

SANTA GERTRUDIS

GENOMIC BREEDING VALUE REPORT

September 2026



EDE FARMING

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EBVs, EBVi's and GEBVs

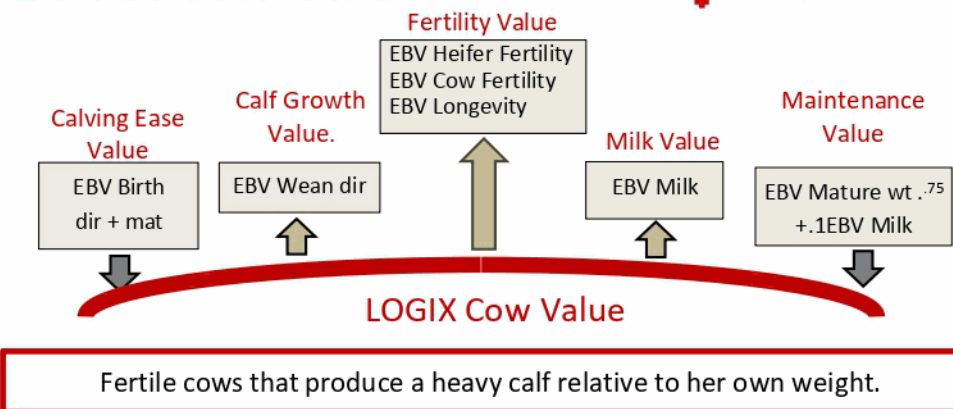
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

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.

LOGIX Cow Value



Selection Values

LOGIX Cow Value



Selecting for:

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

LOGIX Growth Value



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

LOGIX Carcass Value



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

LOGIX Production Value



80% LOGIX Cow Value +
20% LOGIX Growth Value

How to use the Cow Value

Selection values should be compatible with your selection goal.

AVERAGE ANIMALS

(NO GROWTH EXTREMES)

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

GROWERS

(GOOD ENVIRONMENT)

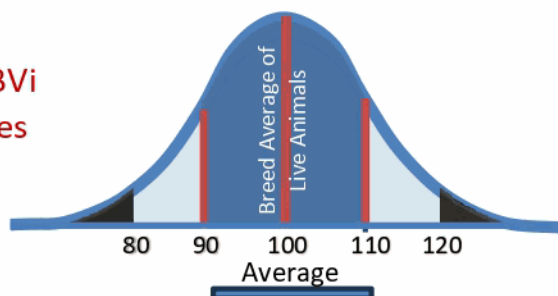
- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

LOW- MAINTENANCE ANIMALS

(HARSH ENVIRONMENT)

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

Interpretation of EBVi and Selection Values



Examples

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

Contemporary Groups

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

1. Animals at the same time, place and treatment

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

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

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

3. Larger groups stabilise Breeding Values

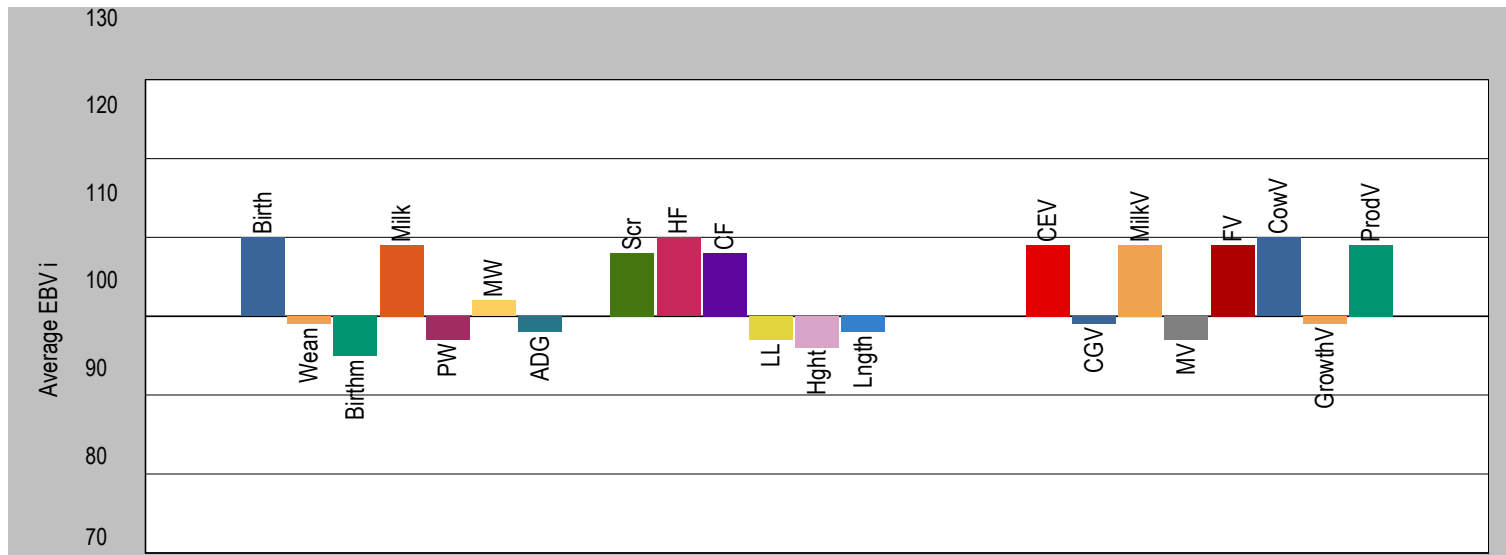
Larger groups result in more accurate and stable breeding values, as the mean and distribution of the group can be more accurately determined and are thus more representative. Groups should preferably have more than 5 animals. Weigh all the animals in the same group on the same day, as corrections for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

4. Measure all animals in the contemporary group

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



Herd and Breed Averages



Breeding Values:

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

Selection Values:

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

	Trait	EBV Herd	EBV Index	EBV Breed
Prewrite Growth	Birth Weight	0.28	110	1.11
	Wean Weight	14.0	99	14.7
	Birth Mat.	0.13	95	-0.07
	Milk (Wn.Mat.)	3.4	109	0.7
Postwean Growth	Postwean Wt	21.0	97	23.1
	Mature Weight	21	102	19
	ADG	86	98	95
	FCR			
Fertility	Scrotal Circumf.	14.9	108	10.4
	Heifer Fertility	-12.1	110	-3.8
	Cow Fertility	-7.4	108	-5.8
	Longevity	31.0	97	33.0
Frame	Height	10	96	12
	Length	23	98	24
Carcass	Dressing%			
	RedMeatYield			
	Marbling			

Selection Value	Ave. Herd
Calving Ease	109
Calf Growth	99
Milk	109
Maintenance	97
Fertility	109
Cow Value	110
Growth Value	99
Production Value	109

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

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

Calving ease: Smaller calf at birth - easier calving

Calf growth: Heavier calves at wean due to growth potential of the calf

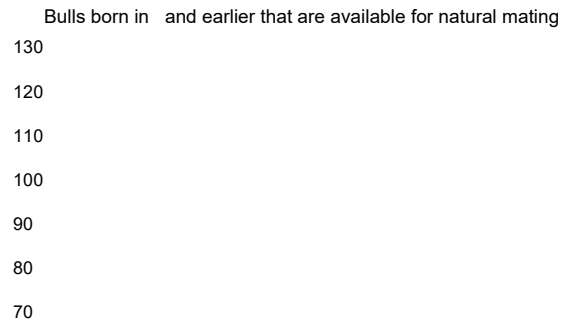
Milk: Cows with more milk and better mothering ability

Maintenance: Animals with low maintenance requirements (lower mature weight).

Fertility: Cows/daughters that calve

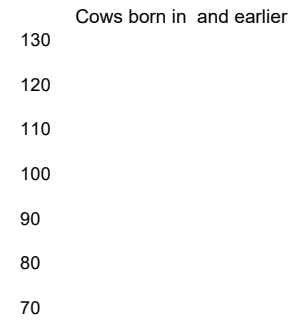
Genetic Windows

Bulls on the farm



Animals available for breeding

Total:

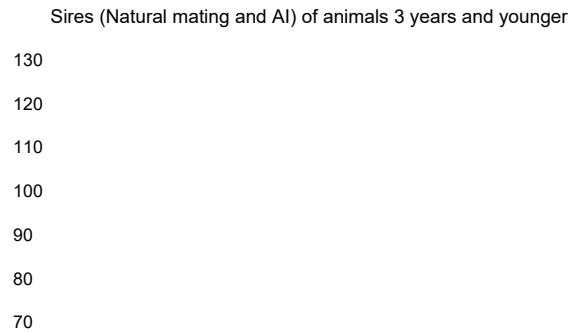


Cow Herd

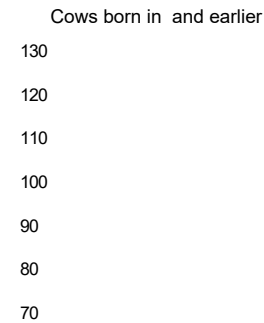
Total:

Results of previous selection decisions

Sires of young animals



Total:

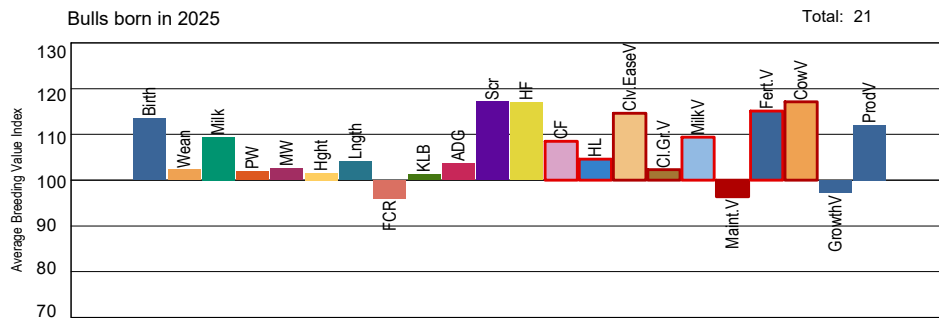


Total:

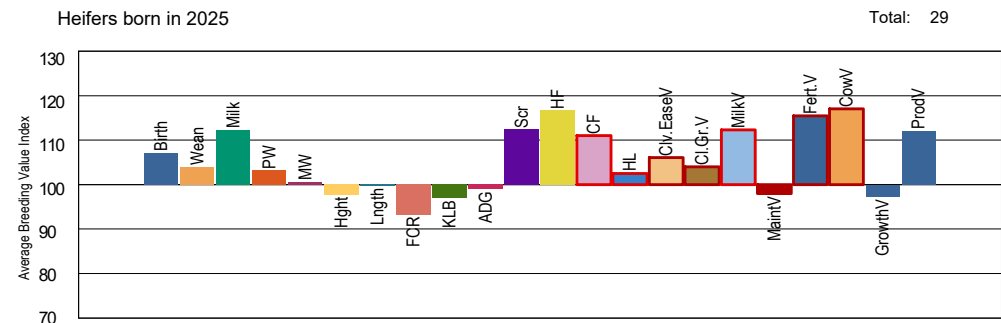
Cows older than 6 years

Selection possibilities

Bull calves



Heifer calves

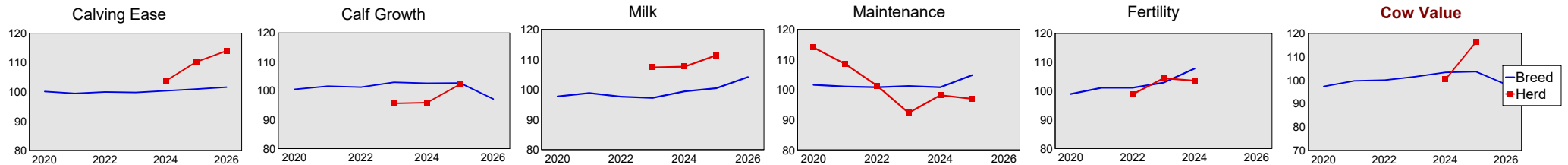


Summary of Cow Herd

			Selection Values (SV)							Calf Weight		Dam		Growth & Efficiency				Fertility				Frame			
Birth Year	No. Cows	Average Cow Value	Calving Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat)	Postwn Weight	Mature Weight	ADG	Kleiber	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	
Cows in Breed Average:			100	100	100	101	100	100	99	99	100	100	100	100	100	100	99	99	99	99	100	100	100	99	99
2014	1		100	91	131	95	105				106	91	81	131	87	102	90	85		112		83	110	99	
2016	2		133	75	105	85	110				130	75	97	105	67	116	64	60	84	112		84	70	72	
2017	1	★★★★	99	89	125	104	95	96			104	89	84	125	85	92	89	87		104	101	80	109	95	
2020	6	★★	107	80	108	114	94	79			113	80	75	108	75	90	72	67	97	106	103	88	84	80	
2021	4		120	79	110	109					122	79	89	110	74	88	82	79	98			79	92	85	
2022	12	★★★★	107	87	114	95	99	94	91	95	111	87	85	114	84	107	85	82	98	106	96	89	93	89	
2023	16	★★★★☆	95	106	103	97	104	104	98	109	95	106	98	103	102	103	98	94	106	99	108	101	97	102	
2024	35	★★★★☆	110	96	109	99	104	103	94	101	112	96	91	109	95	99	95	94	100	106	108	91	95	95	
2025	29	★★★★★	106	104	112	98	115	117	97	112	107	104	97	112	103	101	99	97	112	117	111	103	98	100	
2026	12	★★★★★	114	98	108	96	110	110	98	108	114	98	96	108	98	103	99	97	109	112	108	98	95	99	
Cows in Herd Average:			109	91	113	99	104	100	96	105	111	91	89	113	87	100	87	84	101	108	105	90	94	92	

Genetic Trends for On-Farm Traits

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



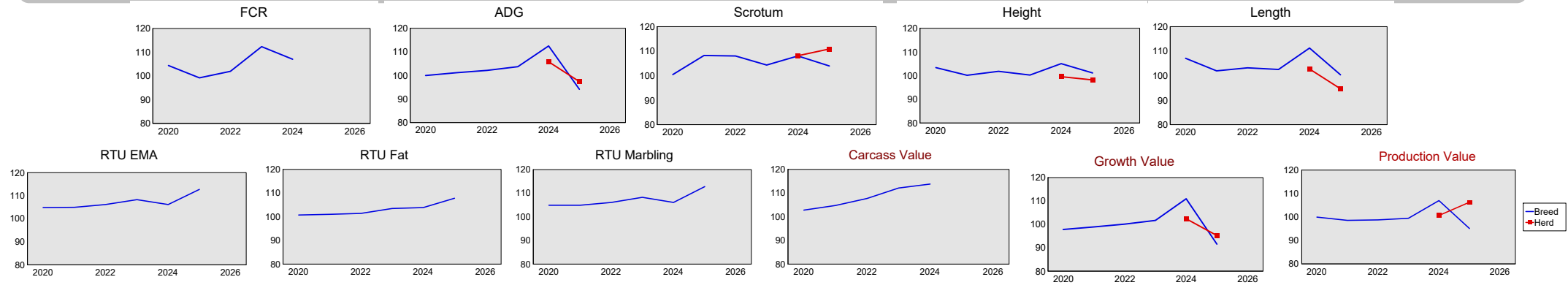
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility						Cow Value	
	Birth Weight		Calv. Ease	Dir	Mat	Weaning Weight	Calf Growth	Milk (Wn.Mat.)		Postwean Weight	Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity		
	Number	EBV						Number	EBV		Number	EBV		Number	EBV	Number	EBV	Number	EBV			Number
2020													2	10	114					2	23.9	
2021													2	9	109					2	10.3	
2022													9	19	101	7	-6.5	6	-5.8	4	20.8	99
2023					13	12.3	96	13	2.98	107	13	15.0	7	27	92	10	-8.3	3	-6.1	104		
2024	60	0.63	0.29	104	50	12.5	96	50	3.03	108	44	19.9	98		9	-7.0			104		100	
2025	61	0.22	0.00	110	57	15.9	102	57	4.17	111	52	24.9	97								116	
2026	32	0.05	-0.09	114																		

