88	16	116	36	118	53					
51	H	240072	H24072	KVS 130164	HDH 140189	0.0						93	66	107	69	113	53	103	20	123	37	118	53	98	35	113	49	
52	H	240090	H24090	H 210020	H 200059	0.3						84	63	126	65	101	43	90	17	99	33	118	49	107	20	115	43	
53	H	240109	H24109	H 210034	H 210052	0.2						81	61	114	66	119	43	89	23	112	33	117	49					
54	H	240113	H24113	RD 200049	HDH 120143	0.6						87	65	112	68	110	47	88	12	106	36	110	51					
55	H	240118	H24118	RD 200049	HDH 190009	0.5						108	64	113	66	94	40	93	8	99	30	112	48					
56	H	240149	H24149	HDH 160087	H 200029	1.2						88	68	117	66	104	51	102	29	104	44	115	54	109	20	113	47	
57	H	240151	H24151	H 210034	HDH 110029	0.0						110	63	101	66	112	46	100	11	105	32	111	49					
58	H	240162	H24162	OLG 200013	HDH 170120	0.3						111	66	105	68	98	48	99	19	110	39	111	52	100	22	108	46	

Selection List on Cow Value

Cows 2 years and older

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value								
Sorted on ID							nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc								
									★★★★																	
59	H	240177	H24177	HDH 160087	HDH 140141	0.2					87	67	112	68	116	52	90	21	111	41	115	54				
60	H	240202	H24202	RD 200049	HDH 150018	2.4					104	65	112	69	93	48	97	14	99	37	110	52				
61	HDH	100076	HDH 10 76	JL 050117		0.0					134	61	89	62	117	74	91	11	113	48	112	53				
62	HDH	120002	HDH12002	JL 050117		0.0					125	71	91	67	122	78	88	11	119	47	115	58				
63	HDH	120143	HDH12143	JL 060247	HDH 060045	0.0					79	69	101	65	130	78	87	18	124	54	111	58				
64	HDH	120182	HDH12182	LH 060062	HDH 050038	0.0					100	66	107	69	125	80	106	18	88	51	112	59	98	36	108	54
65	HDH	120194	HDH12194	JL 050117	HDH 060003	0.0					119	72	95	70	106	80	84	26	135	55	116	62				
66	HDH	140075	HDH14075	JL 090242	HDH 110004	0.0					117	64	99	58	110	61	93	12	113	51	114	51				
67	HDH	160043	HDH16043	VV 110148	HDH 130071	0.4					71	72	112	69	136	77	91	19	112	55	117	60				
68	HDH	160064	HDH16064	VV 110148	HDH 120194	0.4					103	77	104	71	90	80	97	27	131	57	113	63				
69	HDH	170158	HDH17158	JL 120132	HDH 120179	0.2					88	72	116	75	118	78	99	32	104	55	119	64	111	24	117	56
70	HDH	180050	HDH18050	JL 120005	HDH 120057	1.2					105	70	108	66	96	75	90	25	129	56	119	59	110	26	116	52
71	HDH	180076	HDH18076	JL 120005	HDH 120066	0.2					98	73	109	75	115	77	85	37	115	56	118	64	107	23	115	56
72	HDH	190023	HDH190023	VV 110148	HDH 160125	0.0					98	75	104	65	101	75	84	50	127	54	111	61				
73	HDH	190056	HDH19056	JL 120005	HDH 130060	0.4					93	73	114	73	112	72	80	25	110	55	116	62	117	25	116	55
74	HDH	190105	HDH19105	HH 150010		0.0					115	66	94	56	98	61	105	22	129	38	111	50				
75	HDH	190188	HDH19188	HH 150010	HDH 080067	0.0					125	68	100	71	97	70	104	36	117	39	116	58				
									★★★★☆																	
1	H	200029	H20029	VV 140112	HDH 170028	1.4					90	75	103	60	113	65	114	41	107	55	109	58	95	28	104	52
2	H	200042	H20042	VV 140112	HDH 170047	1.6					139	74	90	56	94	55	103	30	102	54	104	54	91	28	99	49
3	H	200056	H20056	OLG 160017	HDH 110011	0.0					79	68	116	69	114	68	88	36	92	44	108	58	104	34	105	53
4	H	200059	H20059	OLG 160017	HDH 140202	0.0					78	72	117	69	111	65	87	23	88	46	104	58	101	34	101	53
5	H	200075	H20075	VV 160075	HDH 140100	0.2					97	74	112	74	97	74	68	49	110	52	108	64	105	21	106	55
6	H	200077	H20077	VV 160075	HDH 150059	1.3					80	70	114	57	119	57	90	25	96	51	109	53	98	20	105	46
7	H	200091	H20091	VV 160075	HDH 120194	0.2					97	74	104	63	99	67	74	48	127	53	108	59				
8	H	200211	H20211	JH 160078	HDH 150037	0.5					120	58	96	68	109	56	110	26	102	46	109	53	88	22	103	47
9	H	210052	H21052	VV 140112	HDH 170161	0.5					73	61	103	72	118	68	96	41	109	50	101	59	93	28	96	53
10	H	210056	H21056	VV 140112	HDH 160033	1.4					127	69	99	58	102	61	99	31	96	52	108	54	92	28	103	49
11	H	210071	H21071	VV 140112	HDH 160138	0.3					113	73	100	61	96	64	96	30	110	52	106	56	85	28	100	50
12	H	210077	H21077	HH 170028	HDH 170147	0.7					101	70	97	72	115	67	76	43	112	50	103	61	102	37	100	56

Selection List on Cow Value

Cows 2 years and older

ID		Name	Sire ID	Dam ID	Inbreeding	Myostatin	Calving Ease	Calf Growth	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	
Sorted on ID					%	nt821 Horned / Polled Q204X F94L Genomic tested	Value Acc	Value Acc	Value Acc	Value Acc	Value Acc	Value Acc	Value Acc	Value Acc	
							★★★★★								
13	H 210081	H21081	HH 170028	HDH 100037	0.0		8968	10070	13766	8141	10446	10859	10535	10554	
14	H 210094	H21094	HH 170028	HDH 160259	0.5		8271	10572	10866	9131	11050	10260	10337	10055	
15	H 210121	H21121	VV 160075	HDH 120144	0.1		8559	11171	11066	8725	10750	10857	9920	10450	
16	H 210130	H21130	HDH 160087	HDH 120163	0.2		10973	9771	10863	10021	10951	10659			
17	H 210162	H21162	HDH 160087	HDH 100026	0.0		10970	9467	11552	10220	11747	10955			
18	H 210164	H21164	SZ 170013	HDH 180082	2.7		11168	8969	10256	12919	11245	10355	7521	9548	
19	H 210205	H21205	HDH 180132	HDH 190060	0.2		9969	10868	9855	9319	9344	10255			
20	H 210211	H21211	HDH 180132	HDH 190107	0.2		9971	11168	8655	9619	11245	10955			
21	H 220001	H22001	VV 140112	HDH 190029	1.4		9664	10455	10253	10331	10148	10250	9328	9846	
22	H 220004	H22004	HDH 160087	HDH 130060	0.3		8963	10657	10755	9321	10045	10250			
23	H 220013	H22013	HH 170028	HDH 170122	0.1		9170	9858	13461	8730	10344	10553	10236	10350	
24	H 220024	H22024	HDH 170171	HDH 180032	0.5		10771	11670	8957	8917	8748	10757	11123	10650	
25	H 220031	H22031	HH 170028	HDH 140132	0.5		14270	8468	11654	9829	10648	10856	8936	10252	
26	H 220037	H22037	HDH 170171	HDH 180069	0.8		12162	10254	9739	10017	9239	10545	9522	10040	
27	H 220039	H22039	HDH 170171	HDH 180069	0.8		11959	10254	9739	10017	9238	10444	9522	10040	
28	H 220044	H22044	HDH 170171	HDH 180075	1.5		10269	11270	7756	9918	9348	10056	10124	9750	
29	H 220053	H22053	HDH 170171	HDH 180029	12.6		12268	10969	9656	9832	8047	10756	10324	10450	
30	H 220065	H22065	VV 160075	HDH 110068	0.0		8570	11670	8356	8329	11751	10758	10128	10352	
31	H 220080	H22080	HH 170028	HDH 140188	0.0		12769	9067	12552	8431	9644	10555	9035	10051	
32	H 220089	H22089	HH 170028	HDH 110128	0.5		13370	8469	11455	9630	10250	10257	8736	9653	
33	H 220090	H22090	VV 160075	HDH 110069	0.0		10769	10068	9853	8828	10746	10255	9628	9950	
34	H 220109	H22109	SS 150092	H 200043	0.8		10571	11268	8460	9625	10449	10857	11644	10854	
35	H 220123	H22123	HDH 160087	HDH 150096	1.9		8870	11170	8760	10623	10449	10357			
36	H 220136	H22136	FR 170052	HDH 150134	1.3		7169	11467	11449	9115	9945	10553	10822	10347	
37	H 220146	H22146	VV 180207	HDH 190030	1.1		11669	9667	9449	10523	11547	10654	9723	10248	
38	H 220161	H22161	SZ 170013	HDH 170120	1.1		8769	9367	10248	11820	12342	10053	8322	9447	
39	H 220165	H22165	SZ 170013	HDH 130149	0.1		10368	9169	9259	12117	12847	10356	7821	9549	
40	H 220185	H22185	VV 180207	H 200059	0.2		9370	11466	10046	8617	9445	10553	10628	10348	
41	H 230009	H23009	H 200016	H 200111	0.9		10653	10555	8244	10119	10635	10244			
42	H 230031	H23031	JH 190072	HDH 180159	0.8		8455	12170	8847	9522	9640	10751	11332	10647	
43	H 230042	H23042	HDH 170171	JO 200142	0.4		14066	9868	9949	8522	9345	10854	10730	10649	
44	H 230044	H23044	H 200028	HDH 120173	0.0		7263	10367	13059	9515	11539	10853			

