

SANTA GERTRUDIS

GENOMIC BREEDING VALUE REPORT

September 2026



SCOTSTON FARMS (PTY) LTD

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EBVs, EBVi's and GEBVs

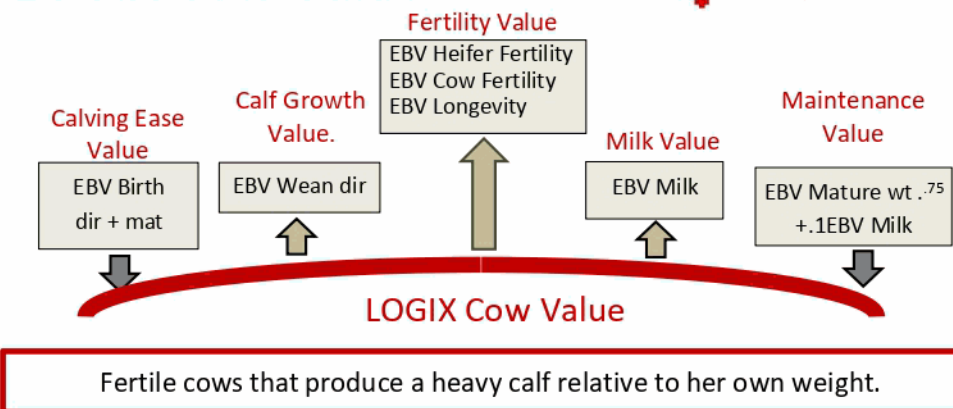
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

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)

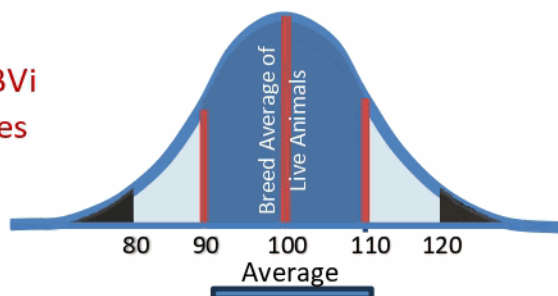
- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

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

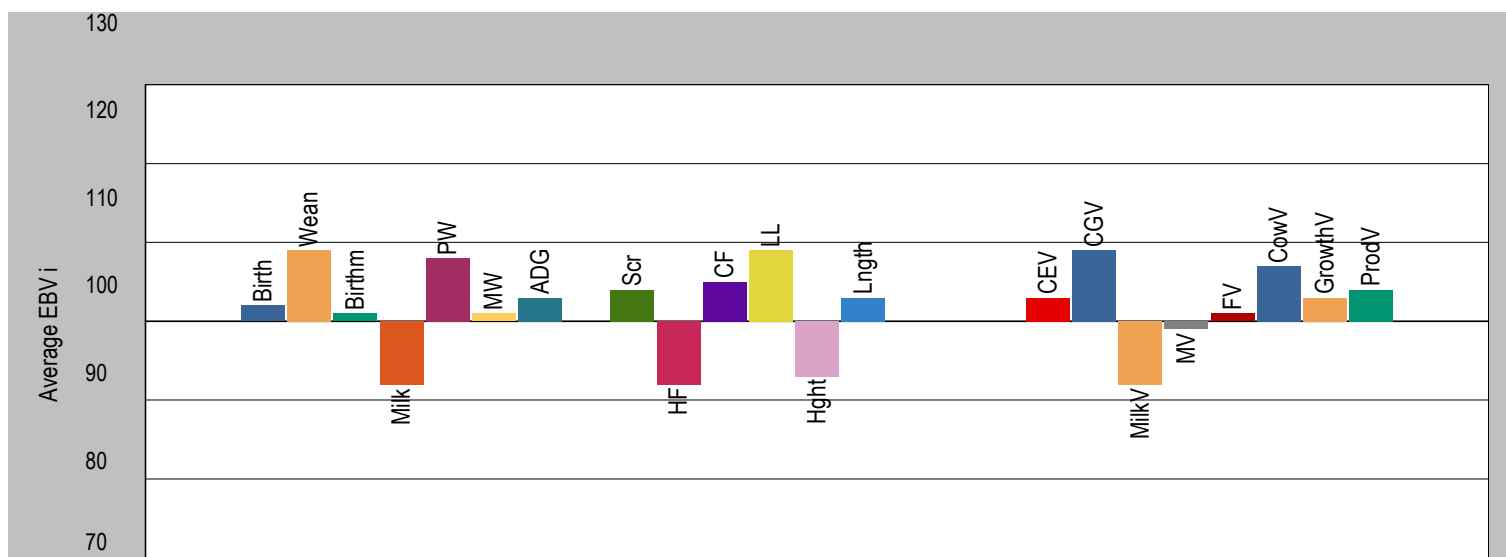
Larger groups result in more accurate and stable breeding values, as the mean and distribution of the group can be more accurately determined and are thus more representative. Groups should preferably have more than 5 animals. Weigh all the animals in the same group on the same day, as corrections for 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	0.91	102	1.11
	Wean Weight	19.5	109	14.7
	Birth Mat.	-0.11	101	-0.07
	Milk (Wn.Mat.)	-1.7	92	0.7
Postwean Growth	Postwean Wt	29.6	108	23.1
	Mature Weight	20	101	19
	ADG	107	103	95
	FCR			
Fertility	Scrotal Circumf.	12.7	104	10.4
	Heifer Fertility	2.6	92	-3.8
	Cow Fertility	-6.9	105	-5.8
	Longevity	39.1	109	33.0
Frame	Height	8	93	12
	Length	28	103	24
Carcass	Dressing%			
	RedMeatYield			
	Marbling			