Breed

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

Genetic Trends for Growth Test Traits



Herd

Birth Year	Growth						Frame						Carcass						Selection Values					
	FCR			ADG			Scrotum			Height			Length			EMA			Fat		Marbling	Carcass Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	RTU Number	EBV	EBVi	EBV	EBVi	EBV	EBVi		
2020																								
2021																								
2022																								
2023																								
2024				19	120	106	7	14.9	108	19	12	100	19	27	103								102	101
2025				7	84	97	7	16.3	111	17	11	98	17	19	95								95	106
2026																								

Breed

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

Sires

Bull				Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID Dam ID	Name	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.
20145305		1291545		110	120	105		102		104		111	120	94	105	120		109	104	125	110	88	107	114	116	111	110	106	14	20
HARRIS 257/4		20120100399 9		66	81	50		43		34		0.15	25.5	0.15	2.1	38.4		134	-25	23.9	-11.5	-3.3	37.9	20	42	1.64	1.43	0.87	4	3 6
HHH 200013		SP 160030 HHH 100021		95	106	87	96	105	99	97	96	92	106	113	87	106	105	102	108	89	111	97	102	107	102	87	105	99	5	4
HHH 20-13				66	71	52	19	46	55	26	49	70	71	51	52	50	19	103	-30	4.5	-12.7	-5.1	34.4	16	26	-0.28	0.85	0.38		
J 170013		LL 120091 J 110014		101	100	97	96	89	92	98	90	100	100	105	97	103	104	105	110	88	101	80	97	98	96	93	101	102		
J170013				54	61	63	46	51	53	26	48	55	61	52	63	38	46	36	12	71	56	31	65	42	40	0.23	0.38	0.58		3 6
KT 180026		VV 130073 VV 050046		110	88	82	100	94	79	89	77	108	88	102	82	81	101	92	96	92	98	92	98	78	85	90	81	89	13	12
AERO				81	81	66	36	56	67	27	59	0.39	8.0	-0.17	-4.8	8.8	20	59	-15	5.8	-2.1	-4.1	31.8	-1	9	-0.03	-2.19	-0.45		3 3
KTZ 120010		KSS 080009 AJ 030028		108	109	88	96	98	106	122	107	110	109	92	88	121	104	125	121	101	97	102	95	100	111	101	142	116	116	77
KTZ120010 ET				95	95	90	85	89	86	90	87	97	95	89	90	90	85	91	87	91	90	85	93	93	92	87	87	86	21	14 30
KVS 130164		KVS 100241 KVS 110065		112	114	111	99	137	139	125	138	117	114	81	111	122	99	121	127	130	134	130	108	111	104	87	62	92	80	87
KVS130164				95	96	90	88	90	87	90	88	96	96	89	90	92	88	91	89	92	91	88	92	93	93	90	89	89	13	4 6
SP 180045		20143156 SP 110048		87	136	134	69	138	148	133	147	90	136	95	134	134	135	138	139	149	141	129	103	121	129	116	148	137	81	75
JINERO				94	95	88	85	87	86	87	86	96	95	86	88	84	85	85	87	87	89	83	90	87	87	86	85	84		10 14
SP 230075		SP 180045 SP 170099		96	130	102	81	127	139	122	137	93	130	113	102	123	122	122	113	129	119	125	110	112	123	119	118	119	4	
MAKONYANE				85	87	83	80	82	79	81	79	86	87	81	83	80	80	81	81	81	83	80	84	82	81	81	80	80		
SS 170150		RS 140021 SP 090024		111	108	92	110	93	107	97	103	109	108	134	92	105	89	98	88	100	77	106	107	87	100	94	79	93	14	21
SS170150				89	91	87	84	86	83	86	84	90	91	86	87	86	84	86	84	88	86	83	88	88	88	87	86	86		7 7
SS 180019		RS 140021 SS 100033		83	138	86	92	95	123	108	120	79	138	138	86	130	109	108	92	138	74	111	111	110	127	115	136	130	129	105
SAKO				97	97	95	94	94	90	95	91	98	97	95	95	94	94	94	95	95	95	93	95	95	95	95	94	94	12	20 24
SS 190186		BR 140016 SS 140027		84	113	120	89	118	120	105	117	86	113	101	120	110	109	107	103	109	113	123	99	103	108	77	114	103	30	36
SS190186				92	93	88	85	86	84	88	85	93	93	88	88	90	85	88	87	89	87	84	88	92	91	86	86	85	7	12 16

Sires

Bull				Selection Values								Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID	Dam ID	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	FCR	Scrotal	Heifer	Cow	Long-evi	Height	Length	EMA	Fat	Marbling	Birth	Wean	
				Ease	Grwth	Value	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight					Fertility	Fertility	ty						Dgt/Calvs.
SS 210095		20145305	SS 130009	132	107	113	93	124	134	103	128	124	107	122	113	106	106	103	98	127	132	102	115	96	107	105	94	109	76	45	
HARRIS				95	95	91	89	90	87	90	88	96	95	90	91	27.9	25	107	-17	25.1	-29.2	-6.2	43.0	10	32	1.18	-0.57	1.15			
																92	89	91	89	92	90	89	91	92	91	91	90	90			
VV 180139		VV 120148	VV 130027	94	114	91	78	100	103	118	104	90	114	117	91	101	128	119	113	113	89	115	95	103	112	112	85	87		5	
VV180139				70	75	63	34	57	62	28	55	73	75	60	63	23.6	46	178	-35	17.6	4.8	-8.9	29.6	14	37	1.75	-1.79	-0.66		2	2

Growth Tests

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

Animal				Weight		Frame				Growth				Carcass			
Test Code Sex	Test no	Sire ID	Cow Value	Wean dir	End-weight	Length	Height	Length/Height	Scrotum	Intake	ADG	FCR	Growth Value	EMA	Fat	Marbling	Carcass Value
Test station	ID	Dam ID															
02201L D11 M	0628446SGT																
SANTARIFIC SANTA STOET	SS 210095	20145305	134	107	106	107	96	119	127	98	103	98	103	105	94	109	101
	291347409	SS 130009	87	95	30	32	10	1.17	25.1	0.62	107	-17	90	1.18	-0.57	1.15	90
					91	91	92	92	92	89	91	89		91	90	90	
202501 B12 F	0596703SGT																
EDE FARMING	BVB 250101	KVS 130164	106	91	80	70	56	101	95	133	78	86	74	85	81	87	90
	98600257	BVB 200103	51	65	5	-8	-14	1.13	7.6	-0.01	3	-3	36	-0.46	-2.29	-0.62	33
					42	70	74	72	42	29	39	29		34	32	31	
	BVB 250102	KVS 130164	114	90	89	83	84	88	105	114	89	86	87	83	89	100	89
	98625502	BVB 160132	49	64	13	6	2	1.09	13.3	0.33	46	-4	35	-0.63	-1.22	0.45	33
					41	70	74	72	42	29	39	29		34	32	31	
	BVB 250104	KVS 130164	123	111	112	109	120	90	122	88	113	106	111	98	81	89	103
	98632441	BVB 170126	51	65	37	34	24	1.10	22.4	0.80	149	-27	36	0.60	-2.22	-0.49	33
					42	71	74	72	42	29	39	29		34	32	31	
	BVB 250105	KVS 130164	115	98	100	94	99	90	115	102	99	94	98	91	90	102	98
	98632458	BVB 170148	50	65	24	18	11	1.10	18.3	0.54	90	-13	35	0.03	-1.13	0.61	33
					41	70	74	72	42	29	39	29		34	32	31	
	BVB 250108	KVS 130164	104	92	90	85	93	81	106	110	92	89	90	81	89	100	87
	98727209	BVB 200101	49	64	14	8	8	1.07	13.8	0.39	59	-7	35	-0.83	-1.24	0.40	33
					41	70	74	72	42	29	39	29		34	32	31	
	BVB 250114	SS 190186	103	97	97	98	104	92	105	100	94	82	91	83	115	107	91
	98820772	BVB 200117	48	62	22	23	14	1.10	12.9	0.58	70	1	38	-0.63	2.18	0.98	32
					41	70	74	72	39	35	38	35		33	30	29	
	BVB 250115	SS 190186	101	95	88	87	87	93	97	113	84	75	80	79	115	106	87
	98820780	BVB 210108	48	62	12	10	4	1.11	8.7	0.35	27	9	38	-0.96	2.14	0.90	32
					41	70	74	72	39	35	38	35		33	30	29	
	BVB 250116	SS 190186	97	93	98	99	107	90	103	97	96	84	94	81	107	92	86
	98832611	BVB 210112	48	61	22	24	16	1.10	11.8	0.63	79	-1	38	-0.81	1.04	-0.25	32
					41	70	74	72	39	35	38	35		33	30	29	
	BVB 250118	SS 190186	108	102	104	106	111	96	110	91	98	81	99	87	116	108	96
	98866833	BVB 170113	50	64	28	31	19	1.11	15.8	0.74	87	3	38	-0.31	2.21	1.10	32
					41	70	74	72	39	35	38	35		33	30	29	
	BVB 250119	SS 190186	109	99	100	101	108	91	106	100	97	88	93	86	115	106	95
	98929649	BVB 140126	49	64	24	25	17	1.10	13.8	0.59	83	-6	38	-0.42	2.11	0.95	32
					41	70	74	72	39	35	38	35		33	30	29	
202501 D11 M	0596703SGT																
EDE FARMING	BVB 240145	KTZ 120010	107	103	117	117	110	118	114	81	119	111	103	115	131	117	118
	97415954	BVB 220234	49	63	41	43	18	1.17	17.8	0.93	177	-33	50	2.01	4.21	1.78	30
					71	70	74	72	71	30	63	30		31	28	28	
	BVB 240146	KTZ 120010	103	106	110	103	98	108	106	95	121	129	100	104	129	113	113
	97415962	BVB 220115	52	65	34	27	11	1.15	13.8	0.67	186	-54	50	1.10	3.96	1.49	30
					71	70	74	72	72	30	63	30		32	29	28	

Growth Tests

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

Animal				Weight		Frame				Growth				Carcass				
Test Code	Sex	Test no	Sire ID	Cow	End-	Length	Height	Length/	Scrotum	Intake	ADG	FCR	Growth	EMA	Fat	Marbling	Carcass	
Test station		ID	Dam ID	Value	weight			Height					Value				Value	
202501 D11 M			0596703SGT															
EDE FARMING		BVB 240147 97415970	 KTZ 120010 BVB 220103	114	116	128	125	126	112	128	72	134	128	129	105	130	114	127
				77	84	53 85	51 85	28 86	1.16 86	25.8 85	1.09 79	242 83	-53 79	82	1.17 79	4.08 79	1.57 79	79
		BVB 240148 97422968	KTZ 120010 BVB 220221	96	95	102	100	98	102	90	86	107	93	107	102	129	115	108
				49	62	27 71	24 70	11 74	1.13 72	4.9 71	0.83 30	124 63	-12 30	50	0.94 31	3.94 28	1.66 28	30
		BVB 240152 97512800	 KTZ 120010 BVB 220101	114	104	109	106	99	114	102	102	113	120	98	97	122	110	106
				77	84	33 85	32 85	12 86	1.16 86	11.5 85	0.54 79	149 83	-44 79	82	0.54 79	3.00 78	1.21 78	78
202502 D11 F			0596703SGT															
EDE FARMING		BVB 240142 97407753	KTZ 120010 BVB 220126	88	90	96	99	102	96	93	102	103	102	87	92	117	89	89
				50	63	21 71	24 70	13 74	1.11 72	6.7 40	0.55 30	108 63	-22 30	50	0.15 31	2.33 28	-0.50 28	30
		BVB 240144 97415947	KTZ 120010 BVB 220128	100	97	97	99	99	101	98	87	91	64	113	92	120	101	99
				51	64	21 71	24 70	11 74	1.13 72	9.2 40	0.80 30	58 63	23 30	50	0.07 31	2.81 28	0.48 28	30
		BVB 240151 97480362	KTZ 120010 BVB 220207	79	80	83	81	82	86	87	101	94	83	92	84	127	109	86
				49	63	8 71	3 70	1 74	1.09 72	3.2 40	0.57 30	71 63	0 30	50	-0.59 31	3.65 28	1.19 28	30
		BVB 240154 97512826	 KTZ 120010 BVB 220113	112	114	119	117	111	118	107	83	122	117	120	113	120	110	122
				78	85	43 86	43 86	19 87	1.17 86	14.2 81	0.89 80	187 84	-40 80	83	1.83 80	2.77 79	1.21 79	80
		BVB 240155 97547525	KTZ 120010 BVB 220104	104	103	101	97	99	96	96	102	108	111	99	97	126	111	104
				53	64	26 71	21 70	12 74	1.11 72	8.3 44	0.54 30	127 63	-33 30	50	0.51 32	3.60 29	1.32 28	30
		BVB 240156 97547533	KTZ 120010 BVB 220245	104	105	107	108	99	117	107	84	107	91	104	107	130	116	111
				49	63	32 71	33 70	11 74	1.17 72	14.0 40	0.86 30	123 63	-9 30	50	1.32 31	4.05 28	1.70 28	30
		BVB 240157 97574479	KTZ 120010 BVB 220252	96	87	89	89	90	93	92	102	89	75	95	85	129	112	91
				49	63	13 71	13 70	6 74	1.11 72	6.2 40	0.55 30	50 63	10 30	50	-0.47 31	3.91 28	1.40 28	30
		BVB 240158 97599559	KTZ 120010 BVB 220124	118	102	106	103	91	117	102	96	107	104	99	103	130	115	109
				51	63	30 71	27 70	7 74	1.17 72	11.5 40	0.65 30	124 63	-24 30	50	1.03 31	4.01 28	1.65 28	30
		BVB 240160 97624829	SS 190186 BVB 220256	107	96	87	84	80	96	96	117	81	73	79	76	116	106	85
				50	62	11 70	7 70	0 74	1.11 72	8.3 39	0.28 35	13 61	12 35	52	-1.22 33	2.22 30	0.93 29	32
		BVB 240161 97656961	SS 190186 BVB 220105	102	105	102	102	111	90	103	101	102	99	97	85	112	105	97
				50	63	26 71	27 70	19 74	1.10 72	11.8 43	0.57 35	103 62	-18 35	53	-0.44 33	1.68 30	0.80 29	32
		BVB 240162 97744858	SS 190186 BVB 220237	102	97	91	88	81	102	99	111	92	90	77	84	115	106	90
				47	61	16 70	11 70	1 74	1.13 72	9.8 39	0.37 35	60 61	-9 35	52	-0.54 33	2.19 30	0.91 29	32

Growth Tests

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

Animal				Weight		Frame				Growth				Carcass				
Test Code	Sex	Test no	Sire ID	Cow	Wean	End-	Length	Height	Length/	Scrotum	Intake	ADG	FCR	Growth	EMA	Fat	Marbling	Carcass
Test station		ID	Dam ID	Value	dir	weight			Height					Value				Value
202502 D11 F			0596703SGT															
EDE FARMING		BVB 240163	SS 190186	106	100	96	95	89	106	103	104	92	82	85	86	116	107	94
		97739692	BVB 220220	47	61	20	19	5	1.14	12.0	0.51	60	2	52	-0.37	2.19	1.01	32
						70	70	74	72	39	35	61	35		33	30	29	
202503 D11 M			0596703SGT															
EDE FARMING		BVB 250103	KVS 130164	108	91	104	102	117	81	115	87	106	92	110	92	88	102	99
		98632433	BVB 170122	50	65	28	26	22	1.08	18.6	0.82	121	-11	50	0.12	-1.35	0.58	33
						70	70	74	72	72	29	62	29		34	32	31	
		BVB 250109	KVS 130164	115	97	111	108	113	98	125	78	109	90	117	99	88	104	108
		98758329	BVB 210102	49	64	35	33	20	1.12	23.7	0.97	134	-8	50	0.71	-1.29	0.76	33
						70	70	74	72	72	29	62	29		34	32	31	
		BVB 250110	KVS 130164	120	99	112	109	113	101	119	74	113	92	120	104	88	105	112
		98758337	BVB 210106	49	64	37	35	20	1.13	20.8	1.04	149	-10	50	1.06	-1.33	0.81	33
						70	70	74	72	72	29	62	29		34	32	31	
		BVB 250112	SS 190186	98	88	85	84	82	92	84	115	80	69	85	75	107	93	83
		98820756	BVB 200115	50	64	9	7	1	1.10	1.8	0.31	8	17	52	-1.32	1.07	-0.17	32
						70	70	74	72	71	35	62	35		33	30	29	
		BVB 250113	SS 190186	111	99	106	108	112	99	150	89	96	74	102	89	116	109	100
		98820764	BVB 200107	48	62	31	33	19	1.12	37.5	0.78	76	11	52	-0.11	2.23	1.18	32
						70	70	74	72	71	35	61	35		33	30	29	