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID				Name		Sire ID		Dam ID		% Inbreeding	Horned / Polled	Myostatin				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		
												nt821	Q204X	F94L	Genomic tested																	
														★★★★☆																		
45	H	230046	H23046	H	200028	HDH	150186	0.0							101	66	91	65	130	49	102	15	112	38	107	51						
46	H	230051	H23051	H	200028	HDH	160138	0.3							87	67	98	67	115	58	100	17	120	41	106	54						
47	H	230057	H23057	H	200028	HDH	160056	1.4							114	65	97	65	105	49	117	21	92	44	103	52						
48	H	230079	H23079	RD	190041	H	200219	0.6							86	60	102	62	107	40	105	15	108	31	102	46						
49	H	230100	H23100	H	200016	HDH	190028	0.2							132	67	98	69	83	48	96	20	103	43	104	54						
50	H	230102	H23102	HDH	190025	HDH	190009	0.3							141	63	88	65	97	41	106	16	100	32	103	48						
51	H	230122	H23122	SP	190088	HDH	160094	0.1							81	64	115	66	93	45	96	17	113	36	108	50						
52	H	230124	H23124	HH	170028	HDH	140188	0.0							133	69	84	68	125	60	83	42	107	43	106	57	88	35	100	53		
53	H	230135	H23135	SP	190088	HDH	170075	0.2							77	63	119	68	100	46	91	14	100	37	107	51						
54	H	230138	H23138	JH	190072	H	200026	0.9							87	61	109	68	95	51	103	30	110	45	106	54	107	32	104	50		
55	H	230139	H23139	SP	190088	HDH	150134	0.1							72	50	110	67	119	48	95	15	110	36	109	48						
56	H	230143	H23143	SP	190088	HDH	160173	0.0							107	50	95	68	91	49	104	15	123	32	104	48						
57	H	230145	H23145	JH	190072	H	210033	0.4							100	55	105	68	90	47	120	30	109	38	107	51	98	29	104	47		
58	H	230152	H23152	SP	190088	HDH	110013	7.1							97	64	102	67	92	47	101	20	110	39	101	52	89	26	96	47		
59	H	230160	H23160	DJW	180053	H	210021	1.6							84	56	117	68	86	47	104	27	106	44	108	52	107	31	106	48		
60	H	230174	H23174	H	200016	HDH	130407	0.0							145	68	87	68	83	48	106	15	126	39	109	52						
61	H	230175	H23175	H	200016	HDH	190060	0.1							125	67	94	70	97	48	103	24	114	38	108	53						
62	H	230176	H23176	H	200016	HDH	140068	0.2							133	65	101	70	86	51	93	19	105	44	109	54						
63	H	230197	H23197	H	200016	HDH	140184	0.0							104	56	99	55	93	49	105	18	113	32	103	44						
64	H	230199	H23199	H	200016	HDH	120142	0.3							114	58	102	70	91	51	97	17	101	44	103	53						
65	H	240011	H24011	JT	150001	H	210099	0.6							107	66	102	65	108	49	96	23	96	38	104	52	97	22	100	46		
66	H	240017	H24017	JT	150001	H	210156	0.6							84	66	110	65	103	50	96	19	101	36	103	51						
67	H	240018	H24018	H	210020	HDH	190122	2.4							89	52	114	66	93	43	95	17	106	32	108	47						
68	H	240023	H24023	VV	060027	H	210076	0.7							87	69	117	69	104	57	99	29	89	49	108	57	104	34	106	52		
69	H	240026	H24026	JH	190072	H	210017	0.9							89	69	113	68	91	45	101	23	105	40	106	53	110	30	105	48		
70	H	240030	H24030	JH	190072	H	210019	0.6							94	65	108	68	93	46	102	23	100	39	102	52	109	30	101	48		
71	H	240049	H24049	JH	190072	H	210121	1.1							86	64	110	68	91	47	96	23	101	39	100	52	106	30	98	48		
72	H	240054	H24054	H	200016	JO	200142	0.5							115	65	97	69	99	48	91	22	105	37	102	52	99	23	99	46		
73	H	240056	H24056	H	200016	HDH	190030	0.1							96	67	109	69	90	49	100	26	113	39	108	54						
74	H	240085	H24085	OLG	200013	HDH	170134	0.2							108	67	104	70	106	50	92	18	103	40	108	54	98	21	104	47		
75	H	240088	H24088	H	200016	H	220044	0.2							112	65	109	68	81	43	99	18	103	36	107	51						
76	H	240096	H24096	OLG	200013	HDH	160056	0.1							124	66	98	67	89	49	112	20	96	38	102	52	93	20	98	46		

Selection List on Cow Value

Cows 2 years and older

ID				Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				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						nt821			Q204X	F94L	Genomic tested																	
											★★★★☆																	
77	H	240102		H24102	RD 200049	HDH 140014	2.0						108	67	109	69	88	49	100	12	100	38	107	52				
78	H	240103		H24103	OLG 200013	HDH 170158	0.4						103	67	100	70	107	51	109	21	96	39	102	54	99	22	99	48
79	H	240104		H24104	H 200016	H 220028	0.1						123	65	104	68	92	43	98	18	101	36	109	51				
80	H	240116		H24116	OLG 200013	H 200211	0.2						120	63	95	56	102	42	110	19	95	36	102	46	92	22	97	41
81	H	240127		H24127	OLG 200013	HDH 120215	0.0						116	66	93	54	120	50	98	14	103	33	107	46				
82	H	240130		H24130	H 210014	HDH 080102	0.0						126	64	85	40	116	42	104	8	103	29	102	38				
83	H	240160		H24160	OLG 200013	H 200075	0.3						104	65	105	68	96	49	88	29	99	38	102	53	98	22	99	47
84	H	240163		H24163	OLG 200013	H 200091	0.2						107	65	101	66	96	47	91	29	107	38	103	52	94	22	99	46
85	H	240181		H24181	OLG 200013	HDH 190093	2.0						76	66	114	69	102	49	93	24	100	38	103	53	97	23	100	47
86	H	240188		H24188	OLG 200013	HDH 190023	0.3						112	67	104	68	94	50	94	29	107	39	108	54	98	21	104	47
87	H	240191		H24191	OLG 200013	HDH 190188	1.8						128	66	95	69	95	48	110	24	102	34	106	52	88	20	100	46
88	H	240195		H24195	RD 200049	HDH 120158	0.1						133	64	97	68	99	47	109	12	91	34	107	51	90	21	101	45
89	H	240196		H24196	RD 200049	HDH 150042	0.5						89	65	109	68	113	46	92	12	101	35	109	51				
90	H	240198		H24198	RD 200049	HDH 120142	0.4						110	65	108	68	93	48	94	11	93	36	105	51				
91	H	240205		H24205	RD 200049	HDH 190060	0.2						105	66	100	69	103	45	101	18	101	36	103	52				
92	H	240216		H24216	JT 150001	H 220031	0.6						116	66	95	53	103	46	99	22	96	37	100	46	97	21	96	41
93	H	240249		H24249	OLG 200013	HDH 150186	0.0						114	65	90	53	116	48	100	14	98	31	100	45				
94	HDH	120133		HDH 12-133	JL 060247	SP 070099	0.4						89	67	99	68	97	76	104	26	117	57	100	60	99	27	97	53
95	HDH	130056		HDH13056	JL 090242		0.0						94	70	100	64	99	75	96	12	113	44	100	56				
96	HDH	130196		HDH13196	JL 090242	HDH 050089	0.0						99	58	103	62	114	75	94	12	87	52	100	54				
97	HDH	140014		HDH14014	VV 110148	HDH 110086	0.0						109	74	94	71	90	81	115	20	113	58	100	63				
98	HDH	160056		HDH16056	SZ 110009	HDH 130041	0.3						123	70	94	61	86	73	129	27	105	53	103	57				
99	HDH	160125		HDH16125		HDH 110068	0.0						100	68	92	64	110	77	83	41	136	50	107	58	83	21	100	51
100	HDH	160138		HDH16138	ML 120027		0.0						103	72	95	65	97	75	91	14	123	44	102	56				
101	HDH	170139		HDH17139	H 110018	JL 100213	3.5						113	68	85	75	124	77	115	22	105	55	102	62	75	22	94	54
102	HDH	170161		HDH17161	JL 120132		0.0						71	66	102	60	118	68	93	24	122	43	104	53				
103	HDH	180060		HDH18060	JL 120005	HDH 110029	0.0						124	77	98	64	87	72	95	25	101	54	102	59	108	21	101	51
104	HDH	180078		HDH18078	VV 100149	HDH 060108	0.0						103	75	110	74	108	74	93	21	93	52	109	62	105	21	107	54
105	HDH	180079		HDH18079	VV 100149	HDH 100012	0.0						125	75	97	71	103	71	104	21	91	52	105	61	88	21	99	53
106	HDH	190030		HDH19030	JL 120005	HDH 110029	0.0						109	72	98	64	89	72	111	36	113	54	104	59	104	21	101	51
107	HDH	190040		HDH19040	JL 120005	HDH 140181	0.4						91	72	110	65	90	73	86	37	113	55	105	60	111	26	104	53
108	HDH	190046		HDH19046	VV 100149	HDH 160064	3.1						103	76	115	68	71	76	99	35	109	57	108	62	105	23	106	54