Selection Value	Ave. Herd
Calving Ease	103
Calf Growth	109
Milk	92
Maintenance	99
Fertility	101
Cow Value	107
Growth Value	103
Production Value	104

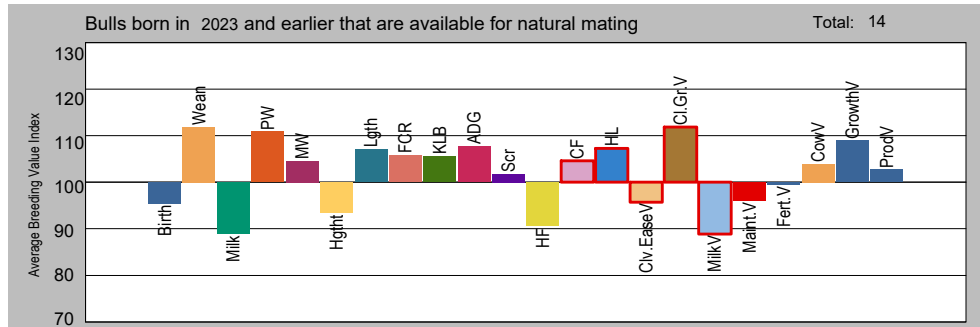
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

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

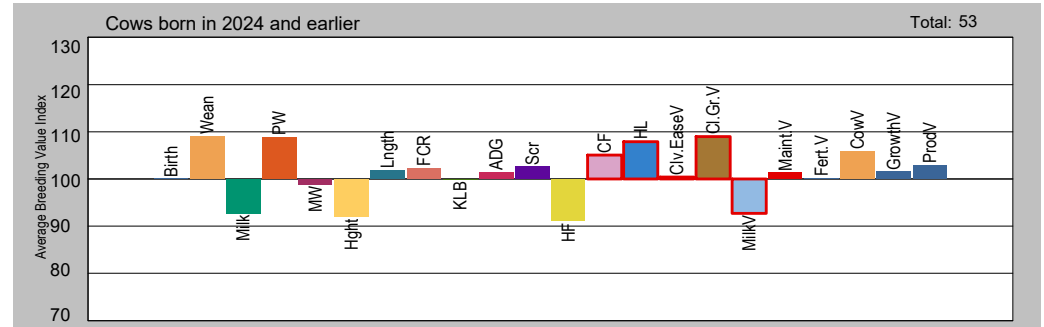
Genetic Windows

Bulls on the farm



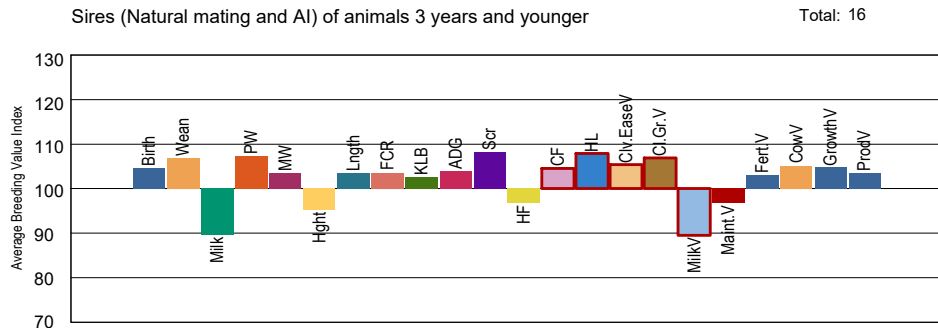
Animals available for breeding

Cow Herd

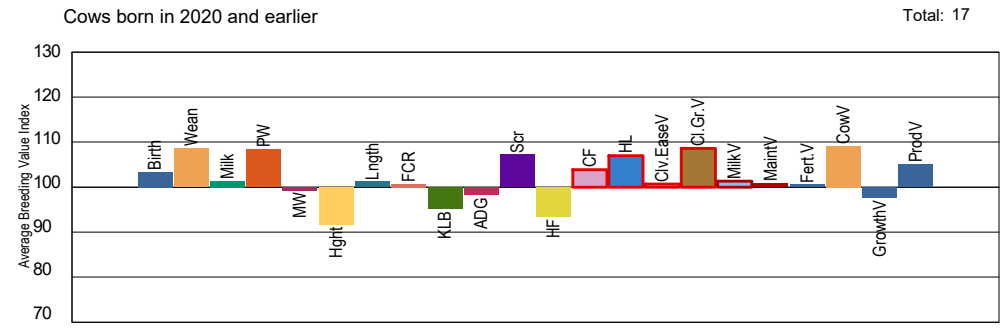


Results of previous selection decisions

Sires of young animals

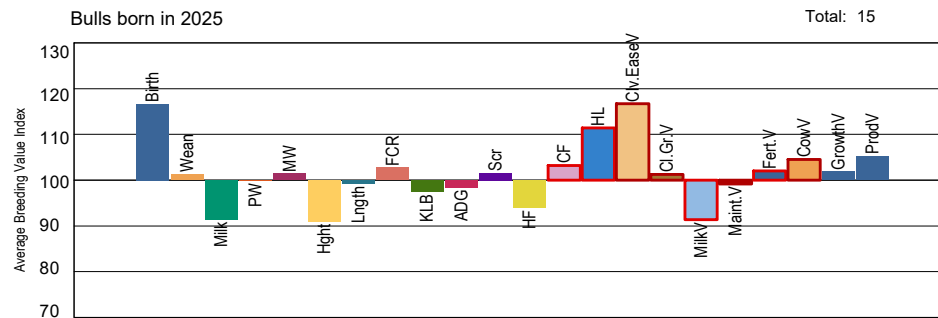


Cows older than 6 years

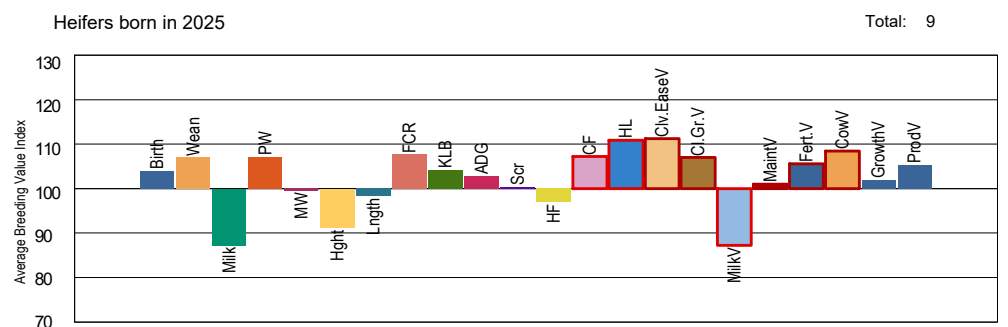


Selection possibilities

Bull calves



Heifer calves

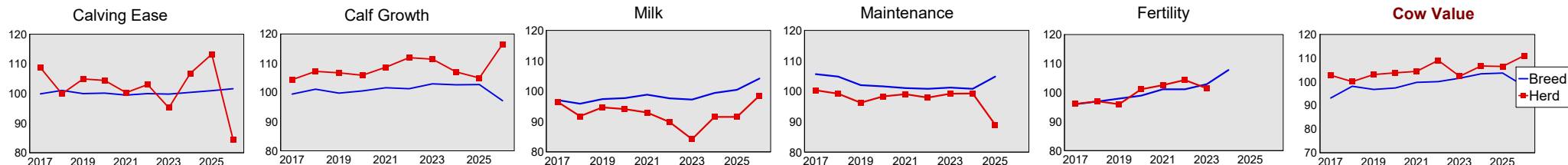


Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				Fertiity				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	99	99	99	100
2011	2	★★★★	86	102	98	103	110	97	94	93	96	102	74	98	107	97	94	95	95	105	112	105	88	94
2012	3	★★★★☆	83	116	102	95	95	106	93	101	87	116	91	102	111	105	97	91	94	90	104	99	93	102
2013	1	★★★★☆	87	94	84	112	100	82	80	77	100	94	58	84	98	88	83	91	81	93	109	98	73	75