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass		
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
SS 210095 291347409 HARRIS		20145305 SS 130009	132 95	107 95	113 91	93 89	124 90	134 87	103 90	128 88	101 90	124 -0.95 96	122 -0.92 90	106 25 89	107 18.3 95	113 4.8 91	114 89 92	106 27.9 92	103 107 91	98 -17 89	127 25.1 92	132 -29.2 90	102 -6.2 89	115 43.0 91	96 10 92	107 32 91	105 1.18 91	94 -0.57 90	109 1.15 90
SP 230075 95689592 MAKONYANE		SP 180045 SP 170099	96 85	130 87	102 83	81 80	127 82	139 79	122 81	137 79	130 80	93 1.71 86	113 -0.57 81	122 40 80	130 31.2 87	102 1.5 83	120 103 83	123 41.1 80	122 188 81	113 -36 81	129 25.9 81	119 -19.0 83	125 -11.0 80	110 39.7 84	112 19 82	123 50 81	119 2.31 81	118 2.57 80	119 1.98 80
BVB 240145 97415954 KTZ12010 24145		KTZ 120010 BVB 220234	102 62	103 63	114 48	90 20	101 36	107 49	103 50	105 49	118 30	106 0.61 67	87 0.43 43	110 28 20	103 16.5 63	114 4.8 48	110 79 44	107 28.4 49	119 177 63	111 -33 30	114 17.8 71	99 -3.3 40	108 -7.4 21	94 29.0 48	110 18 74	117 43 70	115 2.01 31	131 4.21 28	117 1.78 28
BVB 240146 97415962 KTZ12010 24146		KTZ 120010 BVB 220115	100 63	106 65	91 50	102 33	103 41	103 52	100 50	100 52	113 30	103 0.87 68	91 0.27 45	97 17 33	106 18.0 65	91 -2.0 50	98 50 49	111 31.4 50	121 186 63	129 -54 30	106 13.8 72	108 -9.9 48	100 -5.7 24	98 31.7 50	98 11 74	103 27 70	104 1.10 32	129 3.96 29	113 1.49 28
BVB 240147 97415970 KTZ12010 24147		KTZ 120010 BVB 220103	96 84	116 84	99 81	87 78	105 80	114 77	129 82	116 78	127 79	97 1.39 85	100 -0.08 81	114 33 78	116 23.6 84	99 0.5 81	109 75 81	122 40.1 82	134 242 83	128 -53 79	128 25.8 85	99 -3.0 80	110 -7.8 78	102 34.4 81	126 28 86	125 51 85	105 1.17 79	130 4.08 79	114 1.57 79
BVB 240148 97422968 KTZ12010 24148		KTZ 120010 BVB 220221	105 62	95 62	102 45	99 20	101 36	96 49	107 50	95 49	108 30	111 0.20 67	82 0.63 43	100 19 20	95 11.8 62	102 1.2 45	96 45 42	100 23.4 48	107 124 63	93 -12 30	90 4.9 71	103 -6.5 40	105 -6.8 21	90 26.2 48	98 11 74	100 24 70	102 0.94 31	129 3.94 28	115 1.66 28
BVB 240152 97512800 KTZ12010 24152		KTZ 120010 BVB 220101	133 84	104 84	90 81	93 78	106 80	114 77	98 82	110 78	106 78	124 -0.99 85	116 -0.70 80	108 27 78	104 16.8 84	90 -2.2 81	93 36 81	103 25.7 82	113 149 83	120 -44 79	102 11.5 85	106 -8.7 80	106 -7.0 78	100 32.8 81	99 12 86	106 32 85	97 0.54 79	122 3.00 78	110 1.21 78
BVB 240165 97980668 SS19186 24165		SS 190186 BVB 220129	95 45	93 62	116 46	100 24	112 30	101 45	85 38	96 44	90 32	101 1.02 47	84 0.56 39	98 17 24	93 11.0 62	116 5.7 46	108 73 44	91 15.9 42	89 46 38	78 6 35	101 10.9 39	113 -14.0 34	114 -8.7 17	95 29.9 39	93 8 43	93 17 42	82 -0.70 33	115 2.17 30	107 0.96 29
BVB 250103 98632433 KVS13164 25103		KVS 130164 BVB 170122	119 61	91 65	102 48	108 20	119 36	108 50	110 50	107 50	99 33	123 -0.84 67	81 0.66 39	90 10 20	91 10.0 65	102 1.3 48	96 46 44	98 21.6 52	106 121 62	92 -11 29	115 18.6 72	125 -23.6 39	116 -9.2 21	91 27.0 48	117 22 74	102 26 70	92 0.12 34	88 -1.35 32	102 0.58 31
BVB 250109 98758329 KVS13164 25109		KVS 130164 BVB 210102	112 61	97 64	116 46	101 20	118 36	115 49	117 50	115 49	108 33	117 -0.32 67	80 0.71 39	97 16 20	97 13.2 64	116 5.6 46	111 82 43	104 26.3 52	109 134 62	90 -8 29	125 23.7 72	118 -18.5 40	118 -9.4 21	97 31.2 46	113 20 74	108 33 70	99 0.71 34	88 -1.29 32	104 0.76 31
BVB 250110 98758337 KVS13164 25110		KVS 130164 BVB 210106	117 61	99 64	113 46	100 20	121 35	120 49	120 50	119 49	112 33	119 -0.53 67	88 0.39 39	97 17 20	99 14.1 64	113 4.7 46	110 80 43	107 28.2 52	113 149 62	92 -10 29	119 20.8 72	122 -21.1 39	119 -9.7 21	99 32.5 46	113 20 74	109 35 70	104 1.06 34	88 -1.33 32	105 0.81 31
BVB 250112 98820756 SS19186 25112		SS 190186 BVB 200115	110 63	88 64	109 49	116 30	103 32	98 50	85 52	92 50	83 32	111 0.20 67	95 0.13 45	82 3 30	88 8.2 64	109 3.4 49	102 59 48	81 8.8 53	80 8 62	69 17 35	84 1.8 71	102 -5.0 36	108 -7.4 17	96 30.3 42	82 1 74	84 7 70	75 -1.32 33	107 1.07 30	93 -0.17 29

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass				
Index EBV Acc	ID Number Name	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling	
	BVB 250113		SS 190186 BVB 200107	101	99	117	92	114	111	102	107	100	103	95	106	99	117	111		94	96	74	150	112	117	98	112	108	89	116	109
	98820764			62	62	46	24	31	48	52	49	32	0.85	0.12	25	14.3	6.0	81		18.8	76	11	37.5	-13.3	-9.4	31.8	19	33	-0.11	2.23	1.18
	SS19186 25113												67	44	24	62	46	44		52	61	35	71	36	17	41	74	70	33	30	29
	BVB 250120		SS 210095 99042061 HARRIS 25120	116	111	110	87	117	127	111	124	113	109	117	113	111	110	113		105	113	109	121	117	106	115	108	114	101	109	111
				83	83	80	78	79	76	79	77	79	0.31	-0.73	32	20.5	3.9	85		27.0	149	-30	21.6	-17.3	-7.0	42.9	17	40	0.87	1.34	1.35
													84	79	78	83	80	80		80	79	78	80	78	78	80	80	80	79	79	79
	BVB 250126		SS 210095 99071292 HARRIS 25126	126	112	101	93	102	123	107	120	107	119	120	107	112	101	109		112	107	100	119	101	93	115	96	109	103	99	101
		3		65	69	42	22	29	50	32	46	37	-0.51	-0.84	26	21.5	0.9	76		32.3	127	-19	20.5	-4.6	-4.3	42.9	10	34	0.98	0.08	0.54
													72	37	22	69	42	44		50	37	21	43	28	18	42	44	42	39	35	34
	BVB 250127		SS 210095 99071938 HARRIS 25127	121	112	112	85	119	131	112	128	112	114	118	116	112	112	114		108	113	107	125	117	107	118	110	116	104	101	106
				83	84	79	77	79	76	78	76	78	-0.08	-0.78	34	21.2	4.3	88		29.5	149	-29	23.8	-17.1	-7.3	44.9	18	42	1.12	0.34	0.91
													84	79	77	84	79	80		81	79	78	79	79	77	80	80	79	78	78	
	BVB 250129		SS 210095 99080368 HARRIS 25129	131	96	108	88	115	115	98	111	96	125	110	112	96	108	98		92	97	88	115	122	100	110	97	102	102	97	106
				62	66	40	21	30	48	24	43	31	-1.01	-0.44	31	12.4	3.2	50		17.3	84	-6	18.8	-21.2	-5.7	39.7	10	26	0.92	-0.19	0.90
													69	35	21	66	40	42		50	31	13	37	33	17	40	39	37	33	29	28
	BVB 250132		SS 210095 99145310 HARRIS 23132	141	100	97	88	120	121	100	116	97	132	123	114	100	97	92		99	100	98	116	122	108	109	92	100	104	90	102
				83	83	79	77	78	76	77	76	78	-1.68	-0.97	32	14.5	-0.3	35		22.2	94	-17	19.2	-21.5	-7.4	39.4	7	25	1.08	-1.14	0.60
													84	78	77	83	79	80		80	78	76	78	78	76	79	78	78	77	77	
	BVB 250135		SS 210095 99199648 HARRIS 25135	119	102	108	87	108	114	101	110	102	113	112	114	102	108	103		97	102	94	118	108	105	104	99	105	106	98	105
				60	66	39	20	29	48	24	43	31	-0.04	-0.55	32	15.8	3.3	62		20.7	105	-12	20.4	-10.3	-6.8	35.5	11	30	1.26	-0.10	0.80
													67	31	20	66	39	42		50	31	13	37	32	16	39	38	36	33	29	29
	BVB 250136		SS 210095 99206419 HARRIS 25136	115	98	106	91	105	106	94	101	94	112	105	109	98	106	100		94	96	89	113	109	98	102	93	99	101	97	105
				60	66	39	20	29	48	24	43	31	0.05	-0.26	28	13.4	2.7	53		18.9	77	-7	17.6	-11.1	-5.5	34.7	8	23	0.83	-0.20	0.86
													67	31	20	66	39	42		50	31	13	37	32	15	39	38	36	33	29	28
	BVB 250137		SS 210095 99290264 HARRIS 25137	85	116	116	89			104		108	90	92	110	116	116	123		118	109	107	118	119	108		103	111	96	108	113
				84	84	80	78	79		79		79	2.00	0.24	29	23.3	5.6	110		37.1	133	-29	20.1	-19.2	-7.4		14	36	0.48	1.23	1.45
													85	79	78	84	80	81		81	79	78	80	79	78	80	80	80	79	79	79
	BVB 250140		SS 210095 99331993 HARRIS 25140	104	117	101	93	106	121	105	118	113	102	129	106	117	101	114		114	108	100	122	107	96	113	103	116	110	106	117
				86	86	82	80	81	79	80	79	81	0.97	-1.18	25	24.2	1.2	89		33.8	131	-20	22.4	-9.0	-5.0	42.1	14	42	1.56	0.98	1.78
													87	81	80	86	82	83		82	81	80	82	81	80	82	82	81	81	81	81
	BVB 250143		KVS 130164 99168486 KVS13164 25143	121	88	95	111	121	104	94	100	89	127	73	87	88	95	88		91	95	90	108	126	116	97	94	86	83	88	100
				61	64	46	20	35	49	37	47	33	-1.21	0.99	7	8.2	-0.7	26		16.6	72	-8	14.5	-24.2	-9.0	31.2	8	9	-0.60	-1.29	0.43
													67	39	20	64	46	43		50	41	29	42	39	21	45	47	46	34	32	31
	BVB 250146		KVS 130164 99179681 KVS13164 25146	116	113	112	87	125	133	119	131	116	113	104	113	113	112	117		113	121	121	123	122	123	103	115	114	101	79	101
				84	84	81	78	80	77	80	78	80	-0.01	-0.22	32	22.0	4.5	95		32.8	183	-45	22.7	-21.4	-10.5	35.1	21	40	0.86	-2.56	0.51
													85	80	78	84	81	81		82	80	79	81	80	78	81	81	81	80	79	79

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Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass																		
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling															
ID Number Name				Calv.	Ease	Growth	V	Milk	Maint.	V	Fertility	V	Cow	Value	Growth	Value	Prod.	Value	Carcass	Value	Birth	wt	dir	Birth	mat	Mature	wt	Wean	wt	Wean	mat	Cow-Calf Ratio (Wean)	Postwean	wt	ADG	FCR	Scrotal	Circ.	Heifer	Fertility	Cow	Fertility	Longevity	Height	Length
BVB 250147 99179699 KVS13164 25147				114 63	100 65	110 47	102 32	117 40	116 52	104 38	113 49	101 34	117 -0.32 68	88 0.40 43	95 15 32	100 14.4 65	110 3.6 47	109 76 48	104 26.1 50	106 123 42	109 -30 30	112 16.7 45	119 -19.1 47	112 -8.2 24	101 33.7 48	104 14 48	97 21 47	90 -0.03 35	86 -1.63 33	100 0.39 32															
BVB 250149 99189714 KVS13164 25149				105 83	119 83	119 80	90 78	125 79	138 76	119 79	135 77	119 79	104 0.77 84	102 -0.15 79	108 27 78	119 24.9 83	119 6.4 80	129 124 80	123 41.1 81	120 181 79	121 -45 78	122 22.6 80	120 -19.4 80	121 -10.1 78	111 40.1 80	110 18 80	114 39 80	105 1.18 79	87 -1.41 79	106 0.89 78															
BVB 250151 99290272 HARRIS 25151				121 83	91 84	107 80	112 79	125 79	113 77	89 79	107 77	90 79	118 -0.44 84	102 -0.16 79	86 6 79	91 9.5 84	107 2.8 80	101 57 81	94 18.1 80	95 72 79	97 -16 78	105 13.3 80	137 -33.2 79	99 -5.7 78	112 41.0 80	80 0 80	90 13 80	79 -0.96 79	110 1.44 79	110 1.20 78															
BVB 250154 99332017 HARRIS 25154				108 60	97 63	122 40	112 27	107 22	113 46	94 26	107 42	97 30	108 0.43 67	97 0.04 32	85 5 27	97 13.0 63	122 7.3 40	121 106 43	94 18.6 41	96 76 34	85 -2 12	112 16.8 40	112 -13.1 20	101 -6.0 11	99 32.3 36	94 8 41	100 24 39	105 1.22 32	98 -0.10 29	98 0.30 28															
BVB 250158 99472011 HARRIS 25158				106 60	102 63	117 39	92 12	116 23	116 45	93 26	110 41	100 30	107 0.54 67	97 0.06 31	106 25 12	102 15.9 63	117 5.9 39	113 86 38	99 22.7 41	95 72 33	82 1 12	119 20.5 36	120 -20.1 22	108 -7.3 11	102 34.6 35	98 11 41	102 26 39	106 1.26 32	107 1.04 29	112 1.44 28															
BVB 260102 6020695844 HARRIS 26102				124 51	105 55	113 36	91 17	124 28	129 41	98 30	122 39	100 34	117 -0.34 57	115 -0.67 29	108 26 17	105 17.5 55	113 4.5 36	112 83 36	100 23.5 45	100 94 36	92 -10 21	118 20.1 41	128 -26.5 33	113 -8.4 14	105 36.2 38	99 11 43	104 29 41	98 0.60 36	104 0.75 32	109 1.13 31															
BVB 260106 6020748650 HARRIS 26106				107 63	104 55	118 36	96 17	120 28	121 43	91 36	114 42	93 34	106 0.63 70	104 -0.22 33	102 21 17	104 16.6 55	118 6.1 36	117 95 36	100 23.1 40	92 60 43	86 -3 21	112 16.7 41	125 -23.5 33	110 -7.8 14	104 35.9 36	88 5 52	95 19 49	90 -0.02 36	105 0.82 32	108 1.04 31															
BVB 260108 6020748684 HARRIS 26108				122 62	99 54	108 34	97 12	118 27	117 42	94 25	112 39	95 30	117 -0.33 70	110 -0.46 32	101 20 12	99 14.0 54	108 3.2 34	105 66 33	98 21.5 42	95 75 32	88 -6 13	117 19.4 38	124 -23.2 31	103 -6.5 14	107 37.8 36	98 11 38	100 25 36	96 0.48 32	103 0.52 29	107 1.00 28															
BVB 260113 6020754161 KVS13164 26113				118 64	106 57	103 44	99 26	118 41	122 48	112 44	119 47	108 36	119 -0.53 70	91 0.30 41	99 18 26	106 17.9 57	103 1.7 44	108 73 42	112 32.4 48	114 157 50	119 -42 33	113 17.4 47	118 -18.3 49	115 -8.9 25	102 34.2 48	105 15 57	100 25 55	92 0.10 38	94 -0.56 35	102 0.56 34															
BVB 260115 6020836950 HARRIS 26115				124 63	108 56	110 37	94 20	107 31	124 45	111 36	121 43	111 34	119 -0.55 70	107 -0.35 34	105 24 20	108 19.1 56	110 3.8 37	113 87 38	111 31.8 41	112 147 44	108 -29 21	117 19.6 42	109 -10.6 36	98 -5.4 17	109 39.0 40	104 14 52	112 38 50	109 1.50 36	107 1.10 33	109 1.18 32															
BVB 260118 6020847395 MAKONYANE 26118				108 58	112 47	109 35	89 20	115 29	124 40	108 28	120 38	113 23	105 0.65 65	106 -0.30 31	111 30 20	112 21.5 47	109 3.5 35	114 89 34	107 28.6 34	108 129 27	97 -16 26	118 19.9 30	110 -11.5 37	119 -9.7 16	102 34.1 34	106 16 32	112 37 31	103 1.01 24	117 2.35 22	113 1.52 21															
BVB 260120 6020732084 HARRIS 26120				120 60	94 48	108 38	103 12	114 21	110 39	82 24	103 36	87 30	117 -0.38 67	102 -0.15 34	95 14 12	94 11.3 48	108 3.1 38	102 59 33	91 16.1 36	85 32 30	75 10 12	108 15.0 36	121 -20.9 19	104 -6.7 11	99 32.1 34	88 5 41	90 14 39	95 0.35 32	105 0.89 29	109 1.18 28															

