

BONSMARA

GENOMIC BREEDING VALUE REPORT

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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.

Selection Values

LOGIX Cow Value



Selecting for:

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

LOGIX Weaner Calf Value



Select for:

- heavy weaners
- more milk and
- lower birth and
- cow weights

LOGIX Production Value



80% LOGIX Cow Value +
20% LOGIX Growth Value

LOGIX Growth Value



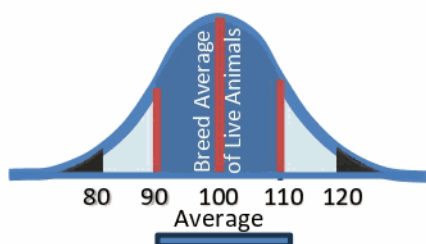
Select for efficient growers on veld and in feedlot, as measured in Phase C and D Growth Tests.

LOGIX Carcass Value

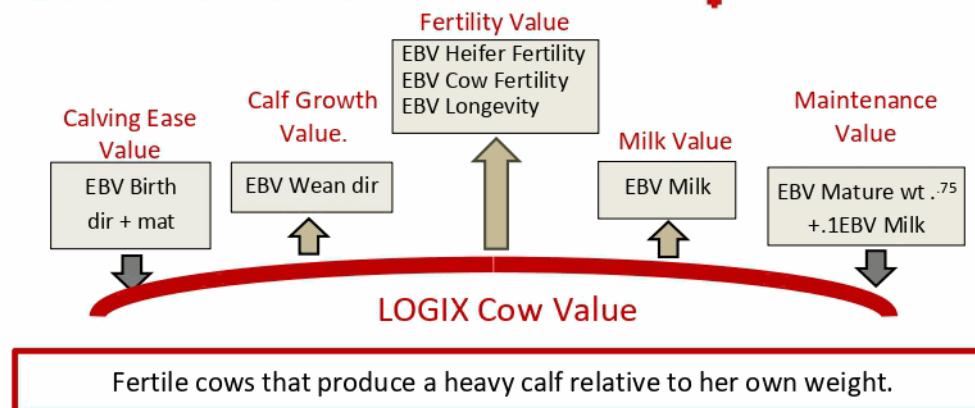


Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

Interpretation of EBVi and Selection Values



LOGIX Cow 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)

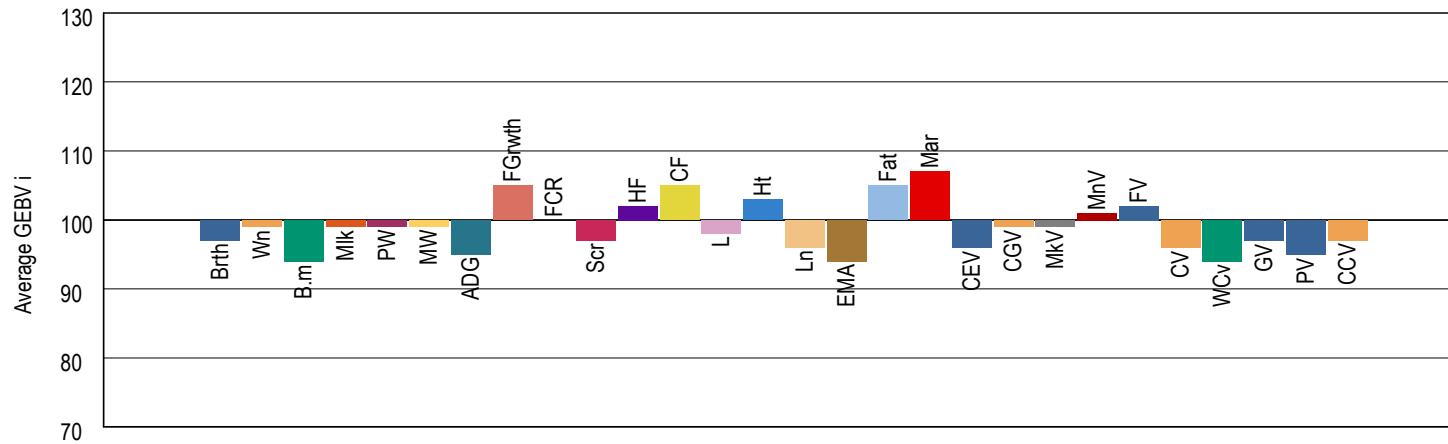
- Maintenance Value >110
 - Cow Value and Fertility Value average to high
- Lighter cows have a lower maintenance.

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

	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 18mnth weights	Post-wean growth	Low	High
	Ave. Daily Gain	Average daily gain in growth test (Phase C and D)	Good growth	Poor	Good
	Veld Growth	ADG on veld (Phase B)	Good adaptation	Poor	Good
	Feed Conversion Ratio	100g feed intake / g weight gain	Feed Efficiency	Poor	Good
	Final Test Weight	Final weight in growth test (Phase C and D)	Heavy Carcasses	Light	Heavy
	Skin Thickness	Measured in growth tests	Thicker skin	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

Herd and Breed Averages



Genomic Breeding Values (GEBVs):

Brth:	Birth weight	Scr:	Scrotal circumf.
Wn:	Weaning weight	HF:	Heifer Fertility
B.m:	Birth maternal	CF:	Cow Fertility
MLk:	Milk	LL:	Longevity
PW:	Post-wean weight	Ht:	Height
MW:	Mature weight	Ln:	Length
ADG:	Average Daily Gain	EMA:	Eye Muscle
FGwth	Veldgrowth	Fat:	Fat
FCR:	Feed Conversion Ratio	Mar:	Marbling

Selection Values:

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

	Trait	EBV Herd	EBVi Herd	EBV Breed
Prewrite Growth	Birth Weight	1.25	97	0.98
	Wean Weight	14.3	99	14.9
	Birth Mat.	-0.01	94	-0.28
	Milk (Wn.Mat.)	3.3	99	3.7
Postwean Growth	Postwean Wt	24	99	25
	Mature Weight	20	99	22
	ADG	60	95	79
	VeldGrowth	47	105	35
	FCR	-36	100	-37
Fertility	Scrotal Circumf.	11	97	13
	Heifer Fertility	-10.1	102	-9.1
	Cow Fertility	-1.39	105	-0.56
	Longevity	30.8	98	31.8
Frame	Height	-0.3	103	-3.1
	Length	10.5	96	13.6
Carcass	EMA	0.107	94	0.683
	Fat	0.842	105	0.055
	Marbling	0.499	107	-0.056

Selection Value	Ave. Herd
Calving Ease	96
Calf Growth	99
Milk	99
Maintenance	101
Fertility	102
Cow Value	96
Weaner Calf Value	94
Growth Value	97
Production Value	95
Carcass Value	97

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

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

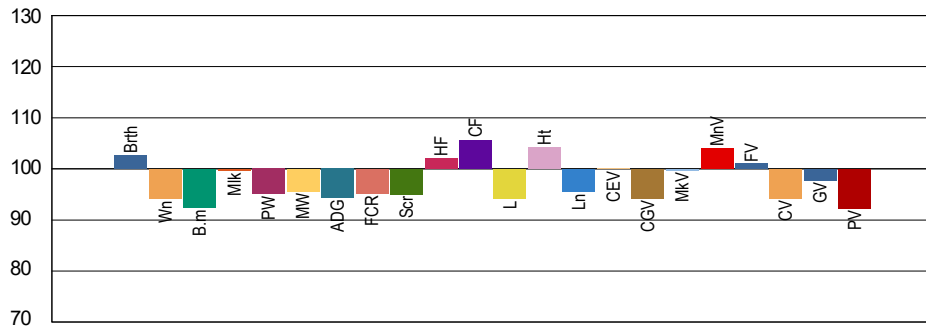
Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve earlier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

Genetic Windows

Bulls on the farm

Bulls born in 2023 and earlier

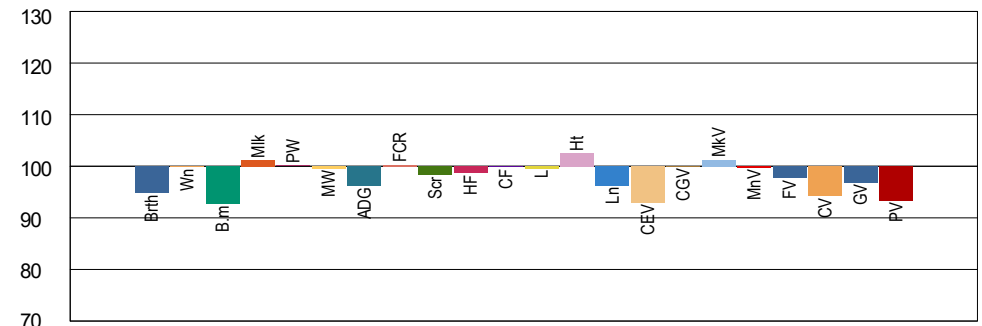
Total: 14



Cow Herd

Cows born in 2024 and earlier

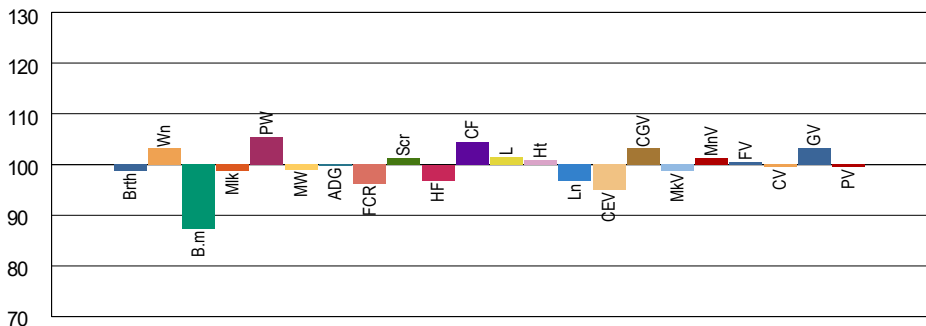
Total: 102



Sires of young animals

Sires of animals 3 years and younger

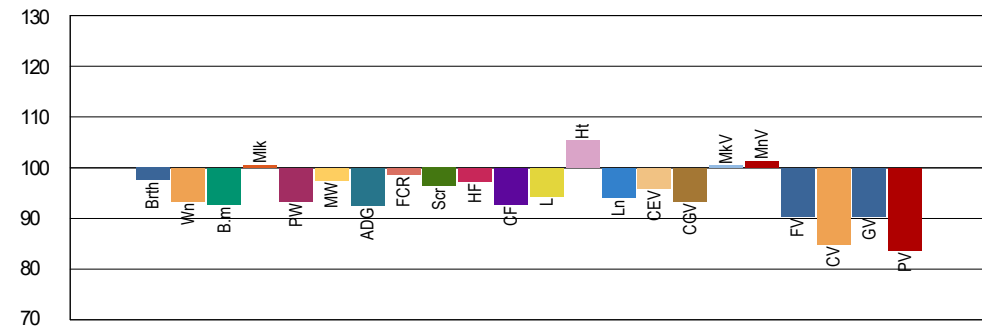
Total: 20



Cows older than 6 years

Cows born in 2020 and earlier

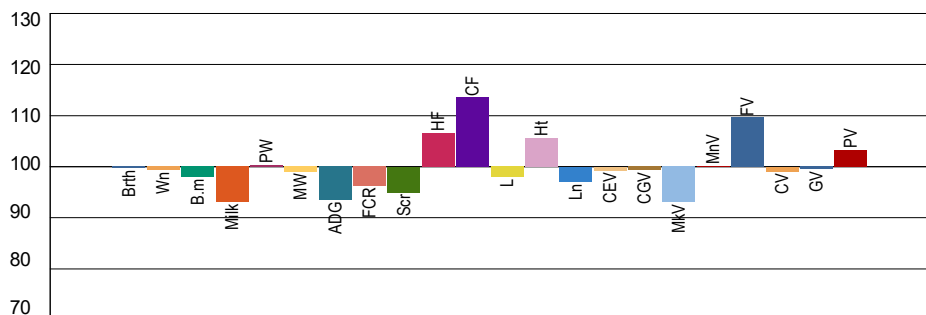
Total: 27



Bull calves

Bulls born in 2025

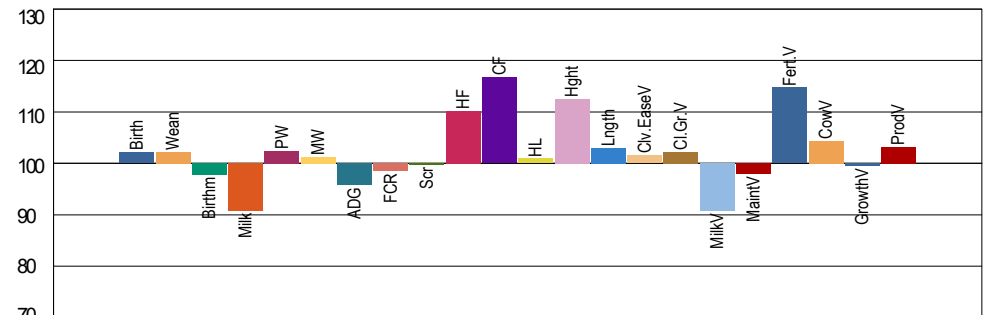
Total: 14



Heifer calves

Heifers born in 2025

Total: 13

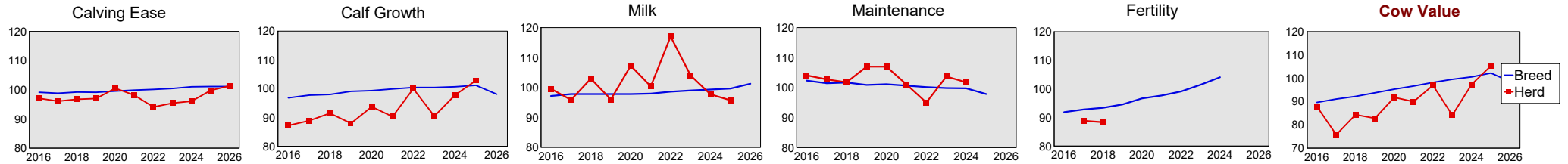


Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				Fertility				Frame		
Birth Year	No. Cows	Average Cow Value	Calving Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat)	Postwn Weight	Mature Weight	ADG	FCR	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	
Cows in Breed Average:			100	99	100	100	100	100	99	100	100	99	100	100	100	99	100	100	100	100	100	100	100	101	100
2009	2	★★★★	90	96	102	103	108	95	93	93	92	96	94	102	95	97	92	103	111	114	102	106	104	89	
2012	4	★★	86	102	102	93	74	78	101	80	87	102	91	102	101	106	102	108	97	75	86	89	118	104	
2014	4	★★★★☆	94	91	100	103	90	80	83	78	93	91	101	100	89	96	86	97	89	100	91	91	104	89	
2015	9	★★★★☆	99	91	97	105	88	82	91	81	102	91	91	97	93	94	93	101	101	97	90	93	105	94	
2016	4	★★★★	101	91	102	100	103	92	88	89	102	91	96	102	92	99	89	88	91	104	105	98	97	91	
2018	1	★★★★	102	95	99	99	101	94	100	94	108	95	80	99	95	100	98	99	96	114	97	92	103	98	
2020	3	★★★★	98	94	109	100	90	90	84	87	101	94	90	109	91	98	89	93	92	100	87	99	106	95	
2021	24	★★★★	94	100	101	100	101	97	95	95	94	100	97	101	100	99	93	98	96	102	102	99	103	95	
2022	22	★★★★	93	100	106	99	97	97	98	97	96	100	87	106	100	100	95	101	100	96	100	98	104	100	
2023	30	★★★★	90	101	103	100	98	94	103	95	93	101	88	103	102	100	97	98	96	96	101	100	100	97	
2024	24	★★★★	93	102	97	99	107	98	101	98	94	102	97	97	102	101	99	101	100	105	110	99	100	95	
2025	13	★★★★☆	102	102	91	98	115	104	100	103	102	102	98	91	102	101	96	99	100	110	117	101	113	103	
2026	11	★★★★☆	105	99	90	104	109	101	98	100	105	99	99	90	99	95	95	100	98	105	111	101	106	97	
Cows in Herd Average:			96	97	100	100	99	92	95	92	98	97	93	100	97	99	94	95	97	101	100	97	105	96	

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.



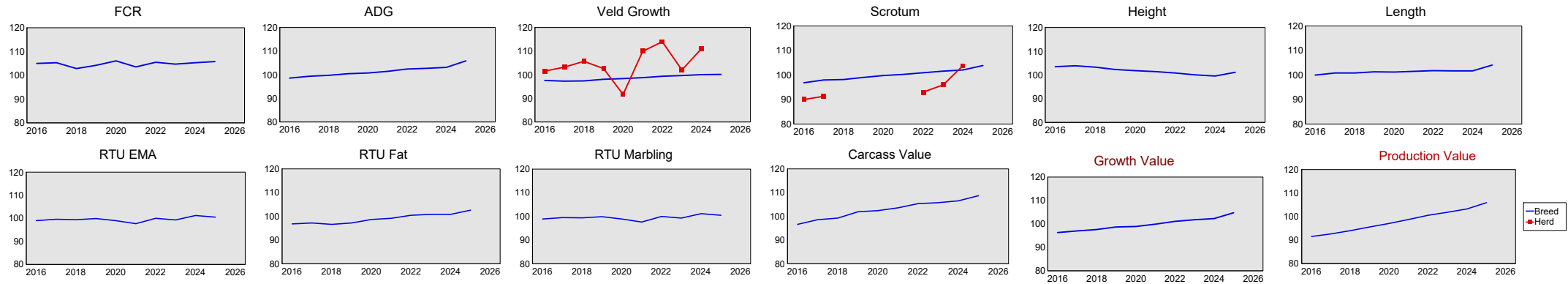
Herd

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
2016	70	1.00	0.17	97	14	8.1	87	14	3.60	100	14	16.4	1	14	104					67	16.9		88
2017	53	1.09	0.18	96	30	9.0	89	30	2.44	96	16	17.5			103	6	-7.7			54	18.5	89	76
2018	37	1.09	0.10	97	20	10.4	92	20	4.60	103	18	18.9			102	9	-6.4			34	20.5	88	84
2019	26	1.02	0.15	97	5	8.4	88	5	2.57	96	3	15.6			107					26	22.8		83
2020	15	0.86	-0.10	101	7	11.6	94	7	5.93	107	7	17.1			107					15	23.8		92
2021	18	1.10	0.06	98	3	9.8	90	3	3.92	100	3	17.8			101					17	22.1		90
2022	13	1.49	0.10	94	1	14.7	100	1	9.07	117	1	25.3			95					6	26.7		97
2023	13	1.25	0.03	95	6	9.9	91	6	4.95	104	3	20.7			104								84
2024	23	1.32	-0.18	96	12	13.8	98	12	3.00	98	11	25.0			102								97
2025	26	0.93	-0.17	100	6	16.4	103	6	2.37	96													105
2026	22	0.73	-0.11	101																			

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility							Cow Value
	Birth Weight		Calv. Ease	Weaning Weight	Calf Growth	Milk (Wn.Mat.)		Postwean Weight	Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility					
	Number	Dir EBV				Mat EBV	Number		EBV	Number		EBV	Milk	Number	EBV	Number	EBV		Number	EBV	Number	EBV	
2016	43617	1.05	-0.23	99	35930	13.3	97	35930	2.85	97	25541	22.8	6538	22	102	8135	-6.1	6285	-0.1	45540	22.9	92	90
2017	45336	1.08	-0.23	99	37532	13.8	98	37532	3.03	98	26133	23.7	6680	22	101	8519	-6.4	6592	-0.1	46660	23.8	93	91
2018	43028	1.06	-0.27	99	35840	13.9	98	35840	3.04	98	24987	23.8	6623	22	102	7937	-6.4	6328	-0.1	44031	24.5	93	92
2019	43014	1.07	-0.28	99	35189	14.5	99	35189	3.04	98	24710	24.8	6812	23	101	8176	-6.8	6640	-0.1	43352	25.5	95	94
2020	43065	1.04	-0.30	100	35848	14.6	99	35848	3.04	98	26199	24.9	7381	23	101	8576	-7.8	6880	-0.3	43333	26.4	97	95
2021	43188	1.01	-0.32	100	35942	14.9	100	35942	3.09	98	26572	25.7	6849	23	101	8460	-7.8	5964	-0.3	40244	27.4	98	97
2022	43262	0.99	-0.31	100	36541	15.2	100	36541	3.28	99	26872	26.2	5981	24	100	8283	-8.2	2919	-0.6	15061	27.5	99	98
2023	44407	0.96	-0.32	100	37320	15.2	100	37320	3.39	99	26594	26.3	1929	23	100	4872	-9.2	139	-1.0			102	100
2024	42942	0.89	-0.31	101	35829	15.3	101	35829	3.50	99	25736	26.4	7	26	100	297	-10.2					104	101
2025	44477	0.89	-0.31	101	33314	15.6	101	33314	3.60	100	7717	28.2			98								102
2026	15472	0.86	-0.27	101	1023	13.9	98	1023	4.09	101													99

Genetic Trends for Growth Test and Carcass Traits



Herd

Birth Year	Growth									Frame						Carcass						Selection Values						
	FCR			ADG			Veld Growth			Scrotum			Height			Length			EMA			Fat		Marbling		Carcass Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	RTU Number	EBV	EBVi	EBV	EBVi	EBV	EBVi			
2017							16	44	103	6	7.6	91																
2018							18	50	106																			
2019							3	42	103																			
2020							7	16	92																			
2021							3	60	110																			
2022							1	69	114	3	8.5	93																
2023							2	40	102	2	10.2	96																
2024							9	62	111	6	15.0	104																
2025																												
2026																												

Breed

Birth Year	Growth												Frame						Carcass								Selection Values		
	FCR			ADG			Veld Growth			Scrotum			Height			Length			RTU Number	EMA		Fat		Marbling		Cracss Value	Growth Value	Prod Value	
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	EBV	EBVi	EBV	EBVi	EBV	EBVi					
2017	659	-45	105	8459	77	99	16297	29	97	9041	11.6	98	8541	0	104	8457	14	101	3129	0.61	99	-0.38	97	-0.09	100	99	97	93	
2018	628	-41	103	8227	78	100	15438	30	97	8717	11.7	98	7978	-1	103	7980	14	101	2986	0.81	101	-0.47	97	-0.11	99	99	98	94	
2019	628	-44	104	8521	81	100	14895	31	98	8900	12.2	99	8361	-1	102	8364	15	101	3151	1.17	105	-0.38	97	-0.07	100	102	99	96	
2020	636	-47	106	8817	82	101	15919	32	98	9374	12.6	100	8824	-2	102	8827	15	101	4040	0.98	103	-0.15	99	-0.14	99	102	99	97	
2021	664	-43	104	8962	85	101	16263	33	99	9619	12.9	100	9225	-2	101	9224	15	101	3802	1.05	104	-0.07	99	-0.26	98	104	100	99	
2022	728	-46	105	8922	88	102	16338	34	99	9812	13.3	101	9649	-2	101	9652	15	102	4279	1.15	105	0.13	100	-0.06	100	105	101	101	
2023	763	-44	105	8756	90	103	16158	35	100	9664	13.7	102	9747	-3	100	9738	15	102	4124	1.23	106	0.19	101	-0.11	99	106	102	102	
2024	819	-45	105	8610	91	103	15494	36	100	9152	14.0	102	9273	-3	100	9184	15	102	4523	1.21	105	0.20	101	0.04	101	107	102	103	
2025	363	-46	106	2908	102	106	4501	36	100	2815	15.1	104	3087	-2	101	3050	17	104	1816	1.24	106	0.47	103	-0.01	101	109	105	106	
2026																													