2014	2	★★★★☆	129	91	108	112	88	101	85	95	123	91	109	108	88	87	90	91	87	90	81	110	72	88
2016	2	★★★★★	112	120	112	87	107	131	110	127	112	120	101	112	122	114	108	99	129	95	112	112	96	117
2017	2	★★★★☆	110	104	86	114	101	105	96	101	119	104	115	86	103	89	95	91	125	111	88	105	89	99
2019	3	★★★★★	93	118	105	97	98	115	112	114	92	118	102	105	117	102	108	105	122	78	115	109	110	109
2020	2	★★★★★☆	113	111	106	98	109	122	99	116	112	111	99	106	111	103	100	95	112	97	108	119	95	109
2022	5	★★★★	101	103	89	100	102	99	100	97	102	103	100	89	102	100	101	102	103	86	110	115	94	98
2023	15	★★★★☆	98	113	83	102	97	104	106	103	95	113	104	83	112	98	105	105	93	86	106	105	90	103
2024	16	★★★★☆	102	107	94	101	102	106	101	103	100	107	102	94	108	99	101	99	106	95	104	110	93	103
2025	9	★★★★☆	111	107	87	101	106	108	102	105	104	107	99	87	107	99	103	104	100	97	107	111	91	98
2026	3	★★★★☆	89	114	99	93	102	109	103	106	89	114	100	99	111	108	103	101	103	83	115	113	99	105
Cows in Herd Average:			101	108	96	101	101	107	99	103	102	108	96	96	107	99	99	98	104	93	105	109	91	100

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.



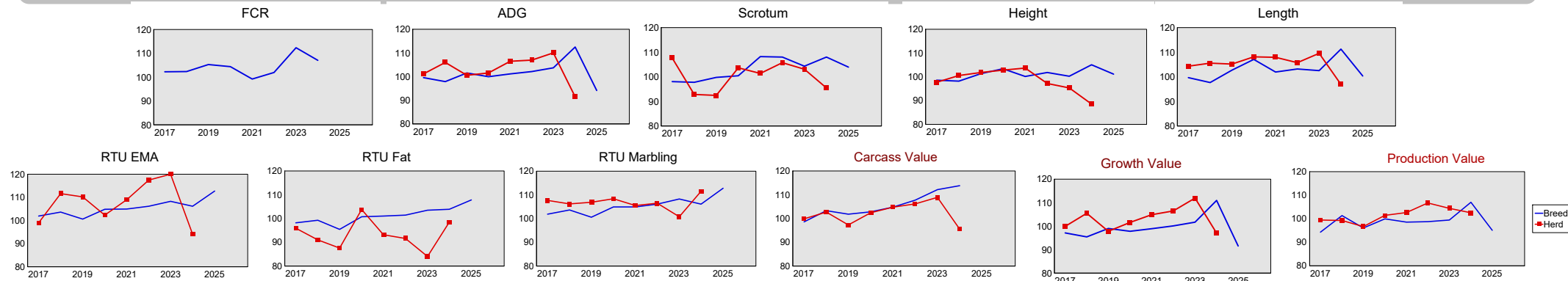