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Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
BVB 260121 6020738602 HARRIS 26121		SS 210095 BVB 210107	131 60	92 48	114 38	98 12	114 21	114 39	88 24	107 36	93 30	126 -1.16 67	105 -0.25 34	100 19 12	92 10.0 48	114 4.9 38	103 62 33	88 14.2 32	91 57 30	79 5 12	114 18.0 36	120 -19.7 19	105 -6.9 11	99 32.4 34	95 9 37	97 22 35	100 0.80 32	106 0.95 29	111 1.29 28
BVB 260124 6020797103 KTZ12010 26124		KTZ 120010 BVB 230110	92 65	106 57	99 46	103 26	96 40	100 48	105 41	98 47	105 34	97 1.40 69	89 0.35 47	95 15 26	106 17.8 57	99 0.5 46	106 69 43	108 29.3 50	107 124 45	101 -21 34	98 9.3 46	93 1.6 48	104 -6.6 23	94 28.7 49	95 9 49	101 26 48	92 0.10 35	125 3.35 32	105 0.80 31
BVB 260125 6020808702 KTZ12010 26125		KTZ 120010 SS 230016	98 68	124 59	91 51	88 32	94 43	115 51	121 44	116 50	126 38	95 1.57 73	113 -0.58 49	113 32 32	124 27.7 59	91 -1.9 51	109 77 47	127 44.2 50	122 190 47	117 -40 38	110 15.8 48	84 8.9 51	105 -6.8 26	103 35.0 52	106 16 51	119 45 50	112 1.75 40	125 3.44 37	117 1.84 36
BVB 260127 6020836976 HARRIS 26127		SS 210095 BVB 200115	118 61	94 50	105 42	116 21	105 23	107 41	87 26	101 38	87 30	116 -0.23 68	103 -0.20 35	83 3 21	94 11.4 50	105 2.4 42	105 66 38	90 15.4 38	87 39 34	77 8 12	104 12.7 40	109 -11.3 23	98 -5.5 11	101 33.4 36	88 5 41	91 15 39	96 0.46 32	97 -0.17 29	97 0.14 28
BVB 260128 6020847403 KTZ12010 26128		KTZ 120010 BVB 230124	111 64	95 57	99 48	93 28	101 41	96 49	102 37	94 47	99 30	112 0.09 69	93 0.22 46	107 26 28	95 11.7 57	99 0.3 48	91 33 44	99 22.7 50	103 108 41	97 -16 30	97 8.7 41	106 -8.4 48	98 -5.5 25	97 31.1 49	92 7 45	97 21 44	94 0.28 32	121 2.83 29	108 1.05 28
BVB 260130 6020854557 KTZ12010 26130		KTZ 120010 BVB 230123	106 64	99 57	88 49	102 28	98 41	94 49	102 37	93 47	99 30	108 0.39 69	91 0.29 46	97 17 28	99 13.9 57	88 -2.9 49	89 27 45	101 24.2 50	106 121 41	102 -23 30	97 8.7 41	103 -6.0 48	98 -5.4 25	94 29.2 49	94 9 45	99 23 44	96 0.41 32	116 2.28 29	100 0.44 28
BVB 260131 6020854565 HARRIS 26131		SS 210095 BVB 200102	120 61	96 50	117 41	97 12	116 23	117 41	89 24	110 38	93 30	116 -0.30 68	106 -0.29 34	100 19 12	96 12.5 50	117 5.7 41	109 77 34	93 17.6 37	91 58 30	79 4 12	114 18.2 36	122 -21.7 22	106 -7.1 11	102 34.5 36	95 9 37	98 22 35	101 0.83 32	106 0.95 29	111 1.30 28
BVB 260133 6020861412 KTZ12010 26133		KTZ 120010 SS 230024	90 68	119 59	93 51	95 32	105 43	113 51	118 44	113 50	123 38	90 2.02 73	108 -0.37 49	104 23 32	119 25.0 59	93 -1.4 51	110 78 47	122 40.2 47	120 181 47	112 -35 38	110 15.9 48	92 2.3 51	115 -9.0 26	104 35.7 52	106 16 50	118 44 49	113 1.88 39	126 3.55 36	112 1.36 35
BVB 260136 6020868888 HARRIS 26136		SS 210095 BVB 200101	107 60	94 48	103 38	103 12	114 22	103 39	83 24	96 36	87 30	111 0.19 67	87 0.45 34	95 14 12	94 11.3 48	103 1.5 38	98 49 33	92 17.0 32	86 36 30	75 9 12	109 15.3 36	122 -21.2 19	104 -6.6 11	101 33.4 35	89 6 41	91 15 39	95 0.33 32	105 0.89 29	109 1.17 28
BVB 260137 6020884737 KTZ12010 26137		KTZ 120010 BVB 220104	108 65	100 52	98 49	101 33	97 41	100 48	103 38	98 46	105 30	110 0.29 69	94 0.15 47	98 17 33	100 14.7 52	98 0.0 49	98 50 45	105 27.3 43	108 130 44	106 -27 30	97 8.8 44	100 -3.8 48	99 -5.5 24	94 28.9 50	98 11 48	100 24 47	97 0.56 32	126 3.53 29	111 1.34 28

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Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																														
BVB 140126 96782958 14126				100 44	91 47	131 64	95 35	105 19					106 0.59 43	81 0.65 48	102 21 35	91 9.6 47	131 10.1 64	116 92 49	87 12.8 42	90 54 5			112 -13.3 25	83 21.3 29	110 18 37	99 23 35				
BVB 160103 96782974 16103				132 44	73 41	103 57	85 26	110 17					130 -1.51 43	94 0.16 49	116 35 26	73 -0.3 41	103 1.7 57	73 -12 41	65 -4.2 24	64 -57 28			84 1.9 34	119 -18.9 21	85 22.6 28	61 -12 37	68 -10 35			
BVB 160132 96783063 16132				133 41	76 37	107 53							130 -1.44 40	99 -0.01 46		76 1.3 37	107 2.8 53		69 -1.1 30				104 -6.8 23	82 21.0 14	79 -1 35	76 -1 33				
BVB 170126 96785076 17126		BVB 140126		99 47	89 49	125 66	104 41	95 25	96 43				104 0.78 46	84 0.54 51	92 12 41	89 8.9 49	125 8.4 66	114 88 52	85 11.9 43	89 48 11			104 -6.7 26	101 -6.0 6	80 19.4 42	109 17 40	95 19 38			
BVB 200101 96803523 20101				96 47	77 37	91 53							108 0.42 46	54 1.73 51		77 2.1 37	91 -2.0 53		75 3.4 13				86 23.8 36	82 2 35	76 -2 33					
BVB 200102 96803531 20102				118 48	82 43	119 61							119 -0.55 47	89 0.35 52		82 4.6 43	119 6.4 61		76 4.6 36				113 -14.1 23	90 25.9 37						
BVB 200103 96803549 20103		BVB 160103		101 46	78 47	112 65	82 38	102 22	77 41				109 0.30 45	72 1.02 50	119 37 38	78 2.5 47	112 4.3 65	83 13 50	70 0.2 40	67 -46 14			82 0.7 17	109 -11.0 25	103 -6.4 6	87 23.9 34	61 -11 38	69 -9 36		
BVB 200107 96803556 20107				117 48	81 37	117 53							119 -0.55 47	87 0.44 52		81 4.3 37	117 6.0 53		76 4.8 30	78 3 28			129 25.9 34	113 -13.8 23	91 27.1 36	100 12 35	91 15 33			
BVB 200115 96803580 20115		BVB 140105		113 51	78 45	97 63	146 31	85 22	81 41				116 -0.30 50	85 0.52 56	60 -18 31	78 2.7 45	97 -0.3 63	89 27 46	71 0.6 40	71 -29 28			81 0.3 34	87 6.5 24	87 23.9 40	81 0 36	76 -2 33			
BVB 200117 96804265 20117				96 40	82 37	111 53							108 0.43 39	63 1.37 44		82 4.9 37	111 3.9 53		80 7.4 13				86 23.7 30	96 10 35	87 11 33					
BVB 210106 96804299 21106				142 40	77 37	111 53							135 -1.92 39	108 -0.38 44		77 2.1 37	111 4.1 53		74 2.9 30	82 20 28			98 9.6 34	85 23.0 30	94 9 35	91 15 33				
BVB 210107 96804307 21107				119 47	80 37	115 53							121 -0.67 46	88 0.39 51		80 3.5 37	115 5.2 53		73 2.6 13					84 21.9 30						

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ID Number Name																															
BVB 210108 96804315 21108				118 47	77 37	101 53						122 -0.76 46	82 0.64 51		77 2.0 37	101 1.0 53		72 1.4 30					83 21.2 30	79 0 35	74 -4 33						
BVB 210112 96804323 21112				102 40	81 29	113 44	109 64					108 0.39 39	78 0.80 44	88 8 64	81 4.5 29	113 4.7 44	97 47 46	76 4.5 14					62 7.3 39	102 13 35	89 13 33						
BVB 220104 96808878 22104				J 170013 BVB 180101	110 53	90 45	107 58	107 48	96 41	95 45	83 22	89 40	89 12	110 0.26 52	97 0.06 57	91 11 48	90 9.3 45	107 2.9 58	99 53 50	89 14.7 27	91 57 32	89 -7 6	93 6.8 35	103 -6.0 54	95 -4.8 22	92 27.8 48	96 10 39	89 13 37	94 0.25 12	110 1.47 12	107 0.99 10
BVB 220105 96809678 22105				J 170013 BVB 180104	89 47	96 45	119 58	68 48	86 40	86 44	89 22	83 40	93 12	96 1.42 46	82 0.64 50	138 55 48	96 12.6 45	119 6.6 58	99 52 50	96 20.3 27	96 77 32	90 -8 6	97 8.9 35	85 7.7 51	93 -4.3 22	93 28.2 46	105 15 39	96 20 37	97 0.51 12	110 1.44 12	108 1.04 10
BVB 220108 96805007 22108				BVB 160103	118 44	76 32	104 47	81 38	98 25	78 34			119 -0.56 43	88 0.38 48	121 40 38	76 1.4 32	104 1.9 47	75 -7 39	69 -0.8 18	69 -36 14		84 1.8 17	109 -11.3 47		75 16.3 28	74 -4 19	72 -6 17				
BVB 220113 96809496 22113				SS 190186 BVB 190113	93 85	111 84	130 84	98 83	105 82	122 78	108 82	118 79	109 80	96 1.49 85	94 0.15 83	98 18 83	111 20.8 84	130 9.9 84	136 141 84	109 30.4 82	107 123 82	101 -22 81	103 12.0 82	97 -1.2 83	105 -6.9 80	111 40.7 83	106 16 83	110 35 83	96 0.45 81	109 1.38 80	107 0.98 80
BVB 220115 96808886 22115				J 170013 BVB 170131	104 47	91 46	96 59	127 48	108 40	97 44	82 22	91 40	91 12	108 0.44 46	87 0.41 50	78 -2 48	91 9.5 46	96 -0.5 59	95 42 51	91 16.2 31	96 78 32	99 -19 6	96 8.1 46	121 -20.9 51	94 -4.6 22	95 29.8 46	89 5 39	88 12 37	88 -0.21 12	114 2.05 12	109 1.12 10
BVB 220124 96808928 22124					118 41	95 37	134 53					113 -0.03 40	109 -0.41 46		95 11.7 37	134 11.1 53		91 16.2 18	91 58 28			110 -11.7 23		92 27.8 24	95 9 35	98 23 33					
BVB 220128 96805122 22128				BVB 170113	117 44	80 41	117 58	87 64	98 31	88 41			118 -0.41 43	93 0.20 48	113 32 64	80 3.9 41	117 5.8 58	91 32 54	76 4.3 26	73 -21 28			114 -15.3 47	93 -4.4 12	81 20.2 34	97 10 38	87 10 36				
BVB 220129 96814447 22129					101 29	81 37	111 53					111 0.19 28	68 1.17 32		81 4.3 37	111 3.9 53		77 5.4 13						86 23.5 23							
BVB 220207 96808936 22207					112 40	71 37	79 53					122 -0.75 39	65 1.28 44		71 -1.0 37	79 -5.6 53		69 -0.6 18	72 -25 28						84 22.2 23	81 1 35	73 -5 33				
BVB 220234 96814439 22234					102 40	89 37	141 53					108 0.45 39	82 0.61 44		89 8.7 37	141 13.0 53		84 11.0 18	93 67 28			112 17.1 34		86 23.7 23	106 16 35	103 27 33					