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID			Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				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			
								nt821	Q204X	F94L	Genomic tested	★★★★☆										
109	HDH 190050		HDH19050	JL 120005	HDH 140044	0.0						7175	11458	10665	8724	10352	10255	11421	10248			
110	HDH 190079		HDH19079	ML 140045	HDH 160102	0.2						12969	10166	8547	9714	10547	10853					
111	HDH 190087		HDH19087	JL 120132	HDH 100037	0.0						7570	10271	11571	9021	12951	10759					
112	HDH 190093		HDH19093	HH 150010	HDH 120003	0.1						7173	11874	10274	7739	11353	10863	10127	10556			
113	HDH 190122		HDH19122	DJW 150068	HDH 110069	0.1						10572	10460	9964	9525	10142	10454	10228	10149			
114	HDH 190130		HDH19130	DJW 150068	HDH 150135	0.3						8172	11570	10166	10327	8548	10159					
												★★★★										
1	H 200064		H20064	OLG 160017	HDH 170103	0.1						8866	10655	9063	10150	10749	9953	10936	9950			
2	H 200195		H20195	HH 170008	HDH 170017	1.4						10155	9268	10459	11215	9545	9252	9221	8846			
3	H 210031		H21031	HDH 160087	HDH 170122	0.2						8270	10369	11161	9921	10050	9857					
4	H 210046		H21c46	HDH 160087	HDH 180034	1.8						8965	11257	9349	9923	8944	9949					
5	H 210049		H21049	VV 140112	HDH 160011	1.5						7572	10770	11662	9931	8052	9259	9328	8953			
6	H 210117		H21117	HDH 160087	HDH 110013	7.1						11372	9159	8961	10826	10452	9455	9524	9149			
7	H 210141		H21141	HDH 160087	HDH 160071	12.9						8970	9871	10066	11835	10248	9659					
8	H 220005		H22005	HDH 160087	HDH 170059	0.9						11771	8671	9961	11421	10349	9458					
9	H 220007		H22007	HDH 160087	HDH 120091	0.3						9572	9971	9467	9934	10848	9660					
10	H 220011		H22011	HH 170028	HDH 160078	0.9						13971	7569	11560	10730	8947	9157	8236	8653			
11	H 220028		H22028	HDH 170171	HDH 170030	0.4						9870	10569	10158	9817	8947	9856	10023	9649			
12	H 220029		H22029	VV 160075	HDH 180040	4.1						11467	10170	9053	9027	8647	9456	10024	9250			
13	H 220096		H22096	HH 170028	HDH 170031	0.4						9471	9070	11461	10029	10649	9358	9436	9054			
14	H 220124		H22124	FR 170052	HDH 110013	0.2						8170	11267	8749	9420	10648	9954	10729	9849			
15	H 220154		H22154	HDH 160087	HDH 160094	12.9						8868	10069	9160	11334	10448	9457					
16	H 220164		H22164	SZ 170013	HDH 160173	0.1						12968	8068	7852	13218	11643	9354	6620	8447			
17	H 220171		H22171		HDH 160033	0.0						13661	8158	9733	1069	9424	9143					
18	H 220210		H22210	JH 160078	HDH 110163	0.0						10653	9352	11748	10019	9731	9943	8920	9438			
19	H 220240		H22240	HH 170028	HDH 170119	0.2						10253	9357	11651	9830	8643	9248	9636	8946			
20	H 230017		H23017	JH 190072	HDH 190029	0.9						8968	10567	8546	10721	10144	9553	10430	9348			
21	H 230019		H23019	JH 190072	HDH 140132	0.4						10569	9868	8249	10719	10245	9454	9430	9149			
22	H 230020		H23020	JH 190072	H 200213	0.5						8564	11466	8345	8922	9138	9551	11232	9547			
23	H 230026		H23026	JH 190072	HDH 140202	0.0						9054	9668	9451	10420	10741	9051	8728	8646			

Selection List on Cow Value

Cows 2 years and older

ID				Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value									
Sorted on ID									nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc									
													★★★★																
24	H	230029	H23029	JH 190072	H 200014	0.5							100	53	101	68	86	50	99	21	108	38	98	50	98	30	95	46	
25	H	230062	H23062	HDH 190025	HDH 190130	1.7							84	67	109	69	102	55	107	33	89	41	99	55	99	20	96	48	
26	H	230093	H23093	SP 190088	HDH 160077	0.2							79	63	102	67	99	46	106	15	110	35	97	50					
27	H	230098	H23098	HDH 190025	HDH 180129	0.5							138	64	88	67	80	45	118	17	93	41	94	51	82	21	88	45	
28	H	230106	H23106	H 200016	HDH 180249	0.2							89	69	110	70	88	49	93	17	100	42	99	54					
29	H	230114	H23114	JH 190072	H 200043	1.2							95	66	104	67	91	48	101	25	100	41	97	53	107	32	96	49	
30	H	230136	H23136	JH 190072	H 210038	0.0							84	54	104	68	93	47	100	24	109	36	97	50	95	28	94	46	
31	H	230147	H23147	SP 190088	HDH 130110	0.0							85	63	99	66	103	48	101	12	114	27	99	49					
32	H	230165	H23165	H 200016	HDH 180062	0.1							143	65	86	69	80	45	113	23	108	33	99	51					
33	H	230198	H23198	JH 190072	H 200039	1.3							87	56	107	67	77	48	118	33	95	40	93	51	101	32	91	47	
34	H	240028	H24028	VV 060027	HDH 160125	0.0							91	58	99	70	102	60	102	32	106	48	97	55	84	30	91	50	
35	H	240039	H24039	H 200016	H 200111	0.9							98	63	92	66	89	44	115	19	107	35	90	50					
36	H	240086	H24086	OLG 200013	HDH 160012	0.3							116	66	94	53	105	46	104	17	86	40	95	47	100	22	93	42	
37	H	240098	H24098	H 210020	HDH 160047	7.2							84	65	103	67	96	49	107	17	107	36	98	51					
38	H	240132	H24132	OLG 200013	HDH 190130	0.2							82	66	107	56	98	46	106	20	86	37	93	47	98	22	91	42	
39	H	240135	H24135	H 210014	HDH 170161	0.1							74	63	97	40	110	40	102	15	113	31	94	39					
40	H	240140	H24140	H 210014	HDH 170066	0.2							101	64	97	44	93	40	110	14	90	34	90	41					
41	H	240144	H24144	H 210020	HDH 120003	4.0							82	49	102	67	100	48	96	21	107	37	95	48	95	22	92	43	
42	H	240182	H24182	RD 190041	HDH 110128	0.3							127	65	74	66	107	47	129	14	115	37	97	51					
43	H	240187	H24187	OLG 200013	HDH 130084	0.3							77	64	105	69	108	52	100	16	100	39	98	53	98	23	95	47	
44	H	240192	H24192	OLG 200013	H 200140	0.1							76	62	106	65	107	45	93	22	101	36	97	50	95	27	94	45	
45	H	240210	H24210	JH 190072	H 220124	7.2							84	65	110	57	81	41	100	21	101	38	95	47	109	32	95	44	
46	H	240215	H24215	H 210005	HDH 150173	0.1							76	64	102	66	115	47	100	13	92	35	93	50					
47	H	240220	H24220	H 210005	HDH 140068	0.1							97	46	92	66	104	48	107	15	103	36	93	47					
48	H	240223	H24223	H 210005	HDH 190135	3.9							115	51	94	51	84	41	109	18	104	33	95	41					
49	HDH	110029	HDH11029		HDH 060047	0.0							123	62	80	60	106	74	119	32	93	48	90	54					
50	HDH	120003	HDH12003	SP 060039	HDH 090005	0.0							81	59	103	66	106	77	80	33	100	58	93	58	101	42	91	55	
51	HDH	120098	HDH12098	DJW 070077	HDH 050073	0.0							72	72	102	71	107	82	95	14	102	56	91	62	97	27	89	55	
52	HDH	130106	HDH13106	JL 060247	HDH 090006	0.4							71	67	102	69	107	79	97	19	100	54	91	59	90	22	87	52	
53	HDH	130128	HDH13128	DJW 070077	HDH 090130	0.4							115	70	102	69	109	78	90	17	74	54	98	60	102	31	97	54	
54	HDH	140134	HDH 14-134			0.0							135	64	76	48	111	64	111	32	97	36	94	47					
55	HDH	140202	HDH 14-202			0.0							114	63	80	60	113	76	98	31	107	35	91	53					