Sires

Bull			Selection Values									Birth			Wean				Grwth & Adaptation					Fertility				Raam		Carcass			Progeny				
Index EBV Acc	Genomic	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Weaner Calf V	Growth Value	Prod. Value	Carcass V	Cow wt brth	Birth wt	Cow-Calf birth	Cow wt wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Nr measured			
ID																																		Comp.nr	Birth	Wean	
																																			Grwth Test	Dght & clvs (Weaned)	
AG 060350		BZ 010154	107	89	61	124	77	65	75	92	67	79	80	107	94	82	89	61	62	86	91	100	91	89	88	94	75	89	81	73	148	93	117	131	113		
63969604		BZ 010157	96	96	92	91	72	83	95	57	78	84	4	0.28	-0.8	4	8.9	-8.1	-19	12.9	45	36	-21	-0.28	5.5	-5.7	4.0	25.0	-18	-10.1	5.44	-1.03	1.34	41	40	142	
													79	97	93	91	96	92	93	94	88	79	23	95	94	76	47	93	93	89	81	86	81				
AG 130399		AG 110038	107	88	105	136	99	104	100	68	95	73	66	113	67	68	88	105	115	84	70	88	70	96	83	109	103	93	69	72	91	97	114	252	223		
78612868		AG 030272	98	98	96	96	95	89	97	94	90	94	-23	-0.39	2.9	-25	8.7	5.3	108	10.8	-33	7	13	0.12	2.3	-14.0	-1.1	27.6	-28	-10.8	-0.26	-0.45	1.14	7	27	69	
													95	99	97	96	98	96	97	98	94	99	93	95	98	94	93	97	95	95	93	94	93				
CEF 130317		CEF 110301	119	120	60	94	118	118	109	149	126	146	102	117	131	107	120	60	81	128	147	104	129	105	131	106	116	109	89	117	125	139	144	1096	923		
77370666		CEF 100161	99	99	99	99	99	91	99	98	92	99	27	-0.76	-5.8	33	25.4	-8.5	28	50.3	258	45	-85	0.60	31.4	-12.5	-3.5	37.3	-12	28.5	3.21	6.14	3.65	294	219	594	
													99	99	99	99	99	99	99	99	99	99	98	99	99	99	98	99	99	99	99	99	99				
ERH 070029		AG 010051	80	97	106	85	62	63	84	90	64	79	109	90	80	116	97	106	95	90	92	88	103	65	81	79	85	61	108	93	82	75	96	123	49		
4040447874		GRT 970016	95	94	88	86	87	84	92	84	84	84	36	2.04	1.1	46	13.6	5.5	60	16.1	49	7	-42	-1.62	1.3	2.8	2.2	8.6	3	7.5	-1.08	-3.86	-0.39		7	9	
													85	97	91	86	94	88	89	92	85	93	83	85	88	85	83	94	85	85	84	84	84				
ERH 160021		HART060074	86	96	60	109	96	66	70	97	69	104	90	90	79	92	96	60	64	100	90	94	76	117	97	76	110	109	88	84	108	117	142	55	49		
83560938		ERH 130160	90	91	79	79	59	75	87	56	71	54	11	2.07	1.2	10	12.9	-8.7	-13	24.7	40	22	2	1.27	11.1	4.9	-2.3	37.0	-13	-0.3	1.49	2.74	3.50	19	10	23	
													44	93	83	79	91	79	83	88	81	50	27	90	88	62	39	76	87	82	53	54	53				
ERH 200138		HART160248	84	118	112	86	104	114	117	117	116	130	118	89	89	114	118	112	119	121	118	98	117	100	147	104	97	112	105	117	139	114	139	42	15		
91158857		ERH 180056	84	82	62	60	47	64	76	52	62	48	48	2.13	-0.1	42	24.7	7.5	118	43.3	146	32	-64	0.34	41.0	-11.6	0.0	39.1	1	28.6	4.63	2.20	3.25	8			
													43	91	70	60	82	62	68	79	73	52	26	85	82	50	31	61	80	74	46	49	46				
ERH 200171		HART160248	84	119	104	84	120	118	113	122	120	129	123	94	81	118	119	104	110	121	114	114	111	86	121	107	119	112	102	109	135	134	111	1	15		
91269662		ERH 160042	73	72	63	61	48	60	69	48	58	49	54	1.59	1.0	49	25.2	4.8	98	43.7	133	70	-55	-0.47	25.1	-13.1	-4.0	39.1	-2	21.8	4.13	5.42	0.89				
													44	76	66	61	72	63	65	68	65	53	27	77	74	52	32	59	72	66	48	50	48				
ERH 210070		HART160248	90	103	119	98	112	112	106	113	113	115	102	95	82	99	103	119	119	104	108	99	103	110	128	103	112	113	85	87	110	137	130	16	15		
92026731		ERH 130069	93	93	91	91	90	85	92	90	86	90	26	1.51	0.8	21	16.5	9.6	120	28.6	109	32	-41	0.90	29.6	-10.8	-2.6	39.5	-15	2.1	1.70	5.82	2.52				
													90	94	92	91	93	91	92	92	91	90	89	92	92	90	89	91	92	91	90	90	90				
GMS 160300		HA 070117	99	101	113	87	108	106	100	107	106	106	106	99	105	113	101	113	105	111	109	123	118	87	110	102	106	110	133	126	95	105	98	62	53		
84762483		GMS 140006	95	95	91	91	89	85	94	88	86	87	32	1.04	-2.3	41	15.2	7.8	84	34.9	113	91	-66	-0.38	18.9	-10.1	-1.6	37.7	23	36.4	0.14	0.89	-0.25		13	21	
													89	96	93	91	95	91	92	95	88	96	87	89	93	89	87	92	89	88	87	87	87				
HART060099		AG 000100	96	96	75	112	89	78	83	115	83	88	87	98	88	89	96	75	79	100	106	110	121	101	126	103	94	89	144	101	106	86	101	232	203		
64247943		AG 030260	98	98	96	96	93	89	97	92	90	90	6	1.16	0.1	5	12.9	-4.0	24	24.6	102	59	-71	0.36	28.4	-10.6	0.5	24.9	32	14.9	1.29	-2.23	0.03	74	49	246	
													91	98	97	96	98	96	97	98	95	96	88	97	97	92	90	97	97	95	90	90	90				
HART080141		AG 040427	89	90	116	99	43	59	88	98	62	90	99	91	89	98	90	116	105	88	100	86	114	73	96	74	45	85	103	105	93	112	84	195	177		
66778879		BHE 050084	97	98	95	95	92	88	97	91	89	90	22	1.92	0.0	19	9.3	8.6	85	14.3	78	3	-60	-1.20	10.3	5.8	9.2	23.1	0	17.8	0.02	1.92	-1.41	57	51	166	
													90	98	96	95	98	95	96	98	94	94	87	97	97	92	88	96	96	94	89	90	90				
HART100347		LAR 060224	105	90	98	120	63	76	93	106	79	88	85	105	93	83	90	98	97	92	108	105	125	105	79	67	80	83	104	95	88	91	66	58	45		
72091978		DNT 030093	95	94	90	90	88	85	93	88	86	88	3	0.47	-0.7	-3	9.5	3.0	67	17.5	109	48	-77	0.58	0.4	9.7	3.0	21.4	0	9.4	-0.50	-1.39	-2.97	15	6	21	
													87	96	92	90	94	90	91	93	90	88	85	93	93	87	86	92	92	90	88						

Sires

Bull			Selection Values									Birth			Wean				Grwth & Adaptation					Fertility				Raam		Carcass			Progeny			
Index EBV Acc	Genomic	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Weaner Calf V	Growth Value	Prod. Value	Carcass V	Cow wt brth	Birth wt	Cow-Calf birth	Cow wt wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Nr measured		
ID																																		Comp.nr	Birth	Wean
																																			Grwth Test	Dght & clvs (Weaned)
HART150170 81889990		HART090014 HART130157	95	108	126	106	92	116	123	106	114	124	97	92	98	91	108	126	136	110	106	116	96	100	79	88	99	95	113	106	99	126	127	136	116	
			97	97	94	94	92	88	96	92	89	92	19	1.83	-1.3	9	19.3	11.6	161	33.8	102	74	-30	0.30	0.2	-2.4	-0.5	29.0	7	19.3	0.54	4.18	2.19	21	26	45
HART150349 82553660		HART090014 HART120433	74	109	88	94	63	67	92	91	68	103	101	80	77	106	109	88	96	106	90	101	78	108	74	64	74	94	98	88	101	105	119	205	183	
			99	99	98	98	97	90	99	97	91	97	25	3.04	1.5	30	19.8	0.1	63	30.4	40	39	0	0.77	-3.0	11.7	4.1	28.5	-5	3.4	0.81	0.89	1.55	81	56	128
HART160081 83013961		HART090329 VBB 090302	107	100	64	101	116	92	83	95	91	95	95	103	111	100	100	64	69	105	89	112	96	91	105	115	118	99	70	93	105	96	127	93	87	
			96	97	94	94	92	87	96	92	88	93	17	0.67	-3.1	22	14.7	-7.2	-1	29.1	36	65	-30	-0.18	15.8	-17.5	-3.8	30.9	-27	7.6	1.22	-0.56	2.18	16	12	17
HART160248 84034719		FCT 110285 HART120053	83	116	117	88	110	118	116	128	121	137	118	94	71	111	116	117	122	120	113	107	113	105	122	104	103	118	90	106	148	143	108	375	339	
			99	99	99	99	98	91	99	98	92	98	48	1.56	2.3	39	23.5	8.9	126	43.2	129	54	-59	0.61	25.7	-11.6	-1.1	42.8	-11	19.2	5.44	6.91	0.61	121	75	144
HART160266 84034545		FCT 110285 HART120169	96	103	103	106	103	105	105	99	104	104	90	94	98	92	103	103	110	105	93	116	102	111	89	106	104	101	96	94	113	117	90	121	114	
			97	97	95	94	93	88	96	94	89	93	10	1.64	-1.3	11	16.7	4.6	98	29.6	54	75	-39	0.95	6.1	-12.6	-1.2	32.3	-7	8.6	1.98	2.80	-0.91	28	13	24
HART180175 87313011		HART110186 HART130002	82	105	132	97	79	98	112	110	100	107	104	88	77	100	105	132	131	106	106	101	106	123	99	78	91	93	94	94	74	111	99	198	163	
			99	99	97	97	97	90	98	98	92	97	29	2.18	1.5	22	17.4	13.4	149	30.7	104	38	-47	1.61	12.3	3.5	1.1	27.8	-8	8.0	-1.87	1.80	-0.13	47	8	9
HART200094 90550849		HDT 150046 HART140210	110	118	80	91	112	117	112	116	118	123	117	109	111	110	118	80	95	124	110	113	91	124	115	102	121	96	138	121	104	117	94	19	15	
			93	93	90	90	89	84	92	89	85	90	46	0.07	-3.0	36	24.6	-2.5	61	46.8	117	66	-22	1.66	21.9	-10.5	-4.3	29.4	27	32.2	1.10	2.76	-0.54	7	1	1
HART200134 90735788		CEF 130317 HART150073	105	94	77	121	121	101	88	114	103	102	84	103	119	84	94	77	82	98	107	94	120	87	91	111	123	106	101	90	84	125	135	63	51	
			96	96	93	93	93	87	95	94	88	93	2	0.70	-4.2	-2	11.9	-3.5	29	23.5	105	21	-70	-0.38	7.2	-15.2	-4.6	35.7	-2	5.1	-0.88	3.95	2.87	20	2	2
HART220089 93096261		HDT 150046 HART170191	97	99	102	93	104	96	92	116	100	116	109	108	80	106	99	102	98	111	105	119	79	111	99	92	113	106	100	97	94	101	69	34	30	
			95	95	93	92	92	86	94	92	87	92	36	0.18	1.1	32	14.4	4.4	67	35.1	98	82	-2	0.92	12.4	-4.5	-2.9	35.4	-3	10.6	0.13	0.28	-2.64	4		
HDT 150046 82832890		HDT 130103 HDT 120047	110	104	69	104	103	95	91	115	98	116	100	117	88	96	104	69	79	111	109	111	87	133	77	97	101	114	115	106	90	133	53	248	185	
			99	99	98	98	98	91	99	98	92	98	24	-0.83	0.1	17	17.1	-5.8	22	34.6	111	62	-15	2.13	-1.0	-7.5	-0.7	40.1	9	18.6	-0.34	5.23	-4.01	91	40	69
HMB 100112 72081128		AEJ 060107 HMB 050095	103	75	103	118	108	85	73	84	82	79	89	107	86	84	75	103	86	83	86	112	80	105	87	117	113	85	83	84	86	104	101	129	58	
			96	95	90	89	89	85	93	86	85	86	8	0.29	0.3	-1	1.6	4.6	40	9.4	24	64	-4	0.62	4.9	-18.7	-2.8	22.7	-17	-0.8	-0.71	0.70	0.00	10	13	
HMB 110085 74103938		AG 070251 HMB 020092	97	92	75	105	64	58	76	70	55	73	98	100	90	94	92	75	74	90	78	97	84	106	76	83	76	72	109	88	90	92	92	56	20	
			86	84	64	61	56	67	78	44	62	28	20	0.97	-0.2	14	10.8	-3.9	9	15.9	-5	28	-10	0.66	-1.5	0.9	3.7	14.9	4	3.0	-0.29	-1.22	-0.70	1	1	
HMB 140053 81422156		HMB 100143 HMB 050189	102	87	115	96	121	103	86	85	98	82	102	107	93	102	87	115	99	93	89	108	91	87	124	125	113	100	100	81	93	98	98	123	111	
			94	95	85	84	63	79	92	50	73	21	26	0.23	-0.6	25	7.7	8.3	71	18.4	36	55	-21	-0.40	27.2	-23.6	-2.9	31.7	-3	-3.5	-0.04	-0.21	-0.21	28	18	51
HMB 160042 85038214		HMB 100143 HMB 120093	101	87	81	91	117	81	67	119	87	94	103	103	100	110	87	81	68	104	106	131	106	106	81	115	113	105	88	84	60	128	110	102	91	
			96	96	93	92	91	87	95	92	88	90	28	0.61	-1.5	36	8.0	-2.2	-3	28.4	101	111	-47	0.67	1.6	-17.7	-2.9	35.0	-13	-0.7	-3.28	4.54	0.81	20	9	16

Sires

Bull			Selection Values										Birth			Wean				Grwth & Adaptation					Fertility				Raam		Carcass			Progeny		
Index EBV Acc	Genomic	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Weaner Calf V	Growth Value	Prod. Value	Carcass V	Cow wt brth	Birth wt	Cow-Calf birth	Cow wt wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Nr measured		
ID Comp.nr																																		Birth	Wean	Grwth Test
HMB 160111 85040947		HART060099 HMB 090125	89	115	89	91	102	102	105	102	101	101	110	90	96	109	115	89	100	110	100	111	117	101	125	101	103	104	141	115	108	87	100	44	39	
			88	90	78	78	59	74	86	49	69	31	36	2.00	-1.1	35	22.9	0.3	72	34.4	81	63	-64	0.37	27.6	-9.4	-1.1	34.5	30	26.5	1.50	-1.97	-0.04	14	12	25
			52	92									52	92	82	78	90	78	82	88	77	77	16	88	87	63	37	77	84	78	29	33	29			
HMB 170012 85531093		HMB 100143 HMB 080059	93	109	87	82	98	91	95	119	96	106	124	100	93	121	109	87	88	117	105	133	109	86	120	95	101	102	93	93	110	93	119	86	70	
			95	95	91	91	89	85	94	88	86	86	56	0.99	-0.7	53	19.9	-0.3	44	40.4	99	115	-51	-0.47	25.0	-6.1	-0.7	33.1	-9	7.5	1.67	-1.11	1.57	10	9	17
			87	96	92								87	96	92	91	95	91	92	94	89	95	86	92	94	88	86	92	91	90	86	86	86			
HMB 190046 88756663		HART120425 HMB 160205	88	97	81	110	100	82	84	80	79	86	89	86	91	90	97	81	85	92	86	85	88	85	102	99	111	88	85	70	111	97	108	53	44	
			85	90	61	57	46	66	80	36	60	38	9	2.39	-0.3	7	13.3	-2.2	37	18.0	26	0	-17	-0.53	14.1	-8.3	-2.5	24.4	-15	-12.6	1.76	-0.35	0.62	2		
			37	93	68								37	93	68	57	90	61	69	88	53	93	14	74	84	43	25	70	69	63	36	40	37			
HMB 200015 90574799		HART150170 HMB 170011	96	101	111	93	129	116	100	106	115	110	106	96	99	105	101	111	107	109	102	131	95	119	106	123	131	100	85	92	93	116	130	66	56	
			94	94	88	87	86	83	92	86	84	85	32	1.36	-1.5	29	15.2	7.0	89	32.9	86	111	-29	1.35	16.2	-21.9	-6.0	31.6	-15	6.3	-0.02	2.56	2.45	8		
													86	96	90	87	94	88	90	93	88	94	84	91	92	86	84	89	90	88	85	85	85			
IH 090049 69735561		RGR 990123 IH 010083	94	90	91	110	64	65	83	84	64	85	92	90	106	89	90	91	88	87	88	85	103	124	85	92	69	74	104	86	85	125	104	61	28	
			95	93	89	87	88	84	92	86	84	88	13	2.04	-2.4	6	9.6	1.0	45	13.5	34	-2	-41	1.65	3.6	-4.3	5.0	16.4	0	0.9	-0.83	3.94	0.24		5	8
													88	96	91	87	93	89	90	91	87	90	85	90	90	87	85	93	88	87	87	88	87			
JL 070074 67103374		AG 960059 LAR 970205	74	116	103	78	71	80	106	136	90	129	133	71	86	126	116	103	103	125	123	103	120	97	131	65	85	95	137	123	103	86	112	131	130	
			97	97	95	94	93	88	96	92	89	93	67	3.98	0.3	60	23.3	4.6	80	47.1	166	42	-69	0.15	31.2	11.1	2.0	28.9	26	34.2	0.98	-2.09	0.93	23	26	80
													93	98	96	94	97	95	95	97	94	96	91	96	96	93	91	96	95	94	93	93	93			
SBB 170093 86206323		HART120187 AG 150113	104	110	70	109	102	100	102	74	94	97	86	99	109	91	110	70	88	93	74	70	69	113	87	86	113	104	69	70	78	133	143	91	76	
			98	98	96	96	95	89	97	95	90	95	4	1.13	-2.7	8	20.3	-5.5	44	19.0	-18	-37	14	1.03	5.1	-1.0	-2.9	34.3	-28	-12.7	-1.50	5.21	3.57		10	12
													95	98	97	96	98	96	97	97	95	97	95	95	96	96	95	95	96	96	95	95	95			
SBB 190047 88479639		CRV 140373 GJN 160127	91	93	119	104	92	94	96	105	95	96	93	100	73	93	93	119	115	94	99	91	96	93	80	89	93	104	113	98	94	86	104	15	14	
			79	82	59	58	42	62	74	30	56	38	14	1.02	2.1	12	11.3	9.6	109	19.3	74	15	-29	-0.09	1.0	-3.0	0.6	34.3	7	11.8	0.10	-2.12	0.30		1	1
													50	85	66	58	82	59	66	82	38	92	21	47	81	39	23	63	51	45	36	41	37			
SBS 170120 86556255		RLH 090010 SBS 050010	90	111	109	79	114	110	107	112	111	118	119	96	94	125	111	109	104	111	108	111	115	111	102	99	123	103	140	127	108	109	124	81	71	
			90	93	73	71	49	72	86	20	62	10	49	1.36	-0.8	58	20.7	6.3	82	34.6	108	63	-62	0.96	13.9	-8.7	-4.6	33.6	29	37.2	1.44	1.46	1.98		7	11
													20	95	79	71	93	73	79	92	29	95	10	41	89	46	24	76	38	34	9	10	9			
THE 100185 71537781		THE 070181 THE 060043	85	97	96	110	77	76	89	94	76	90	88	93	67	89	97	96	99	96	100	104	106	107	109	88	78	101	108	94	87	99	95	204	175	
			97	97	93	93	78	85	96	64	81	42	7	1.74	2.8	6	13.3	2.4	71	21.5	80	46	-46	0.74	18.0	-2.5	3.3	32.3	3	8.5	-0.66	-0.13	-0.48	49	41	171
													91	98	94	93	97	93	94	94	90	39	34	95	94	82	56	95	94	91	40	43	40			
THE 150050 81391187		THE 100185 THE 080160	97	91	109	123	69	84	99	79	80	86	78	98	84	80	91	109	112	85	94	73	99	123	91	88	68	93	103	94	88	84	77	18	5	
			82	76	63	63	53	64	73	46	60	28	-6	1.17	0.6	-7	10.4	6.4	102	11.9	56	-30	-35	1.58	7.7	-2.4	5.1	27.7	-1	8.4	-0.51	-2.49	-2.04			
													62	87	71	63	76	63	67	71	63	46	25	76	77	50	35	74	71	64	27	29	27			
TOR 150078 82513417		TOR 120063 TOR 120266	108	96	94	108	70	82	97	89	81	101	93	103	111	91	96	94	96	104	82	96	78	119	66	79	73	97	84	78	94	121	108	278	257	
			98	98	95	95	93	89	97	92	90	92	14	0.63	-3.0	8	12.9	1.8	64	28.9	10	27	0	1.39	-7.8	3.1	4.2	30.1	-16	-5						

Sires

Bull				Selection Values										Birth			Wean				Grwth & Adaptation					Fertility				Raam		Carcass			Progeny																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Index EBV Acc	Genomic	Sire ID Dam ID	Comp.nr	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Weaner Calf V	Growth Value	Prod. Value	Carcass V	Cow wt brth	Birth wt	Cow-Calf birth	Cow wt wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	Birth	Wean																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