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high										Value <80		Value >120		Breeding values with an accuracy < 5% are not printed																
Animal				Selection Values							Birth		Wean				Growth			Fertility				Frame		Carcass				
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
BVB 220252 96814470 22252				115 40	79 37	110 53							119 -0.55 39	82 0.62 44		79 3.1 37	110 3.7 53			74 3.0 18	70 -32 28				84 22.3 23	89 5 35	81 4 33			
BVB 220256 96814462 22256				100 41	84 37	122 53							109 0.37 40	72 1.01 46		84 5.9 37	122 7.2 53			79 6.9 18	74 -14 28			112 -13.4 23	86 23.2 24	85 3 35	82 5 33			
BVB 230101 96815030 23101	SS 190186 BVB 200103			82 58	107 66	120 58	79 30	118 41	111 52	89 38	105 49	101 32	88 2.11 58	87 0.45 56	123 41 30	107 18.4 66	120 6.9 58	113 87 51	102 24.7 62	96 77 38	93 -12 35	100 10.2 40	118 -18.3 54	116 -9.0 23	100 33.3 45	91 7 47	97 21 46	91 0.03 33	107 1.09 30	97 0.20 29
BVB 230103 96815055 23103	SS 190186			94 49	102 49	118 51	89 24	115 30		92 38		104 32	101 1.03 50	80 0.72 45	110 28 24	102 16.0 49	118 6.3 51	113 86 41	101 24.2 44	96 77 38	85 -2 35	110 15.6 39	114 -14.8 34	116 -9.1 17	100 32.9 40	103 14 43	105 30 42	90 -0.02 33	129 3.98 30	130 2.86 29
BVB 230104 96815063 23104	KT 180026 BVB 150124			107 47	82 62	101 52	93 31	85 39	75 48			79 12	111 0.17 48	84 0.55 44	107 26 31	82 4.9 62	101 0.9 52	81 9 48	80 7.4 58	82 18 15	75 10 11	93 6.5 16	88 6.0 52	94 -4.5 19	86 23.6 46	81 1 16	82 5 16	89 -0.12 13	99 0.10 12	100 0.42 12
BVB 230107 96815048 23107	SS 190186			80 54	106 49	116 51	90 24	120 31		93 38		105 32	90 1.98 55	74 0.92 52	109 27 24	106 18.2 49	116 5.5 51	115 90 41	105 27.1 44	99 89 38	90 -8 35	110 16.0 39	117 -17.6 34	121 -10.1 17	101 33.7 42	101 13 43	104 29 42	88 -0.20 33	130 4.07 30	132 2.99 29
BVB 230109 96815071 23109	SS 190186 BVB 200102			102 54	96 64	120 48	97 24	117 38	110 49	88 38	104 47	93 32	104 0.80 55	95 0.13 51	100 20 24	96 12.3 64	120 6.9 48	112 84 45	92 17.0 61	91 58 38	81 3 35	104 12.4 39	119 -18.7 53	118 -9.4 17	93 28.2 43	96 10 43	96 20 42	85 -0.48 33	116 2.20 30	107 1.01 29
BVB 230110 96815154 23110	SS 190186 BVB 200115			91 59	97 64	109 49	112 30	94 39	95 50	88 40	90 48	90 32	97 1.41 59	86 0.49 57	86 6 30	97 13.1 64	109 3.5 49	110 78 48	90 15.6 62	88 46 40	79 5 35	95 7.8 43	89 4.8 54	106 -7.0 17	92 27.6 46	91 7 47	92 15 46	83 -0.66 33	107 1.10 30	94 -0.10 29
BVB 230119 96815295 23119	SS 190186			90 49	96 49	110 51	97 24	124 31		83 38		96 32	100 1.14 50	72 1.02 45	101 21 24	96 12.6 49	110 3.7 51	103 63 41	94 18.8 41	88 42 38	75 10 35	106 13.7 39	123 -21.8 34	122 -10.4 17	102 34.2 42	92 7 43	95 19 42	83 -0.63 33	133 4.41 30	136 3.34 29
BVB 230120 96815287 23120	VV 180139 BVB 170101			104 46	100 61	103 52	81 31	91 39	94 47			102 14	103 0.82 46	102 -0.13 44	123 41 31	100 14.5 61	103 1.6 52	94 40 48	91 15.9 56	102 103 15	89 -7 11	110 15.7 16	83 9.5 52	108 -7.5 22	89 25.5 44	101 13 16	103 28 16	107 1.34 15	101 0.37 14	100 0.45 13
BVB 230123 96820279 23123	KT 180026 BVB 170126			104 56	87 65	87 57	109 31	99 42	83 52			77 12	107 0.48 56	90 0.34 55	91 10 31	87 7.8 65	88 -3.1 57	80 6 51	81 8.7 60	87 39 16	82 1 11	93 6.6 16	108 -10.4 53	94 -4.5 25	93 28.5 47	89 6 26	86 10 25	90 -0.05 13	90 -1.05 12	85 -0.80 12
BVB 230124 96815329 23124	KT 180026 BVB 170113			117 56	79 64	109 56	90 33	105 42	87 51			77 12	117 -0.37 56	93 0.20 55	110 28 33	79 2.9 64	109 3.4 56	84 15 51	76 4.9 60	81 14 16	70 16 11	93 6.6 16	114 -15.3 53	95 -4.7 25	99 32.2 47	84 3 25	84 7 24	87 -0.31 13	99 0.07 12	100 0.41 12

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Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
SS 230004 94696945 SS230004	6	SS 180019 RS 150020	89 88	130 88	103 86	95 84	103 84	127 81	113 84	125 82	127 84	80 2.84 89	119 -0.79 85	104 23 84	130 30.9 88	103 1.7 86	128 122 86	128 45.0 85	114 155 84	102 -22 84	125 24.0 84	98 -2.2 86	103 -6.4 82	107 38.0 85	116 21 84	126 53 84	103 1.03 84	122 3.05 83	117 1.83 83
SS 230012 94696739 SS230012	1	SS 180019 SS 150077	84 87	117 87	74 86	136 83	85 83	98 80	94 83	95 81	102 83	82 2.66 88	102 -0.16 85	72 -7 83	117 23.9 87	74 -7.3 86	104 63 85	111 31.6 84	97 83 83	93 -11 83	103 11.9 83	72 18.5 84	94 -4.5 81	110 40.1 84	91 7 84	102 26 83	89 -0.11 83	116 2.19 83	107 1.01 82
SS 230014 94696887 SS230014		SS 180019 JO 130001	87 86	124 86	88 84	112 81	119 82	124 79	110 81	121 79	115 81	83 2.58 87	110 -0.47 84	88 8 81	124 27.8 86	88 -3.0 84	117 96 84	121 39.8 82	109 135 81	100 -20 81	109 15.2 81	106 -8.6 83	120 -9.8 80	118 45.5 83	102 13 81	112 38 81	107 1.37 81	110 1.48 81	116 1.70 81
SS 230016 94696762 SS230016	1	SS 180019 SS 160010	84 88	139 88	94 87	81 84	91 85	124 81	120 84	123 82	130 84	77 3.11 89	134 -1.40 86	123 41 84	139 36.0 88	94 -1.0 87	121 106 86	134 49.5 86	119 178 84	113 -35 84	119 20.8 85	71 19.3 86	108 -7.5 83	111 40.2 86	113 20 85	128 54 85	123 2.62 85	109 1.29 84	119 1.99 84
SS 230024 94814639 SS230024	1	SS 180019 SS 160053	88 88	129 88	98 86	95 84	111 85	128 81	113 84	125 82	125 84	67 3.95 89	124 -0.99 86	104 23 84	129 30.6 88	98 0.1 86	123 110 86	123 41.2 84	115 160 84	104 -25 84	120 21.0 84	87 6.2 86	129 -11.7 83	112 41.5 86	112 19 85	125 51 84	126 2.88 84	110 1.50 84	107 1.03 84
SS 230066 95394334 SS230066		SS 170150 CR 120045	115 86	106 86	93 84	102 81	79 81	100 79	98 81	97 79	98 81	109 0.30 87	122 -0.92 84	97 16 81	106 18.1 86	93 -1.4 84	101 56 84	103 25.5 82	99 93 81	93 -11 80	98 9.1 82	73 17.4 81	81 -1.9 80	110 39.5 83	81 1 82	96 20 82	86 -0.35 81	103 0.60 81	91 -0.34 81
BVB 240102 96838248 24102		SS 190186 BVB 210102	112 64	97 62	116 46	98 24	104 37	109 50	94 40	104 48	96 32	112 0.11 68	99 -0.04 50	100 19 24	97 13.2 62	116 5.6 46	110 79 44	93 17.7 60	94 70 40	78 6 35	107 13.9 42	100 -4.0 53	113 -8.5 17	93 28.5 42	100 12 47	100 24 45	87 -0.29 33	115 2.14 30	108 1.06 29
BVB 240104 96849054 24104		SS 190186 BVB 210101	108 60	99 61	117 44	98 29	104 31	109 47	90 38	103 45	92 32	106 0.61 65	104 -0.22 40	99 18 29	99 14.0 61	117 5.9 44	113 85 45	91 16.5 60	93 64 38	83 0 35	102 11.6 39	104 -7.0 34	113 -8.5 17	87 24.4 43	98 11 43	96 20 42	86 -0.41 33	107 1.09 30	93 -0.15 29
BVB 240107 96938337 24107		SS 190186 BVB 200112	107 60	102 61	121 43	91 24	110 31	116 47	95 38	111 45	102 32	108 0.46 65	98 0.01 39	107 26 24	102 15.9 61	121 7.2 43	116 94 43	96 20.1 60	99 89 38	86 -4 35	111 16.4 39	107 -9.6 34	119 -9.6 17	92 27.8 43	105 15 43	105 30 42	93 0.20 33	116 2.28 30	109 1.18 29
BVB 240108 96883145 EDE 24108		SS 190186 BVB 210106	144 61	85 62	113 46	105 24	112 31	113 48	87 40	106 46	88 32	138 -2.15 66	105 -0.25 42	92 12 24	85 6.3 62	113 4.8 46	99 51 44	82 9.2 60	87 41 40	73 12 35	97 8.7 42	113 -14.3 34	114 -8.6 17	94 28.9 42	90 6 47	91 15 45	80 -0.89 33	114 2.03 30	106 0.89 29
BVB 240113 96926217 24113		KT 180026 BVB 160132	131 63	80 61	93 43	106 18	93 37	86 48				127 -1.17 67	105 -0.25 48	92 12 18	80 3.6 61	93 -1.4 43	77 -2 41	73 2.3 58	79 4 15	72 13 11	90 5.1 16	95 0.1 52	97 -5.2 19	94 29.0 40	76 -2 24	79 1 23	87 -0.27 13	99 0.08 12	99 0.38 12
BVB 240118 96943063 24118		SS 190186 BVB 180129	100 61	95 62	126 46	96 24	111 32	108 48	77 40	100 46	89 32	110 0.21 66	65 1.27 42	101 20 24	95 12.0 62	126 8.7 46	116 94 44	104 26.3 60	87 41 40	87 -5 35	93 6.5 42	110 -11.8 34	116 -9.2 17	93 28.4 44	90 6 47	89 13 45	82 -0.75 33	116 2.31 30	106 0.95 29

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Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling		
ID Number Name																															
BVB 240120	KT 180026	97037980	24120	BVB 180115	113 62	91 60	99 41	103 20	88 39	89 48		113 0.01 66	97 0.03 47	95 14 20	91 9.6 60	99 0.5 41	92 34 40	82 9.0 57	91 59 15	84 -1 11	97 9.0 17	86 7.0 53	96 -5.0 19	93 28.6 45	91 7 17	92 16 17	99 0.68 13	91 -0.90 12	89 -0.48 12		
BVB 240126	HHH 200013	96969902	24126	BVB 200102	107 58	94 60	102 41	99 9	107 28	100 44		106 0.60 63	103 -0.18 37	99 19 9	94 11.5 60	102 1.5 41	96 45 37	90 15.5 55	91 55 14	85 -2 11	95 7.8 15	111 -12.9 28	104 -6.6 15	97 31.2 40	101 12 14	95 19 14	92 0.07 11	111 1.66 10	106 0.91 10		
BVB 240134	HHH 200013	97036677	24134	BVB 200107	111 62	90 59	103 38	102 9	111 35	100 46		111 0.18 66	98 -0.01 46	96 16 9	90 9.4 59	103 1.6 38	94 39 35	89 14.8 54	88 42 19	79 5 11	106 13.8 23	117 -17.2 50	105 -6.7 15	99 32.6 40	100 12 22	93 17 21	88 -0.23 11	111 1.61 10	105 0.86 10		
BVB 240136	SS 190186	97037964	24136	BVB 170114	114 60	104 63	112 47	90 25	123 38	122 49	94 38	115 47	99 32	110 0.28 65	104 16.7 63	112 4.3 47	109 76 45	95 19.1 61	96 80 38	86 -3 35	109 15.2 39	125 -23.8 54	123 -10.5 17	95 29.4 44	102 13 43	102 26 42	91 0.02 33	115 2.07 30	108 1.11 29		
BVB 240139	SS 190186	97082440	24139	BVB 140126	87 61	109 64	124 49	89 25	112 32	116 49	98 38	111 47	104 32	91 1.92 66	93 0.20 43	109 28 25	109 19.8 64	124 7.9 49	124 111 46	104 26.6 62	102 105 38	91 -9 35	113 17.2 39	110 -11.9 36	118 -9.6 17	93 28.1 42	111 19 47	108 33 46	94 0.27 33	116 2.19 30	109 1.12 29
BVB 240140	KT 180026	97084578	24140	BVB 170121	121 59	77 60	94 40	110 18	99 32	82 46		73 12	120 -0.65 64	96 0.10 37	89 9 18	77 2.1 60	94 -1.1 40	76 -4 39	70 0.0 57	77 -3 15	71 15 11	88 3.9 16	105 -7.9 32	99 -5.5 19	93 27.9 44	75 -3 16	77 -1 16	84 -0.57 13	99 0.04 12	99 0.31 12	
BVB 240142	KTZ 120010	97407753	KTZ12010 24142	BVB 220126	103 61	90 63	101 47	108 26	93 37	88 50	87 50	84 50	89 30	108 0.45 66	85 0.53 42	90 10 26	90 9.2 63	101 0.9 47	94 40 45	95 19.3 50	103 108 63	102 -22 30	93 6.7 40	98 -2.6 41	98 -5.4 22	85 22.9 49	102 13 74	99 24 70	92 0.15 31	117 2.33 28	89 -0.50 28
BVB 240144	KTZ 120010	97415947	KTZ12010 24144	BVB 220128	114 62	97 64	101 49	91 32	98 39	100 51	113 50	100 51	99 30	115 -0.16 67	93 0.21 44	110 28 32	97 13.2 64	101 1.1 49	95 42 48	100 23.4 50	91 58 63	64 23 30	98 9.2 40	105 -7.6 47	98 -5.5 23	89 25.5 48	99 11 74	99 24 70	92 0.07 31	120 2.81 28	101 0.48 28
BVB 240151	KTZ 120010	97480362	KTZ12010 24151	BVB 220207	101 62	80 63	91 48	126 20	102 36	79 49	92 50	77 49	86 30	109 0.33 67	72 1.00 43	79 -1 20	80 3.8 63	91 -2.0 48	79 4 44	91 16.0 49	94 71 63	83 0 30	87 3.2 40	110 -11.9 40	99 -5.7 21	90 26.3 48	82 1 74	81 3 70	84 -0.59 31	127 3.65 28	109 1.19 28
BVB 240154	KTZ 120010	97512826	KTZ12010 24154	BVB 220113	102 85	114 85	108 82	94 80	90 81	112 78	120 83	112 79	122 80	104 0.79 86	93 0.20 82	104 23 80	114 22.1 85	108 3.0 82	117 95 82	120 38.5 82	122 187 84	117 -40 80	107 14.2 81	85 7.9 83	94 -4.7 79	103 35.1 82	111 19 87	117 43 86	113 1.83 80	120 2.77 79	110 1.21 79
BVB 240155	KTZ 120010	97547525	KTZ12010 24155	BVB 220104	109 67	103 64	96 49	100 33	100 45	104 53	99 50	101 52	104 30	108 0.45 70	101 -0.11 53	99 18 33	103 16.4 64	96 -0.5 49	99 53 49	107 28.3 50	108 127 63	111 -33 30	96 8.3 44	102 -5.3 60	101 -5.9 24	96 30.0 52	99 12 74	97 21 70	97 0.51 32	126 3.60 29	111 1.32 28
BVB 240156	KTZ 120010	97547533	KTZ12010 24156	BVB 220245	98 62	105 63	104 48	95 20	99 36	104 49	104 50	102 49	111 30	103 0.84 67	85 0.52 43	104 23 20	105 17.4 63	104 2.0 48	106 69 44	109 30.3 49	107 123 63	91 -9 30	107 14.0 40	100 -3.8 40	108 -7.3 21	88 25.0 48	99 11 74	108 33 70	107 1.32 31	130 4.05 28	116 1.70 28