Selection List on Cow Value

Cows 2 years and older

ID			Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value							
Sorted on ID								nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc		Acc					
										★★★★																
56	HDH 160012	HDH16012	CJ 120001	HDH 130007	0.2					108	69	95	59	116	66	99	19	85	56	96	55	103	24	95	49	
57	HDH 160047	HDH16047	VV 110148	HDH 100008	0.0					88	71	99	68	106	80	115	24	103	54	99	60					
58	HDH 160173	HDH16173	ML 120027		0.0					144	67	81	70	65	80	107	19	125	42	95	58					
59	HDH 170021	HDH17021	CJ 120001	HDH 140095	1.8					73	67	99	60	116	68	104	15	93	54	90	54					
60	HDH 170059	HDH17059	CJ 120001	HDH 110086	0.0					109	64	88	71	95	72	115	13	105	54	93	58					
61	HDH 170066	HDH17066	VV 100149	HDH 080056	0.0					125	69	96	70	82	68	109	21	76	53	90	59	87	21	85	51	
62	HDH 170097	HDH17097	JL 120132	HDH 110111	0.2					88	68	106	75	96	77	96	25	102	57	98	63	107	27	97	56	
63	HDH 170153	HDH17153	JL 120132	HDH 120163	0.5					85	72	100	74	84	72	98	20	120	55	94	62					
64	HDH 180032	HDH18032	CJ 120001	HDH 140072	0.1					77	66	99	71	116	67	102	15	101	51	94	58					
65	HDH 190028	HDH19028	JL 120005	HDH 170019	0.6					109	74	97	63	84	71	96	25	103	55	94	58	106	22	93	51	
66	HDH 190071	HDH19071	JL 120132	HDH 140048	0.1					84	67	103	68	93	63	95	26	106	53	94	57					
67	HDH 190096	HDH19096	DJW 150068	HDH 110086	0.0					86	73	97	71	96	70	117	21	102	51	92	60					
68	HDH 190135	HDH19135	ML 140045	HDH 170025	0.5					146	73	87	68	59	63	112	27	103	49	91	58					
69	JO 200009	BIGJ JO 200009	LL 150177	JO 170118	0.1					102	59	99	70	95	65	105	19	95	40	95	54	84	30	90	49	
70	JO 200142	JO200142	BR 140016	JO 180032	0.4					102	64	91	65	116	71	85	31	96	48	92	56	104	38	91	52	
										★★★★☆																
1	H 200076	H20076	VV 160075	HDH 140014	4.9					103	75	97	61	72	63	104	25	108	53	89	56					
2	H 200198	H20198	VV 160075	HDH 140068	0.3					81	66	103	72	83	67	84	36	96	52	82	60					
3	H 210012	H21012	HDH 160087	HDH 170119	0.3					81	61	102	62	95	64	111	21	84	50	85	53					
4	H 210165	H21165	HDH 160087	HDH 120122	0.0					77	70	100	68	107	54	107	20	76	46	83	55					
5	H 220058	H22058	VV 160075	HDH 170025	1.0					119	69	88	68	91	52	103	25	86	50	85	56					
6	H 220074	H22074	VV 160075	HDH 180079	4.1					92	69	96	70	97	53	101	25	91	45	86	56	87	20	82	49	
7	H 220078	H22078	VV 160075	HDH 180131	2.4					88	67	98	69	89	50	98	24	87	43	81	54					
8	H 220122	H22122	HDH 160087	HDH 140066	0.2					87	69	94	69	100	60	107	21	92	48	84	57					
9	H 220149	H22149	SZ 170013	HDH 130159	1.1					87	68	94	69	76	59	131	17	96	46	80	56	75	24	74	50	
10	H 230013	H23013	JH 190072	HDH 170137	0.8					95	66	91	58	80	48	119	21	107	39	85	49	84	30	81	45	
11	H 230016	H23016	JH 190072	HDH 190071	0.3					92	69	92	71	81	56	99	34	110	45	82	57	99	30	81	52	
12	H 230018	H23018	JH 190072	HDH 140060	0.2					110	69	85	69	93	50	106	20	90	43	81	54	90	30	79	49	
13	H 230039	H23039	JH 190072	HDH 130056	0.2					89	67	91	69	91	51	112	19	105	37	85	53	84	29	81	48	
14	H 230096	H23096	HDH 190025	HDH 170031	0.3					89	51	92	65	102	45	105	17	92	37	83	47					

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin nt821 Q204X F94L Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
											★★★☆☆				
15	H 240009	H24009	RD 190041	HDH 100061	0.0		101 42	80 47	109 42	119 12	105 29	86 37			
16	H 240022	H24022	RD 190041	H 200076	0.5		110 65	77 64	94 43	130 18	112 36	86 49			
17	H 240093	H24093	RD 200049	HDH 180118	0.8		111 66	101 69	77 43	103 17	81 35	87 51			
18	H 240119	H24119	H 210020	HDH 140066	0.2		82 63	98 50	96 43	100 13	104 36	88 44			
19	HDH 140066	HDH14066	DJW 100009	HDH 020079	0.0		92 63	88 58	106 68	100 14	95 54	82 53			
20	HDH 140132	HDH14132	JL 050117	HDH 110034	0.0		125 70	72 60	96 71	113 11	111 55	85 55			
21	HDH 140181	HDH14181	DJW 070077	HDH 110119	0.0		102 69	93 68	91 79	101 20	93 54	84 60	87 27	81 53	
22	HDH 150173	HDH15173	DJW 100009	HDH 080021	0.0		71 70	98 65	123 76	94 14	78 52	82 57			
23	HDH 160094	HDH16094	VV 110148	HDH 070079	0.0		98 70	89 58	76 69	119 23	106 54	82 55			
24	HDH 170017	HDH17017	CJ 120001	HDH 130407	0.0		108 69	82 66	107 76	114 11	99 52	87 57			
25	HDH 170047	HDH17047	CJ 120001	HDH 140081	0.1		114 68	84 58	98 65	112 13	99 54	88 53			
26	HDH 170137	HDH17137	H 110018	HDH 080016	0.0		123 68	74 69	86 70	136 19	117 47	88 57			
27	HDH 180129	HDH18129	ML 140090	HDH 120179	0.3		136 67	84 70	63 69	134 14	103 46	89 57	79 23	83 50	
28	HDH 180249	HDH18249	FR 140074	HDH 120191	0.0		73 73	103 72	94 73	100 14	90 49	84 60			
29	HDH 190026	HDH19026		HDH 130093	0.0		75 68	105 42	122 51	98 10	68 45	87 44			
											★★★				
1	H 240071	H24071		H 220007	0.0		101 56	74 58	109 35	129 17	93 25	77 43			
2	HDH 120091	HDH12091	DJW 070077		0.0		97 71	91 67	83 79	101 20	94 47	78 58	79 27	74 52	
3	HDH 170004	HDH17004	VV 110148	HDH 100018	0.2		73 69	98 62	74 72	114 21	104 54	79 56			
4	HDH 170031	HDH17031	CJ 120001	HDH 110094	0.0		71 64	89 60	109 70	109 12	95 53	76 54			
5	HDH 170074	HDH17074	DJW 100009	HDH 130093	1.0		90 65	96 74	88 78	105 22	80 57	76 61	93 22	75 53	
											★★★				
1	HDH 180118	HDH18118	FR 140074	JL 100213	0.7		90 74	99 71	63 66	112 30	74 52	68 60	89 20	67 52	

Selection List on Cow Value

Bull Calves younger than 2 years

ID Sorted on ID				Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin		Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc		
												★★★★★									
1	H	250164		H25164	SP 210076	H 210093	0.3					12363	11056	12341	7820	12032	13445	12126	13341		
												★★★★★☆									
1	H	250052		H25052	SS 210095	H 210076	0.1					11664	10468	11644	9120	11533	12151	10631	11747		
2	H	250060		H25060	SS 210095	H 220177	0.1					12364	10457	11939	9121	11831	12846	10331	12343		
3	H	250115		H25115	KVS 210173	HDH 180090	1.4					9564	12167	10345	9115	11634	12550				
4	H	250125		H25125	H 200016	H 230044	0.1					9554	11767	10344	8617	11533	12048				
5	H	250161		H25161	SP 210076	H 230112	0.5					8662	12566	10541	8923	12032	12949	12823	12944		
6	H	250170		H25170	SP 210076	H 200026	0.3					8664	11867	11448	8626	11636	12352	12224	12246		
7	H	250189		H25189	SP 210076	H 220031	0.3					11553	10656	11439	8720	11333	12143	11326	11940		
8	H	260013		H26013	SP 210076	H 220065	2.0					8553	12256	9840	8019	11934	12043	11922	11939		
9	H	260023		H26023	SP 210076	H 220136	0.2					7563	12955	11538	8415	11032	12744	12320	12739		
10	H	260024		H26024	SP 210076	H 210046	1.1					8962	12553	10437	8718	10532	12243	12220	12238		
11	H	260027		H26027	SP 210076	H 200060	1.3					7963	12456	11043	7820	11733	12346	12325	12342		
12	H	260029		H26029	SP 210076	H 220109	0.8					9363	12056	9941	8619	11234	12046	12628	12142		
13	H	260055		H26055	SP 210076	H 230121	1.9					9553	11356	11240	8221	11933	12143	11827	12040		
14	H	260065		H26065	SP 210076	HDH 160064	0.3					9766	11457	10149	8719	12636	12248	11620	12042		
												★★★★★									
1	H	250020		H25020	H 200016	HDH 140075	0.2					11355	11068	9545	8917	11438	11749				
2	H	250024		H25024	H 200016	H 220104	6.5					9965	11968	9044	8819	10836	11651	11225	11546		
3	H	250025		H25025	IGB 190013	H 210039	1.6					8866	12068	9245	9017	10538	11352	11634	11248		
4	H	250041		H25041	BR 180020	H 200171	0.4					12165	9868	9947	10518	11038	11152				
5	H	250048		H25048	SS 210095	JO 200142	3.3					9964	10468	11646	8619	11032	11251	10731	10947		
6	H	250049		H25049	VV 180152	HDH 160043	3.7					7466	12468	11949	8114	10038	11852				
7	H	250056		H25056	RD 200049	HDH 120002	0.3					10366	10968	10648	869	10433	11151				
8	H	250062		H25062	H 220038	H 220195	0.3					8360	11263	11941	9117	10629	11347	10320	11042		
9	H	250073		H25073	RD 200049	HDH 150186	0.0					8965	11467	11246	847	9927	11149				
10	H	250075		H25075	H 220038	H 220205	3.7					8063	12047	11337	8620	10531	11741	10423	11337		
11	H	250088		H25088	H 200016	H 220001	0.2					10964	10954	9141	9523	10736	11146				