Growth Tests

Animal					Weight		Conformation				Growth & Efficiency					Carcass			
Test Code	Sex	Test number	Sire ID	Cow	Wean	End-	Length	Height	Length/	Scrotum	Intake	ADG	FCR	Veld	Growth	EMA	Fat	Marbling	Carcass
Test Station		ID	Dam ID	Value	dir	wt			Height					Growth	Value	Eye muscle Area			Value
201601 D11 M PIENAAR		0479316BON THE 150050 81391187	THE 100185 THE 080160	84	91	85	94	103	86	91	111	94	99	73	79	88	84	77	86
						12	8	-1	1.12	7.7	0.22	56	-35	-30		-0.51	-2.49	-2.04	
				64	76	68	64	71	68	77	25	63	25	46	46	27	29	27	28
202002 B22 M MOUTON		0553190BON WAGB200015 91481838	WAGB130042 WAGB100014	111	108	107	110	128	71	97	105	96	96	126	101	75	126	112	109
						32	23	19	1.07	11.1	0.34	63	-30	98		-1.79	4.11	0.93	
				82	90	86	86	86	86	89	85	86	85	93	86	85	86	85	86
202102 D11 M EMOK BONSMARASTOET		0553175BON ERH 200171 91269662	HART160248 ERH 160042	118	119	119	109	102	110	121	90	114	111	114	122	135	134	111	129
						43	22	-2	1.18	25.1	0.60	133	-55	70		4.13	5.42	0.89	
				60	72	69	66	72	69	74	27	65	27	53	48	48	50	48	49
202102 D11 M TRISTONE BUSINESS TRUST		0680092BON HART200134 90735788	CEF 130317 HART150073	101	94	96	90	101	84	91	114	107	120	94	114	84	125	135	102
						22	5	-2	1.11	7.2	0.16	105	-70	21		-0.88	3.95	2.87	
				87	96	95	94	95	94	95	92	94	92	93	94	93	93	93	93
202301 B22 M HANGALA		0609199BON HAB 230004 94894110	THE 150050 HAB 180020	72	84	83	88	101	81	99	109	92	94	55	84	88	96	97	88
						11	3	-2	1.10	12.0	0.26	48	-27	-74		-0.56	-0.58	-0.28	
				47	62	39	37	41	39	67	16	37	16	82	28	22	24	22	23
		HAB 230006 95571493	THE 150050 HAB 180052	89	98	91	99	106	88	93	110	91	93	84	79	91	81	91	88
						18	12	1	1.12	8.4	0.24	45	-26	-3		-0.26	-2.92	-0.84	
				44	57	36	34	38	36	66	14	34	14	28	25	18	19	18	18
202303 D11 M TRISTONE BUSINESS TRUST		0680092BON HART230419 94791027	HDT 150046 HT 170046	94	100	106	84	86	100	74	73	99	74	119	127	90	126	53	114
						32	0	-14	1.15	-3.0	0.91	76	6	82		-0.30	4.18	-4.01	
				83	91	90	90	91	90	91	87	89	87	89	88	89	89	89	89
202304 B22 M HANGALA		0609199BON HAB 230008 95449526	THE 150050 HAB 140041	82	86	85	93	101	88	89	108	90	90	72	80	88	91	88	86
						12	7	-3	1.12	6.4	0.27	40	-20	-33		-0.52	-1.35	-1.07	
				48	62	38	36	39	38	44	14	35	14	32	26	16	17	16	16
202304 B22 M BOTH A		0671284BON OBB 230131 96093109	SBS 170120 OBB 200059	106	98	108	112	122	82	115	107	104	110	122		99	108	111	106
						33	24	14	1.10	21.5	0.31	95	-54	88		0.56	1.40	0.87	
				51	68	16	18	20	19	70	6	15	6	89		5	5	5	5
202306 B22 M		0609199BON																	

Growth Tests

Animal					Weight		Conformation				Growth & Efficiency					Carcass			
Test Code	Sex	Test number	Sire ID	Cow	Wean	End-	Length	Height	Length/	Scrotum	Intake	ADG	FCR	Veld	Growth	EMA	Fat	Marbling	Carcass
Test Station		ID	Dam ID	Value	dir	wt			Height					Growth	Value	Eye muscle Area			Value
202306 B22 M HANGALA		0609199BON	HART140014 HAB 180032		90	91	92	106	78	98	114	92	99	115	94	94	85	102	92
		HAB 230005		87															
		95571469		46															
202307 B22 M HANGALA		0609199BON	HART140014 HAB 160047		90	99	102	108	89	96	109	97	101	122	98	94	93	107	96
		HAB 230015		89															
		97244693		41															
202401 B22 M HANGALA		0609199BON	HAB 240001		86	79	85	91	93	86	109	81	77	83		83	91	95	81
		HAB 240001		86															
		96460365		28															
202405 B22 M HANGALA		0609199BON	HMB 190046 HMB 210029		100	85	80	89	89	94	103	92	88	103	88	101	111	115	98
		HAB 240012		90															
		6020376916		49															
		HAB 240014	HMB 200015 HMB 210112		96	92	87	76	124	123	114	94	102	148	97	88	104	106	93
		6020376932		99															
				50															
		HAB 240019	HMB 200015 HMB 210160		94	98	94	86	117	104	105	100	103	138	107	87	109	121	99
		6020376981		110															
				50															
		HAB 240021	HMB 190046 HMB 210072		101	83	83	92	88	97	112	87	89	105	81	97	107	109	91
		6020377005		82															
				50															
		HAB 240022	HMB 200015 HMB 210053		102	90	85	82	109	96	100	91	86	89	93	93	106	108	98
		6020377013		113															
				50															
		HAB 240023	HMB 200015 HMB 210136		102	98	97	102	92	109	109	99	104	134	102	93	104	113	100
		6020377021		98															
				49															
202410 B22 M HANGALA		0609199BON	HAB 130094		88	87	92	105	79	89	107	85	82	87		89	107	108	89
		HAB 240027		93															
		6020377054		37															

Breeding Values and Accuracies: Bulls

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Animal				Selection Value										Birth			Wean				Growth & Adaptation					Fertility				Frame		Carcass		
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -brth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
			Sire ID Dam ID																															
THE 150050 81391187	6		THE 100185 THE 080160	97 82	91 76	109 63	123 63	69 53	84 64	99 73	79 46	80 60	86 28	78 -6 62	98 1.17 87	84 0.6 71	80 -7 63	91 10.4 76	109 6.4 63	112 102 67	85 11.9 71	94 56 63	73 -30 46	99 -35 25	123 1.6 76	91 7.7 77	88 -2.4 50	68 5.1 35	93 27.7 74	103 -1 71	94 8 64	88 -0.51 27	84 -2.49 29	77 -2.04 27
ERH 200171 91269662	1		HART160248 ERH 160042	84 73	119 72	104 63	84 61	120 48	118 60	113 69	122 48	120 58	129 49	123 54 44	94 1.59 76	81 1.0 66	118 49 61	119 25.2 72	104 4.8 63	110 98 65	121 43.7 68	114 133 65	114 70 53	111 -55 27	86 -0.5 77	121 25.1 74	107 -13.1 52	119 -4.0 32	112 39.1 59	102 -2 72	109 22 66	135 4.13 48	134 5.42 50	111 0.89 48
HART200134 90735788	1		CEF 130317 HART150073	105 96	94 96	77 93	121 93	121 93	101 87	88 95	114 94	103 88	102 93	84 2 92	103 0.70 97	119 -4.2 94	84 -2 93	94 11.9 96	77 -3.5 93	82 29 94	98 23.5 96	107 105 94	94 21 93	120 -70 92	87 -0.4 96	91 7.2 95	111 -15.2 93	123 -4.6 92	106 35.7 94	101 -2 95	90 5 94	84 -0.88 93	125 3.95 93	135 2.87 93
WAGB200015 91481838	4		WAGB130042 WAGB100014	106 93	108 90	76 88	98 87	125 86	111 82	98 90	101 86	109 83	109 86	93 14 87	105 0.43 94	105 -2.2 90	102 25 87	108 19.2 90	76 -3.5 88	86 40 88	109 32.9 90	96 63 86	126 98 93	96 -30 85	103 0.5 87	97 11.1 89	115 -17.7 86	129 -5.6 85	101 32.8 88	128 19 86	110 23 86	75 -1.79 85	126 4.11 86	112 0.93 85
HAB 230004 94894110	2		THE 150050 HAB 180020	100 64	84 62	109 42	107 37	69 34	72 47	84 56	84 28	71 43	88 23	93 15 44	103 0.70 70	91 -0.3 49	91 9 37	84 6.5 62	109 6.5 42	98 68 47	86 12.7 62	92 48 37	55 -74 82	94 -27 16	115 1.2 44	99 12.0 67	82 1.1 32	73 4.3 20	94 28.1 51	101 -2 41	88 3 37	88 -0.56 22	96 -0.58 24	97 -0.28 22
HAB 230005 95571469	3		HART140014 HAB 180032	94 65	90 62	104 40	104 33	97 33	87 46	86 55	94 28	86 42	92 36	90 11 38	98 1.17 71	85 0.4 48	94 13 33	90 9.8 62	104 5.0 40	98 68 45	96 21.1 48	92 50 37	115 72 37	99 -35 15	103 0.5 46	98 11.7 46	100 -9.0 28	106 -1.6 18	88 24.4 53	106 2 42	92 7 38	94 0.05 33	85 -2.33 38	102 0.12 33
HAB 230006 95571493	1		THE 150050 HAB 180052	91 63	98 57	109 40	107 37	81 32	89 44	99 52	79 25	85 40	88 18	89 9 43	92 1.79 69	88 0.0 49	91 9 37	98 13.7 57	109 6.6 40	112 101 45	92 18.1 48	91 45 34	84 -3 28	93 -26 14	104 0.5 41	93 8.4 66	88 -2.5 28	89 1.4 19	87 24.2 48	106 1 38	99 12 34	91 -0.26 18	81 -2.92 19	91 -0.84 18
HAB 230008 95449526			THE 150050 HAB 140041	90 65	86 62	114 46	113 45	85 33	82 48	87 57	80 26	79 44	86 16	86 5 45	93 1.69 70	77 1.4 54	86 2 45	86 7.6 62	114 7.9 46	107 90 51	83 10.0 49	90 40 35	72 -33 32	90 -20 14	111 1.0 43	89 6.4 44	96 -6.8 28	88 1.6 19	92 27.1 52	101 -3 39	93 7 36	88 -0.52 16	91 -1.35 17	88 -1.07 16
HAB 230015 97244693			HART140014 HAB 160047	101 56	90 54	105 39	99 31	97 31	89 41	86 49	98 26	89 38	96 34	99 22 41	103 0.65 60	97 -1.2 44	99 21 31	90 9.4 54	105 5.3 39	95 61 41	94 19.2 52	97 67 34	122 90 38	101 -38 15	103 0.5 44	96 10.2 45	102 -10.0 25	102 -0.9 16	91 26.3 51	108 3 40	102 15 35	94 0.04 31	93 -1.06 36	107 0.55 32
HAB 230026 6020377138			HAB 150101	115 57	86 34	98 28	102 32	112 21	98 32	84 36			83 10	98 21 33	116 -0.66 63	104 -2.2 44	96 16 32	86 7.5 34	98 3.2 28	87 43 31	87 13.4 35	84 19 16	99 34 25	80 -3 7	97 0.1 20	92 8.2 23	115 -17.9 20	122 -4.4 11	79 19.3 32	95 -7 19	90 5 17	84 -0.88 10	96 -0.56 11	100 -0.03 10
HAB 230027 6020377146			HMB 150082	107 58	85 35	96 28	107 36	106 24	90 33	81 37			78 18	92 13 30	109 0.00 64	95 -1.0 44	92 10 36	85 6.9 35	96 2.5 28	86 40 33	85 11.9 36	81 6 24	100 36 10	85 -11 28	96 0.1 28	83 2.9 28	105 -12.1 24	123 -4.6 16	74 16.2 32	96 -6 26	84 -1 24	78 -1.51 17	92 -1.19 18	94 -0.53 17
HAB 230035 6020377153			HAB 200007	104 57	90 33	109 26	101 13	106 19	98 29	91 33			79 17	98 21 33	107 0.20 63	94 -0.8 36	96 17 13	90 9.5 33	109 6.6 26	100 74 24	88 13.9 34	79 -1 16	99 34 24	81 -5 8	98 0.2 21	91 7.3 24	108 -13.9 14	116 -3.5 8	82 20.8 34	104 0 19	90 5 17	93 -0.02 16	85 -2.24 18	101 0.06 16

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Animal					Selection Value											Birth			Wean				Growth & Adaptation					Fertility				Frame		Carcass		
ID	Animal no	% Inbreeding	Genomic Parentage	Index	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -brth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	
				EBV Acc																																
HART230419	94791027	1	 HDT 150046 VHT 170046		100	100	82	97	112	94	86	127	101	114	104	105	91	103	100	82	83	109	99	119	74	128	74	112	108	109	86	84	90	126	53	
					91	91	90	89	88	83	91	88	84	89	29	0.48	-0.3	26	14.7	-1.8	33	32.8	76	82	6	1.8	-3.0	-16.0	-1.9	37.6	-14	0	-0.30	4.18	-4.01	
															89	92	90	89	91	90	90	90	89	89	87	91	91	88	87	89	91	90	89	89	89	
OBBS 230131	96093109	1	SBS 170120 OBB 200059		105	98	103	93	114	106	95			106	103	110	97	106	98	103	97	98	104	122	110	106	115	101	114	111	122	112	99	108	111	
					67	68	52	51	29	51	63			5	28	-0.05	-1.2	31	13.9	4.6	67	23.3	95	88	-54	0.7	21.5	-9.7	-3.0	38.6	14	24	0.56	1.40	0.87	
															11	72	57	51	68	52	57	70	15	89	6	21	70	26	13	49	20	18	5	5	5	
HAB 240001	96460365		HAB 200011		102	86	102	103	100	86	82			81	93	104	96	95	86	102	91	83	81	83	77	102	86	107	111	77	91	85	83	91	95	
					55	26	21	32	20	28	30			10	14	0.59	-1.0	15	7.4	4.4	52	9.7	8	-5	2	0.4	4.5	-13.1	-2.5	18.1	-10	1	-1.03	-1.32	-0.50	
															31	61	41	32	26	21	26	24	19	18	7	22	23	16	10	33	21	19	10	11	10	
HAB 240009	6020376882	2	HMB 200015 HMB 210034		96	96	109	99	104	99	96	98	98	100	100	96	97	99	96	109	105	99	98	111	101	110	105	107	105	99	90	93	98	105	116	
					63	58	42	39	33	45	53	28	42	26	23	1.35	-1.2	21	13.1	6.4	84	23.7	72	62	-39	0.9	15.9	-13.2	-1.5	31.3	-11	7	0.50	0.89	1.30	
															34	68	50	39	58	42	46	57	41	53	13	49	51	34	20	46	46	43	24	27	24	
HAB 240012	6020376916	10	HMB 190046 HMB 210029		84	100	98	108	95	90	95	88	87	98	92	83	88	90	100	98	104	98	92	103	88	100	94	97	101	95	89	80	101	111	115	
					66	68	44	39	33	49	60	24	44	27	13	2.73	0.1	8	14.9	3.1	82	23.2	48	42	-18	0.3	9.4	-7.1	-0.8	28.8	-12	-4	0.74	1.79	1.20	
															36	73	51	39	68	44	50	70	35	88	11	45	69	33	17	48	43	39	26	28	26	
HAB 240014	6020376932	2	HMB 200015 HMB 210112		93	96	95	99	120	99	88	97	97	93	97	91	99	99	96	95	93	105	94	148	102	103	123	116	122	100	76	87	88	104	106	
					67	69	45	39	32	50	60	27	45	26	19	1.93	-1.4	21	13.0	2.3	56	29.3	57	153	-40	0.5	26.7	-18.3	-4.4	32.0	-22	2	-0.52	0.62	0.47	
															36	73	52	39	69	45	51	70	40	88	11	48	70	33	18	46	46	42	25	28	25	
HAB 240019	6020376981	4	HMB 200015 HMB 210160		101	94	102	101	131	110	92	107	110	99	97	100	101	97	94	102	98	102	100	138	103	107	104	130	126	103	86	94	87	109	121	
					67	69	45	40	33	50	61	27	45	26	19	0.95	-1.8	18	11.6	4.4	67	26.7	79	127	-42	0.7	14.9	-26.4	-5.2	33.7	-15	8	-0.63	1.41	1.71	
															36	73	52	40	69	45	51	70	40	88	11	48	69	34	18	46	46	42	24	27	24	
HAB 240021	6020377005	3	HMB 190046 HMB 210072		88	101	96	101	82	82	94	81	79	91	99	87	94	98	101	96	99	100	87	105	89	100	97	86	88	94	92	83	97	107	109	
					66	69	46	40	33	50	61	24	45	27	22	2.30	-0.8	19	15.7	2.4	70	24.8	31	48	-19	0.3	10.8	-1.0	1.5	28.5	-9	-1	0.39	1.10	0.68	
															36	73	51	40	69	46	52	70	36	88	11	46	69	34	18	48	43	40	26	28	26	
HAB 240022	6020377013	2	HMB 200015 HMB 210053		93	102	107	106	120	113	104	93	109	98	91	93	92	92	102	107	112	102	91	89	86	109	96	116	121	103	82	85	93	106	108	
					67	69	47	39	32	50	61	28	46	24	12	1.71	-0.5	11	16.0	5.7	103	26.9	47	8	-13	0.8	10.1	-18.1	-4.2	33.8	-17	0	0.02	0.93	0.65	
															37	73	52	39	69	47	52	70	41	88	12	48	70	31	19	46	46	43	23	25	23	
HAB 240023	6020377021	3	HMB 200015 HMB 210136		77	102	103	99	114	98	94	102	98	100	100	79	82	99	102	103	105	107	99	134	104	108	109	109	114	105	102	97	93	104	113	
					66	69	45	39	31	49	60	26	44	20	23	3.12	0.9	21	16.2	4.6	85	30.9	74	117	-44	0.8	17.9	-14.4	-3.1	35.0	-2	11	-0.04	0.70	1.02	
															25	73	51	39	69	45	51	70	40	88	10	48	69	33	17	44	45	42	19	21	19	
HAB 240025	6020377047	1	WAGB200015 HMB 150128		107	93	76	107	106	88	82	90	86	89	87	107	101	93	93	76	76	95	90	120	91	99	90	108	107	98	100	92	95	108	108	
					67	64	46	41	33	49	58	22	44	27	6	0.23	-1.7	11	11.4	-3.7	15	20.8	40	83	-22	0.3	7.1	-13.5	-1.9	30.5	-3	6	0.16	1.35	0.66	
															45	73	53	41	64	46	50	56	32	50	9	37	46	33	19	47	35	33	26	28	26	
HAB 240027	6020377054		HAB 130094		116	88	100	101	97	93	88			89	103	116	109	98	88	100	90	86	85	87	82	102	89	100	103	89	105	92	89	107	108	
					58	53	34	16	23	37	46			15	28	-0.71	-2.8	19	8.6	3.7	49	12.9	23	5	-7	0.4	6.5	-9.1	-1.1	25.1	1	6	-0.37	1.15	0.63	
															34	64	39	16	53	34	34	34	15	23	10	19	22	20	10	38	18	16	14	16	14	

Breeding Values and Accuracies: Bulls

Inbreeding in red is high

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Animal				Selection Value										Birth			Wean				Growth & Adaptation					Fertility				Frame		Carcass		
ID	Inbreeding	Genomic	Index	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -brth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
HAB 240028 6020377062		HAB 160047		112 57	82 53	98 31	102 23	108 20	89 37	78 46			84 14	99 22	113 -0.37	103 -2.0	97 17	82 5.4	98 3.1	83 32	83 10.3	84 18	105 48	81 -6	93 -0.1	90 6.6	108 -13.7	119 -3.9	81 20.2	100 -3	92 7	81 -1.23	101 0.22	106 0.45
HAB 240043 6020377104		WAGB200015 OBB 220164		111 64	101 51	94 42	101 38	123 26	115 42	100 50			106 15	91 12	112 -0.24	103 -2.0	98 19	101 15.6	94 1.8	97 66	107 31.2	101 84	133 115	106 -47	96 0.1	112 20.0	122 -21.6	116 -3.4	109 37.3	121 13	112 24	82 -1.16	116 2.61	108 0.65
HAB 250003 6020621071	1	ERH 200171 WAGB090089		87 65	110 52	102 50	88 41	117 33	109 45	102 52	103 28	107 42	106 31	114 42	93 1.67	86 0.3	112 40	110 20.3	102 4.2	104 82	111 34.8	100 80	115 72	105 -45	91 -0.2	114 21.0	113 -16.6	114 -3.0	109 37.4	101 -2	99 13	114 2.08	117 2.66	103 0.22
HAB 250018 99255366		 HAB 230003		111 86	99 84	97 83	95 83	103 82	101 77	97 84	95 82	99 78	97 82	102 27	109 0.01	111 -3.0	105 29	99 14.3	97 2.7	94 58	105 29.3	97 68	126 100	102 -40	101 0.4	103 14.9	94 -5.8	108 -1.9	106 35.4	95 -7	91 5	94 0.09	102 0.42	92 -0.76
HAB 250019 99255374		HAB 200011		103 54	85 26	102 21	103 32	100 18	86 27	82 30			81 10	93 14	105 0.48	96 -1.1	95 15	85 7.1	102 4.4	90 50	82 9.4	81 8	83 -5	77 2	102 0.4	86 4.5	107 -13.1	111 -2.5	77 17.8	91 -10	85 1	83 -1.03	91 -1.32	95 -0.50
HAB 250024 6020800501		HMB 210160		103 56	85 36	96 32	103 28	121 22	94 33	78 37			81 19	95 17	104 0.57	98 -1.4	95 15	85 7.0	96 2.5	85 36	88 14.4	85 23	111 63	88 -17	94 0.0	93 8.8	125 -23.6	129 -5.6	79 19.0	88 -12	90 5	77 -1.58	94 -0.94	107 0.51
HAB 250029 6020624976	1	WAGB200015 HMB 210032		109 65	98 52	90 42	99 39	117 31	105 43	93 51	99 22	103 39	104 24	93 14	109 0.06	105 -2.3	100 22	98 13.9	90 0.7	90 48	99 24.4	93 54	113 68	92 -24	102 0.4	92 8.0	108 -13.6	124 -4.8	97 30.1	112 6	101 15	89 -0.38	122 3.47	105 0.35
HAB 250035 6020377161	1	WAGB200015 HMB 150128		104 57	96 53	76 45	106 41	105 33	89 43	84 51	91 22	87 39	92 27	88 7	104 0.55	100 -1.5	94 13	96 12.9	76 -3.7	78 20	98 23.1	91 46	118 79	92 -24	99 0.3	92 7.9	107 -12.8	107 -1.8	98 30.5	102 -1	95 9	97 0.35	108 1.34	109 0.67
HAB 250036 6020377179	1	WAGB200015 HAB 230014		103 50	96 47	86 37	105 33	104 27	92 37	88 44			95 24	88 7	103 0.64	99 -1.5	94 13	96 12.6	86 -0.7	86 40	99 24.4	93 54	122 88	97 -32	106 0.6	95 9.5	105 -11.9	108 -2.0	94 28.2	108 3	101 15	89 -0.45	98 -0.21	106 0.42
HAB 250046 6020377203	1	WAGB200015 HMB 210053		99 67	102 64	92 46	104 39	117 30	107 48	97 58	92 22	103 43	97 23	89 8	100 0.99	96 -1.0	95 14	102 15.9	92 1.2	97 67	103 27.7	90 41	116 74	91 -22	102 0.4	94 9.0	113 -16.3	119 -4.0	103 33.5	105 1	95 10	84 -0.92	110 1.70	99 -0.12
HAB 250051 6020353345		WAGB200015 OBB 230010		87 64	102 48	93 35	103 33	117 23	100 39	93 46			94 15	92 12	89 2.08	86 0.3	96 16	102 15.9	93 1.5	98 67	99 24.3	88 33	106 50		99 0.3	90 7.0	111 -15.4	123 -4.6	96 29.3	114 8	101 14	75 -1.77	107 1.23	107 0.54
HAB 250052 6020377237	1	WAGB200015 HMB 210034		90 67	105 52	93 42	101 39	102 31	97 44	99 51	96 22	96 40	100 24	93 15	90 2.05	94 -0.8	98 19	105 17.8	93 1.5	100 73	103 27.2	95 60	108 56	102 -39	102 0.4	101 13.3	103 -11.0	104 -1.3	99 31.5	112 6	102 15	89 -0.38	110 1.66	107 0.53