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Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
BVB 240157 97574479 KTZ12010 24157		KTZ 120010 BVB 220252	121 62	87 63	100 48	107 20	101 36	96 49	95 50	92 49	91 30	123 -0.83 67	87 0.43 43	91 11 20	87 7.8 63	100 0.7 48	90 31 44	91 16.3 49	89 50 63	75 10 30	92 6.2 40	105 -7.7 40	104 -6.6 21	90 26.4 48	90 6 74	89 13 70	85 -0.47 31	129 3.91 28	112 1.40 28
BVB 240158 97599559 KTZ12010 24158		KTZ 120010 BVB 220124	128 65	102 63	107 48	94 20	107 42	118 51	99 50	114 51	109 30	124 -0.94 69	106 -0.28 50	105 24 20	102 15.8 63	107 3.0 48	106 68 44	105 26.9 49	107 124 63	104 -24 30	102 11.5 40	108 -10.1 56	110 -7.8 21	95 29.9 49	91 7 74	103 27 70	103 1.03 31	130 4.01 28	115 1.65 28
BVB 240160 97624829 KTZ12010 24160		SS 190186 BVB 220256	95 64	96 62	121 46	99 24	116 37	107 50	79 52	99 50	85 32	100 1.10 68	85 0.50 50	98 17 24	96 12.3 62	121 7.1 46	114 88 44	89 14.8 50	81 13 61	73 12 35	96 8.3 39	118 -17.9 53	117 -9.3 17	94 28.8 41	80 0 74	84 7 70	76 -1.22 33	116 2.22 30	106 0.93 29
BVB 240161 97656961 SS19186 24161		SS 190186 BVB 220105	83 62	105 63	120 47	81 34	102 35	102 50	97 53	99 51	97 32	88 2.17 67	92 0.26 43	121 39 34	105 17.5 63	120 6.9 47	113 86 48	103 25.8 50	102 103 62	99 -18 35	103 11.8 43	100 -3.5 43	108 -7.4 20	96 30.1 43	111 19 74	102 27 70	85 -0.44 33	112 1.68 30	105 0.80 29
BVB 240162 97744858 SS19186 24162		SS 190186 BVB 220237	87 60	97 61	117 43	101 24	110 30	102 47	77 52	94 48	90 32	93 1.73 65	86 0.48 39	96 16 24	97 13.2 61	117 6.0 43	113 86 43	94 18.1 50	92 60 61	90 -9 35	99 9.8 39	112 -13.2 34	115 -8.9 17	89 25.8 40	81 1 74	88 11 70	84 -0.54 33	115 2.19 30	106 0.91 29
BVB 240163 97739692 SS19186 24163		SS 190186 BVB 220220	89 60	100 61	119 43	98 24	110 30	106 47	85 52	99 48	94 32	94 1.63 65	88 0.38 39	99 19 24	100 14.9 61	119 6.5 43	116 93 43	96 20.0 50	92 60 61	82 2 35	103 12.0 39	110 -12.1 34	116 -9.1 17	89 25.8 40	89 5 74	95 19 70	86 -0.37 33	116 2.19 30	107 1.01 29
BVB 240170 99560278 24170			121 29									122 -0.81 28	89 0.34 32											88 24.6 15					
BVB 240173 99560534 24173			111 29									116 -0.26 28	80 0.71 32											88 24.6 15					
BVB 240174 99561342 24174			118 29									120 -0.64 28	86 0.46 32											88 24.6 15					
BVB 240177 99561367 24177			113 29									117 -0.37 28	82 0.64 32											88 24.6 15					
BVB 240178 99561276 24178			112 29									116 -0.31 28	81 0.68 32											88 24.6 15					
BVB 240179 99561284 24179			119 29									121 -0.70 28	87 0.42 32											88 24.6 15					

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Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																													
BVB 240182 99561318 24182			110 29									115 -0.21 28	79 0.75 32											88 24.6 15					
BVB 240183 99561326 24183			125 29									125 -1.03 28	93 0.20 32											88 24.6 15					
BVB 250101 98600257 KVS13164 25101	KVS 130164 BVB 200103		110 62	91 65	112 49	94 26	119 37	106 51	74 36	97 48	90 33	115 -0.16 67	82 0.63 41	105 24 26	91 9.9 65	112 4.3 49	99 53 47	87 13.3 52	78 3 39	86 -3 29	95 7.6 42	123 -21.8 40	116 -9.0 22	97 31.1 48	56 -14 74	70 -8 70	85 -0.46 34	81 -2.29 32	87 -0.62 31
BVB 250102 98625502 KVS13164 25102	KVS 130164 BVB 160132		130 61	90 64	109 46	108 20	118 35	114 49	87 35	107 46	89 33	129 -1.41 67	93 0.22 39	89 9 20	90 9.3 64	109 3.4 46	101 57 43	88 14.1 52	89 46 39	86 -4 29	105 13.3 42	120 -19.9 40	117 -9.3 21	95 29.7 43	84 2 74	83 6 70	83 -0.63 34	89 -1.22 32	100 0.45 31
BVB 250104 98632441 KVS13164 25104	KVS 130164 BVB 170126		98 62	111 65	116 50	97 23	116 37	123 51	111 36	120 48	103 33	104 0.74 67	80 0.69 41	100 20 23	111 20.7 65	116 5.7 50	123 111 46	114 34.3 53	113 149 39	106 -27 29	122 22.4 42	116 -17.0 41	117 -9.4 22	94 29.0 47	120 24 74	109 34 71	98 0.60 34	81 -2.22 32	89 -0.49 31
BVB 250105 98632458 KVS13164 25105	KVS 130164 BVB 170148		106 61	98 65	119 48	101 20	119 36	115 50	98 35	111 47	98 33	115 -0.18 67	70 1.10 39	96 16 20	98 13.5 65	119 6.5 48	115 91 44	102 24.6 52	99 90 39	94 -13 29	115 18.3 42	121 -20.3 39	120 -9.8 21	94 29.1 47	99 11 74	94 18 70	91 0.03 34	90 -1.13 32	102 0.61 31
BVB 250108 98727209 KVS13164 25108	KVS 130164 BVB 200101		103 63	92 64	102 46	111 20	121 35	104 49	90 35	99 46	87 33	114 -0.08 68	65 1.29 41	87 7 20	92 10.4 64	102 1.4 46	99 51 43	96 20.0 50	92 59 39	89 -7 29	106 13.8 42	124 -23.1 39	117 -9.3 21	97 31.0 46	93 8 74	85 8 70	81 -0.83 34	89 -1.24 32	100 0.40 31
BVB 250114 98820772 SS19186 25114	SS 190186 BVB 200117		92 61	97 62	116 46	99 24	111 30	103 48	91 38	98 46	91 32	99 1.18 66	80 0.71 42	98 18 24	97 13.0 62	116 5.5 46	110 79 44	96 19.9 50	94 70 38	82 1 35	105 12.9 39	111 -12.6 34	116 -9.0 17	93 28.2 40	104 14 74	98 23 70	83 -0.63 33	115 2.18 30	107 0.98 29
BVB 250115 98820780 SS19186 25115	SS 190186 BVB 210108		97 62	95 62	112 46	102 24	111 30	101 48	80 38	94 46	87 32	101 1.07 67	90 0.33 44	95 15 24	95 11.8 62	112 4.3 46	106 70 44	92 17.1 52	84 27 38	75 9 35	97 8.7 39	112 -13.5 34	115 -8.8 17	91 27.0 40	87 4 74	87 10 70	79 -0.96 33	115 2.14 30	106 0.90 29
BVB 250116 98832611 SS19186 25116	SS 190186 BVB 210112		94 61	93 61	119 44	102 30	103 31	97 48	94 38	94 46	86 32	99 1.19 66	87 0.44 42	95 15 30	93 10.8 61	119 6.4 44	110 79 45	91 16.0 50	96 79 38	84 -1 35	103 11.8 39	106 -8.4 34	112 -8.2 17	82 20.9 42	107 16 74	99 24 70	81 -0.81 33	107 1.04 30	92 -0.25 29
BVB 250118 98866833 SS19186 25118	SS 190186 BVB 170113		89 61	102 64	119 49	88 27	114 33	108 50	99 38	104 48	96 32	95 1.55 66	86 0.49 43	111 30 27	102 15.9 64	119 6.6 49	113 86 47	101 24.2 53	98 87 38	81 3 35	110 15.8 39	115 -15.8 37	114 -8.7 18	95 29.5 43	111 19 74	106 31 70	87 -0.31 33	116 2.21 30	108 1.10 29
BVB 250119 98929649 SS19186 25119	SS 190186 BVB 140126		91 61	99 64	127 49	95 25	112 31	109 49	93 38	104 47	95 32	95 1.57 66	92 0.25 43	102 21 25	99 14.2 64	127 8.9 49	120 103 46	95 19.5 53	97 83 38	88 -6 35	106 13.8 39	113 -14.3 36	116 -9.1 17	91 27.1 40	108 17 74	101 25 70	86 -0.42 33	115 2.11 30	106 0.95 29

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Animal				Selection Values							Birth		Wean				Growth			Fertility				Frame		Carcass				
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
BVB 250121 99051450 HARRIS 25121		SS 210095	BVB 230101	98 84	119 84	112 80	79 78	128 79	131 77	107 79	127 77	111 79	98 1.26 85	101 -0.11 79	124 42 78	119 25.0 84	112 4.2 80	117 95 81	116 35.7 81	110 138 79	109 -30 78	114 18.1 80	126 -24.5 79	114 -8.7 78	118 45.0 80	104 14 80	109 35 80	102 0.94 79	100 0.15 79	108 1.09 79
BVB 250122 99056392 HARRIS 25122		SS 210095 SS 230004		95 86	123 86	116 82	94 81	119 81	136 79	108 82	131 80	114 82	92 1.77 87	113 -0.57 82	104 23 81	123 27.3 86	116 5.5 82	132 133 83	124 42.0 84	109 133 82	100 -20 81	126 24.3 82	124 -22.6 82	106 -7.0 80	110 39.7 82	103 14 82	116 42 82	109 1.51 82	98 -0.10 81	104 0.77 81
BVB 250123 99069577 HARRIS 25123		SS 210095 BVB 230123		122 62	84 66	106 40	113 20	112 30	101 48	78 24	94 43	73 31	119 -0.56 69	100 -0.09 35	85 5 20	84 5.9 66	106 2.6 40	94 41 42	86 12.1 50	81 15 31	79 4 13	97 8.5 37	124 -23.3 33	94 -4.6 17	104 35.9 40	76 -2 39	80 3 37	83 -0.66 33	91 -0.96 29	93 -0.13 28
BVB 250124 99071276 HARRIS 25124		SS 210095 BVB 230103		106 84	111 84	114 80	87 78	109 79	120 77	102 79	116 77	106 79	107 0.47 85	95 0.13 79	113 31 78	111 20.5 84	114 4.9 80	116 92 81	112 32.6 81	104 111 79	99 -19 78	117 19.5 80	113 -14.0 78	99 -5.6 78	107 37.8 80	107 16 80	113 38 80	101 0.82 79	107 1.05 79	110 1.22 79
BVB 250125 99071284 HARRIS 25125		SS 210095 BVB 230106		115 83	105 84	116 80	105 78	120 79	127 77	100 79	121 77	97 79	110 0.25 84	113 -0.57 79	92 12 78	105 17.2 84	116 5.6 80	120 104 81	107 28.3 81	99 89 79	94 -13 78	110 15.8 80	127 -25.5 79	104 -6.6 78	109 39.4 80	94 9 80	101 26 80	92 0.09 79	103 0.52 79	108 1.07 79
BVB 250130 99122368 HARRIS 25130	1 	SS 210095 SS 230016		122 86	115 86	102 82	91 80	101 81	124 79	101 82	119 80	107 82	120 -0.60 87	137 -1.52 82	110 28 80	115 22.9 86	102 1.4 82	112 82 83	112 32.1 83	102 105 81	99 -19 81	121 21.9 82	97 -1.3 82	95 -4.9 80	115 43.1 82	93 8 82	108 33 82	104 1.06 82	103 0.62 81	113 1.48 81
BVB 250131 99145302 HARRIS 25131		SS 210095 SS 230043		111 86	110 86	116 82	99 80	126 81	132 79	106 80	127 79	108 81	109 0.32 87	102 -0.15 81	98 18 80	110 20.3 86	116 5.7 82	123 111 83	108 29.4 82	108 129 81	108 -30 80	127 25.0 82	127 -25.3 81	117 -9.2 80	108 38.4 82	95 9 82	108 34 81	94 0.27 81	96 -0.26 81	118 1.88 81
BVB 250133 99189698 HARRIS 25133		SS 210095 SS 230014		114 86	115 86	93 82	106 80	122 81	128 79	105 81	124 79	109 81	109 0.31 87	126 -1.09 82	93 12 80	115 22.9 86	93 -1.5 82	110 80 83	109 30.4 83	107 124 81	101 -21 80	114 18.0 82	118 -17.8 81	114 -8.6 80	115 43.3 82	96 9 82	108 33 82	106 1.27 81	102 0.51 81	114 1.59 81
BVB 250139 99320665 HARRIS 25139		SS 210095 SS 230024		88 86	119 86	105 82	101 81	117 81	124 79	102 82	119 80	108 82	83 2.55 87	123 -0.95 82	97 17 81	119 25.1 86	105 2.2 82	122 109 83	113 33.5 83	104 111 82	97 -17 81	117 19.7 82	110 -11.7 82	113 -8.4 80	116 43.8 82	97 10 82	109 35 82	109 1.52 82	103 0.57 81	108 1.06 81
BVB 250144 99168494 KVS13164 25144		KVS 130164 BVB 220103		88 84	125 85	120 81	87 79	125 81	137 78	128 80	136 78	120 80	92 1.80 85	91 0.26 80	112 31 79	125 28.3 85	120 6.8 81	133 135 82	128 44.7 82	125 203 81	121 -45 80	134 29.0 81	110 -11.6 81	130 -11.9 79	114 42.4 82	127 28 82	120 46 82	89 -0.18 80	95 -0.40 80	100 0.39 80
BVB 250145 99168502 KVS13164 25145		KVS 130164 BVB 220245		117 61	94 64	117 46	104 20	120 35	116 49	96 37	111 47	94 33	121 -0.72 67	80 0.70 39	92 12 20	94 11.4 64	117 5.9 46	111 81 43	96 20.2 50	96 80 41	91 -9 29	112 16.8 42	122 -21.3 39	119 -9.6 21	95 29.5 45	96 10 47	92 16 46	88 -0.24 34	89 -1.19 32	101 0.53 31
BVB 250148 99189706 KVS13164 25148		KVS 130164 BVB 220105		103 62	111 65	113 47	80 32	111 39	118 51	112 38	116 48	108 34	108 0.41 67	82 0.63 40	122 40 32	111 20.5 65	113 4.5 47	111 81 48	114 33.7 50	113 152 42	112 -34 30	118 20.2 45	108 -10.0 46	113 -8.4 24	101 33.5 48	114 20 48	106 30 47	97 0.52 35	86 -1.59 33	101 0.52 32