Selection List on Cow Value

Bull Calves younger than 2 years

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin			Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value										
Sorted on ID							nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc										
										★★★★★																	
12	H	250089	H25089	H 220034	H 220167	0.6					116	58	101	42	110	31	90	18	108	28	113	37	98	22	109	34	
13	H	250092	H25092	RD 200049	HDH 170134	0.6					90	66	116	58	106	46	83	14	104	36	112	48					
14	H	250106	H25106	H 220038	H 220194	3.8					81	63	117	50	119	37	92	20	101	32	115	43	105	22	112	39	
15	H	250137	H25137	H 210026	HDH 120215	0.0					102	64	96	65	127	48	95	11	110	29	110	49					
16	H	250138	H25138	H 210026	HDH 170158	0.2					89	65	119	67	109	48	93	20	103	36	118	51					
17	H	250145	H25145	KVS 180387	H 230081	1.2					95	59	111	63	100	35	97	18	105	29	110	46					
18	H	250146	H25146	H 210026	HDH 120143	0.2					87	50	106	65	116	48	91	15	113	35	110	47					
19	H	250147	H25147	H 210026	H 210052	0.7					83	49	115	64	108	44	90	24	105	34	111	46					
20	H	250158	H25158	H 210005	H 200014	0.6					98	60	110	64	99	46	89	14	113	33	111	48					
21	H	250163	H25163	SP 210076	HDH 150144	0.0					105	63	102	52	114	45	89	13	114	25	113	43					
22	H	250179	H25179	SP 210076	H 230062	0.5					84	62	123	67	106	40	87	23	106	31	119	49	122	20	119	43	
23	H	260001	H26001	SP 210076	H 230124	0.1					104	63	105	66	120	42	80	26	115	32	117	50	113	25	115	45	
24	H	260018	H26018	SP 210076	H 210165	1.0					81	63	118	56	111	39	91	16	99	32	112	45					
25	H	260022	H26022	SP 210076	H 220124	2.0					83	63	120	55	100	37	85	17	113	33	115	44	122	23	116	40	
26	H	260028	H26028	SP 210076	H 220024	0.3					92	63	123	56	101	40	83	16	104	33	118	45	124	21	119	40	
27	H	260030	H26030	H 220134	H 220070	0.6					124	51	99	47	107	36	92	19	111	32	114	39	100	22	110	36	
28	H	260038	H26038	H 220134	H 210156	1.2					117	63	101	48	101	40	97	16	113	31	113	42					
29	H	260040	H26040	SP 210076	H 230106	0.4					85	62	120	56	101	37	85	16	110	31	116	44					
30	H	260041	H26041	H 230008	HDH 180060	0.2					137	64	100	42	90	42	94	16	108	33	113	40					
31	H	260042	H26042	H 230008	H 210054	0.1					101	61	114	45	103	39	87	19	113	33	119	41					
32	H	260043	H26043	H 220134	HDH 160043	2.5					75	65	115	47	113	45	94	16	110	35	113	43					
33	H	260047	H26047	H 230008	HDH 190122	0.6					139	63	96	41	94	39	94	15	108	29	112	39					
34	H	260049	H26049	H 230008	H 210076	0.2					117	62	106	46	104	40	90	18	110	32	117	41	104	20	113	37	
35	H	260053	H26053	SP 210076	H 210049	0.3					79	63	120	56	115	42	87	20	100	35	115	46	115	22	114	41	
36	H	260057	H26057	SP 210076	H 200076	0.2					100	65	111	54	92	42	90	19	114	35	111	46	113	20	110	41	
37	H	260064	H26064	SP 210076	H 230197	0.3					93	60	113	52	103	37	90	16	117	28	117	42					
38	H	260075	H26075	SP 210076	H 210031	1.1					83	53	116	56	112	42	87	17	110	34	115	44					
39	H	260079	H26079	H 230008	H 200059	0.3					101	50	111	44	102	39	90	14	102	30	111	37					
40	H	260082	H26082	H 230078	HDH 130056	0.1					106	48	111	48	93	45	90	11	111	29	113	39					
41	H	260084	H26084	KVS 210173	HDH 120194	0.2					98	50	108	51	101	47	91	16	125	35	116	42					
42	H	260085	H26085	KVS 210173	H 220146	0.3					97	48	108	50	94	34	102	14	115	31	110	39	108	20	108	35	
43	H	260088	H26088	H 230008	H 230133	0.3					134	48	98	44	107	36	93	17	103	31	114	37	97	20	110	34	

Selection List on Cow Value

Bull Calves younger than 2 years

ID		Name		Sire ID		Dam ID		% Inbreeding	Horned / Polled	Myostatin		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						nt821	Q204X			F94L	Genomic tested																
												★★★★★															
44	H	260094	H26094	H	230008	H	230113	0.1				131	48	98	44	117	36	90	17	111	29	119	37				
45	H	260099	H26099	H	230008	H	230042	0.3				136	48	101	44	96	33	89	14	104	30	114	36				
46	H	260100	H26100	H	230008	H	230057	1.9				120	47	100	43	99	33	104	14	104	30	110	36				
47	H	260103	H26103	H	230008	H	230160	1.1				106	44	111	44	90	32	98	16	111	29	113	35				
48	H	260104	H26104	SP	210076	H	240026	1.1				90	62	116	56	101	36	89	18	113	30	116	44	123	23	117	40
49	H	260107	H26107	KVS	210173	H	220037	0.2				97	59	112	46	96	31	99	12	104	28	110	38	107	20	108	34
50	H	260108	H26108	H	230008	H	230199	12.7				128	59	100	44	92	34	95	12	109	29	111	38				
51	H	260110	H26110	H	220134	HDH	180050	2.0				102	65	110	46	92	44	93	17	119	35	114	43				
52	H	260113	H26113	KVS	210173	H	220194	0.3				79	61	123	51	104	34	96	15	108	31	119	42	112	20	117	38
												★★★★☆															
1	H	250011	H25011	H	200016	HDH	170074	0.5				111	66	106	71	83	51	95	20	97	39	101	54				
2	H	250012	H25012	DG	060046	H	220123	0.6				82	67	110	68	91	55	100	33	113	50	104	56	107	44	103	54
3	H	250016	H25016	H	200016	H	220011	0.2				125	65	99	68	96	44	94	22	102	36	106	51	98	22	103	45
4	H	250019	H25019	DG	060046	HDH	160125	0.0				93	58	101	69	102	60	87	37	129	50	108	56	100	44	104	54
5	H	250045	H25045	VV	180152	HDH	190122	0.7				87	66	116	66	100	44	85	16	95	34	105	50				
6	H	250047	H25047	SS	210095	HDH	140132	0.1				132	66	85	54	104	45	102	12	118	34	106	45	87	25	100	41
7	H	250055	H25055	RD	200049	H	210037	2.4				87	64	111	67	103	42	95	13	98	34	105	50				
8	H	250059	H25059	RD	200049	HDH	180129	0.5				132	65	99	69	78	44	110	10	97	33	102	50				
9	H	250067	H25067	H	220038	H	220039	4.0				96	61	107	46	112	34	95	18	97	29	107	40	100	22	103	36
10	H	250070	H25070	RD	200049	H	210073	2.2				94	64	113	56	94	37	92	14	104	34	108	45				
11	H	250071	H25071	RD	200049	HDH	160056	2.0				111	65	106	53	88	45	104	15	96	35	105	45				
12	H	250072	H25072	H	220038	H	220185	1.0				97	63	108	50	112	36	88	17	98	32	108	42	105	23	106	38
13	H	250079	H25079	KVS	210173	HDH	170161	0.2				75	47	110	65	107	42	96	15	120	30	109	45				
14	H	250084	H25084	RD	200049	HDH	160047	2.0				86	66	108	68	101	48	102	14	97	36	100	52				
15	H	250087	H25087	H	220038	H	220122	0.7				85	63	104	64	116	42	99	19	98	33	102	49	97	20	99	43
16	H	250091	H25091	RD	200049	H	200059	0.2				95	65	112	56	100	42	88	14	88	32	102	45	108	20	101	40
17	H	250097	H25097	H	220038	H	220210	0.6				88	60	103	45	122	36	95	18	100	27	104	39	97	21	101	35
18	H	250099	H25099	H	220038	H	220171	0.6				143	61	82	47	109	32	98	16	98	25	100	39				
19	H	250111	H25111	KVS	210173	HDH	170066	0.2				111	63	111	66	86	42	99	14	97	34	107	49	108	20	105	43
20	H	250113	H25113	H	220038	H	220154	1.2				87	51	106	64	108	42	99	24	104	33	104	46	99	20	101	41