Breeding Values and Accuracies: Bulls

Inbreeding in red is high

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Animal				Selection Value									Birth			Wean				Growth & Adaptation					Fertility				Frame		Carcass				
ID	Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -brth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
HAB 250057	6020377245	1	WAGB200015		91	104	76	93	115	92	86	96	91	89	99	90	101	108	104	76	80	105	92	118	101	102	83	105	122	99	117	99	65	108	103
			HMB 210175		66	52	42	39	30	43	51	20	38	18	22	1.99	-1.7	33	17.3	-3.6	26	29.4	47	80	-38	0.4	2.8	-12.0	-4.5	31.5	10	13	-2.80	1.31	0.20
															38	72	51	39	52	42	44	50	30	52	8	36	46	31	16	44	34	31	17	19	17
HAB 250061	6020644792	1	ERH 210070		86	107	114	96	105	107	107	106	107	116	102	91	82	102	107	114	118	108	101	108	98	113	111	94	109	108	99	98	108	129	123
			ERH 220135		66	65	47	43	35	50	59	30	46	36	26	1.94	0.9	24	18.7	8.1	116	32.6	83	54	-34	1.0	19.4	-5.5	-2.1	36.6	-4	12	1.51	4.62	1.87
															32	72	53	43	65	47	52	50	43	39	16	49	48	38	22	44	47	43	34	37	35
HAB 250063	6020377278		HART200134		119	93	90	105	100	98	93	105	98	102	99	114	120	94	93	90	88	95	102	90	109	99	92	99	96	110	110	94	94	126	125
			HAB 130094		68	56	47	38	36	47	54	36	45	38	22	-0.51	-4.2	13	11.0	0.7	43	20.5	87	12	-52	0.3	8.1	-8.6	0.1	37.8	5	9	0.07	4.19	2.03
															44	73	54	38	56	47	47	56	43	41	26	49	49	36	22	49	47	44	36	39	36
HAB 250066	6020377393	1	WAGB200015		97	108	96	100	111	110	106	104	109	108	96	95	101	98	108	96	105	109	101	116	97	99	83	108	115	97	125	108	86	118	113
			HMB 210026		66	52	43	39	31	44	51	21	39	24	18	1.46	-1.7	19	19.2	2.5	86	32.6	82	75	-32	0.2	2.4	-13.4	-3.2	30.1	17	21	-0.74	2.89	1.04
															42	72	51	39	52	43	45	51	30	52	10	35	45	33	16	44	34	31	23	26	24
HAB 260004	6020621063	1	HART200134		101	100	99	105	111	106	100	101	104	94	95	98	102	93	100	99	103	100	97	101	109	96	95	107	110	108	110	96	99	105	118
			HAB 200007		67	56	43	36	33	45	53	36	43	38	16	1.14	-1.8	12	14.8	3.4	80	24.8	68	37	-52	0.1	9.6	-12.9	-2.3	36.5	5	10	0.57	0.80	1.47
															44	72	51	36	56	43	45	56	43	42	25	50	51	33	21	46	47	44	36	40	36
HAB 260005	6020353360	2	ERH 210070		76	103	124	95	93	97	104	99	96	104	101	83	75	102	103	124	122	104	99	96	97	100	106	89	96	104	96	91	97	112	117
			ERH 220171		66	55	44	43	34	46	53	30	43	35	25	2.79	1.8	25	16.8	11.1	127	28.6	74	26	-31	0.3	16.4	-3.1	0.1	34.2	-7	6	0.34	1.97	1.37
															32	72	53	43	55	44	47	50	43	38	16	49	48	38	22	42	46	43	34	36	34
HAB 260006	6020353378	2	HART220089		86	101	103	100	108	98	94	105	99	109	100	97	67	98	101	103	105	105	94	105	82	111	107	100	113	105	82	87	106	111	83
			ERH 220154		67	56	44	42	32	46	54	30	43	40	23	1.25	2.9	19	15.3	4.8	85	29.2	56	47	-6	0.9	16.8	-9.3	-2.8	34.8	-17	2	1.31	1.82	-1.52
															36	73	53	42	56	44	47	52	44	38	15	50	48	36	19	42	48	44	39	42	39
HAB 260014	6020644958	1	WAGB200015		98	107	95	100	102	104	104			104	95	99	97	99	107	95	102	107	97	102	97	101	90	100	103	104	120	107	91	108	105
			SBB 220195		64	51	39	36	28	42	49			21	17	1.12	-1.1	21	18.6	2.1	79	30.8	67	41	-32	0.4	6.9	-8.8	-1.1	34.3	13	20	-0.22	1.30	0.33
															35	71	49	36	51	39	42	50	23	53	8	29	44	29	14	40	29	26	20	22	20
HAB 260022	6020798309	1	WAGB200015		99	100	92	104	105	98	94			94	90	103	89	95	100	92	95	101	91	119	96	95	102	97	112	103	117	99	83	110	104
			HMB 210164		66	51	41	39	30	43	50			19	9	0.70	-0.1	14	14.8	1.1	62	25.7	43	81	-30	0.1	13.7	-7.4	-2.8	33.4	11	12	-1.02	1.64	0.27
															41	72	51	39	51	41	44	50	29	51	7	35	45	31	16	42	33	30	18	20	18
HAB 260025	6020773773		WAGB200015		92	108	91	89	110	100	97			107	108	93	100	112	108	91	94	111	105	120	107	104	101	104	113	101	124	115	85	108	102
			HAB 230010		62	42	35	31	25	37	42			19	35	1.75	-1.6	40	19.2	1.0	58	34.7	98	83	-49	0.5	13.1	-11.6	-2.9	32.4	16	27	-0.82	1.32	0.13
															33	68	45	31	42	35	36	40	22	47	8	27	39	24	14	37	25	22	18	20	18
HAB 260029	6020773815	1	WAGB200015		97	104	92	98	119	108	98	90	104	96	94	98	97	100	104	92	97	104	87	119	92	108	90	117	122	97	107	97	84	111	98
			HMB 210133		66	52	42	39	31	44	51	22	40	25	15	1.15	-1.2	23	17.1	1.3	66	28.8	28	81	-23	0.7	7.0	-18.7	-4.5	30.3	2	11	-0.94	1.86	-0.25
															40	72	51	39	52	42	44	51	32	53	11	37	46	32	18	43	35	32	24	26	24
HAB 260033	6020797582	1	WAGB200015		115	93	90	97	106	97	88			99	94	116	107	102	93	90	84	93	94	100	93	108	93	107	107	101	110	100	84	111	100
			HAB 200011		64	46	37	43	27	40	47			18	15	-0.66	-2.5	25	11.4	0.6	36	19.0	56	36	-25	0.8	8.8	-13.3	-1.8	32.3	5	14	-0.89	1.80	-0.06
															42	69	52	43	46	37	42	44	26	48	8	32	43	25	15	42	30	27	17	19	17

Breeding Values and Accuracies: Bulls

Inbreeding in red is high

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Animal				Selection Value												Birth			Wean				Growth & Adaptation					Fertility				Frame		Carcass		
ID	Animal no	% Inbreeding	Genomic Parentage	Index		Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -brth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean wt	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
				EBV	Acc																															
HAB 260038				HART200134		107	98	88	106	117	105	95	106	105	98	95	102	110	93	98	88	92	101	102	101	108	95	96	114	115	106	102	95	90	115	117
6020798317	1			HAB 150101		67	57	44	47	36	47	55	36	45	36	16	0.74	-2.9	12	13.9	0.2	53	25.7	88	37	-50	0.0	10.5	-17.0	-3.2	35.3	-2	9	-0.28	2.48	1.38
																44	72	56	47	57	44	49	57	44	42	25	49	50	36	23	48	47	44	34	37	34

Breeding Values and Accuracies: Cows & Heifers

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass		
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
			Sire ID Dam ID																															
WAGB090080 69100089	7	WAGB060066 WAGB040068		92 78	90 75	103 75	112 53	101 48	89 62	88 73	102 26	90 55	90 42	79 -5 49	92 1.81 79	86 0.2 69	87 3 53	90 9.5 75	103 4.5 75	100 73 68	89 15.4 74	97 67 40	116 75 73	107 -48 10	98 0.2 47	114 20.9 58	108 -13.7 47	96 0.2 28	105 35.2 68	107 3 44	88 3 41	86 -0.76 39	101 0.16 44	120 1.68 40
WAGB090089 69631315	1	WAGB060076 WAGB070049		88 84	101 76	100 76	93 54	115 45	100 63	93 75	83 26	95 56	84 38	105 30 56	91 1.91 84	91 -0.4 73	107 32 54	101 15.7 76	100 3.7 76	98 67 69	101 26.3 76	86 28 40	115 73 57	99 -35 9	96 0.1 49	107 16.9 58	119 -20.1 38	108 -2.0 26	106 35.7 70	100 -3 46	89 4 41	94 0.04 35	99 -0.10 40	95 -0.45 36
FLH 120083 77182269		ERH 070029 WAGB080090		85 72	101 68	99 53	97 44	69 42	73 54	91 63	87 28	73 49	87 40	100 23 39	91 1.95 76	81 0.9 60	102 24 44	101 15.4 68	99 3.4 53	99 71 55	93 18.9 56	91 44 36	90 12 64	103 -41 18	76 -1.0 39	80 0.9 48	78 3.7 37	82 2.6 28	81 20.5 62	111 6 38	97 11 36	84 -0.93 38	96 -0.50 41	106 0.48 38
WAGB120015 75451617		WAGB040107 WAGB050088		106 80	98 76	83 74	96 60	89 52	84 64	88 74	94 37	84 59	97 50	100 24 70	106 0.32 81	104 -2.1 72	104 27 60	98 14.0 76	83 -1.4 31	83 31 70	96 21.5 74	98 71 50	98 31 66	106 -47 22	84 -0.5 54	84 3.5 61	97 -7.4 53	92 0.9 34	92 27.1 69	113 7 53	96 10 50	80 -1.34 49	122 3.54 52	107 0.53 49
WAGB120079 75468256	1	JL 070074 WAGB080058		75 78	106 71	109 59	88 57	78 52	81 60	97 68	108 40	84 56	100 51	116 44 54	74 3.74 79	82 0.8 69	111 39 57	106 18.3 71	106 6.5 59	107 90 62	108 31.8 73	107 106 48	80 -12 65	108 -49 30	89 -0.3 53	112 20.0 59	77 4.2 54	87 1.7 35	92 27.1 68	122 14 52	111 24 49	94 0.11 49	69 -4.86 53	102 0.15 49
WAGB120092 75468421		JL 070074 WAGB070071		78 79	103 73	116 66	92 58	58 51	74 62	100 71	115 39	80 57	110 42	115 44 53	76 3.45 80	89 -0.1 70	107 32 58	103 16.7 73	116 8.6 66	113 104 66	108 32.0 74	110 116 47	100 35 58	113 -58 29	97 0.2 53	110 18.5 57	49 19.9 53	81 2.7 32	92 27.0 68	126 18 51	113 25 47	95 0.22 41	91 -1.32 44	109 0.69 42
HAB 140005 78973526		IH 090049 FLH 110002		97 69	89 62	90 44	109 33	75 39	69 48	81 56	78 27	67 44	81 31	92 13 34	94 1.56 73	98 -1.4 53	90 8 33	89 9.1 62	90 0.6 44	85 38 46	85 12.0 46	82 12 31	91 14 42	94 -27 20	111 1.0 39	87 4.8 42	88 -2.0 40	82 2.7 18	83 21.6 58	104 0 35	85 1 31	83 -1.05 29	111 1.76 33	103 0.17 29
HAB 140041 79939161		HMB 100112 FLH 040016		90 73	80 67	116 65	102 64	102 35	82 56	76 67	80 22	78 49	81 18	98 21 65	96 1.39 75	79 1.3 69	95 15 64	80 4.2 67	116 8.7 65	98 68 65	80 7.0 67	83 16 30	73 -30 44	80 -4 11	99 0.3 38	85 3.9 43	105 -12.0 26	107 -1.8 16	90 25.8 63	95 -7 35	88 3 31	84 -0.90 17	98 -0.20 19	99 -0.13 17
HAB 140046 79943411	1	IH 090049 FLH 120032		87 72	100 68	97 61	99 32	89 40	84 53	92 63	91 29	83 48	83 34	100 23 60	86 2.43 75	94 -0.7 56	99 21 32	100 15.0 68	97 2.8 61	98 68 54	97 21.9 68	93 53 34	152 161 43	111 -55 21	105 0.6 42	88 5.4 44	101 -9.7 37	88 1.6 19	90 25.9 63	113 7 39	96 10 34	83 -1.06 32	102 0.41 36	105 0.38 32
HAB 140056 79943445	1	IH 090049 WAGB090089		101 76	94 60	95 59	100 40	93 39	86 52	89 60	84 30	83 48	85 36	99 22 62	96 1.36 78	108 -2.7 62	98 19 40	94 11.7 60	95 2.1 59	91 51 53	92 18.0 56	87 31 36	100 35 49	101 -38 20	110 0.9 45	96 10.3 49	105 -12.2 33	88 1.5 20	99 31.0 64	102 -1 41	88 3 37	90 -0.32 34	112 1.92 38	100 -0.10 34
HAB 150073 84989946		HMB 100112 WAGB090029		107 70	81 70	100 53	114 46	98 42	86 54	80 64	80 26	82 48	79 28	87 6 43	111 -0.13 74	89 -0.1 58	86 1 46	81 4.9 70	100 3.8 53	90 48 56	83 9.8 71	82 11 38	104 46 55	86 -14 12	95 0.0 45	82 2.3 52	100 -9.0 43	102 -0.8 22	97 29.8 62	94 -8 42	84 -1 38	81 -1.24 27	109 1.50 30	104 0.31 28
HAB 150101 84990001		HMB 100112 HAB 130039		108 89	99 87	100 85	96 86	113 83	107 79	97 87	97 82	105 80	94 81	105 30 86	108 0.11 89	105 -2.2 87	103 26 86	99 14.2 87	100 3.6 85	97 66 86	101 25.9 87	98 70 82	107 54 84	95 -29 81	102 0.4 83	102 13.7 84	117 -18.8 82	107 -1.8 81	105 34.9 86	102 -1 83	100 13 82	96 0.31 81	106 1.01 81	99 -0.10 81

Breeding Values and Accuracies: Cows & Heifers

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass		
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
			Sire ID Dam ID																															
HAB 150106 84545060	1	HMB 110085 WAGB100125		101 69	91 56	97 48	102 42	77 38	77 48	86 55	78 29	74 44	75 28	97 20 37	103 0.62 74	94 -0.8 55	96 17 42	91 10.2 56	97 2.9 48	91 52 49	91 16.9 54	86 25 39	93 18 49	93 -24 16	92 -0.1 46	91 7.3 49	88 -2.2 35	81 2.7 22	89 25.0 58	109 4 43	93 7 39	92 -0.08 27	80 -3.05 29	100 -0.03 27
HMB 150108 82798562	1	HART060099 HMB 110046		95 72	94 70	93 60	112 60	101 51	91 59	90 67	99 36	91 54	89 31	86 5 42	99 1.13 75	83 0.7 66	87 3 60	94 12.0 70	93 1.6 60	95 62 63	96 21.1 72	99 76 53	97 29 54	112 -56 16	97 0.2 58	119 24.0 57	107 -13.3 56	101 -0.8 34	96 29.6 62	128 19 56	98 12 54	96 0.25 29	97 -0.37 33	105 0.40 29
HMB 150112 82798570	2	AG 060350 HMB 100058		94 76	92 72	73 68	110 72	82 50	67 62	75 72	94 34	68 56	77 44	87 7 68	97 1.32 78	84 0.6 73	90 7 72	92 10.7 72	73 -4.5 68	73 9 71	93 18.5 73	93 51 52	100 37 47	100 -37 15	90 -0.3 56	97 11.0 55	95 -6.3 53	84 2.2 31	91 26.5 65	101 -2 55	86 1 52	129 3.56 43	92 -1.26 46	106 0.48 43
HMB 150124 82794975	1	HART080141 HMB 070032		91 75	90 73	118 66	105 60	71 51	79 61	92 70	87 36	78 56	83 36	89 9 63	95 1.45 77	80 1.1 68	92 10 60	90 9.7 73	118 9.3 66	111 101 66	94 19.3 74	92 49 53	100 35 53	108 -50 18	78 -0.9 58	102 14.0 58	92 -4.6 55	72 4.4 34	88 24.4 65	109 4 56	100 14 53	87 -0.62 35	103 0.47 38	89 -1.02 35
HMB 150128 82798455	1	AG 060350 HMB 100019		103 77	84 72	75 66	116 60	87 51	68 61	72 70	82 35	67 56	75 46	83 1 70	103 0.67 78	93 -0.7 70	86 1 60	84 6.6 72	75 -3.9 66	69 -1 66	87 13.4 72	87 28 52	110 60 48	88 -17 15	96 0.1 57	87 4.8 58	98 -8.0 54	86 2.0 31	96 29.3 67	77 -22 56	79 -5 53	118 2.49 44	91 -1.43 47	106 0.41 44
HMB 150151 82798612	2	HART100347 HMB 120020		98 70	93 68	111 53	104 54	62 42	77 55	95 64	100 35	79 51	87 40	95 17 43	98 1.16 74	94 -0.8 62	93 12 54	93 11.3 68	111 7.0 53	107 89 58	93 18.4 58	106 101 47	107 53 43	119 -68 21	94 0.0 53	94 9.1 53	76 4.8 41	72 4.4 28	83 21.9 58	105 1 51	104 17 48	89 -0.40 38	98 -0.22 41	77 -2.04 38
HMB 150155 82881624	2	HART060099 HMB 100132		95 78	94 72	102 64	90 60	99 52	87 61	84 70	98 36	87 56	86 33	109 35 69	102 0.74 79	88 0.0 70	110 36 60	94 11.5 72	102 4.4 64	91 52 65	98 23.4 72	98 73 53	103 42 57	111 -55 18	102 0.5 56	132 32.1 57	98 -8.0 50	109 -2.1 37	92 27.2 68	118 11 56	100 14 54	96 0.30 31	96 -0.53 35	101 0.01 31
HAB 160040 84641810		HMB 100112 WAGB120059		102 76	87 69	99 58	104 70	105 42	89 58	82 68	94 30	88 52	94 30	104 28 67	103 0.71 78	97 -1.2 72	95 14 70	87 8.1 69	99 3.4 58	90 48 66	92 18.1 70	91 44 39	91 14 56	88 -17 18	107 0.7 47	89 6.0 58	103 -11.1 37	105 -1.4 24	106 35.2 64	99 -4 43	93 8 39	88 -0.54 29	103 0.46 32	102 0.14 29
HAB 160044 84641844		HMB 100112 WAGB100106		103 69	81 67	101 50	99 50	100 38	80 53	74 62	85 26	78 48	80 22	98 20 47	105 0.45 74	97 -1.2 59	99 20 50	81 4.9 67	101 3.9 50	84 34 56	86 12.9 68	87 31 35	96 25 53	91 -22 12	99 0.2 44	86 4.4 51	106 -12.7 35	102 -0.9 21	94 28.1 59	96 -6 41	87 2 36	84 -0.95 21	100 0.12 23	97 -0.28 21
HAB 160067 84949130		HMB 100112 WAGB100046		94 71	92 70	114 53	98 50	105 39	97 54	93 65	89 27	94 49	88 24	103 28 49	95 1.50 75	95 -0.9 61	99 21 50	92 10.9 70	114 8.1 53	106 87 58	92 17.8 70	92 47 35	102 40 54	89 -19 16	98 0.2 43	92 8.1 50	102 -10.1 35	111 -2.4 22	95 29.1 61	99 -4 40	95 9 36	94 0.11 23	99 -0.11 25	102 0.12 23
HAB 160079 84949197		HMB 100112 WAGB120007		103 69	103 70	93 52	98 45	101 39	100 53	99 63	84 26	96 48	89 26	101 25 44	104 0.51 74	99 -1.5 57	101 23 45	103 16.5 70	93 1.6 52	97 65 56	97 22.3 70	87 30 38	62 -56 55	82 -7 12	94 0.0 46	96 10.6 53	105 -12.0 36	102 -1.0 21	97 30.1 59	94 -8 43	89 4 39	100 0.73 25	97 -0.35 28	101 0.07 26
HAB 180029 87299822	1	HART140014 WAGB100144		102 70	95 69	99 47	99 42	101 40	94 52	90 62	100 29	94 47	100 38	94 16 43	108 0.10 74	89 -0.1 56	100 21 42	95 12.2 69	99 3.4 47	94 60 53	95 20.9 54	98 73 37	93 20 44	99 -34 18	104 0.5 45	96 10.4 49	114 -17.3 40	97 -0.1 21	92 26.9 58	103 -1 42	98 11 38	110 1.70 35	88 -1.80 40	106 0.46 36