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Animal				Selection Values							Birth		Wean				Growth			Fertility				Frame		Carcass				
Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name																														
BVB 250150 99216814 KVS13164 25150		KVS 130164 BVB 220113		91 85	120 85	121 82	96 80	120 81	133 78	121 81	132 79	115 80	95 1.54 86	90 0.34 81	101 20 80	120 25.7 85	121 7.2 82	136 141 82	121 39.7 82	119 175 81	116 -39 80	122 22.4 82	118 -17.8 82	115 -8.9 79	109 39.3 82	112 19 82	114 39 82	98 0.58 81	80 -2.42 80	99 0.31 80
BVB 250152 99293474 HARRIS 25152		SS 210095 BVB 220234		117 60	105 63	124 39	89 12	114 22	125 45	97 26	119 41	106 30	113 -0.05 67	106 -0.28 31	109 28 12	105 17.6 63	124 7.9 39	120 103 38	99 22.7 41	103 109 33	91 -9 12	125 23.9 40	116 -16.3 19	109 -7.6 11	102 34.3 35	108 17 41	111 37 39	113 1.84 32	107 1.08 29	113 1.51 28
BVB 250153 99312001 HARRIS 25153		SS 210095 BVB 220252		119 60	96 63	111 39	100 12	114 22	114 45	88 26	107 41	90 30	117 -0.33 67	103 -0.18 31	98 17 12	96 12.7 63	111 4.1 39	106 69 38	93 17.6 41	87 40 33	73 11 12	112 16.6 36	120 -19.7 19	106 -6.9 11	101 33.7 35	93 8 41	94 18 39	97 0.51 32	106 0.91 29	110 1.26 28
BVB 250155 99332025 HARRIS 25155		SS 210095 BVB 220107		121 83	107 83	100 79	97 77	115 78	122 76	104 78	117 76	101 78	115 -0.21 84	113 -0.57 78	102 21 77	107 18.5 83	100 0.9 79	106 68 80	109 29.8 80	104 110 79	100 -20 77	112 17.0 79	115 -15.5 78	109 -7.6 77	108 38.2 80	97 10 79	102 27 79	100 0.80 79	97 -0.18 78	105 0.83 78
BVB 250156 99388571 HARRIS 25156		SS 210095 BVB 220108		118 60	92 62	110 37	89 20	112 26	105 45	78 24	97 41	82 30	115 -0.16 67	104 -0.24 32	110 29 20	92 10.4 62	110 3.8 37	97 48 40	89 14.9 41	83 25 31	78 6 12	103 12.1 37	121 -20.6 30	102 -6.2 11	97 31.1 36	82 1 38	86 9 36	93 0.19 32	97 -0.20 29	94 -0.03 28
BVB 250157 99446387 HARRIS 25157		SS 210095 BVB 220129		108 58	97 63	113 39	100 12	114 22	110 44	86 24	104 40	90 30	108 0.41 66	96 0.08 27	97 17 12	97 13.2 63	113 4.5 39	108 74 38	94 18.5 40	89 46 30	77 7 12	112 16.7 36	120 -19.9 19	105 -6.9 11	102 34.2 35	92 7 37	94 18 35	98 0.60 32	106 0.92 29	110 1.24 28
BVB 250160 99485377 HARRIS 25160		SS 210095 SS 230012		114 65	101 69	97 43	127 27	105 32	111 51	86 34	104 48	87 38	110 0.28 72	111 -0.50 37	78 -2 27	101 15.0 69	97 -0.3 43	106 68 46	99 22.3 51	88 42 39	86 -3 26	102 11.7 44	106 -8.7 36	95 -4.7 18	113 41.6 42	78 -1 45	89 13 43	84 -0.59 40	104 0.67 37	105 0.80 36
BVB 260101 6020320815 MSILI 26101		BVB 200103		103 23	79 23	111 32	97 20	88 11	76 20				109 0.35 23	79 0.74 25	101 20 20	79 3.2 23	111 4.2 32	89 27 25	72 1.7 20	73 -22 7		85 2.3 8	98 -2.1 12		73 14.4 17	76 -2 19	74 -3 18			
BVB 260103 6020732068 HARRIS 26103		SS 210095 BVB 240183		140 58	89 45	112 28	98 12	114 21	115 36	88 24	108 34	92 30	134 -1.80 66	107 -0.34 27	99 18 12	89 8.7 45	112 4.5 28	100 54 28	87 12.8 32	91 55 30	79 5 12	114 17.8 36	120 -19.8 19	105 -6.9 11	101 33.8 32	94 9 37	97 21 35	100 0.76 32	106 0.94 29	111 1.28 28
BVB 260105 6020738610 HARRIS 26105		SS 210095 BVB 240179		133 58	91 45	113 28	98 12	114 21	115 36	88 24	108 34	92 30	128 -1.29 66	104 -0.24 27	99 18 12	91 9.8 45	113 4.8 28	102 60 28	89 14.4 32	91 55 30	79 5 12	114 17.8 36	120 -19.8 19	105 -6.9 11	101 33.8 32	94 9 37	97 21 35	100 0.76 32	106 0.94 29	111 1.28 28
BVB 260107 6020748668 KVS13164 26107		KVS 130164 BVB 240158		126 64	106 57	109 44	96 22	122 40	129 48	112 44	126 47	111 36	126 -1.11 70	93 0.21 41	102 21 22	106 17.9 57	109 3.4 44	112 82 41	112 32.1 48	114 155 50	115 -38 33	116 19.0 46	121 -20.7 48	120 -9.8 24	102 34.2 47	101 13 57	103 28 55	95 0.36 38	96 -0.36 35	104 0.72 34
BVB 260109 6020753056 HARRIS 26109		SS 210095 BVB 240182		121 58	94 45	115 28	98 12	114 21	114 36	88 24	107 34	92 30	119 -0.53 66	100 -0.09 27	99 18 12	94 11.5 45	115 5.2 28	106 70 28	92 16.8 32	91 55 30	79 5 12	114 17.8 36	120 -19.8 19	105 -6.9 11	101 33.8 32	94 9 37	97 21 35	100 0.76 32	106 0.94 29	111 1.28 28

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Index EBV Acc		Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
BVB 260110	SS 210095 6020753064 HARRIS 26110	125 58	93 45	114 28	98 12	114 21	114 36	88 24	107 34	92 30	122 -0.78 66	102 -0.14	99 18 12	93 11.0 45	114 5.0 28	105 67 28	91 16.1 32	91 55 30	79 5 12	114 17.8 36	120 -19.8 19	105 -6.9 11	101 33.8 32	94 9 37	97 21 35	100 0.76 32	106 0.94 29	111 1.28 28
BVB 260114	SP 230075 6020797152 MAKHONYANE 26114	103 54	106 35	109 27	92 15	116 23	115 32	97 20	110 30	107 17	105 0.72 61	96 0.07 25	108 26 15	106 17.8 35	109 3.5 27	109 77 26	100 23.2 16	100 95 18	88 -5 19	114 18.2 21	114 -14.7 25	117 -9.3 14	99 32.2 29	102 13 22	105 30 21	107 1.33 18	118 2.51 16	116 1.70 16
BVB 260123	SS 210095 6020748676 HARRIS 26123	123 61	95 48	116 38	98 12	117 23	116 40	91 26	110 37	93 30	120 -0.59 68	104 -0.24 34	100 19 12	95 11.7 48	116 5.4 38	107 72 33	92 16.9 36	91 55 33	75 9 12	128 25.5 40	122 -21.5 22	106 -7.1 11	103 35.1 35	98 11 41	99 24 39	100 0.77 32	106 0.94 29	111 1.31 28
BVB 260126	KTZ 120010 6020836968 KTZ12010 26126	96 64	108 57	104 49	87 26	108 41	108 49	106 41	106 47	111 34	100 1.15 69	89 0.35 46	114 32 26	108 19.0 57	104 2.0 49	105 67 44	111 32.0 51	110 140 45	108 -29 34	100 10.5 45	108 -9.9 48	109 -7.6 25	98 31.6 49	95 9 50	104 28 49	96 0.45 35	124 3.34 32	106 0.94 31
BVB 260129	KTZ 120010 6020857600 KTZ12010 26129	90 64	109 53	102 47	93 23	109 38	108 46	108 40	106 45	113 34	96 1.43 69	83 0.58 45	106 25 23	109 19.8 53	102 1.4 47	108 73 41	114 34.3 46	112 146 45	106 -27 34	106 13.4 45	107 -9.6 44	112 -8.1 23	98 31.8 48	101 12 49	108 33 48	95 0.33 35	136 4.83 32	124 2.34 31
BVB 260132	KTZ 120010 6020866437 KTZ12010 26132	99 52	103 53	99 47	96 23	111 38	105 44	103 40	102 43	109 34	105 0.69 54	82 0.63 43	103 22 23	103 16.2 53	99 0.4 47	100 55 41	108 29.2 45	106 122 45	99 -19 34	103 12.2 45	110 -11.7 44	112 -8.3 23	99 32.0 48	96 10 49	103 28 48	92 0.12 35	137 5.00 32	126 2.52 31
BVB 260134	KTZ 120010 6020861420 KTZ12010 26134	113 68	108 58	91 50	99 29	88 41	103 50	110 42	103 48	110 36	109 0.30 73	107 -0.34 47	101 20 29	108 19.0 58	91 -2.1 50	99 52 46	112 32.6 48	112 148 46	107 -28 34	99 10.0 47	85 7.9 45	92 -4.1 26	102 34.7 51	90 6 50	104 28 49	94 0.26 38	123 3.10 35	103 0.68 34

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value Acc		Calf Growth Value Acc		Milk Value Acc		Maint. Value Acc		Fertility Value Acc		Cow Value Acc		Growth Value Acc		Prod Value Acc			
										★★★★★																		
1	SP	230075	MAKONYANE	SP 180045	SP 170099	0.0	HH	1	0	0		96	85	130	87	102	83	81	80	127	82	139	79	122	81	137	79	
2	SS	210095	HARRIS	20145305	SS 130009	0.0	HH	0	0	0		132	95	107	95	113	91	93	89	124	90	134	87	103	90	128	88	
										★★★★★																		
1	BVB	240147	KTZ12010 24147	KTZ 120010	BVB 220103	0.2	HH	0	0	0		96	84	116	84	99	81	87	78	105	80	114	77	129	82	116	78	
2	BVB	240152	KTZ12010 24152	KTZ 120010	BVB 220101	0.2	HH	0	0	0		133	84	104	84	90	81	93	78	106	80	114	77	98	82	110	78	
										★★★★☆																		
1	BVB	240145	KTZ12010 24145	KTZ 120010	BVB 220234	0.0						102	62	103	63	114	48	90	20	101	36	107	49	103	50	105	49	
2	BVB	240146	KTZ12010 24146	KTZ 120010	BVB 220115	0.1						100	63	106	65	91	50	102	33	103	41	103	52	100	50	100	52	
3	BVB	240165	SS19186 24165	SS 190186	BVB 220129	0.0						95	45	93	62	116	46	100	24	112	30	101	45	85	38	96	44	
										★★★★																		
1	BVB	240148	KTZ12010 24148	KTZ 120010	BVB 220221	0.0						105	62	95	62	102	45	99	20	101	36	96	49	107	50	95	49	

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc		
							nt821	Q204X	F94L	Genomic tested	★★★★★☆☆									
1	BVB 220113	22113	SS 190186	BVB 190113	0.0	HH	1	0	0	🇬🇪	93 85	111 84	130 84	98 83	105 82	122 78	108 82	118 79		
2	BVB 240136	24136	SS 190186	BVB 170114	0.0						114 60	104 63	112 47	90 25	123 38	122 49	94 38	115 47		
3	SS 230004	SS230004	SS 180019	RS 150020	6.4	PcH	0	0	0	🇬🇪🇯🇪	89 88	130 88	103 86	95 84	103 84	127 81	113 84	125 82		
4	SS 230014	SS230014	SS 180019	JO 130001	0.5	HH	0	0	0	🇬🇪🇯🇪	87 86	124 86	88 84	112 81	119 82	124 79	110 81	121 79		
5	SS 230016	SS230016	SS 180019	SS 160010	0.5	HH	0	0	0	🇬🇪🇯🇪	84 88	139 88	94 87	81 84	91 85	124 81	120 84	123 82		
6	SS 230024	SS230024	SS 180019	SS 160053	1.4	HH	1	0	0	🇬🇪🇯🇪	88 88	129 88	98 86	95 84	111 85	128 81	113 84	125 82		
											★★★★★									
1	BVB 230101	23101	SS 190186	BVB 200103	0.0						82 58	107 66	120 58	79 30	118 41	111 52	89 38	105 49		
2	BVB 230109	23109	SS 190186	BVB 200102	0.0						102 54	96 64	120 48	97 24	117 38	110 49	88 38	104 47		
3	BVB 240107	24107	SS 190186	BVB 200112	0.0						107 60	102 61	121 43	91 24	110 31	116 47	95 38	111 45		
4	BVB 240108	EDE 24108	SS 190186	BVB 210106	0.0						144 61	85 62	113 46	105 24	112 31	113 48	87 40	106 46		
5	BVB 240139	24139	SS 190186	BVB 140126	0.0						87 61	109 64	124 49	89 25	112 32	116 49	98 38	111 47		
6	BVB 240154	KTZ12010 24154	KTZ 120010	BVB 220113	0.2	HH	0	0	0	🇬🇪🇯🇪	102 85	114 85	108 82	94 80	90 81	112 78	120 83	112 79		
7	BVB 240158	KTZ12010 24158	KTZ 120010	BVB 220124	0.0						128 65	102 63	107 48	94 20	107 42	118 51	99 50	114 51		
											★★★★★☆☆									
1	BVB 240102	24102	SS 190186	BVB 210102	0.0						112 64	97 62	116 46	98 24	104 37	109 50	94 40	104 48		
2	BVB 240104	24104	SS 190186	BVB 210101	0.0						108 60	99 61	117 44	98 29	104 31	109 47	90 38	103 45		
3	BVB 240118	24118	SS 190186	BVB 180129	0.0						100 61	95 62	126 46	96 24	111 32	108 48	77 40	100 46		
4	BVB 240126	24126	HHH 200013	BVB 200102	0.0						107 58	94 60	102 41	99 9	107 28	100 44				
5	BVB 240134	24134	HHH 200013	BVB 200107	0.0						111 62	90 59	103 38	102 9	111 35	100 46				
6	BVB 240144	KTZ12010 24144	KTZ 120010	BVB 220128	0.0						114 62	97 64	101 49	91 32	98 39	100 51	113 50	100 51		
7	BVB 240155	KTZ12010 24155	KTZ 120010	BVB 220104	0.1						109 67	103 64	96 49	100 33	100 45	104 53	99 50	101 52		
8	BVB 240156	KTZ12010 24156	KTZ 120010	BVB 220245	0.0						98 62	105 63	104 48	95 20	99 36	104 49	104 50	102 49		
9	BVB 240160	KTZ12010 24160	SS 190186	BVB 220256	0.0						95 64	96 62	121 46	99 24	116 37	107 50	79 52	99 50		
10	BVB 240161	SS19186 24161	SS 190186	BVB 220105	0.4						83 62	105 63	120 47	81 34	102 35	102 50	97 53	99 51		
11	BVB 240162	SS19186 24162	SS 190186	BVB 220237	0.0						87 60	97 61	117 43	101 24	110 30	102 47	77 52	94 48		
12	BVB 240163	SS19186 24163	SS 190186	BVB 220220	0.0						89 60	100 61	119 43	98 24	110 30	106 47	85 52	99 48		
13	SS 230066	SS230066	SS 170150	CR 120045	0.4	HH	0	0	0	🇬🇪🇯🇪	115 86	106 86	93 84	102 81	79 81	100 79	98 81	97 79		