Selection List on Cow Value

Bull Calves younger than 2 years

ID		Name		Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin		Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value											
Sorted on ID								nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc										
										★★★★☆																		
21	H	250114	H25114	H 220038	H 220037	4.0						102	62	105	46	111	34	95	18	97	29	107	40	100	22	104	36	
22	H	250116	H25116	H 210026	H 220028	3.9						98	62	103	50	103	40	100	14	95	33	100	43					
23	H	250126	H25126	H 200016	H 220096	0.1						106	65	98	68	101	45	96	22	111	37	104	52	96	22	100	46	
24	H	250130	H25130	OLG 200013	H 200004	1.8						109	63	100	67	105	46	102	18	103	35	106	50	94	20	102	44	
25	H	250132	H25132	OLG 200013	HDH 180078	0.1						105	67	104	69	101	49	100	18	91	38	101	53	102	22	99	47	
26	H	250133	H25133	OLG 200013	H 200075	0.3						96	65	108	68	96	49	84	29	99	38	101	53	103	22	99	47	
27	H	250140	H25140	SP 210076	HDH 170097	2.0						85	64	105	70	109	49	93	18	113	37	106	52	113	22	105	46	
28	H	250148	H25148	H 210005	HDH 170139	0.7						105	63	98	67	112	47	101	15	105	36	106	50					
29	H	250149	H25149	KVS 180387	H 230099	0.4						91	60	114	51	88	34	95	13	110	31	108	41					
30	H	250157	H25157	H 220036	H 220053	8.8						109	62	114	63	89	39	93	21	86	34	106	48					
31	H	250166	H25166	SP 210076	HDH 160173	0.1						113	64	90	69	95	50	101	17	124	31	103	51					
32	H	250169	H25169	SP 210076	HDH 120098	0.5						77	65	106	69	114	51	90	15	113	36	105	52	111	22	104	46	
33	H	250185	H25185	OLG 200013	H 210081	0.1						96	55	104	67	114	46	88	25	96	36	103	49	109	26	102	44	
34	H	250188	H25188	OLG 200013	H 210077	0.3						103	55	100	67	104	47	87	26	100	38	100	50	105	26	98	45	
35	H	260017	H26017	RD 200049	H 200029	1.7						95	65	111	53	102	42	100	22	97	36	108	46					
36	H	260019	H26019	SP 210076	HDH 170074	0.5						84	52	112	58	100	48	90	17	101	36	103	45	115	21	104	40	
37	H	260020	H26020	SP 210076	HDH 170137	0.2						101	53	101	56	99	45	100	16	119	33	108	44	97	20	104	39	
38	H	260026	H26026	RD 200049	H 210205	0.7						103	64	112	56	94	38	91	12	90	32	105	45					
39	H	260039	H26039	H 220134	HDH 160138	0.2						87	65	108	46	94	44	94	14	116	31	105	42					
40	H	260050	H26050	H 230008	JO 200142	0.5						113	47	98	42	105	42	89	18	106	31	105	37	100	20	102	34	
41	H	260089	H26089	KVS 210173	H 220210	0.3						91	42	107	46	106	34	99	13	106	26	107	35					
42	H	260091	H26091	KVS 210173	HDH 170047	0.4						95	49	102	47	97	40	105	11	107	34	101	39					
43	H	260098	H26098	KVS 210173	HDH 190130	0.4						82	49	117	51	98	41	101	16	100	32	109	40					
44	H	260118	H26118	H 220134	H 220185	14.4						116	63	106	46	93	33	91	15	101	31	108	40					
										★★★★																		
1	H	250003	H25003	JH 190072	H 220004	0.8						89	65	107	54	91	43	100	22	99	38	97	46	108	30	97	43	
2	H	250005	H25005	OLG 200013	H 220090	0.3						108	64	99	56	97	41	98	20	97	36	98	46	96	23	95	41	
3	H	250037	H25037	IGB 190013	HDH 160138	0.1						110	67	97	68	85	48	97	14	114	36	99	52	92	34	95	48	
4	H	250054	H25054	BR 180020	H 210094	0.9						82	66	100	68	99	47	103	21	105	37	93	52	99	21	91	46	
5	H	250069	H25069	RD 200049	H 210123	0.3						110	64	100	51	87	34	110	13	96	32	98	42					

Selection List on Cow Value

Bull Calves younger than 2 years

ID		Name		Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin		Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value										
Sorted on ID								nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc									
										★★★																	
6	H	250110	H25110	H	210026	HDH	190130	0.4				86	52	108	51	103	43	103	18	93	33	99	42				
7	H	250117	H25117	OLG	200013	HDH	190087	0.2				79	55	104	69	104	48	94	18	109	38	98	50	106	20	97	44
8	H	250118	H25118	H	210026	HDH	140014	7.2				122	65	72	66	105	50	134	15	109	37	90	51				
9	H	250136	H25136	OLG	200013	HDH	120003	0.5				116	64	93	55	99	50	93	22	94	40	94	48	99	28	92	44
10	H	250151	H25151	SP	210076	HDH	170004	0.3				77	65	99	68	101	47	104	17	114	36	94	51	98	20	92	45
11	H	250153	H25153	H	210005	HDH	180249	0.6				79	63	100	67	108	46	106	13	99	34	92	50				
12	H	250178	H25178	OLG	200013	HDH	120133	0.9				93	66	100	56	97	49	106	19	102	40	97	48	97	24	94	43
13	H	250184	H25184	KVS	210173	HDH	170031	0.2				74	47	104	48	102	42	103	11	105	34	96	39				
14	H	260003	H26003	RD	200049	HDH	110029	0.0				103	64	99	67	100	46	101	11	92	34	96	50				
15	H	260005	H26005	RD	200049	HDH	130106	0.7				90	65	108	56	98	47	93	12	94	36	98	47				
16	H	260006	H26006	RD	200049	HDH	190026	0.4				81	65	113	49	106	37	93	9	78	32	96	42				
17	H	260033	H26033	H	220134	HDH	180118	1.7				105	53	102	48	75	40	104	20	92	33	90	40				
										★★★☆																	
1	H	250139	H25139	H	210026	HDH	170153	0.3				115	65	77	67	100	46	117	15	112	36	89	51				

Selection List on Cow Value

Heifers younger than 2 years

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin		Genomic tested	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value								
Sorted on ID							nt821	Q204X	F94L	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc								
										★★★★★★															
1	H	250038	H25038	KVS 180387	HDH 190070	0.3				87	63	131	67	103	44	84	13	124	34	135	50				
2	H	250167	H25167	SP 210076	HDH 180076	0.3				82	54	133	70	110	49	76	23	118	36	134	51	131	21	134	45
										★★★★★★☆															
1	H	250028	H25028	H 200016	H 200032	0.2				104	67	120	68	95	49	82	23	123	39	127	53				
2	H	250044	H25044	SS 210095	H 210054	0.1				107	64	111	57	113	42	87	20	117	34	124	46	106	30	120	43
3	H	250057	H25057	SS 210095	HDH 120182	0.1				94	65	115	57	121	49	99	15	106	33	123	47	101	30	118	44
4	H	250080	H25080	KVS 210173	HDH 140100	0.6				83	48	123	66	108	47	83	17	115	35	123	47	117	21	121	42
5	H	250100	H25100	H 200016	H 220049	0.1				121	65	111	58	85	43	90	18	122	36	122	47				
6	H	250135	H25135	H 200016	H 230067	25.1				124	65	112	68	87	44	92	18	125	35	126	51				
7	H	250141	H25141	SP 210076	HDH 180079	0.1				108	65	119	69	104	46	87	17	106	35	125	51	116	20	123	45
8	H	250150	H25150	SP 210076	HDH 190023	1.1				87	66	116	68	108	48	83	29	125	36	121	53	113	20	119	46
9	H	250160	H25160	SP 210076	HDH 150173	0.2				76	65	129	68	116	48	79	15	99	35	122	51				
10	H	250162	H25162	SP 210076	H 230065	0.4				100	62	122	67	104	42	76	22	120	32	129	49				
11	H	250165	H25165	SP 210076	H 220007	1.2				94	63	124	67	97	45	82	22	114	33	123	50	124	20	123	44
12	H	250172	H25172	SP 210076	H 200091	0.3				85	64	120	54	107	44	76	28	124	35	122	46	115	20	120	41
13	H	250174	H25174	SP 210076	HDH 190040	0.5				81	54	128	68	99	47	79	23	117	36	124	50	128	22	125	44
14	H	250177	H25177	SP 210076	H 220015	0.3				101	62	117	68	111	45	82	25	110	34	124	51	124	26	123	46
15	H	250180	H25180	SP 210076	H 230109	0.4				98	62	118	56	108	38	81	17	123	31	127	44				
16	H	260014	H26014	SP 210076	H 220065	2.0				85	53	122	56	98	40	80	19	119	34	120	43	119	22	119	39
17	H	260021	H26021	SP 210076	H 210039	1.1				88	64	121	57	113	44	84	18	114	34	124	46				
18	H	260031	H26031	H 220134	H 200171	0.3				131	50	102	49	101	41	98	17	115	33	121	40				
19	H	260045	H26045	SP 210076	H 230174	0.3				127	62	105	56	98	37	90	16	123	30	123	44				
20	H	260051	H26051	SP 210076	HDH 170161	0.2				75	64	118	53	116	44	85	18	121	32	120	45	116	20	119	40
21	H	260058	H26058	SP 210076	H 230138	0.3				86	62	119	56	104	38	89	20	115	32	120	45	122	24	120	41
22	H	260060	H26060	SP 210076	H 230183	0.6				92	62	119	52	102	36	86	17	121	28	124	42				
23	H	260062	H26062	SP 210076	H 210017	1.8				84	64	119	57	111	41	90	18	115	34	122	46	118	20	121	41
24	H	260077	H26077	H 230008	H 220041	0.4				134	47	106	44	95	37	89	12	116	31	124	36				
25	H	260109	H26109	KVS 210173	H 220191	0.4				110	61	112	50	97	34	90	13	115	32	120	41	113	20	118	37