Breeding Values and Accuracies: Cows & Heifers

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values											Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass		
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
HAB 200007 89907208			HART140014 HAB 130094		99 88	101 87	121 85	94 83	101 84	108 79	106 86	88 82	104 80	87 83	105 31 86	104 0.61 89	92 -0.4 86	103 27 83	101 15.3 87	121 10.1 85	116 112 85	98 23.2 87	88 32 83	107 54 84	98 -33 82	105 0.6 84	99 12.0 85	103 -10.6 83	96 0.1 82	109 37.3 86	120 13 84	101 14 83	113 2.02 83	85 -2.36 83	102 0.08 83
HAB 200011 90231226	1		THE 150050 HAB 170067		103 65	89 52	106 41	97 65	88 36	84 47	86 54	85 28	81 43	89 20	95 17 63	104 0.51 66	98 -1.4 64	101 24 65	89 9.1 52	106 5.5 41	94 59 53	86 12.1 48	92 50 37	75 -25 36	90 -20 15	112 1.0 45	89 6.5 47	100 -9.0 31	85 2.0 21	100 31.8 55	93 -8 42	90 5 38	93 0.00 20	96 -0.50 21	88 -1.04 20
HAB 200012 90231234	2		THE 150050 HAB 170024		92 52	93 49	101 38	109 36	80 32	79 40	90 46	78 26	76 37	83 16	90 10 40	94 1.65 56	85 0.5 43	90 7 36	93 11.3 49	101 4.0 38	100 73 41	89 15.2 44	88 35 36	85 -1 32	92 -24 14	113 1.0 44	87 5.2 44	96 -6.5 28	81 2.8 20	89 25.3 49	104 0 40	93 7 36	89 -0.46 16	90 -1.60 17	86 -1.22 16
HAB 210066 94662053	1		THE 150050 HAB 140077		99 55	87 52	109 45	124 47	81 35	86 44	93 51	82 27	82 41	86 23	81 -2 44	101 0.87 58	81 0.9 50	80 -7 47	87 7.8 52	109 6.5 45	107 90 48	85 12.1 46	91 47 37	87 5 39	96 -29 14	109 0.8 45	89 6.0 48	91 -3.7 31	79 3.1 22	102 32.9 52	101 -2 41	94 8 38	87 -0.66 22	97 -0.35 24	93 -0.68 22
HAB 210081 6020620370			HAB 180029		102 55	89 34	99 23	104 21	106 20	91 29	84 34			86 19	93 13 21	106 0.38 62	91 -0.3 37	94 14 21	89 9.0 34	99 3.4 23	91 52 26	88 14.1 27	84 20 18	92 17 22	82 -6 9	98 0.2 23	89 6.5 24	114 -17.2 20	117 -3.6 10	73 15.3 29	96 -7 21	89 4 19	91 -0.19 18	87 -1.97 20	104 0.25 18
HMB 210021 92027523	5		HART150170 HMB 180081		100 90	109 90	112 88	104 87	116 86	125 81	118 89	106 86	122 82	102 86	99 23 87	99 1.13 90	100 -1.5 88	94 13 87	109 19.8 90	112 7.3 88	123 128 88	107 31.2 90	106 103 87	113 66 87	99 -35 84	111 0.9 87	69 -5.7 88	118 -19.3 86	115 -3.3 84	97 30.0 88	117 11 87	106 19 87	95 0.21 85	105 0.85 86	105 0.41 85
HMB 210026 92027572	5		HART150170 HMB 180093		99 90	103 89	115 88	103 87	97 86	109 81	111 89	107 86	109 82	106 86	99 22 87	96 1.35 90	102 -1.9 88	94 14 87	103 16.6 89	115 8.2 88	119 120 88	104 28.9 90	106 102 87	107 52 87	99 -35 84	94 0.0 88	68 -6.3 88	100 -9.1 86	101 -0.7 84	93 27.8 88	123 15 87	106 19 87	96 0.30 85	110 1.67 86	114 1.15 85
HMB 210029 92027598	2		HART150170 HMB 180051		89 89	101 89	113 87	104 87	89 86	97 81	104 88	93 85	95 82	108 85	98 21 87	88 2.22 90	91 -0.3 88	93 12 87	101 15.7 89	113 7.8 87	117 114 88	102 26.6 89	95 61 86	95 24 87	83 -9 84	115 1.1 87	83 2.8 87	95 -6.0 86	91 1.0 84	98 30.5 87	90 -11 87	87 2 86	89 -0.42 85	125 3.95 85	122 1.78 85
HMB 210032 92027622	1		HART160266 HMB 130018		104 90	92 89	105 87	100 87	109 86	99 81	91 88	97 86	98 82	99 86	92 13 87	104 0.55 90	101 -1.7 88	98 19 87	92 10.7 89	105 5.1 87	98 68 88	93 18.7 89	91 45 86	101 39 87	89 -18 84	101 0.4 87	87 5.0 87	101 -9.4 86	119 -4.0 84	93 27.5 88	96 -6 87	92 6 86	103 1.03 85	118 2.83 86	98 -0.24 85
HMB 210034 92027648	2		HART160266 HMB 130097		82 90	99 90	108 88	104 87	79 86	83 81	97 89	90 86	82 82	91 86	94 15 87	82 2.88 90	87 0.1 88	93 12 87	99 14.6 90	108 6.3 88	110 99 88	93 19.2 90	94 57 87	91 14 87	108 -49 84	100 0.4 88	105 15.5 88	92 -4.4 86	79 3.1 85	97 30.3 88	95 -7 87	94 8 87	103 1.02 85	95 -0.78 86	102 0.14 85
HMB 210053 91839985	1		HART160266 HMB 100153		95 89	91 89	109 88	122 86	111 85	104 81	96 88	82 84	98 82	80 84	78 -6 87	97 1.25 90	82 0.9 88	81 -5 86	91 9.9 89	109 6.3 88	110 97 88	94 19.6 89	82 11 85	109 56 87	85 -13 83	100 0.3 86	88 5.6 87	112 -15.8 85	111 -2.4 83	105 35.1 86	79 -20 86	76 -7 85	88 -0.57 84	95 -0.69 84	86 -1.20 84
HMB 210054 91839993	2		HART160266 HMB 100057		81 90	103 90	106 89	91 88	102 86	93 82	95 90	103 86	94 83	96 86	105 30 87	82 2.89 91	92 -0.5 89	108 33 88	103 16.5 90	106 5.5 89	103 81 89	105 29.3 90	93 54 87	125 96 88	100 -37 85	90 -0.2 88	99 12.4 88	99 -8.5 86	106 -1.6 85	102 32.9 88	106 2 88	95 9 87	122 2.83 86	80 -3.09 86	110 0.81 86

Breeding Values and Accuracies: Cows & Heifers

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Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass		
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
			Sire ID Dam ID																															
HMB 210072 92092667	3		HART150170 HMB 180121	105 90	93 90	110 89	123 88	63 87	87 82	105 90	77 86	82 83	90 86	83 0 88	100 0.94 91	107 -2.5 89	80 88	93 11.2 90	110 6.7 89	114 108 89	88 13.9 90	86 26 87	89 10 88	85 -12 85	114 1.1 88	93 8.8 88	74 5.5 87	66 5.5 85	97 30.0 88	93 88	89 4 87	79 -1.41 86	116 2.57 86	109 0.71 86
HMB 210099 92907682	1		HMB 170012 HMB 140123	77 89	112 89	94 87	83 86	108 85	94 81	96 88	111 84	97 82	104 84	122 53 85	85 2.50 90	82 0.8 88	120 51 86	112 21.2 89	94 1.8 87	96 63 87	111 34.5 89	107 106 85	122 89 86	116 -63 83	97 0.1 86	104 15.3 87	109 -14.2 85	112 -2.7 83	94 28.4 87	124 16 86	110 23 85	102 0.85 83	88 -1.85 84	117 1.37 83
HMB 210112 92907799	2		HART160081 HMB 150028	92 90	105 90	72 88	93 88	108 87	87 82	85 89	88 86	85 83	85 86	102 26 88	88 2.25 91	107 -2.5 89	108 34 88	105 17.5 90	72 -4.9 88	77 18 89	105 29.6 90	88 34 87	119 83 89	102 -41 85	87 -0.4 88	138 35.7 89	105 -12.0 87	112 -2.7 85	99 31.0 88	72 -25 88	89 4 87	91 -0.24 86	91 -1.36 86	83 -1.46 86
HMB 210116 92917749	1		HART160081 HMB 110153	98 72	104 71	74 58	97 55	108 44	92 57	89 67	86 33	89 52	88 38	99 22 61	99 1.04 75	98 -1.4 63	103 27 55	104 17.3 71	74 -4.4 58	80 25 61	104 28.7 72	85 21 48	122 88 54	91 -22 15	106 0.7 56	90 6.7 57	96 -7.0 50	117 -3.6 25	100 31.9 56	89 -12 53	94 9 49	96 0.31 36	99 -0.13 39	118 1.43 36
HMB 210133 92945724	2		HART160266 HMB 140007	93 90	98 90	108 88	99 88	114 87	104 82	97 89	79 86	98 83	82 86	95 17 87	95 1.45 91	91 -0.3 89	99 20 88	98 14.1 90	108 6.1 88	106 87 89	98 23.4 90	77 -6 87	112 64 87	87 -16 85	112 1.0 88	83 2.9 88	118 -19.6 87	116 -3.3 85	93 27.8 88	86 -14 88	84 -1 87	92 -0.09 86	97 -0.39 86	84 -1.43 86
HMB 210136 92945757	2		HMB 160111 HMB 170093	76 71	111 71	86 62	91 54	96 42	86 57	93 67	101 30	87 52	98 20	109 36 32	81 3.01 74	83 0.7 62	110 36 54	111 20.8 71	86 -0.5 62	94 58 62	108 31.8 72	98 72 45	109 58 57	111 -54 12	99 0.3 51	111 19.2 56	92 -4.6 49	97 0.0 24	110 37.8 53	124 16 50	110 22 46	99 0.58 19	92 -1.18 21	96 -0.36 19
HMB 210137 92945765	5		HMB 160111 HMB 180012	77 88	123 88	97 86	83 85	99 84	104 80	115 87	91 84	101 81	95 83	122 53 84	79 3.19 89	93 -0.7 87	119 50 85	123 27.4 88	97 2.7 86	108 92 86	113 36.2 88	98 73 84	113 67 84	120 -70 82	80 -0.8 85	122 25.9 86	98 -8.0 84	99 -0.5 82	106 35.3 86	134 24 85	116 28 85	100 0.71 83	81 -2.88 83	103 0.22 83
HMB 210144 92945815	2		HMB 140053 HMB 160041	96 70	92 71	107 59	104 57	105 41	96 57	91 67	93 32	94 52	86 24	94 16 31	99 1.04 74	87 0.1 62	93 12 57	92 10.7 71	107 5.9 59	102 79 62	94 19.9 72	92 49 50	98 31 54	92 -24 11	103 0.5 57	112 20.2 57	111 -15.2 43	96 0.2 25	105 34.7 56	100 -3 55	85 1 52	115 2.19 23	98 -0.29 25	106 0.41 24
HMB 210151 92945872	3		HART160266 HMB 140086	97 89	117 90	90 88	83 87	110 86	111 81	110 89	113 86	112 82	103 86	117 47 86	99 1.09 90	103 -2.0 88	120 51 87	117 24.3 90	90 0.6 88	97 67 88	113 36.9 90	106 101 87	118 81 87	117 -65 85	97 0.1 88	126 28.1 88	109 -14.4 86	111 -2.5 85	101 32.6 88	131 22 87	110 22 87	96 0.25 85	103 0.45 86	114 1.12 85
HMB 210157 92945989	1		HMB 140053 HMB 160077	111 88	88 88	107 87	105 86	87 85	90 80	92 88	83 84	86 81	69 84	90 10 85	108 0.11 89	108 -2.6 87	93 12 86	88 8.6 88	107 5.9 87	99 70 87	87 13.2 88	84 20 85	82 -8 86	90 -20 80	90 -0.2 86	92 8.1 86	104 -11.6 85	77 3.6 83	101 32.7 87	92 -9 86	80 -4 86	86 -0.71 83	77 -3.64 84	81 -1.64 83
HMB 210160 92946193	1		HART160081 HMB 140026	91 89	94 89	94 87	97 87	131 85	100 81	84 88	109 84	101 82	89 85	100 23 87	90 2.00 90	96 -1.1 88	101 24 87	94 11.9 89	94 2.0 87	89 48 88	101 26.3 89	100 80 86	132 112 87	110 -54 83	96 0.1 87	104 15.1 87	137 -30.2 85	121 -4.3 84	104 34.3 87	88 -12 86	99 13 86	82 -1.10 85	101 0.26 85	112 0.98 85
HMB 210164 92946011	3		HMB 160111 HMB 170019	98 89	89 89	106 87	111 86	86 85	85 81	89 88	82 85	82 82	79 84	86 5 87	105 0.40 90	74 2.0 88	87 4 86	89 9.1 89	106 5.6 87	102 78 87	91 16.8 88	85 24 86	112 65 86	96 -31 84	87 -0.4 87	106 16.3 87	79 3.0 85	96 0.1 84	104 34.0 87	107 2 86	87 2 86	91 -0.25 84	94 -0.82 84	96 -0.39 84

Breeding Values and Accuracies: Cows & Heifers

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Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass		
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
			Sire ID Dam ID																															
HMB 210167 92946045	1	HART150170 HMB 160127		91 72	105 71	110 59	103 57	96 44	104 57	109 67	103 33	104 52	109 39	97 19	92 1.85	91 -0.4	94 14	105 17.7	110 6.9	117 115	105 29.5	101 85	104 45	95 -28	99 0.2	90 6.7	91 -4.1	98 -0.2	106 35.4	103 -1	99 13	118 2.47	113 2.12	120 1.60
HMB 210175 92946102	1	HMB 160042 HMB 120167		96 89	92 89	74 87	89 86	106 85	73 81	68 88	91 84	74 82	69 84	105 31	95 1.48	106 -2.4	113 41	92 10.4	74 -4.3	66 -10	94 19.6	87 32	111 62	106 -46	101 0.4	69 -5.6	95 -6.3	116 -3.3	98 30.8	106 2	87 2	55 -3.81	90 -1.48	94 -0.53
HMB 210193 92946250	3	HART150170 HMB 180022		98 69	114 70	110 57	93 56	106 40	120 55	120 66	107 32	118 50	114 35	107 33	95 1.51	107 -2.6	105 30	114 22.7	110 6.9	119 119	110 34.1	107 104	110 60	104 -43	99 0.3	86 4.5	101 -9.5	105 -1.5	107 36.3	124 16	113 25	107 1.35	114 2.24	118 1.44
ERH 220135 94472685	1	HART150349 ERH 130138		90 92	114 92	106 91	91 90	97 89	106 84	111 92	102 89	105 85	119 89	106 32	95 1.48	89 -0.1	109 35	114 22.2	106 5.4	112 102	114 37.3	97 69	114 69	95 -29	115 1.2	96 10.7	83 0.9	105 -1.5	103 33.5	116 10	114 26	109 1.58	121 3.41	115 1.24
ERH 220154 94487543	3	HART160248 ERH 170082		83 92	99 91	104 90	109 90	112 89	100 83	95 91	93 88	98 84	103 88	90 10	94 1.62	56 4.4	90 7	99 14.7	104 4.9	109 95	96 21.3	83 14	90 12	84 -11	111 1.0	114 21.3	109 -14.2	113 -2.8	104 34.1	65 -31	77 -7	118 2.50	121 3.36	96 -0.39
ERH 220169 94541026	6	HART160248 ERH 130158		96 92	100 91	98 90	98 90	108 89	99 83	93 91	107 89	100 84	111 89	99 22	101 0.85	88 0.1	101 23	100 14.7	98 3.1	98 68	101 26.0	98 72	94 21	100 -36	103 0.5	113 20.4	98 -7.8	111 -2.6	110 38.1	81 -18	88 3	133 3.95	128 4.50	107 0.51
ERH 220171 94541042	4	HART150349 ERH 170089		75 91	98 90	128 89	93 89	74 88	81 82	97 90	84 88	79 83	94 88	100 24	83 2.77	73 2.0	105 29	98 14.0	128 12.1	119 119	99 24.5	90 40	94 20	90 -21	89 -0.3	84 3.1	76 4.7	81 2.9	95 28.9	107 2	96 10	83 -1.02	88 -1.87	103 0.23
HAB 220003 6020377302		WAGB090089		77 61	107 38	102 38	100 27	113 22	103 35	101 40			78 19	98 21	65 4.58	75 1.7	98 19	107 18.7	102 4.5	110 97	102 26.9	78 -3	103 44		94 0.0	95 9.7	117 -18.6	122 -4.5	80 19.7	94 -8	85 0	83 -1.02	93 -1.11	98 -0.21
HAB 220019 97234546				96 39										99 22	100 0.98													89 25.1						
HAB 220024 97234538				78 83	115 83	84 83	87 82	61 82	69 76	96 83	107 82	73 77	106 82	116 45	83 2.71	84 0.6	115 44	115 22.8	84 -1.1	93 56	111 35.1	114 131	93 19	119 -68	111 0.9	78 -0.2	63 12.2	68 5.1	101 32.6	126 18	117 29	114 2.13	90 -1.46	79 -1.85
HAB 220025 94894052		WAGB120015		96 59	94 38	92 37	102 30	100 27	87 36	85 40			84 25	96 18	97 1.29	94 -0.8	96 17	94 11.8	92 1.2	89 47	91 16.8	84 19	95 23	86 -13	88 -0.3	84 3.0	106 -12.2	114 -3.1	73 15.8	101 -3	88 3	76 -1.71	104 0.70	104 0.28
HAB 220031 97234488				92 30	77 24	115 36								97 1.29			77 2.9	115 8.3										96 29.5						

Breeding Values and Accuracies: Cows & Heifers

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Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass		
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
			Sire ID Dam ID																															
HAB 220041 97234512				90 83	90 83	102 82	120 82	107 82	93 76	89 83	94 82	92 77	86 82	89 9	93 1.67	75 1.7	83 82	90 83	102 82	101 76	93 18.6	95 60	103 42	108 -51	105 0.6	96 10.4	109 -14.3	106 -1.5	96 29.4	110 5	101 15	94 0.08	92 -1.20	87 -1.14
HAB 220047 97234520					93 84	102 83	117 83	87 83	104 82	104 76	102 83	112 82	106 77	117 82	114 42	98 1.14	91 -0.4	112 40	102 16.3	117 8.9	109 96	108 32.2	108 109	131 111	110 -53	132 2.1	123 26.6	91 -4.1	109 -2.1	110 37.7	97 -6	110 23	110 1.67	111 1.79
OBB 220108 93852150		GMS 160300 OBB 200052		87 87	102 88	109 85	98 85	101 83	98 79	99 87	99 82	97 80	89 82	96 18	89 2.14	87 0.2	99 21	102 15.9	109 6.4	110 97	100 24.9	103 89	107 53	127 -81	96 0.1	108 17.3	97 -7.2	93 0.6	119 43.6	133 23	119 30	87 -0.62	93 -1.07	97 -0.32
OBB 220130 94526357			1	WAGB180053 OBB 190082	93 66	109 66	104 47	94 47	93 32	102 50	108 60			103 22	105 31	94 1.58	97 -1.2	105 30	109 20.0	104 5.0	109 96	104 28.8	102 88	104 45	108 -50	98 0.2	91 7.6	92 -4.6	101 -0.7	94 28.2	126 18	115 27	97 0.41	91 -1.37
OBB 220164 94526514		GMS 160300 OBB 110858		121 88	92 87	111 86	104 85	122 83	120 79	101 87	108 82	119 80	103 82	90 10	124 -1.50	104 -2.2	94 13	92 10.6	111 6.9	105 86	103 27.8	107 105	140 132	116 -63	90 -0.3	127 28.9	129 -25.5	103 -1.1	117 41.9	114 8	114 26	88 -0.53	107 1.11	105 0.36
OBB 220170 94526563				OBB 120210	95 56	87 57	119 39	93 34	107 12	93 39	85 51					97 1.26	96 -1.1	105 30	87 7.8	119 9.6	101 76	89 15.5		95 24			91 7.3		80 19.5					
SBB 220150 94115425	1	SBB 170093 GJN 150143		84 70	119 71	86 55	95 54	91 39	97 55	110 66	94 29	96 50	110 36	103 27	81 2.97	99 -1.5	105 29	119 25.1	86 -0.6	103 80	109 32.8	94 55	92 15	93 -24	104 0.5	99 12.3	82 1.0	100 -0.6	100 32.1	95 -7	98 12	109 1.59	122 3.52	125 2.05
SBB 220175 95223087				SBB 170070	96 59	95 60	98 40	109 38	106 27	97 44	93 53			85 20	92 12	96 1.37	93 -0.6	90 7	95 12.4	98 3.0	99 71	92 17.9	79 -2	92 17	78 -1	97 0.2	86 4.5	99 -8.2	117 -3.5	90 25.9	96 -6	85 1	77 -1.58	105 0.78
SBB 220195 94631983	2	SBB 190047 SBB 200057		103 68	100 67	111 48	102 47	80 36	96 51	105 61	99 22	95 45	100 29	98 21	105 0.46	95 -0.9	96 16	100 14.8	111 7.2	112 103	99 24.5	98 72	79 -15	99 -35	99 0.3	83 2.7	84 0.0	78 3.4	107 35.8	112 6	103 16	107 1.34	90 -1.50	97 -0.27
SBB 220209 94632114			1	HART120187 HA 140040	118 73	101 72	115 62	98 59	93 47	113 59	112 69	96 26	110 52	103 40	99 22	120 -1.09	106 -2.4	99 21	101 15.4	115 8.3	114 107	99 24.5	99 74	121 88	110 -54	109 0.8	111 19.1	103 -10.5	91 1.0	95 28.6	117 10	110 23	77 -1.67	125 3.99
SBB 220213 94632155	1	HART120187 TK 140009		98 73	98 73	105 62	107 60	92 48	96 60	98 69	91 33	94 55	105 42	92 12	107 0.26	76 1.7	91 9	98 13.7	105 5.3	107 91	94 19.6	93 51	102 40	99 -35	114 1.1	106 16.3	82 1.1	100 -0.6	104 34.1	97 -5	94 8	83 -1.04	126 4.10	144 3.65
SBB 220215 94632171			1	HART120187 GJN 140097	101 74	100 73	107 62	100 60	90 47	97 60	101 69	90 30	94 54	95 46	101 24	105 0.49	92 -0.5	98 19	100 14.7	107 5.9	107 90	100 24.6	91 43	116 74	99 -35	97 0.2	110 18.5	99 -8.2	86 1.9	101 32.4	89 -12	88 3	71 -2.20	118 2.92