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
						nt821	Q204X	F94L	Genomic tested									
1	BVB 170126	17126	BVB 140126	0.0						99 47	89 49	125 66	104 41	95 25	96 43			
2	BVB 220104	22104	J 170013 BVB 180101	0.0						110 53	90 45	107 58	107 48	96 41	95 45	83 22	89 40	
3	BVB 220115	22115	J 170013 BVB 170131	0.0						104 47	91 46	96 59	127 48	108 40	97 44	82 22	91 40	
4	BVB 230110	23110	SS 190186 BVB 200115	0.0						91 59	97 64	109 49	112 30	94 39	95 50	88 40	90 48	
5	BVB 230120	23120	VV 180139 BVB 170101	0.0						104 46	100 61	103 52	81 31	91 39	94 47			
6	BVB 240157	KTZ12010 24157	KTZ 120010 BVB 220252	0.0						121 62	87 63	100 48	107 20	101 36	96 49	95 50	92 49	
7	SS 230012	SS230012	SS 180019 SS 150077	0.7	HH	0	0	0		84 87	117 87	74 86	136 83	85 83	98 80	94 83	95 81	
1	BVB 200115	20115	BVB 140105	0.0						113 51	78 45	97 63	146 31	85 22	81 41			
2	BVB 220105	22105	J 170013 BVB 180104	0.0						89 47	96 45	119 58	68 48	86 40	86 44	89 22	83 40	
3	BVB 220128	22128	BVB 170113	0.0						117 44	80 41	117 58	87 64	98 31	88 41			
4	BVB 230123	23123	KT 180026 BVB 170126	0.0						104 56	87 65	87 57	109 31	99 42	83 52			
5	BVB 230124	23124	KT 180026 BVB 170113	0.0						117 56	79 64	109 56	90 33	105 42	87 51			
6	BVB 240113	24113	KT 180026 BVB 160132	0.0						131 63	80 61	93 43	106 18	93 37	86 48			
7	BVB 240120	24120	KT 180026 BVB 180115	0.0						113 62	91 60	99 41	103 20	88 39	89 48			
8	BVB 240140	24140	KT 180026 BVB 170121	0.0						121 59	77 60	94 40	110 18	99 32	82 46			
9	BVB 240142	KTZ12010 24142	KTZ 120010 BVB 220126	0.0						103 61	90 63	101 47	108 26	93 37	88 50	87 50	84 50	
1	BVB 200103	20103	BVB 160103	0.0						101 46	78 47	112 65	82 38	102 22	77 41			
2	BVB 220108	22108	BVB 160103	0.0						118 44	76 32	104 47	81 38	98 25	78 34			
3	BVB 230104	23104	KT 180026 BVB 150124	0.0						107 47	82 62	101 52	93 31	85 39	75 48			
4	BVB 240151	KTZ12010 24151	KTZ 120010 BVB 220207	0.0						101 62	80 63	91 48	126 20	102 36	79 49	92 50	77 49	

Selection List on Cow Value

Bull Calves younger than 2 years

ID Sorted on ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin			Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
											★★★★★★								
1	BVB 250127	HARRIS 25127	SS 210095	BVB 230127	0.1	HH	0	0	0		121 83	112 84	112 79	85 77	119 79	131 76	112 78	128 76	
2	BVB 250146	KVS13164 25146	KVS 130164	BVB 220101	0.4	HH	0	0	0		116 84	113 84	112 81	87 78	125 80	133 77	119 80	131 78	
3	BVB 250149	KVS13164 25149	KVS 130164	BVB 220124	0.0	HH	0	0	0		105 83	119 83	119 80	90 78	125 79	138 76	119 79	135 77	
											★★★★★								
1	BVB 250110	KVS13164 25110	KVS 130164	BVB 210106	0.0						117 61	99 64	113 46	100 20	121 35	120 49	120 50	119 49	
2	BVB 250120	HARRIS 25120	SS 210095	BVB 230135	0.1	HH	0	0	0		116 83	111 83	110 80	87 78	117 79	127 76	111 79	124 77	
3	BVB 250126	HARRIS 25126	SS 210095	SS 230066	3.3						126 65	112 69	101 42	93 22	102 29	123 50	107 32	120 46	
4	BVB 250132	HARRIS 23132	SS 210095	BVB 230111	0.2	HH	0	0	0		141 83	100 83	97 79	88 77	120 78	121 76	100 77	116 76	
5	BVB 250140	HARRIS 25140	SS 210095	SS 230033	0.1	HH	1	0	0		104 86	117 86	101 82	93 80	106 81	121 79	105 80	118 79	
6	BVB 260102	HARRIS 26102	SS 210095	BVB 240136	0.1						124 51	105 55	113 36	91 17	124 28	129 41	98 30	122 39	
7	BVB 260106	HARRIS 26106	SS 210095	BVB 240160	0.1						107 63	104 55	118 36	96 17	120 28	121 43	91 36	114 42	
8	BVB 260113	KVS13164 26113	KVS 130164	BVB 240155	0.4						118 64	106 57	103 44	99 26	118 41	122 48	112 44	119 47	
9	BVB 260115	HARRIS 26115	SS 210095	BVB 240154	0.9						124 63	108 56	110 37	94 20	107 31	124 45	111 36	121 43	
10	BVB 260118	MAKONYANE 26118	SP 230075	BVB 240102	0.1						108 58	112 47	109 35	89 20	115 29	124 40	108 28	120 38	
											★★★★★								
1	BVB 250109	KVS13164 25109	KVS 130164	BVB 210102	0.0						112 61	97 64	116 46	101 20	118 36	115 49	117 50	115 49	
2	BVB 250113	SS19186 25113	SS 190186	BVB 200107	0.0						101 62	99 62	117 46	92 24	114 31	111 48	102 52	107 49	
3	BVB 250129	HARRIS 25129	SS 210095	BVB 230124	0.1						131 62	96 66	108 40	88 21	115 30	115 48	98 24	111 43	
4	BVB 250135	HARRIS 25135	SS 210095	BVB 230120	0.2						119 60	102 66	108 39	87 20	108 29	114 48	101 24	110 43	
5	BVB 250147	KVS13164 25147	KVS 130164	BVB 220104	0.2						114 63	100 65	110 47	102 32	117 40	116 52	104 38	113 49	
6	BVB 250151	HARRIS 25151	SS 210095	BVB 220115	0.2	HH	0	0	0		121 83	91 84	107 80	112 79	125 79	113 77	89 79	107 77	
7	BVB 250154	HARRIS 25154	SS 210095	BVB 220132	0.0						108 60	97 63	122 40	112 27	107 22	113 46	94 26	107 42	
8	BVB 250158	HARRIS 25158	SS 210095	BVB 220256	0.0						106 60	102 63	117 39	92 12	116 23	116 45	93 26	110 41	
9	BVB 260108	HARRIS 26108	SS 210095	BVB 240134	0.4						122 62	99 54	108 34	97 12	118 27	117 42	94 25	112 39	
10	BVB 260120	HARRIS 26120	SS 210095	BVB 210108	0.0						120 60	94 48	108 38	103 12	114 21	110 39	82 24	103 36	
11	BVB 260121	HARRIS 26121	SS 210095	BVB 210107	0.0						131 60	92 48	114 38	98 12	114 21	114 39	88 24	107 36	
12	BVB 260125	KTZ12010 26125	KTZ 120010	SS 230016	0.3						98 68	124 59	91 51	88 32	94 43	115 51	121 44	116 50	
13	BVB 260131	HARRIS 26131	SS 210095	BVB 200102	0.0						120 61	96 50	117 41	97 12	116 23	117 41	89 24	110 38	

Selection List on Cow Value
Bull Calves younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin nt821 Q204X F94L Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
							★★★★								
14	BVB 260133	KTZ12010 26133	KTZ 120010	SS 230024	0.4		9068	11959	9351	9532	10543	11351	11844	11350	
							★★★★☆								
1	BVB 250103	KVS13164 25103	KVS 130164	BVB 170122	0.0		11961	9165	10248	10820	11936	10850	11050	10750	
2	BVB 250136	HARRIS 25136	SS 210095	BVB 230104	0.1		11560	9866	10639	9120	10529	10648	9424	10143	
3	BVB 250143	KVS13164 25143	KVS 130164	BVB 220207	0.0		12161	8864	9546	11120	12135	10449	9437	10047	
4	BVB 260124	KTZ12010 26124	KTZ 120010	BVB 230110	0.2		9265	10657	9946	10326	9640	10048	10541	9847	
5	BVB 260127	HARRIS 26127	SS 210095	BVB 200115	0.0		11861	9450	10542	11621	10523	10741	8726	10138	
6	BVB 260136	HARRIS 26136	SS 210095	BVB 200101	0.0		10760	9448	10338	10312	11422	10339	8324	9636	
7	BVB 260137	KTZ12010 26137	KTZ 120010	BVB 220104	0.1		10865	10052	9849	10133	9741	10048	10338	9846	
							★★★★								
1	BVB 250112	SS19186 25112	SS 190186	BVB 200115	0.0		11063	8864	10949	11630	10332	9850	8552	9250	
2	BVB 260128	KTZ12010 26128	KTZ 120010	BVB 230124	0.2		11164	9557	9948	9328	10141	9649	10237	9447	
3	BVB 260130	KTZ12010 26130	KTZ 120010	BVB 230123	0.2		10664	9957	8849	10228	9841	9449	10237	9347	

Selection List on Cow Value

Heifers younger than 2 years

ID Sorted on ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin			Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
											★★★★★								
1	BVB 250121	HARRIS 25121	SS 210095	BVB 230101	0.1	HH	0	0	0		98 84	119 84	112 80	79 78	128 79	131 77	107 79	127 77	
2	BVB 250122	HARRIS 25122	SS 210095	SS 230004	0.2	HH	0	0	0		95 86	123 86	116 82	94 81	119 81	136 79	108 82	131 80	
3	BVB 250131	HARRIS 25131	SS 210095	SS 230043	0.4	HH	0	0	0		111 86	110 86	116 82	99 80	126 81	132 79	106 80	127 79	
4	BVB 250144	KVS13164 25144	KVS 130164	BVB 220103	0.4	HH	0	0	0		88 84	125 85	120 81	87 79	125 81	137 78	128 80	136 78	
5	BVB 250150	KVS13164 25150	KVS 130164	BVB 220113	0.4	HH	1	0	0		91 85	120 85	121 82	96 80	120 81	133 78	121 81	132 79	
											★★★★★								
1	BVB 250104	KVS13164 25104	KVS 130164	BVB 170126	0.0						98 62	111 65	116 50	97 23	116 37	123 51	111 36	120 48	
2	BVB 250124	HARRIS 25124	SS 210095	BVB 230103	0.1	HH	0	0	0		106 84	111 84	114 80	87 78	109 79	120 77	102 79	116 77	
3	BVB 250125	HARRIS 25125	SS 210095	BVB 230106	0.1	HH	0	0	0		115 83	105 84	116 80	105 78	120 79	127 77	100 79	121 77	
4	BVB 250130	HARRIS 25130	SS 210095	SS 230016	0.7	HH	0	0	0		122 86	115 86	102 82	91 80	101 81	124 79	101 82	119 80	
5	BVB 250133	HARRIS 25133	SS 210095	SS 230014	0.1	HH	0	0	0		114 86	115 86	93 82	106 80	122 81	128 79	105 81	124 79	
6	BVB 250139	HARRIS 25139	SS 210095	SS 230024	0.2	HH	0	0	0		88 86	119 86	105 82	101 81	117 81	124 79	102 82	119 80	
7	BVB 250152	HARRIS 25152	SS 210095	BVB 220234	0.0						117 60	105 63	124 39	89 12	114 22	125 45	97 26	119 41	
8	BVB 250155	HARRIS 25155	SS 210095	BVB 220107	0.1	HH	0	0	0		121 83	107 83	100 79	97 77	115 78	122 76	104 78	117 76	
9	BVB 260107	KVS13164 26107	KVS 130164	BVB 240158	0.4						126 64	106 57	109 44	96 22	122 40	129 48	112 44	126 47	
											★★★★★								
1	BVB 250102	KVS13164 25102	KVS 130164	BVB 160132	0.0						130 61	90 64	109 46	108 20	118 35	114 49	87 35	107 46	
2	BVB 250105	KVS13164 25105	KVS 130164	BVB 170148	0.0						106 61	98 65	119 48	101 20	119 36	115 50	98 35	111 47	
3	BVB 250145	KVS13164 25145	KVS 130164	BVB 220245	0.0						117 61	94 64	117 46	104 20	120 35	116 49	96 37	111 47	
4	BVB 250148	KVS13164 25148	KVS 130164	BVB 220105	0.2						103 62	111 65	113 47	80 32	111 39	118 51	112 38	116 48	
5	BVB 250153	HARRIS 25153	SS 210095	BVB 220252	0.0						119 60	96 63	111 39	100 12	114 22	114 45	88 26	107 41	
6	BVB 250157	HARRIS 25157	SS 210095	BVB 220129	0.0						108 58	97 63	113 39	100 12	114 22	110 44	86 24	104 40	
7	BVB 250160	HARRIS 25160	SS 210095	SS 230012	0.2						114 65	101 69	97 43	127 27	105 32	111 51	86 34	104 48	
8	BVB 260103	HARRIS 26103	SS 210095	BVB 240183	0.0						140 58	89 45	112 28	98 12	114 21	115 36	88 24	108 34	
9	BVB 260105	HARRIS 26105	SS 210095	BVB 240179	0.0						133 58	91 45	113 28	98 12	114 21	115 36	88 24	108 34	
10	BVB 260109	HARRIS 26109	SS 210095	BVB 240182	0.0						121 58	94 45	115 28	98 12	114 21	114 36	88 24	107 34	
11	BVB 260110	HARRIS 26110	SS 210095	BVB 240177	0.0						125 58	93 45	114 28	98 12	114 21	114 36	88 24	107 34	
12	BVB 260114	MAKHONYANE 26114	SP 230075	BVB 240173	0.0						103 54	106 35	109 27	92 15	116 23	115 32	97 20	110 30	

Selection List on Cow Value
Heifers younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin nt821 Q204X F94L Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
13	BVB 260123	HARRIS 26123	SS 210095	BVB 200107	0.0		123 61	95 48	116 38	98 12	117 23	116 40	91 26	110 37	
1	BVB 250101	KVS13164 25101	KVS 130164	BVB 200103	0.0		110 62	91 65	112 49	94 26	119 37	106 51	74 36	97 48	
2	BVB 250108	KVS13164 25108	KVS 130164	BVB 200101	0.0		103 63	92 64	102 46	111 20	121 35	104 49	90 35	99 46	
3	BVB 250114	SS19186 25114	SS 190186	BVB 200117	0.0		92 61	97 62	116 46	99 24	111 30	103 48	91 38	98 46	
4	BVB 250115	SS19186 25115	SS 190186	BVB 210108	0.0		97 62	95 62	112 46	102 24	111 30	101 48	80 38	94 46	
5	BVB 250118	SS19186 25118	SS 190186	BVB 170113	0.0		89 61	102 64	119 49	88 27	114 33	108 50	99 38	104 48	
6	BVB 250119	SS19186 25119	SS 190186	BVB 140126	0.0		91 61	99 64	127 49	95 25	112 31	109 49	93 38	104 47	
7	BVB 250123	HARRIS 25123	SS 210095	BVB 230123	0.1		122 62	84 66	106 40	113 20	112 30	101 48	78 24	94 43	
8	BVB 250156	HARRIS 25156	SS 210095	BVB 220108	0.0		118 60	92 62	110 37	89 20	112 26	105 45	78 24	97 41	
9	BVB 260126	KTZ12010 26126	KTZ 120010	BVB 230101	0.2		96 64	108 57	104 49	87 26	108 41	108 49	106 41	106 47	
10	BVB 260129	KTZ12010 26129	KTZ 120010	BVB 230107	0.2		90 64	109 53	102 47	93 23	109 38	108 46	108 40	106 45	
11	BVB 260132	KTZ12010 26132	KTZ 120010	BVB 230119	0.2		99 52	103 53	99 47	96 23	111 38	105 44	103 40	102 43	
12	BVB 260134	KTZ12010 26134	KTZ 120010	SS 230066	1.8		113 68	108 58	91 50	99 29	88 41	103 50	110 42	103 48	
1	BVB 250116	SS19186 25116	SS 190186	BVB 210112	0.0		94 61	93 61	119 44	102 30	103 31	97 48	94 38	94 46	
1	BVB 260101	MSILI 26101		BVB 200103	0.0		103 23	79 23	111 32	97 20	88 11	76 20			

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

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

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

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

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

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

How to use breeding values to select animals

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

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

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

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

How to improve the herd genetically

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

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

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

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

Conclusion

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

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