Selection List on Cow Value

Heifers younger than 2 years

ID				Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin		Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value									
Sorted on ID									nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc								
													★★★★★														
1	H	250013	H25013	H 220036	H 200060	0.3					83	52	129	64	95	42	82	20	102	34	117	47	113	21	116	42	
2	H	250017	H25017	H 200016	H 220024	0.2					115	65	112	68	87	43	94	18	101	36	111	51					
3	H	250018	H25018	H 200016	H 220080	0.1					131	65	99	57	102	41	86	22	104	34	112	47	98	22	107	42	
4	H	250042	H25042	SS 210095	JO 200009	0.3					129	63	99	69	103	43	103	15	110	29	117	50	89	28	110	46	
5	H	250046	H25046	SS 210095	HDH 120091	0.2					120	66	101	69	97	49	98	16	110	32	110	52	89	27	104	47	
6	H	250063	H25063	H 200016	H 210017	6.9					106	66	111	59	95	44	96	20	111	37	116	48					
7	H	250078	H25078	KVS 210173	HDH 180050	0.3					91	49	114	50	96	44	94	15	122	35	117	41	115	21	116	37	
8	H	250082	H25082	RD 200049	H 210121	3.1					87	63	124	67	99	43	85	14	97	35	115	50					
9	H	250090	H25090	RD 200049	H 210099	1.0					108	65	109	57	107	41	86	17	97	34	111	46	109	21	109	41	
10	H	250096	H25096	KVS 210173	H 200211	0.5					99	45	108	50	102	37	104	16	109	31	112	39	104	20	109	35	
11	H	250101	H25101	KVS 210173	H 210071	0.4					102	62	108	48	95	40	97	18	112	34	111	42	102	22	108	38	
12	H	250102	H25102	H 220038	H 220197	12.7					91	63	106	51	122	40	90	22	103	31	110	43	103	26	107	40	
13	H	250103	H25103	H 220034	H 220191	1.3					125	61	109	48	97	34	87	14	107	32	119	41					
14	H	250104	H25104	KVS 210173	H 210019	0.9					87	61	114	52	107	39	102	15	110	33	115	43					
15	H	250112	H25112	KVS 210173	HDH 100076	0.2					105	45	105	49	106	44	95	10	114	32	114	39					
16	H	250120	H25120	OLG 200013	H 210097	0.2					118	65	97	68	111	48	88	36	111	37	110	53	99	26	106	48	
17	H	250131	H25131	H 200016	H 230051	0.2					102	65	112	67	97	44	93	18	117	35	117	51					
18	H	250168	H25168	SP 210076	H 230019	0.4					113	62	108	56	96	38	91	17	112	32	115	45	116	23	114	41	
19	H	250183	H25183	SP 210076	H 220090	2.0					93	53	114	56	106	39	82	19	114	32	116	43	117	22	115	39	
20	H	250187	H25187	KVS 210173	H 220118	0.3					90	49	113	51	104	37	94	18	116	32	116	40	110	24	114	37	
21	H	260009	H26009	SP 210076	HDH 190071	0.3					84	52	116	56	103	42	86	19	113	35	113	44	119	20	113	39	
22	H	260010	H26010	SP 210076	H 220080	0.1					103	53	109	55	119	38	81	21	108	32	118	43	114	25	116	39	
23	H	260012	H26012	SP 210076	H 220044	0.3					90	53	120	56	95	40	88	16	107	33	115	43	119	22	115	39	
24	H	260015	H26015	SP 210076	HDH 160125	1.8					100	65	106	54	111	48	80	24	128	34	119	47	110	20	116	42	
25	H	260016	H26016	SP 210076	H 220005	1.0					102	63	106	57	106	42	93	17	112	34	113	46					
26	H	260025	H26025	SP 210076	H 220004	1.2					88	62	117	52	110	39	85	17	110	32	118	43	121	20	118	38	
27	H	260032	H26032	H 220134	HDH 190070	0.3					99	51	105	49	103	44	95	16	131	34	118	41					
28	H	260034	H26034	H 220134	H 210127	1.2					114	63	103	47	88	37	103	16	118	32	112	41					
29	H	260044	H26044	H 230008	H 210162	0.1					122	62	97	43	104	34	97	14	116	31	114	39					
30	H	260046	H26046	H 230008	H 220013	0.2					108	62	104	40	114	37	90	17	110	30	115	38	99	20	110	34	
31	H	260048	H26048	H 230008	H 210211	0.4					112	62	108	44	90	35	94	13	114	30	113	39					
32	H	260068	H26068	SP 210076	H 200042	0.3					127	64	104	52	103	39	89	20	111	35	119	44	114	22	117	40	

Selection List on Cow Value

Heifers younger than 2 years

ID		Name		Sire ID		Dam ID		% Inbreeding	Horned / Polled	Myostatin		Genomic tested	Calving Ease Value		Calf Growth Value		Milk Value		Maint. Value	Fertility Value	Cow Value		Growth Value	Prod Value		
Sorted on ID										nt821	Q204X		F94L	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc		Acc
												★★★★★														
33	H	260069	H26069	SP 210076	H 220123	1.3					86	53	120	56	100	41	90	17	112	34	118	43				
34	H	260080	H26080	SP 210076	H 230100	0.4					105	52	113	56	98	37	86	17	112	31	117	42				
35	H	260081	H26081	H 230008	H 210019	3.2					113	50	103	45	105	38	99	15	110	32	114	38				
36	H	260097	H26097	H 230078	H 210056	0.7					116	48	110	45	94	39	91	18	103	33	114	38				
37	H	260101	H26101	KVS 210173	H 210071	0.4					95	50	110	48	96	40	97	18	112	34	111	40	102	22	107	36
												★★★★☆														
1	H	250004	H25004	OLG 200013	H 220126	0.2					135	65	98	56	86	41	103	19	99	37	106	46	98	23	102	41
2	H	250007	H25007	H 220036	H 220109	1.6					95	63	111	63	86	40	98	18	98	34	101	48	105	24	100	43
3	H	250008	H25008	H 220036	H 220136	1.5					78	63	118	49	99	35	90	15	95	33	104	42				
4	H	250009	H25009	H 220036	HDH 190071	0.4					88	63	118	50	90	40	92	19	98	35	107	43				
5	H	250010	H25010	DG 060046	H 220013	0.5					80	68	106	66	115	55	91	34	112	49	106	56	107	47	105	54
6	H	250014	H25014	H 200016	H 210046	0.2					104	65	112	55	87	40	93	20	102	35	108	46				
7	H	250015	H25015	H 200016	H 220165	1.4					124	65	95	68	87	44	108	18	121	37	109	51				
8	H	250021	H25021	OLG 200013	H 200056	0.9					103	64	103	67	104	47	99	24	90	35	100	51	98	26	97	46
9	H	250023	H25023	H 200016	HDH 170137	1.7					135	67	84	70	86	48	117	18	116	37	101	53				
10	H	250027	H25027	KVS 180387	HDH 160064	0.6					91	64	112	66	89	46	94	16	114	36	108	50				
11	H	250029	H25029	SS 170001	HDH 190056	0.5					90	69	113	71	82	53	90	31	115	43	106	56	108	44	104	54
12	H	250031	H25031	KVS 180387	H 220156	0.5					103	60	109	49	87	31	92	13	108	31	106	40				
13	H	250034	H25034	IGB 190013	HDH 140202	0.0					97	66	105	68	90	49	94	15	105	34	100	51	93	33	96	47
14	H	250040	H25040	VV 180152	HDH 120173	0.0					75	65	111	67	111	50	86	10	98	30	102	50				
15	H	250043	H25043	BR 180020	H 210127	1.6					138	66	86	56	85	43	113	17	113	37	102	47				
16	H	250050	H25050	SS 210095	HDH 180118	0.5					104	66	105	57	89	43	102	21	99	33	101	47	96	26	97	43
17	H	250053	H25053	BR 180020	H 210162	1.2					106	66	95	56	100	41	108	17	107	36	100	46				
18	H	250064	H25064	RD 200049	HDH 180060	0.3					122	67	105	54	88	44	92	14	94	35	105	46				
19	H	250065	H25065	RD 200049	H 200042	1.7					126	65	103	52	92	38	96	16	95	35	106	44				
20	H	250066	H25066	RD 200049	HDH 160012	2.0					109	65	105	53	103	42	94	12	86	36	102	45				
21	H	250076	H25076	H 220038	H 220164	0.3					110	63	92	50	102	38	106	18	109	31	101	42	86	21	95	38
22	H	250081	H25081	RD 200049	H 210031	1.8					89	64	110	56	100	40	94	13	93	34	101	45				
23	H	250083	H25083	RD 200049	HDH 140189	0.0					94	64	109	68	101	47	96	7	99	28	104	49				
24	H	250086	H25086	H 220038	H 220161	0.3					83	63	103	50	115	37	102	18	113	30	106	42	94	22	101	38