Breeding Values and Accuracies: Cows & Heifers

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Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass			
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
ERH 230004 94593886	2			HART180175 ERH 150151	77 91	113 91	124 90	82 89	91 88	102 83	113 91	120 88	106 84	118 88	124 56 88	82 2.85 92	88 0.0 90	119 50 89	113 21.8 91	124 11.0 90	120 122 90	119 41.7 91	114 131 89	108 54 89	118 -65 87	135 2.3 90	123 26.7 90	86 -0.8 88	97 0.0 87	106 35.3 89	119 12 90	113 25 89	90 -0.34 88	88 -1.85 88	101 0.03 88
ERH 230006 94593902	1			HART160248 ERH 180054	68 92	122 91	98 90	90 90	102 89	102 83	109 91	119 89	105 84	128 89	113 42 89	77 3.41 92	67 2.8 91	111 38 90	122 26.6 91	98 3.0 90	112 102 90	119 42.1 91	107 105 89	102 40 89	110 -53 88	82 -0.7 90	135 33.9 90	88 -2.0 89	105 -1.5 88	112 38.9 90	97 -5 90	107 20 90	115 2.19 89	124 3.79 89	94 -0.57 89
ERH 230018 94716750	1			HART160248 ERH 190062	81 92	122 91	88 90	92 90	103 89	105 83	110 91	133 89	111 84	125 89	112 40 89	87 2.32 92	82 0.8 91	109 35 90	122 26.6 91	88 -0.1 90	105 85 90	123 45.6 91	124 171 89	108 56 89	114 -59 88	103 0.5 90	93 8.5 90	94 -5.7 89	106 -1.6 88	110 37.6 90	109 4 90	113 25 89	141 4.78 89	119 3.01 89	104 0.32 89
ERH 230053 95329868	1			HART160248 ERH 130045	83 72	116 72	90 63	81 60	97 46	94 59	102 69	118 42	98 56	118 48	124 55 41	89 2.14 75	91 -0.3 65	122 55 60	116 23.5 72	90 0.6 63	95 61 65	118 41.0 73	110 119 55	95 24 49	109 -52 26	97 0.2 59	94 9.2 58	94 -5.6 50	102 -0.9 31	101 32.5 57	106 2 58	108 20 55	115 2.20 46	118 2.94 50	99 -0.13 47
ERH 230056 95329892	1			HART160248 ERH 160136	89 71	103 71	98 62	99 61	112 46	101 58	96 68	113 40	103 54	115 48	103 27 43	94 1.62 74	82 0.8 65	99 21 61	103 16.4 71	98 3.1 62	101 76 65	106 30.7 73	107 106 53	88 8 55	103 -42 26	96 0.1 56	90 6.7 57	104 -11.4 51	112 -2.6 31	108 36.4 56	104 0 55	100 14 54	116 2.26 46	129 4.70 49	108 0.62 87
ERH 230078 95366712	3			HART180175 ERH 110010	92 91	92 90	105 89	118 88	108 87	98 82	94 90	81 87	93 83	84 87	84 2 87	92 1.83 91	85 0.4 89	84 -1 88	92 10.6 90	105 5.2 89	106 87 89	94 19.9 90	85 24 88	91 14 88	94 -27 86	106 0.7 89	99 11.9 89	97 -7.4 87	117 -3.5 86	104 34.3 88	78 -21 88	76 -8 88	83 -1.03 87	107 1.10 87	105 0.34 87
ERH 230084 95417978	2			HART150349 ERH 150156	73 71	108 72	111 63	90 61	78 47	83 59	99 69	112 38	87 55	113 50	106 32 43	79 3.12 74	77 1.4 65	110 36 61	108 19.0 72	111 6.9 63	110 98 65	109 32.7 73	109 112 56	108 55 52	109 -52 18	108 0.8 60	98 11.8 59	84 0.0 51	78 3.3 31	100 31.6 58	127 19 58	115 27 56	103 0.95 48	102 0.44 51	115 1.24 48
ERH 230089 95418026	1			HART180175 ERH 180183	96 90	101 90	120 88	94 88	86 87	98 82	105 89	102 87	98 83	102 87	103 27 87	99 1.13 91	95 -0.9 89	104 28 88	101 15.2 90	120 9.8 88	115 109 89	101 26.2 90	103 91 88	95 25 87	104 -43 86	122 1.5 89	94 89 89	90 -3.2 87	94 0.5 86	93 27.6 88	87 -14 88	91 6 88	109 1.62 87	118 2.88 87	100 -0.09 87
ERH 230096 95451837	1			HART160248 ERH 140025	68 92	110 91	111 90	91 90	93 89	91 83	100 91	127 89	98 84	137 89	108 35 89	79 3.20 92	63 3.4 91	107 33 90	110 20.1 91	111 7.2 90	114 107 90	114 37.9 91	113 128 89	98 32 89	106 -46 88	119 1.4 90	117 22.6 90	83 0.7 89	89 1.3 88	122 44.9 90	87 -13 90	104 17 90	143 5.03 89	143 6.91 89	121 1.73 89
ERH 230097 95451845	2			HART150349 ERH 180149	74 71	108 70	112 60	93 60	90 44	92 57	101 67	109 36	94 53	111 46	104 28 40	81 2.99 74	76 1.6 64	106 30 60	108 19.0 70	112 7.2 60	113 106 63	108 31.9 72	101 83 53	98 31 50	91 -21 16	119 1.4 58	85 3.8 57	81 1.7 49	95 0.4 29	106 35.7 55	104 0 57	107 20 54	111 1.78 45	95 -0.77 48	111 0.90 45
ERH 230099 95460937	2			HART180175 ERH 170176	92 70	100 71	127 56	99 52	93 40	105 55	109 66	99 36	103 51	100 44	101 25 39	94 1.57 74	90 -0.2 60	98 18 52	100 15.1 71	127 12.1 56	125 134 60	102 26.7 72	97 66 52	115 71 47	96 -30 16	112 1.0 58	91 57 57	94 -5.8 42	97 0.0 24	99 31.4 53	95 -7 57	92 7 53	89 -0.39 43	104 0.67 46	109 0.67 43
HAB 230002 95570982				HMB 150112	97 59	88 56	86 35	110 36	99 27	79 42	77 50			66 22	89 9 34	99 1.10 65	87 0.1 45	89 6 36	88 8.4 56	86 -0.6 35	81 28 42	87 13.2 36	78 -4 26	99 35 24	80 -4 7	90 -0.2 28	87 5.0 28	107 -13.1 26	111 -2.5 16	75 16.8 38	90 -11 27	77 -7 26	94 0.07 22	89 -1.67 23	103 0.21 22

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Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass		
ID	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
HAB 230003 94894078	1		HART140014 WAGB090089	92 88	97 88	102 86	97 85	109 84	96 80	91 87	105 84	97 81	96 84	101 25	92 1.79	96 -1.0	102 25	97 13.4	102 4.3	98 68	107 31.3	103 89	149 154	112 -56	110 0.9	108 17.6	111 -15.3	104 -1.3	105 34.8	100 -3	96 10	95 0.20	88 -1.81	96 -0.43
HAB 230007 97244461			WAGB120079	84 59	96 35	104 29	98 29	95 28	84 34	87 37	86 20	82 31	86 25	103 28	86 2.43	86 0.3	100 22	96 12.6	104 5.0	99 71	95 20.2	89 36	86 2	87 -15	90 -0.2	98 11.3	95 -6.5	112 -2.7	75 17.0	105 1	96 10	83 -0.98	78 -3.50	102 0.09
HAB 230009 99004541				105 30										106 0.35		29													91 26.7					
HAB 230010 95571733			WAGB120155	80 89	107 87	106 86	81 86	95 86	90 80	99 87	109 86	92 81	106 85	124 55	82 2.89	96 -1.1	122 54	107 18.9	106 5.4	100 74	112 36.0	114 133	114 69	118 -66	105 0.6	104 15.2	94 -5.5	97 -0.1	100 32.0	121 13	120 32	95 0.14	90 -1.47	93 -0.68
HAB 230012 97245047			HART140014 HAB 130094	91 63	100 54	110 42	98 26	85 33	91 43	100 50	100 26	92 40	100 34	103 28	92 1.83	94 -0.8	100 22	100 15.2	110 6.8	109 95	102 26.5	98 72	105 47	101 -39	111 1.0	95 10.0	93 -5.3	86 2.0	98 30.4	114 8	102 15	102 0.89	99 -0.13	109 0.72
HAB 230014 95449534	2		HART140014 HMB 150128	101 86	83 85	95 84	116 83	83 83	75 78	80 85	89 83	74 79	81 83	83 0	101 0.85	92 -0.6	85 0	83 6.0	95 2.1	87 41	90 15.9	91 44	118 78	98 -34	108 0.7	92 8.0	95 -6.1	88 1.6	86 23.6	88 -13	92 6	102 0.88	71 -4.53	100 -0.09
HAB 230020 6020377120			HAB 160040	95 57	88 34	99 29	106 35	108 21	89 32	83 37			83 16	97 20	96 1.36	91 -0.4	92 10	88 8.6	99 3.5	92 55	89 14.8	80 5	91 14	76 3	99 0.3	86 4.3	109 -14.1	121 -4.2	79 19.5	94 -8	87 2	80 -1.30	94 -0.83	102 0.09
HAB 230021 99004558			WAGB200015	91 85	108 84	77 83	94 83	103 82	90 77	92 84	101 82	91 78	106 82	99 23	91 1.92	98 -1.4	107 33	108 19.5	77 -3.4	85 37	109 33.4	96 64	121 86	88 -18	105 0.6	104 15.3	88 -2.5	104 -1.3	118 43.0	103 -1	100 14	101 0.81	110 1.71	111 0.86
HAB 230033 99004582			WAGB200015	128 87	79 85	84 84	132 84	126 83	107 78	84 85	83 83	102 79	87 83	67 -21	126 -1.79	109 -2.8	74 -16	79 3.7	84 -1.3	77 17	79 6.2	78 -5	92 17	78 -1	105 0.6	92 7.8	111 -15.6	125 -5.1	115 41.1	93 -9	75 -8	76 -1.73	126 4.12	100 -0.10
OBG 230010 94954781			OBG 200132	76 61	92 57	108 34	109 35	109 17	90 40	86 51				90 10	81 2.94	68 2.7	89 6	92 10.7	108 6.2	106 87	87 13.4	80 3	86 2		95 0.1	83 2.9	107 -13.2	116 -3.5	88 24.4	101 -3	91 6			
SBB 230018 94714599	3		TOR 150078 SBB 180023	94 70	94 71	98 59	106 57	91 40	85 56	88 67	86 28	82 50	90 39	94 15	96 1.40	89 -0.2	93 11	94 11.5	98 3.1	96 63	101 26.1	80 5	96 25	77 1	98 0.2	66 -7.7	95 -6.0	92 0.8	102 32.8	84 -16	80 -4	91 -0.23	112 1.96	116 1.26
SBB 230020 94714615	2		AG 130399 HA 130203	96 73	97 72	103 61	112 59	93 46	94 59	97 69	87 30	91 53	83 24	84 2	101 0.86	77 1.5	87 3	97 13.3	103 4.5	107 90	92 18.3	89 39	101 38	93 -26	91 -0.1	85 4.1	108 -13.5	89 1.5	97 29.8	93 -9	92 7	90 -0.31	93 -1.08	103 0.17

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Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass		
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
			Sire ID Dam ID																															
SBB 230045 94829694	1	HART120187 TK 140017		116 74	92 72	109 62	117 60	93 46	104 59	102 69	88 32	100 54	95 42	87 6	119 -0.99	94 -0.8	85 -1	92 10.4	109 6.5	109 95	88 14.0	86 26	97 30	92 -24	111 0.9	92 8.2	86 -1.3	98 -0.3	102 32.9	101 -2	90 4	74 -1.87	119 3.02	144 3.65
ERH 240045 97115588	1	HART200134 ERH 210133		91 90	94 90	90 88	105 88	110 87	89 82	85 89	115 87	93 83	100 88	99 22	89 2.17	96 -1.1	94 13	94 11.9	90 0.8	89 47	100 24.8	113 129	101 39	138 -98	84 -0.6	114 20.9	108 -13.6	115 -3.3	93 27.9	103 0	99 13	87 -0.65	123 3.73	103 0.24
ERH 240046 97115596	1	HART200134 ERH 120140		101 90	95 90	93 88	107 88	91 87	88 82	92 89	94 87	87 83	97 86	93 14	100 1.00	100 -1.6	92 10	95 12.3	93 1.6	94 58	92 18.1	96 62	80 -12	111 -54	104 0.5	79 0.4	106 -12.4	89 1.4	92 27.2	115 9	103 16	98 0.51	104 0.69	100 -0.09
ERH 240054 97115653	5	ERH 200138 ERH 210152		85 89	99 90	88 88	104 88	110 87	89 82	86 89	95 87	89 83	103 86	94 16	89 2.12	78 1.3	95 14	99 14.3	88 0.0	91 52	100 25.3	97 69	87 5	89 -19	112 1.0	147 41.0	109 -14.5	105 -1.5	104 34.4	80 -19	87 2	114 2.06	96 -0.61	127 2.21
ERH 240086 97197982	1	HART180175 ERH 150008		86 92	85 91	113 90	106 89	85 88	76 83	82 91	91 88	76 84	79 88	95 16	91 1.93	78 1.4	92 10	85 7.1	113 7.8	102 78	89 15.6	94 55	96 27	99 -34	96 0.1	105 15.7	93 -5.1	100 -0.5	79 19.0	84 -16	77 -7	77 -1.64	90 -1.55	88 -1.10
ERH 240097 97198089	1	HART200094 ERH 130045		91 88	119 88	71 86	78 86	93 84	88 80	102 87	124 84	94 81	123 85	129 63	89 2.17	111 -3.0	128 63	119 24.9	71 -5.1	81 28	126 48.1	121 158	115 71	106 -46	107 0.7	94 9.3	83 0.4	112 -2.7	88 24.6	127 18	124 35	93 0.02	109 1.50	90 -0.87
ERH 240101 97245757	1	HART180175 ERH 180125		97 91	87 91	103 89	124 89	97 88	91 83	90 90	84 88	87 84	74 88	79 -4	98 1.15	83 0.7	80 -7	87 8.0	103 4.7	102 78	82 8.7	83 17	80 -12	83 -9	93 -0.1	68 -6.4	95 -6.5	103 -1.1	97 29.7	93 -8	74 -9	101 0.82	79 -3.27	108 0.63
ERH 240120 97272900	1	HART160248 ERH 150120		93 91	116 91	97 90	89 90	118 89	117 83	111 91	105 88	116 84	115 88	113 41	98 1.18	93 -0.7	112 40	116 23.7	97 2.7	106 87	112 36.0	100 81	111 62	110 -54	99 0.3	114 20.8	114 -16.9	109 -2.1	114 40.3	104 0	106 19	117 2.41	133 5.23	113 1.02
ERH 240126 97326409	1	HART160248 ERH 170176		90 91	98 91	131 89	102 89	88 88	102 83	107 90	84 88	97 84	100 88	105 30	95 1.47	81 0.9	95 14	98 13.8	131 13.2	128 142	97 21.9	89 37	98 30	99 -34	105 0.6	105 15.8	96 -6.8	78 3.4	113 39.5	94 -8	90 5	119 2.57	129 4.63	120 1.63
ERH 240133 97360713	1	HART200134 ERH 210142		97 90	116 90	92 88	90 88	131 87	124 82	111 89	112 87	123 83	116 87	113 40	95 1.52	108 -2.6	111 38	116 23.5	92 1.1	102 78	119 42.3	116 138	93 18	111 -55	117 1.2	102 14.0	123 -22.0	127 -5.3	111 38.4	116 10	117 29	101 0.76	107 1.14	117 1.34
ERH 240140 97402523	3	HART160248 ERH 160168		91 72	106 72	104 62	95 61	106 46	104 59	101 69	107 42	104 56	110 48	107 33	98 1.18	82 0.8	103 27	106 17.9	104 4.8	106 89	108 32.1	103 91	108 55	110 -53	105 0.6	123 26.2	102 -10.4	104 -1.4	111 38.5	98 -5	99 13	124 3.12	125 3.97	106 0.43
ERH 240144 97482897	2	HART200134 ERH 210165		99 67	101 68	88 48	106 49	102 39	96 52	96 62	103 38	96 49	103 42	93 14	94 1.56	106 -2.4	93 11	101 15.3	88 0.0	94 58	103 27.6	99 77	96 25	109 -51	89 -0.3	87 5.0	97 -7.3	104 -1.3	103 33.9	108 3	99 13	92 -0.08	116 2.64	127 2.24

Breeding Values and Accuracies: Cows & Heifers

Value <80 Value >120

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Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass		
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
ERH 240145 97482905	1	HART200134 ERH 220007		84 67	109 69	83 50	94 50	118 39	99 53	94 63	120 40	103 50	113 42	106 32	82 2.87	98 -1.3	106 31	109 19.8	83 -1.4	91 52	110 33.9	114 130	93 20	121 -72	87 -0.4	103 14.8	109 -14.2	119 -3.9	108 36.5	104 0	105 18	109 1.60	121 3.37	121 1.72
ERH 240147 97494413	4	ERH 160021 ERH 200154		91 68	103 59	79 53	103 55	114 40	95 51	89 59	114 36	98 48	117 37	96 19	94 1.63	87 0.1	96 16	103 16.6	79 -2.8	87 41	109 33.2	102 87	95 24	91 -23	112 1.0	102 13.9	97 -7.5	121 -4.2	111 38.7	91 -10	94 8	128 3.50	128 4.53	134 2.85
HAB 240010 6020376890	6	HMB 200015 HMB 210099		79 63	110 58	103 42	88 39	118 32	105 45	100 53	108 26	106 41	107 20	114 42	84 2.70	87 0.2	112 40	110 20.1	103 4.6	104 84	112 36.1	104 96	127 100	106 -46	108 0.7	105 15.7	116 -18.1	122 -4.4	97 29.8	104 0	101 15	97 0.42	102 0.36	123 1.91
HAB 240011 6020376908	2	HMB 200015 HMB 210032		111 67	91 58	106 42	97 39	119 33	107 46	92 54	102 28	106 42	105 26	99 22	112 -0.25	106 -2.4	101 24	91 10.1	106 5.7	96 64	97 22.1	96 66	116 75	92 -24	110 0.9	96 10.6	112 -15.7	125 -5.0	96 29.5	90 -11	92 6	98 0.51	117 2.70	114 1.11
HAB 240013 6020376924	3	HMB 190046 HMB 210026		89 66	106 69	95 44	100 40	98 33	96 50	100 60	92 24	93 45	98 28	101 25	88 2.28	96 -1.1	99 20	106 18.1	95 2.2	102 77	100 25.1	96 63	58 -66	88 -17	89 -0.3	84 3.4	98 -7.8	106 -1.6	91 26.5	104 0	89 4	106 1.24	104 0.65	111 0.90
HAB 240016 6020376940	3	HMB 200015 HMB 210137		86 67	112 58	104 44	88 39	114 31	110 46	107 54	99 26	108 42	102 19	114 42	87 2.35	96 -1.0	112 40	112 21.5	104 4.9	108 92	111 34.8	100 79	122 89	108 -49	99 0.3	114 21.1	110 -15.0	115 -3.3	103 33.4	110 4	104 17	97 0.35	99 -0.16	116 1.34
HAB 240018 6020376973	2	HMB 200015 HMB 210054		91 67	108 69	106 46	91 40	115 33	111 50	106 61	109 28	111 46	104 25	107 33	89 2.15	102 -1.9	108 34	108 19.2	106 5.6	108 93	110 34.4	101 83	152 161	103 -42	105 0.6	106 16.3	110 -14.6	118 -3.8	100 32.0	100 -3	99 12	108 1.49	98 -0.27	120 1.64
HAB 240020 6020376999	2	HMB 190046 HMB 210021		91 67	102 69	97 45	105 40	108 33	100 50	97 61	91 24	97 45	93 28	96 18	91 1.96	92 -0.4	94 13	102 15.7	97 2.7	102 78	98 23.1	94 57	72 -32	89 -18	97 0.2	83 2.9	108 -13.8	113 -2.9	93 27.7	99 -4	85 1	102 0.86	101 0.25	107 0.50
HAB 240024 6020377039	1	HMB 200015 HMB 210116		95 66	104 58	92 43	95 39	118 32	104 46	95 54	96 28	102 42	99 25	102 27	96 1.43	98 -1.3	104 28	104 16.8	92 1.3	95 60	107 31.5	93 54	126 100	93 -26	112 1.0	98 11.5	109 -14.5	124 -4.8	99 31.4	87 -14	93 7	95 0.15	107 1.22	124 1.94
HAB 240031 6020377070	1	HMB 190046 HMB 210175		92 56	94 57	77 42	98 39	103 32	77 44	76 52	86 24	76 40	77 22	97 20	91 1.94	99 -1.5	102 24	94 11.9	77 -3.3	75 12	93 18.8	87 29	98 31	97 -32	93 -0.1	86 4.3	97 -7.3	113 -2.9	93 27.8	96 -6	79 -5	83 -1.03	94 -0.92	101 0.04
HAB 240032 6020377088	4	HMB 200015 HMB 210157		103 56	94 58	109 43	99 40	108 33	103 44	96 53	94 27	100 41	90 20	98 21	102 0.73	103 -2.0	99 20	94 11.9	109 6.4	103 80	98 23.0	93 53	107 52	93 -25	104 0.6	99 12.2	113 -16.8	104 -1.2	100 31.9	89 -12	86 1	90 -0.36	96 -0.54	105 0.41
HAB 240035 6020377096	5	HMB 190046 HMB 210167		84 65	104 57	96 42	106 40	98 33	93 46	98 53	92 24	91 42	97 28	93 14	84 2.68	88 0.1	92 10	104 16.9	96 2.5	104 84	101 25.5	94 55	95 23	91 -23	92 -0.1	96 10.4	95 -6.2	105 -1.4	97 29.9	94 -8	85 0	114 2.12	105 0.89	114 1.11

Breeding Values and Accuracies: Cows & Heifers

Value <80 Value >120

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Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass		
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
			Sire ID Dam ID																															
HAB 240045 6020620677		HAB 200007		112 55	86 33	109 26	101 13	106 17	98 28	88 33			79 17	98 21	116 -0.66	99 -1.4	96 17	86 7.4	109 6.3	96 64	85 11.2	79 -1	99 34	81 -5	98 0.2	91 7.3	108 -13.9	116 -3.5	81 20.5	104 0	90 5	93 -0.02	85 -2.24	101 0.06
HAB 250014 6020628977		HAB 150101		111 57	88 34	99 28	102 32	113 22	98 32	85 36			83 10	98 21	112 -0.28	102 -1.9	96 16	88 8.4	99 3.3	89 47	88 14.5	84 19	99 34	80 -3	97 0.1	92 8.2	115 -17.9	122 -4.4	82 21.1	95 -7	90 5	84 -0.88	96 -0.56	100 -0.03
HAB 250015 6020377112		WAGB200015 HAB 220019		101 59	92 38	96 30	98 28	114 21	96 33	85 39			101 15	96 18	102 0.72	98 -1.3	101 23	92 10.9	96 2.5	89 47	89 15.4	94 56	111 63		101 0.4	97 11.3	112 -15.7	114 -3.0	95 28.9	115 9	105 18	84 -0.95	110 1.64	106 0.44
HAB 250016 99255358		HMB 210164		82 87	112 86	97 85	91 85	129 84	113 79	101 86	107 84	113 80	114 84	113 41	92 1.86	76 1.6	109 35	112 21.5	97 2.8	104 82	113 36.6	107 105	109 57	106 -46	88 -0.3	117 22.6	109 -14.4	131 -6.1	115 40.7	103 -1	106 19	126 3.33	114 2.27	116 1.30
HAB 250023 6020668262	1	WAGB200015 HMB 210054		96 65	104 53	91 44	95 39	113 31	102 44	96 51	102 22	101 40	103 24	99 22	96 1.40	100 -1.5	105 29	104 17.2	91 0.9	94 58	106 30.3	94 58	125 97	98 -33	97 0.1	98 11.7	107 -13.1	117 -3.6	102 32.8	117 10	103 16	98 0.52	103 0.51	111 0.87
HAB 250025 6020670367	1	WAGB200015 HMB 210133		100 65	103 52	92 42	98 39	119 31	107 43	97 51	90 22	103 39	96 25	94 15	101 0.84	98 -1.4	100 23	103 16.4	92 1.2	95 62	103 27.8	87 28	119 81	92 -23	108 0.7	90 7.0	117 -18.7	122 -4.5	97 30.3	107 2	97 11	84 -0.94	111 1.86	98 -0.25
HAB 250033 6020621089	1	WAGB200015 HMB 210112		87 65	112 53	75 44	95 39	116 30	99 44	96 52	95 20	97 39	97 26	98 20	85 2.56	100 -1.6	105 30	112 21.3	75 -3.9	87 43	111 35.0	92 49	123 90	99 -35	95 0.1	118 23.4	110 -14.8	120 -4.2	100 31.9	100 -3	100 13	83 -1.01	108 1.37	98 -0.27
HAB 250042 6020377187	1	WAGB200015 HMB 210137		101 66	108 63	87 44	93 38	113 30	105 47	99 57			99 18	103 28	102 0.80	101 -1.7	107 32	108 19.1	87 -0.2	93 56	105 29.6	95 61	121 87	107 -49	91 -0.2	108 17.7	108 -13.5	114 -3.1	104 34.5	129 20	110 23	85 -0.81	104 0.62	107 0.55
HAB 250045 6020377195		WAGB200015 OBB 220164		120 66	98 63	92 43	100 38	123 26	116 46	98 57			107 15	93 14	121 -1.23	109 -2.8	99 21	98 14.0	92 1.3	92 54	105 29.0	102 86	132 114	106 -47	97 0.1	113 20.3	121 -21.3	116 -3.4	110 38.1	122 14	113 25	82 -1.13	116 2.61	108 0.65
HAB 250047 6020377211	1	WAGB200015 HMB 210029		104 66	101 52	94 43	101 39	108 31	104 44	98 51	97 20	102 39	109 24	96 18	104 0.54	102 -1.9	98 19	101 15.5	94 1.9	97 66	103 27.3	95 62	110 61	90 -20	109 0.8	90 6.9	105 -11.8	110 -2.3	101 32.5	109 4	99 13	82 -1.10	125 4.03	117 1.35
HAB 250048 6020377229	1	WAGB200015 HMB 210021		105 67	107 52	94 44	100 39	121 31	118 44	107 51	104 22	116 40	106 24	96 18	104 0.56	103 -2.0	98 19	107 18.9	94 1.8	103 80	107 31.4	101 83	119 82	97 -32	107 0.7	83 2.7	116 -18.5	122 -4.5	101 32.3	123 15	108 21	85 -0.79	115 2.48	109 0.67
HAB 250059 6020377252	1	WAGB200015 HMB 210072		102 66	107 64	92 45	105 39	94 31	101 48	106 58	91 22	98 43	101 24	91 11	98 1.17	105 -2.3	94 13	107 18.4	92 1.2	102 79	102 27.1	92 51	106 50	92 -23	109 0.8	97 10.8	94 -5.5	97 -0.1	101 32.2	113 7	103 16	78 -1.51	121 3.34	110 0.83