Selection List on Cow Value
Heifers younger than 2 years

ID		Name		Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin		Genomic tested	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value								
Sorted on ID								nt821	Q204X	F94L	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc							
										★★★★☆																
25	H	250095	H25095	KVS 210173	HDH 170047	0.4					95	49	102	47	97	40	105	11	107	34	101	39				
26	H	250105	H25105	H 220038	H 220146	1.0					106	62	100	50	109	37	97	19	108	32	108	42	101	22	105	38
27	H	250109	H25109	KVS 210173	HDH 180032	0.4					80	47	109	51	106	41	100	12	108	33	106	40				
28	H	250119	H25119	H 210026	HDH 130128	0.8					108	65	106	66	105	48	95	14	88	35	104	50				
29	H	250121	H25121	OLG 200013	HDH 190105	1.8					116	65	94	67	97	45	109	18	109	34	102	51	84	20	96	45
30	H	250122	H25122	KVS 210173	H 210141	0.4					88	61	110	64	98	41	106	20	109	32	108	48				
31	H	250124	H25124	OLG 200013	HDH 120194	0.2					125	67	92	69	100	52	98	20	111	39	106	54	89	21	100	47
32	H	250127	H25127	H 210026	HDH 080102	0.0					128	64	88	65	118	47	103	11	103	30	106	49				
33	H	250143	H25143	SS 170001	H 230064	1.4					98	66	117	68	75	48	92	33	108	40	108	54	105	43	106	52
34	H	250154	H25154	H 210005	H 200077	1.8					83	49	107	47	114	39	97	16	100	34	104	39				
35	H	250156	H25156	H 210005	H 210157	16.2					102	62	96	65	100	44	125	20	105	34	101	49				
36	H	250173	H25173	RD 200049	HDH 190046	2.6					108	67	113	69	81	47	97	19	99	37	108	52				
37	H	250175	H25175	SP 210076	HDH 190028	0.3					88	65	108	68	102	46	92	18	113	36	107	51	113	20	107	45
38	H	250182	H25182	RD 200049	HDH 190093	1.6					84	56	116	69	97	46	85	21	101	35	105	50				
39	H	260035	H26035	H 220134	H 220011	1.7					144	63	85	47	100	38	102	20	99	32	101	42	93	22	97	38
40	H	260036	H26036	H 220134	H 210130	1.3					109	63	104	48	98	39	98	16	109	33	109	42				
41	H	260071	H26071	H 230008	H 210117	0.1					119	50	98	40	91	38	100	16	110	33	106	36				
42	H	260074	H26074	H 230008	HDH 140066	0.1					117	47	96	40	100	40	96	11	106	33	104	36				
43	H	260076	H26076	H 230078	HDH 170059	0.2					113	46	105	50	91	43	98	12	107	33	109	40				
44	H	260083	H26083	H 230008	H 230098	1.3					133	47	96	43	87	31	104	12	105	29	106	35				
45	H	260096	H26096	H 230078	HDH 180129	0.2					133	48	103	50	75	42	104	12	106	30	109	39				
46	H	260106	H26106	KVS 210173	H 200198	0.5					82	61	115	52	90	41	91	21	105	33	104	44				
47	H	260112	H26112	H 230008	H 230018	0.2					116	60	98	44	94	33	99	13	103	29	102	38				
48	H	260115	H26115	H 220134	HDH 190050	0.8					91	64	110	43	96	40	91	17	106	34	105	41				
49	H	260116	H26116	H 220134	HDH 140202	0.0					126	63	89	44	99	44	97	15	108	28	101	40				
										★★★★																
1	H	250026	H25026	SS 170001	H 200076	2.6					112	68	100	56	60	50	102	31	113	42	93	50	94	42	90	48
2	H	250030	H25030	KVS 180387	HDH 170059	0.3					91	62	104	51	92	42	101	10	101	34	97	43				
3	H	250035	H25035	KVS 180387	H 220058	0.6					99	61	104	50	90	34	96	15	92	32	94	41				
4	H	250061	H25061	RD 200049	H 210012	1.8					85	63	112	66	92	42	100	13	86	34	95	49				

Selection List on Cow Value
Heifers younger than 2 years

ID Sorted on ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				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	
							nt821	Q204X	F94L	Genomic tested									
											★★★★								
5	H	250094	H25094	KVS 210173	HDH 140066	0.3					8446	10447	10141	9911	10534	9938			
6	H	250134	H25134	H 220034	H 220149	0.3					10060	9963	8739	11413	9832	9347			
7	H	250155	H25155	KVS 180387	H 230016	0.5					8360	10564	8736	9820	10431	9247			
8	H	250171	H25171	KVS 210173	HDH 160094	0.3					8863	9365	9143	12215	11234	9149			
9	H	250176	H25176	RD 200049	HDH 190096	0.4					9666	10269	9545	10712	9635	9751			
10	H	250181	H25181	OLG 200013	HDH 140134	0.0					12353	8750	10345	11016	9233	9442			
11	H	250186	H25186	OLG 200013	HDH 140181	0.3					10054	10368	9151	10018	9039	9350	9623	9145	
12	H	260008	H26008	RD 200049	HDH 170017	0.6					12265	9455	9746	1009	9335	9846			
											★★★★☆								
1	H	250001	H25001	H 210005	HDH 120122	0.0					9761	8748	10846	10710	9529	8541			

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

Notes on the interpretation of EBVs, EBVi's, sub-values and selection values

EBVi (EBVindex) is the breeding value index and is easier to interpret than the breeding value, especially for commercial farmers buying from stud farmers. The base of a breeding value index is 100, which is the average of all the live animals in the breed, and all values are expressed relative to this value. Values above 100 are always in a more desirable direction: an index of 105 for AFC indicates a genetic potential to calve earlier. Note that a very high index is not always desirable. For certain traits, such as birth weight, average values can be better.

EBV: (Estimated Breeding Value) indicates the genetic potential of the animal for a specific trait. It is presented in the unit of measurement and relative to the average of animals born in the base year (1990 for most breeds and traits). Higher values for certain traits are better while lower values for other traits are better, for example, an EBV of -2 for AFC (age at first calving) indicates that the animal has the genetic potential to calve 2 days earlier than the average heifer in 1990 (the base year). Earlier calving is better and therefore low breeding values (high breeding value indices) are better. For weaning weight, higher values are better.

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

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

How to use breeding values to select animals

Selecting animals on breeding values is easy if you know how. There is a common saying that “good nutrition can mask poor breeding”. This is very true. If an animal that is genetically inferior is fed well, it can appear as a great animal. This great performance will not be passed over to future generations. An animal that is genetically superior can appear to be inferior if its environment did not allow it to reach its true potential. It is best to select animals that are most adapted to the environment and can reach their full potential. To continuously adapt the environment to the animal can be expensive.

The reason why the use of breeding values is such a valuable tool is because it “removes” the environmental effect that contributes to the performance.

Scientific methods are used to determine how much of the performance is due to genetics and to identify genetically superior animals. This involves the measurement of animals under controlled environments, complete record keeping and pedigree information. *If performance recording and pedigree information are not done correctly, breeding values of these animals will not be useful.* Keep in mind that breeding is a long-term option: the effect of a bull selected/bought today will only show much later. If it is a good decision, his daughters will become part of the breeding herd and contribute to overall profitability in future.

Even if a bull is not perfect in all aspects, knowing the shortcomings will allow strategic selection with suitable cows. Traits are genetically correlated, meaning that a change in one trait can lead to a change in another. This change can be favourable or unfavourable. An increase in weaning weight can lead to an increase in birth weight, which can lead to calving difficulty. It is therefore advisable to not only select on a single trait. Take other traits in consideration to avoid negative effects.

How to improve the herd genetically

The first and most important aspect is to know what type of animal will improve the herd genetically. This can be determined through the following factors:

What happens to the calves? For example: used as replacement heifers, sold as stud animals or sold to commercial breeders who sell weaner calves.

How much feed is available? The availability of feed (or the hardness of the environment) determines the optimal frame size. If feed is abundant and the environment is less harsh, larger animals would be ideal. If not, medium framed animals would be ideal.

What is the genetics of the cow herd? Are they the wrong frame type, grow too slowly, do not have enough milk, etc.? Always aim to breed a calf that is superior to its dam.

Conclusion

Different types of bulls are suitable for different types of cows, environments and breeding objectives. Inbreeding should be avoided or limited as much as possible. Mating programs are available to aid in the pairing of bulls and cows.

The data used for this evaluation is pedigree information and performance data found on LOGIX as provided by breeders. All attempts are made to present accurate information. SA Stud Book takes no responsibility for the use and interpretation of information presented in this report.