Breeding Values and Accuracies: Cows & Heifers

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Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass			
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thckn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling	
			Sire ID Dam ID																																
HAB 250064 6020377286	1	HART200134 HAB 160047		113 67	90 57	87 45	106 41	112 35	96 47	85 54	104 36	96 45	97 36	95 16	109 0.07	114 -3.4	93 12	90 9.5	87 -0.3	82 30	93 18.7	101 82	108 54	109 -51	90 -0.2	92 8.3	107 -13.3	112 -2.7	105 34.6	104 0	95 9	85 -0.78	120 3.26	123 1.86	
														45 72	53		41 57	45	48		56 44	44	25	50		51 34	22	49		48 45		35	38	35	
HAB 250067 6020377294	1	WAGB200015 HMB 210099		98 67	107 52	84 41	90 39	117 31	102 44	94 51	106 20	103 39	106 19	108 34	102 0.75	96 -1.1	111 38	107 18.4	84 -1.1	88 44	107 31.5	101 84	124 94	106 -47	100 0.3	101 13.2	112 -15.9	120 -4.2	99 31.4	126 17	110 23	88 -0.47	107 1.13	114 1.15	
														38 73	51		39 52	41	44		51 29	29	52	8	35		45 31	17	44		33 30		18	20	18
HAB 260001 6020353352		WAGB200015 HAB 230009		108 59	90 38	95 30	100 28	114 21	97 33	85 39			101 15	94 15	109 0.07	103 -2.0	99 20	90 9.5	95 2.1	87 41	87 13.3	94 56	111 63		101 0.4	97 11.3	112 -15.7	114 -3.0	96 29.7	115 9	105 18	84 -0.95	110 1.64	106 0.44	
														28 66	43		28 38	30	32		36 18	45		23		36 20	10	33		21 19		14	16	14	
HAB 260003 6020621261	1	HART200134 ERH 230018		99 67	107 57	82 45	103 45	112 37	104 48	99 55	124 40	108 46	114 42	98 21	98 1.19	100 -1.6	96 16	107 18.5	82 -1.9	92 55	110 33.6	115 138	101 38	117 -64	95 0.1	92 7.8	102 -10.5	114 -3.1	108 36.7	105 1	101 15	113 1.95	122 3.48	120 1.59	
														35 73	55		45 57	45	49		58 49	43	28	53		53 41	25	46		52 49		40	43	40	
HAB 260007 6020539166	1	HART200134 SBB 220215		104 67	98 58	92 46	108 45	106 37	100 48	96 56	102 36	100 46	98 40	93 13	102 0.80	104 -2.1	91 8	98 13.8	92 1.3	96 63	100 24.7	99 74	105 48	110 -53	92 -0.1	100 12.9	105 -11.7	105 -1.4	104 34.1	95 -7	89 4	78 -1.54	121 3.44	139 3.21	
														37 73	55		45 58	46	50		58 45	46	25	52		53 40	25	47		51 48		39	42	39	
HAB 260010 6020539174	1	WAGB200015 SBB 230020		103 66	101 53	89 43	104 40	109 31	102 44	96 52			96 19	88 8	106 0.36	94 -0.7	95 14	101 15.5	89 0.4	94 60	100 24.7	92 51	113 68	95 -28	97 0.2	91 7.6	111 -15.6	109 -2.1	99 31.3	110 5	101 15	83 -1.05	109 1.51	107 0.55	
														37 72	52		40 53	43	45		49 27	54	9	33		46 30	18	44		32 29		18	20	18	
HAB 260013 6020539182	26	WAGB200015 HAB 230033		118 61	93 43	80 34	112 31	126 23	108 36	89 43			98 17	80 -4	117 -0.75	107 -2.5	88 5	93 11.3	80 -2.4	81 28	94 19.3	87 29	109 57		104 0.5	94 9.4	113 -16.6	127 -5.4	108 36.9	110 5	93 7	76 -1.76	126 4.11	106 0.42	
														31 67	45		31 43	34	36		40 20	20	50		26		40 22	12	36		24 21		16	18	16
HAB 260015 6020539190	1	WAGB200015 SBB 220213		102 66	103 53	91 43	102 41	108 32	103 44	98 52	96 20	101 39	107 26	92 13	106 0.40	91 -0.3	97 17	103 16.5	91 0.9	97 65	102 26.4	94 57	114 69	98 -33	108 0.8	102 13.7	99 -8.3	115 -3.1	103 33.4	112 7	102 16	79 -1.41	126 4.10	132 2.69	
														38 72	52		41 53	43	46		52 28	53	11	36		46 33	18	44		34 31		24	27	25	
HAB 260018 6020539208	1	WAGB200015 ERH 230089		103 66	103 52	98 41	96 38	105 29	104 43	100 50	102 22	103 39	106 26	98 21	104 0.52	101 -1.7	103 27	103 16.6	98 3.1	99 71	104 28.8	99 77	111 61	100 -37	112 1.0	96 10.3	102 -10.5	111 -2.6	97 30.2	107 3	101 14	92 -0.09	122 3.49	106 0.42	
														33 72	50		38 52	41	44		51 32	51	10	37		45 29	16	41		35 32		25	28	25	
HAB 260024 6020539216	1	WAGB200015 HMB 210112		99 66	106 53	74 44	95 39	116 30	99 44	92 52	95 20	97 39	97 26	98 20	97 1.34	106 -2.4	105 30	106 18.3	74 -4.2	81 29	107 31.2	92 49	123 90	99 -35	95 0.1	118 23.4	110 -14.8	120 -4.2	100 31.9	100 -3	100 13	83 -1.01	108 1.37	98 -0.27	
														41 72	52		39 53		45		52 30	30	55	9	36		47 32	16	42		34 31		24	27	24
HAB 260026 6020539224	1	WAGB200015 HMB 210157		107 66	99 52	92 42	101 40	106 31	100 44	95 51	92 20	97 39	89 18	91 12	106 0.40	106 -2.3	98 18	99 14.2	92 1.2	93 56	98 23.4	90 41	104 45	93 -25	97 0.1	95 9.6	110 -14.6	103 -1.0	101 32.7	110 5	95 9	81 -1.25	101 0.24	96 -0.36	
														38 72	51		40 52	42	45		51 31	31	52	7	36		46 32	17	43		34 31		18	19	18
HAB 260041 6020727647	1	WAGB200015 ERH 230078		98 66	100 52	91 42	105 39	116 29	104 43	95 51	91 22	100 39	97 27	89 8	98 1.20	95 -1.0	93 12	100 15.0	91 0.9	96 63	102 26.6	91 43	108 56	95 -28	105 0.6	98 11.5	106 -12.6	123 -4.6	103 33.5	103 -1	93 8	79 -1.41	116 2.60	108 0.64	
														35 72	51		39 52	42	44		51 32	32	52	11	37		46 29	16	42		35 32		26	28	26

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Animal				Selection Values										Birth			Wean				Growth & Adaptability					Fertility				Frame		Carcass		
ID Animal no	% Inbreeding	Genomic Parentage	Index EBV Acc	Calv. Ease V	Calf Growth V	Milk Value	Maint. V	Fertility V	Cow Value	Wean Calf V	Growth Value	Prod. Value	Carcass V	Cow wt -birth	Birth wt	Cow-Calf birth	Cow wt -wean	Wean dir	Wean mat	Cow-Calf wn	Post wn wt	ADG	Veld growth	FCR	Skin Thickn	Scrotum	Heifer Fert	Cow Fert.	Longevity	Height	Length	EMA	Fat	Marbling
HAB 260306		THE 150050		112	89	108	121	81	94	99	84	90	91	83	114	92	83	89	108	107	85	90	85	96	117	92	87	83	97	102	92	81	101	110
6020566979	1	SBB 230045		66	53	44	43	35	45	52	28	42	25	0	-0.47	-0.6	-4	9.1	6.3	91	11.3	41	0	-29	1.2	8.0	-1.8	2.4	30.3	-2	6	-1.19	0.27	0.81
														40	71	53	43	53	44	47	49	38	38	16	47	49	34	23	48	44	41	24	26	24

Selection List on Cow Value

Bulls 2 years and older

ID	Name	Sire ID	Dam ID	Visual Score	% Inbreeding	Horned / Polled	Myostatin	Q204X	n1821	F94L	Genomic test	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Weaner Calf Value	Growth Value	Prod Value	Carcass Value										
Sorted on ID							Italics: DNA Test					Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc										
												★★★★★																			
1	ERH 200171	ERH200171	HART160248	ERH 160042	0.9		0	0	0			84	73	119	72	104	63	84	61	120	48	118	60	113	69	122	48	120	58	129	49
2	HAB 240019	HAB240019	HMB 200015	HMB 210160	4.4							101	67	94	69	102	45	101	40	131	33	110	50	92	61	107	27	110	45	99	26
3	HAB 240022	HAB240022	HMB 200015	HMB 210053	1.5							93	67	102	69	107	47	106	39	120	32	113	50	104	61	93	28	109	46	98	24
4	HAB 240043	HAB240043	WAGB200015	OBB 220164	0.4							111	64	101	51	94	42	101	38	123	26	115	42	100	50					106	15
5	WAGB200015	WAGB200015	WAGB130042	WAGB100014	9	4.2	HH(c)	0	0	0	🇬🇧	106	93	108	90	76	88	98	87	125	86	111	82	98	90	101	86	109	83	109	86
												★★★★☆																			
1	HART200134	HART200134	CEF 130317	HART150073	9	1.2	HH(c)	0	0	0	🇬🇧	105	96	94	96	77	93	121	93	121	93	101	87	88	95	114	94	103	88	102	93
2	OBB 230131	OBB230131	SBS 170120	OBB 200059	7	0.5		0	0	0		105	67	98	68	103	52	93	51	114	29	106	51	95	63					106	5
												★★★★																			
1	HAB 230026	HAB230026		HAB 150101	0.0							115	57	86	34	98	28	102	32	112	21	98	32	84	36					83	10
2	HAB 230027	HAB230027		HMB 150082	0.0							107	58	85	35	96	28	107	36	106	24	90	33	81	37					78	18
3	HAB 230035	HAB230035		HAB 200007	0.0							104	57	90	33	109	26	101	13	106	19	98	29	91	33					79	17
4	HAB 240009	HAB240009	HMB 200015	HMB 210034	1.7							96	63	96	58	109	42	99	39	104	33	99	45	96	53	98	28	98	42	100	26
5	HAB 240012	HAB240012	HMB 190046	HMB 210029	9.8							84	66	100	68	98	44	108	39	95	33	90	49	95	60	88	24	87	44	98	27
6	HAB 240014	HAB240014	HMB 200015	HMB 210112	2.1							93	67	96	69	95	45	99	39	120	32	99	50	88	60	97	27	97	45	93	26
7	HAB 240023	HAB240023	HMB 200015	HMB 210136	2.9							77	66	102	69	103	45	99	39	114	31	98	49	94	60	102	26	98	44	100	20
8	HAB 240027	HAB240027		HAB 130094	0.0							116	58	88	53	100	34	101	16	97	23	93	37	88	46					89	15
9	HART230419	HART230419	HDT 150046	HT 170046	1.2		Pp(c)	0	0	0	🇬🇧	100	91	100	91	82	90	97	89	112	88	94	83	86	91	127	88	101	84	114	89
												★★★★☆																			
1	HAB 230005	HAB 230005	HART140014	HAB 180032	3.2							94	65	90	62	104	40	104	33	97	33	87	46	86	55	94	28	86	42	92	36
2	HAB 230006	HAB 230006	THE 150050	HAB 180052	0.9							91	63	98	57	109	40	107	37	81	32	89	44	99	52	79	25	85	40	88	18
3	HAB 230008	HAB 230008	THE 150050	HAB 140041	7	0.3						90	65	86	62	114	46	113	45	85	33	82	48	87	57	80	26	79	44	86	16
4	HAB 230015	HAB 230015	HART140014	HAB 160047	0.4							101	56	90	54	105	39	99	31	97	31	89	41	86	49	98	26	89	38	96	34
5	HAB 240001	HAB 240001		HAB 200011	0.0							102	55	86	26	102	21	103	32	100	20	86	28	82	30					81	10
6	HAB 240021	HAB240021	HMB 190046	HMB 210072	2.8							88	66	101	69	96	46	101	40	82	33	82	50	94	61	81	24	79	45	91	27

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID			Name	Sire ID	Dam ID	Visual Score % Inbreeding	Horned / Polled	Myostatin Q204X nt821 F94L			Genomic test	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Weaner Calf Value Acc	Growth Value Acc	Prod Value Acc	Carcass Value Acc
						<i>Italics: DNA Test</i>															
												★★★★☆									
7	HAB	240025	HAB240025	WAGB200015	HMB 150128	0.8						10767	9364	7646	10741	10633	8849	8258	9022	8644	8927
8	HAB	240028	HAB240028		HAB 160047	0.0						11257	8253	9831	10223	10820	8937	7846			8414
9	THE	150050	THE150050	THE 100185	THE 080160	6.2						9782	9176	10963	12363	6953	8464	9973	7946	8060	8628
												★★★									
1	HAB	230004	HAB230004	THE 150050	HAB 180020	1.5						10064	8462	10942	10737	6934	7247	8456	8428	7143	8823

Selection List on Cow Value

Cows 2 years and older

ID		Name	Sire ID	Dam ID	Visual Score	% Inbreeding	Horned / Polled	Myostatin			Genomic test	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Weaner Calf Value	Growth Value	Prod Value	Carcass Value										
Sorted on ID								Q204X	nt821	F94L		Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc										
					★★★★★																										
1	ERH 240133	ERH240133	HART200134	ERH 210142	7	1.4	HH(c)	0	0	0		97	90	116	90	92	88	90	88	131	87	124	82	111	89	112	87	123	83	116	87
2	HMB 210021	HMB210021	HART150170	HMB 180081	9	5.3	HH(c)	1	0	0		100	90	109	90	112	88	104	87	116	86	125	81	118	89	106	86	122	82	102	86
3	HMB 210193	HMB210193	HART150170	HMB 180022	8	3.5						98	69	114	70	110	57	93	56	106	40	120	55	120	66	107	32	118	50	114	35
4	OBB 220164	OBB220164	GMS 160300	OBB 110858	8	0.0	HH(c)	0	0	0		121	88	92	87	111	86	104	85	122	83	120	79	101	87	108	82	119	80	103	82
					★★★★★																										
1	ERH 240120	ERH240120	HART160248	ERH 150120	7	0.9	HH(c)	0	0	0		93	91	116	91	97	90	89	90	118	89	117	83	111	91	105	88	116	84	115	88
2	HAB 240016	HAB240016	HMB 200015	HMB 210137		2.7						86	67	112	58	104	44	88	39	114	31	110	46	107	54	99	26	108	42	102	19
3	HAB 240018	HAB240018	HMB 200015	HMB 210054		2.1						91	67	108	69	106	46	91	40	115	33	111	50	106	61	109	28	111	46	104	25
4	HMB 210151	HMB210151	HART160266	HMB 140086	8	2.5	HH(c)	0	0	0		97	89	117	90	90	88	83	87	110	86	111	81	110	89	113	86	112	82	103	86
5	SBB 220209	SBB220209	HART120187	HA 140040	6	0.8						118	73	101	72	115	62	98	59	93	47	113	59	112	69	96	26	110	52	103	40
					★★★★★																										
1	ERH 220135	ERH220135	HART150349	ERH 130138	7	1.1	HH(c)	0	0	0		90	92	114	92	106	91	91	90	97	89	106	84	111	92	102	89	105	85	119	89
2	ERH 220154	ERH220154	HART160248	ERH 170082	7	3.4	HH(c)	0	0	0		83	92	99	91	104	90	109	90	112	89	100	83	95	91	93	88	98	84	103	88
3	ERH 230004	ERH230004	HART180175	ERH 150151	7	1.7	HH(c)	0	0	0		77	91	113	91	124	90	82	89	91	88	102	83	113	91	120	88	106	84	118	88
4	ERH 230006	ERH230006	HART160248	ERH 180054	7	0.9	HH(c)	0	0	0		68	92	122	91	98	90	90	90	102	89	102	83	109	91	119	89	105	84	128	89
5	ERH 230018	ERH230018	HART160248	ERH 190062	6	1.0	HH(c)	0	0	0		81	92	122	91	88	90	92	90	103	89	105	83	110	91	133	89	111	84	125	89
6	ERH 230056	ERH230056	HART160248	ERH 160136	8	1.1						89	71	103	71	98	62	99	61	112	46	101	58	96	68	113	40	103	54	115	48
7	ERH 230099	ERH230099	HART180175	ERH 170176	7	1.5						92	70	100	71	127	56	99	52	93	40	105	55	109	66	99	36	103	51	100	44
8	ERH 240126	ERH240126	HART160248	ERH 170176	7	0.8	HH(c)	0	0	0		90	91	98	91	131	89	102	89	88	88	102	83	107	90	84	88	97	84	100	88
9	ERH 240140	ERH240140	HART160248	ERH 160168	7	3.3						91	72	106	72	104	62	95	61	106	46	104	59	101	69	107	42	104	56	110	48
10	HAB 150101	HAB150101	HMB 100112	HAB 130039		0.3	HH(c)	0	0	0		108	89	99	87	100	85	96	86	113	83	107	79	97	87	97	82	105	80	94	81
11	HAB 160079	HAB160079	HMB 100112	WAGB120007		0.4						103	69	103	70	93	52	98	45	101	39	100	53	99	63	84	26	96	48	89	26
12	HAB 200007	HAB 200007	HART140014	HAB 130094	6	0.5	HH(c)	0	0	0		99	88	101	87	121	85	94	83	101	84	108	79	106	86	88	82	104	80	87	83
13	HAB 220003	HAB220003		WAGB090089		0.0						77	61	107	38	102	38	100	27	113	22	103	35	101	40					78	19
14	HAB 220047	HAB 220047				0.0	HH(c)	0	0	0		93	84	102	83	117	83	87	83	104	82	104	76	102	83	112	82	106	77	117	82
15	HAB 230033	HAB 230033	WAGB200015			0.0	HH(c)	0	0	0		128	87	79	85	84	84	132	84	126	83	107	78	84	85	83	83	102	79	87	83

Selection List on Cow Value

Cows 2 years and older

ID			Name	Sire ID	Dam ID	Visual Score	Myostatin					Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Weaner Calf Value	Growth Value	Prod Value	Carcass Value										
Sorted on ID						% Inbreeding	Horned / Polled	Q204X	nt821	F94L	Genomic test	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc										
						Italics: DNA Test																									
											★★★★☆																				
16	HAB 240010	HAB240010	HMB 200015	HMB 210099	5.7							79	63	110	58	103	42	88	39	118	32	105	45	100	53	108	26	106	41	107	20
17	HAB 240011	HAB240011	HMB 200015	HMB 210032	1.6							111	67	91	58	106	42	97	39	119	33	107	46	92	54	102	28	106	42	105	26
18	HAB 240020	HAB240020	HMB 190046	HMB 210021	2.4							91	67	102	69	97	45	105	40	108	33	100	50	97	61	91	24	97	45	93	28
19	HAB 240024	HAB240024	HMB 200015	HMB 210116	1.4							95	66	104	58	92	43	95	39	118	32	104	46	95	54	96	28	102	42	99	25
20	HAB 240032	HAB240032	HMB 200015	HMB 210157	4.2							103	56	94	58	109	43	99	40	108	33	103	44	96	53	94	27	100	41	90	20
21	HMB 210026	HMB210026	HART150170	HMB 180093	8	5.3	HH(c)	0	0	0		99	90	103	89	115	88	103	87	97	86	109	81	111	89	107	86	109	82	106	86
22	HMB 210053	HMB210053	HART160266	HMB 100153	7	0.6	HH(c)	0	0	0		95	89	91	89	109	88	122	86	111	85	104	81	96	88	82	84	98	82	80	84
23	HMB 210133	HMB210133	HART160266	HMB 140007	8	1.6	HH(c)	0	0	0		93	90	98	90	108	88	99	88	114	87	104	82	97	89	79	86	98	83	82	86
24	HMB 210137	HMB210137	HMB 160111	HMB 180012	7	4.6	HH(c)	0	0	0		77	88	123	88	97	86	83	85	99	84	104	80	115	87	91	84	101	81	95	83
25	HMB 210160	HMB210160	HART160081	HMB 140026	8	0.6	HH(c)	0	0	0		91	89	94	89	94	87	97	87	131	85	100	81	84	88	109	84	101	82	89	85
26	HMB 210167	HMB210167	HART150170	HMB 160127	8	1.5						91	72	105	71	110	59	103	57	96	44	104	57	109	67						
27	OBB 220130	OBB220130	WAGB180053	OBB 190082	7	0.7						93	66	109	66	104	47	94	47	93	32	102	50	108	60					103	22
28	SBB 230045	SBB230045	HART120187	TK 140017	7	0.8						116	74	92	72	109	62	117	60	93	46	104	59	102	69	88	32	100	54	95	42
29	WAGB090089	WAGB090089	WAGB060076	WAGB070049	0.6							88	84	101	76	100	76	93	54	115	45	100	63	93	75	83	26	95	56	84	38
											★★★★																				
1	ERH 220169	ERH220169	HART160248	ERH 130158	6	5.9	HH(c)	0	0	0		96	92	100	91	98	90	98	90	108	89	99	83	93	91	107	89	100	84	111	89
2	ERH 230053	ERH230053	HART160248	ERH 130045	7	1.1						83	72	116	72	90	63	81	60	97	46	94	59	102	69	118	42	98	56	118	48
3	ERH 230078	ERH230078	HART180175	ERH 110010	7	2.6	HH(c)	0	0	0		92	91	92	90	105	89	118	88	108	87	98	82	94	90	81	87	93	83	84	87
4	ERH 230089	ERH230089	HART180175	ERH 180183	7	1.4	HH(c)	0	0	0		96	90	101	90	120	88	94	88	86	87	98	82	105	89	102	87	98	83	102	87
5	ERH 230096	ERH230096	HART160248	ERH 140025	7	1.4	HH(c)	0	0	0		68	92	110	91	111	90	91	90	93	89	91	83	100	91	127	89	98	84	137	89
6	ERH 230097	ERH230097	HART150349	ERH 180149	7	2.1						74	71	108	70	112	60	93	60	90	44	92	57	101	67	109	36	94	53	111	46
7	ERH 240101	ERH240101	HART180175	ERH 180125	7	1.4	HH(c)	1	0	0		97	91	87	91	103	89	124	89	97	88	91	83	90	90	84	88	87	84	74	88
8	ERH 240144	ERH240144	HART200134	ERH 210165	7	1.7						99	67	101	68	88	48	106	49	102	39	96	52	96	62	103	38	96	49	103	42
9	ERH 240145	ERH240145	HART200134	ERH 220007	6	1.3						84	67	109	69	83	50	94	50	118	39	99	53	94	63	120	40	103	50	113	42
10	ERH 240147	ERH240147	ERH 160021	ERH 200154	7	3.6						91	68	103	59	79	53	103	55	114	40	95	51	89	59	114	36	98	48	117	37
11	HAB 160067	HAB160067	HMB 100112	WAGB100046	0.4							94	71	92	70	114	53	98	50	105	39	97	54	93	65	89	27	94	49	88	24
12	HAB 180029	HAB 180029	HART140014	WAGB100144	0.7							102	70	95	69	99	47	99	42	101	40	94	52	90	62	100	29	94	47	100	38
13	HAB 210081	HAB210081		HAB 180029	0.0							102	55	89	34	99	23	104	21	106	20	91	29	84	34					86	19

Selection List on Cow Value

Cows 2 years and older

ID			Name	Sire ID	Dam ID	Visual Score	% Inbreeding	Horned / Polled	Myostatin			Genomic test	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Weaner Calf Value	Growth Value	Prod Value	Carcass Value
Sorted on ID									Q204X	nt821	F94L		Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc
									Italics: DNA Test													
													★★★★									
14	HAB 220041	HAB 220041				0.0		HH(c)	0	0	0		9083	9083	10282	12082	10782	9376	8983	9482	9277	8682
15	HAB 230003	HAB230003	HART140014	WAGB090089		0.8		HH(c)	0	0	0		9288	9788	10286	9785	10984	9680	9187	10584	9781	9684
16	HAB 230010	HAB 230010		WAGB120155		0.0		HH(c)	0	0	0		8089	10787	10686	8186	9586	9080	9987	10986	9281	10685
17	HAB 230012	HAB 230012	HART140014	HAB 130094		0.5							9163	10054	11042	9826	8533	9143	10050	10026	9240	10034
18	HAB 230021	HAB 230021	WAGB200015			0.0		HH(c)	0	0	0		9185	10884	7783	9483	10382	9077	9284	10182	9178	10682
19	HAB 240013	HAB240013	HMB 190046	HMB 210026		2.8							8966	10669	9544	10040	9833	9650	10060	9224	9345	9828
20	HAB 240035	HAB240035	HMB 190046	HMB 210167		5.1							8465	10457	9642	10640	9833	9346	9853	9224	9142	9728
21	HAB 240045	HAB240045		HAB 200007		0.0							11255	8633	10926	10113	10617	9828	8833			7917
22	HMB 150108	HMB150108	HART060099	HMB 110046		6	1.0						9572	9470	9360	11260	10151	9159	9067	9936	9154	8931
23	HMB 210029	HMB210029	HART150170	HMB 180051		8	2.0	HH(c)	0	0	0		8989	10189	11387	10487	8986	9781	10488	9385	9582	10885
24	HMB 210032	HMB210032	HART160266	HMB 130018		7	1.2	HH(c)	0	0	0		10490	9289	10587	10087	10986	9981	9188	9786	9882	9986
25	HMB 210054	HMB210054	HART160266	HMB 100057		7	2.3	HH(c)	1	0	0		8190	10390	10689	9188	10286	9382	9590	10386	9483	9686
26	HMB 210099	HMB210099	HMB 170012	HMB 140123		7	0.9	HH(c)	0	0	0		7789	11289	9487	8386	10885	9481	9688	11184	9782	10484
27	HMB 210116	HMB210116	HART160081	HMB 110153		8	0.9						9872	10471	7458	9755	10844	9257	8967	8633	8952	8838
28	HMB 210144	HMB210144	HMB 140053	HMB 160041		7	1.6						9670	9271	10759	10457	10541	9657	9167	9332	9452	8624
29	HMB 210157	HMB210157	HMB 140053	HMB 160077		8	1.1	HH(c)	0	0	0		11188	8888	10787	10586	8785	9080	9288	8384	8681	6984
30	OBB 220108	OBB220108	GMS 160300	OBB 200052		7	0.2	HH(c)	0	0	0		8787	10288	10985	9885	10183	9879	9987	9982	9780	8982
31	OBB 220170	OBB220170		OBB 120210		0.0							9556	8757	11939	9334	10712	9339	8551			
32	OBB 230010	OBB230010		OBB 200132		7	0.0						7661	9257	10834	10935	10917	9040	8651			
33	SBB 220150	SBB220150	SBB 170093	GJN 150143		7	1.3						8470	11971	8655	9554	9139	9755	11066	9429	9650	11036
34	SBB 220175	SBB220175		SBB 170070		8	0.0						9659	9560	9840	10938	10627	9744	9353			8520
35	SBB 220195	SBB220195	SBB 190047	SBB 200057		7	1.7						10368	10067	11148	10247	8036	9651	10561	9922	9545	10029
36	SBB 220213	SBB220213	HART120187	TK 140009		7	0.9						9873	9873	10562	10760	9248	9660	9869	9133	9455	10542
37	SBB 220215	SBB220215	HART120187	GJN 140097		7	1.2						10174	10073	10762	10060	9047	9760	10169	9030	9454	9546
38	SBB 230020	SBB230020	AG 130399	HA 130203		7	2.1						9673	9772	10361	11259	9346	9459	9769	8730	9153	8324
													★★★★☆									
1	ERH 220171	ERH220171	HART150349	ERH 170089		7	3.6	HH(c)	1	0	0		7591	9890	12889	9389	7488	8182	9790	8488	7983	9488
2	ERH 230084	ERH230084	HART150349	ERH 150156		7	2.3						7371	10872	11163	9061	7847	8359	9969	11238	8755	11350

Selection List on Cow Value

Cows 2 years and older

ID		Name	Sire ID	Dam ID	Visual Score	% Inbreeding	Horned / Polled	Myostatin			Genomic test	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Weaner Calf Value	Growth Value	Prod Value	Carcass Value										
Sorted on ID								Q204X	nt821	F94L		Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc										
												★★★★																			
3	ERH 240045	ERH240045	HART200134	ERH 210133	7	1.1	HH(c)	0	0	0		91	90	94	90	90	88	105	88	110	87	89	82	85	89	115	87	93	83	100	88
4	ERH 240046	ERH240046	HART200134	ERH 120140	6	1.3	HH(c)	1	0	0		101	90	95	90	93	88	107	88	91	87	88	82	92	89	94	87	87	83	97	86
5	ERH 240054	ERH240054	ERH 200138	ERH 210152	7	4.6	HH(c)	0	0	0		85	89	99	90	88	88	104	88	110	87	89	82	86	89	95	87	89	83	103	86
6	ERH 240097	ERH240097	HART200094	ERH 130045	7	1.3	HH(c)	0	0	0		91	88	119	88	71	86	78	86	93	84	88	80	102	87	124	84	94	81	123	85
7	HAB 140041	HAB140041	HMB 100112	FLH 040016		0.0						90	73	80	67	116	65	102	64	102	35	82	56	76	67	80	22	78	49	81	18
8	HAB 140046	HAB140046	IH 090049	FLH 120032		1.0						87	72	100	68	97	61	99	32	89	40	84	53	92	63	91	29	83	48	83	34
9	HAB 140056	HAB140056	IH 090049	WAGB090089		0.6						101	76	94	60	95	59	100	40	93	39	86	52	89	60	84	30	83	48	85	36
10	HAB 150073	HAB150073	HMB 100112	WAGB090029		0.3						107	70	81	70	100	53	114	46	98	42	86	54	80	64	80	26	82	48	79	28
11	HAB 160040	HAB160040	HMB 100112	WAGB120059		0.4						102	76	87	69	99	58	104	70	105	42	89	58	82	68	94	30	88	52	94	30
12	HAB 160044	HAB160044	HMB 100112	WAGB100106		0.4						103	69	81	67	101	50	99	50	100	38	80	53	74	62	85	26	78	48	80	22
13	HAB 200011	HAB 200011	THE 150050	HAB 170067	7	0.9						103	65	89	52	106	41	97	65	88	36	84	47	86	54	85	28	81	43	89	20
14	HAB 210066	HAB 210066	THE 150050	HAB 140077	6	0.6						99	55	87	52	109	45	124	47	81	35	86	44	93	51	82	27	82	41	86	23
15	HAB 220025	HAB220025		WAGB120015	7	0.0						96	59	94	38	92	37	102	30	100	27	87	36	85	40					84	25
16	HAB 230007	HAB 230007		WAGB120079		0.0						84	59	96	35	104	29	98	29	95	28	84	34	87	37	86	20	82	31	86	25
17	HAB 230020	HAB230020		HAB 160040		0.0						95	57	88	34	99	29	106	35	108	21	89	32	83	37					83	16
18	HMB 150155	HMB150155	HART060099	HMB 100132	6	1.7						95	78	94	72	102	64	90	60	99	52	87	61	84	70	98	36	87	56	86	33
19	HMB 210034	HMB210034	HART160266	HMB 130097	7	1.6	HH(c)	0	0	0		82	90	99	90	108	88	104	87	79	86	83	81	97	89	90	86	82	82	91	86
20	HMB 210072	HMB210072	HART150170	HMB 180121	9	3.2	HH(c)	0	0	0		105	90	93	90	110	89	123	88	63	87	87	82	105	90	77	86	82	83	90	86
21	HMB 210112	HMB210112	HART160081	HMB 150028	8	1.8	HH(c)	0	0	0		92	90	105	90	72	88	93	88	108	87	87	82	85	89	88	86	85	83	85	86
22	HMB 210136	HMB210136	HMB 160111	HMB 170093	7	1.6						76	71	111	71	86	62	91	54	96	42	86	57	93	67	101	30	87	52	98	20
23	HMB 210164	HMB210164	HMB 160111	HMB 170019	7	2.8	HH(c)	0	0	0		98	89	89	89	106	87	111	86	86	85	85	81	89	88	82	85	82	82	79	84
24	SBB 230018	SBB230018	TOR 150078	SBB 180023	7	3.1						94	70	94	71	98	59	106	57	91	40	85	56	88	67	86	28	82	50	90	39
25	WAGB090080	09-0080WAGB	WAGB060066	WAGB040068		6.8						92	78	90	75	103	75	112	53	101	48	89	62	88	73	102	26	90	55	90	42
26	WAGB120015	WAGB120015	WAGB040107	WAGB050088		0.4						106	80	98	76	83	74	96	60	89	52	84	64	88	74	94	37	84	59	97	50
27	WAGB120079	WAGB120079	JL 070074	WAGB080058		0.9						75	78	106	71	109	59	88	57	78	52	81	60	97	68	108	40	84	56	100	51
												★★★																			
1	ERH 240086	ERH240086	HART180175	ERH 150008	6	1.2	HH(c)	0	0	0		86	92	85	91	113	90	106	89	85	88	76	83	82	91	91	88	76	84	79	88
2	FLH 120083	FLH120083	ERH 070029	WAGB080090		0.3						85	72	101	68	99	53	97	44	69	42	73	54	91	63	87	28	73	49	87	40

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID			Name	Sire ID	Dam ID	Visual Score	% Inbreeding	Horned / Polled	Myostatin	Q204X	ni821	F94L	Genomic test	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Weaner Calf Value	Growth Value	Prod Value	Carcass Value										
<i>Italics: DNA Test</i>														Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc									
												★★																					
3	HAB 150106	HAB150106	HMB 110085	WAGB100125	1.2									101	69	91	56	97	48	102	42	77	38	77	48	86	55	78	29	74	44	75	28
4	HAB 200012	HAB 200012	THE 150050	HAB 170024	6	2.0								92	52	93	49	101	38	109	36	80	32	79	40	90	46	78	26	76	37	83	16
5	HAB 230002	HAB 230002		HMB 150112	7	0.0								97	59	88	56	86	35	110	36	99	27	79	42	77	50					66	22
6	HAB 230014	HAB 230014	HART140014	HMB 150128	1.9	HH(c)	0	0	1					101	86	83	85	95	84	116	83	83	83	75	78	80	85	89	83	74	79	81	83
7	HAB 240031	HAB240031	HMB 190046	HMB 210175	1.4									92	56	94	57	77	42	98	39	103	32	77	44	76	52	86	24	76	40	77	22
8	HMB 150124	HMB150124	HART080141	HMB 070032	6	0.8								91	75	90	73	118	66	105	60	71	51	79	61	92	70	87	36	78	56	83	36
9	HMB 150151	HMB150151	HART100347	HMB 120020	6	1.7								98	70	93	68	111	53	104	54	62	42	77	55	95	64	100	35	79	51	87	40
10	HMB 210175	HMB210175	HMB 160042	HMB 120167	7	1.2	HH(c)	0	0	0				96	89	92	89	74	87	89	86	106	85	73	81	68	88	91	84	74	82	69	84
11	WAGB120092	WAGB120092	JL 070074	WAGB070071	0.5									78	79	103	73	116	66	92	58	58	51	74	62	100	71	115	39	80	57	110	42
												★★☆																					
1	HAB 140005	HAB140005	IH 090049	FLH 110002	0.1									97	69	89	62	90	44	109	33	75	39	69	48	81	56	78	27	67	44	81	31
2	HAB 220024	HAB 220024			0.0	HH(c)	1	0	0					78	83	115	83	84	83	87	82	61	82	69	76	96	83	107	82	73	77	106	82
3	HMB 150112	HMB150112	AG 060350	HMB 100058	6	2.4								94	76	92	72	73	68	110	72	82	50	67	62	75	72	94	34	68	56	77	44
4	HMB 150128	HMB150128	AG 060350	HMB 100019	7	1.1								103	77	84	72	75	66	116	60	87	51	68	61	72	70	82	35	67	56	75	46

Selection List on Cow Value

Bull calves younger than 2 years

ID	Name	Sire ID	Dam ID	Visual Score	% Inbreeding	Horned / Polled	Myostatin	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Weaner Calf Value	Growth Value	Prod Value	Carcass Value										
Sorted on ID							Q204X n1821 F94L	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc										
				Italics: DNA Test																							
								★★★★★																			
1	HAB 250066	HAB250066	WAGB200015	HMB 210026	0.7			97	66	108	52	96	43	100	39	111	31	110	44	106	51	104	21	109	39	108	24
								★★★★★☆☆																			
1	HAB 250003	HAB250003	ERH 200171	WAGB090089	0.8			87	65	110	52	102	50	88	41	117	33	109	45	102	52	103	28	107	42	106	31
2	HAB 250018	HAB 250018		HAB 230003	0.0	HH(c)	0	0	0	5																	
3	HAB 250029	HAB 250029	WAGB200015	HMB 210032	0.7			109	65	98	52	90	42	99	39	117	31	105	43	93	51	99	22	103	39	104	24
4	HAB 250046	HAB250046	WAGB200015	HMB 210053	0.7			99	67	102	64	92	46	104	39	117	30	107	48	97	58	92	22	103	43	97	23
5	HAB 250051	HAB250051	WAGB200015	OBB 230010	0.1			87	64	102	48	93	35	103	33	117	23	100	39	93	46					94	15
6	HAB 250061	HAB250061	ERH 210070	ERH 220135	1.2			86	66	107	65	114	47	96	43	105	35	107	50	107	59	106	30	107	46	116	36
7	HAB 260004	HAB260004	HART200134	HAB 200007	0.9			101	67	100	56	99	43	105	36	111	33	106	45	100	53	101	36	104	43	94	38
8	HAB 260014	HAB260014	WAGB200015	SBB 220195	0.6			98	64	107	51	95	39	100	36	102	28	104	42	104	49					104	21
9	HAB 260025	HAB260025	WAGB200015	HAB 230010	0.4			92	62	108	42	91	35	89	31	110	25	100	37	97	42					107	19
10	HAB 260029	HAB260029	WAGB200015	HMB 210133	0.6			97	66	104	52	92	42	98	39	119	31	108	44	98	51	90	22	104	40	96	25
11	HAB 260038	HAB260038	HART200134	HAB 150101	1.0			107	67	98	57	88	44	106	47	117	36	105	47	95	55	106	36	105	45	98	36
								★★★★																			
1	HAB 250024	HAB250024		HMB 210160	0.0			103	56	85	36	96	32	103	28	121	22	94	33	78	37					81	19
2	HAB 250036	HAB250036	WAGB200015	HAB 230014	0.7			103	50	96	47	86	37	105	33	104	27	92	37	88	44					95	24
3	HAB 250052	HAB250052	WAGB200015	HMB 210034	0.8			90	67	105	52	93	42	101	39	102	31	97	44	99	51	96	22	96	40	100	24
4	HAB 250057	HAB250057	WAGB200015	HMB 210175	0.7			91	66	104	52	76	42	93	39	115	30	92	43	86	51	96	20	91	38	89	18
5	HAB 250063	HAB250063	HART200134	HAB 130094	0.4			119	68	93	56	90	47	105	38	100	36	98	47	93	54	105	36	98	45	102	38
6	HAB 260005	HAB260005	ERH 210070	ERH 220171	1.6			76	66	103	55	124	44	95	43	93	34	97	46	104	53	99	30	96	43	104	35
7	HAB 260006	HAB260006	HART220089	ERH 220154	1.8			86	67	101	56	103	44	100	42	108	32	98	46	94	54	105	30	99	43	109	40
8	HAB 260022	HAB260022	WAGB200015	HMB 210164	1.0			99	66	100	51	92	41	104	39	105	30	98	43	94	50					94	19
9	HAB 260033	HAB260033	WAGB200015	HAB 200011	1.1			115	64	93	46	90	37	97	43	106	27	97	40	88	47					99	18
								★★★★☆																			
1	HAB 250019	HAB 250019		HAB 200011	0.0			103	54	85	26	102	21	103	32	100	18	86	27	82	30					81	10
2	HAB 250035	HAB250035	WAGB200015	HMB 150128	0.8			104	57	96	53	76	45	106	41	105	33	89	43	84	51	91	22	87	39	92	27

Selection List on Cow Value

Heifers younger than 2 years

ID	Name	Sire ID	Dam ID	Visual Score	Horned / Polled	Myostatin	Genomic test	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Weaner Calf Value	Growth Value	Prod Value	Carcass Value											
Sorted on ID				% Inbreeding		Q204X nt821 F94L		Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc											
Italics: DNA Test																												
								★★★★★																				
1	HAB 250016	HAB 250016	HMB 210164	0.0	HH(c)	0	0	0	82	87	112	86	97	85	91	85	129	84	113	79	101	86	107	84	113	80	114	84
2	HAB 250045	HAB250045	WAGB200015	OBB 220164	0.4				120	66	98	63	92	43	100	38	123	26	116	46	98	57					107	15
3	HAB 250048	HAB250048	WAGB200015	HMB 210021	0.7				105	67	107	52	94	44	100	39	121	31	118	44	107	51	104	22	116	40	106	24
								★★★★★																				
1	HAB 250023	HAB250023	WAGB200015	HMB 210054	1.0				96	65	104	53	91	44	95	39	113	31	102	44	96	51	102	22	101	40	103	24
2	HAB 250025	HAB250025	WAGB200015	HMB 210133	0.6				100	65	103	52	92	42	98	39	119	31	107	43	97	51	90	22	103	39	96	25
3	HAB 250042	HAB250042	WAGB200015	HMB 210137	0.9				101	66	108	63	87	44	93	38	113	30	105	47	99	57					99	18
4	HAB 250047	HAB250047	WAGB200015	HMB 210029	0.7				104	66	101	52	94	43	101	39	108	31	104	44	98	51	97	20	102	39	109	24
5	HAB 250059	HAB250059	WAGB200015	HMB 210072	0.9				102	66	107	64	92	45	105	39	94	31	101	48	106	58	91	22	98	43	101	24
6	HAB 250067	HAB250067	WAGB200015	HMB 210099	0.6				98	67	107	52	84	41	90	39	117	31	102	44	94	51	106	20	103	39	106	19
7	HAB 260003	HAB260003	HART200134	ERH 230018	1.4				99	67	107	57	82	45	103	45	112	37	104	48	99	55	124	40	108	46	114	42
8	HAB 260007	HAB260007	HART200134	SBB 220215	1.4				104	67	98	58	92	46	108	45	106	37	100	48	96	56	102	36	100	46	98	40
9	HAB 260010	HAB260010	WAGB200015	SBB 230020	1.0				103	66	101	53	89	43	104	40	109	31	102	44	96	52					96	19
10	HAB 260013	HAB260013	WAGB200015	HAB 230033	26.0				118	61	93	43	80	34	112	31	126	23	108	36	89	43					98	17
11	HAB 260015	HAB260015	WAGB200015	SBB 220213	0.5				102	66	103	53	91	43	102	41	108	32	103	44	98	52	96	20	101	39	107	26
12	HAB 260018	HAB260018	WAGB200015	ERH 230089	0.7				103	66	103	52	98	41	96	38	105	29	104	43	100	50	102	22	103	39	106	26
13	HAB 260026	HAB260026	WAGB200015	HMB 210157	0.7				107	66	99	52	92	42	101	40	106	31	100	44	95	51	92	20	97	39	89	18
14	HAB 260041	HAB260041	WAGB200015	ERH 230078	0.7				98	66	100	52	91	42	105	39	116	29	104	43	95	51	91	22	100	39	97	27
								★★★★★																				
1	HAB 250014	HAB250014	HAB 150101	0.0					111	57	88	34	99	28	102	32	113	22	98	32	85	36					83	10
2	HAB 250015	HAB250015	WAGB200015	HAB 220019	0.0				101	59	92	38	96	30	98	28	114	21	96	33	85	39					101	15
3	HAB 250033	HAB250033	WAGB200015	HMB 210112	0.8				87	65	112	53	75	44	95	39	116	30	99	44	96	52	95	20	97	39	97	26
4	HAB 250064	HAB250064	HART200134	HAB 160047	0.5				113	67	90	57	87	45	106	41	112	35	96	47	85	54	104	36	96	45	97	36
5	HAB 260001	HAB260001	WAGB200015	HAB 230009	0.0				108	59	90	38	95	30	100	28	114	21	97	33	85	39					101	15
6	HAB 260024	HAB260024	WAGB200015	HMB 210112	0.8				99	66	106	53	74	44	95	39	116	30	99	44	92	52	95	20	97	39	97	26
7	HAB 260306	HAB260306	THE 150050	SBB 230045	1.5				112	66	89	53	108	44	121	43	81	35	94	45	99	52	84	28	90	42	91	25