Herd

Birth Year	Calving Ease				Calf Growth			Milk		Maintenance						Fertility						Cow Value	
	Birth Weight		Calv. Ease	Mat EBV	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
2017	75	0.62	-0.32	109	75	17.1	104	75	-0.33	96	30	27.4	16	18	100	18	-0.5	16	-5.3	75	30.8	96	103
2018	72	1.16	-0.05	100	75	18.7	107	75	-1.78	92	26	31.4	5	14	99	19	-0.2	12	-5.4	73	30.7	97	100
2019	70	0.90	-0.39	105	58	18.4	107	58	-0.87	95	20	26.9	5	20	96	12	6.8	11	-7.1	70	32.2	96	103
2020	103	0.92	-0.28	104	82	17.9	106	82	-1.06	94	33	27.7	14	15	98	14	1.7	10	-7.0	93	32.5	101	104
2021	84	1.30	-0.16	100	69	19.4	109	69	-1.39	93	50	30.7	5	14	99	16	0.0	7	-6.7	72	34.3	103	104
2022	83	0.89	-0.14	103	57	21.2	112	57	-2.35	90	45	31.1	6	15	98	10	2.2	1	-10.4	19	32.9	104	109
2023	52	1.73	-0.13	95	44	20.9	111	44	-4.06	84	25	32.6	3	20	99	6	5.0					102	102
2024	58	0.68	-0.21	107	37	18.6	107	37	-1.81	92	25	29.6			99								107
2025	26	0.19	-0.18	113	18	17.4	105	18	-1.81	92	1	37.3			89								107
2026	2	2.55	-0.23	85	2	23.9	117	2	0.36	99													111

Breed

Birth Year	Calving Ease				Calf Growth			Milk		Maintenance					Fertility						Cow Value				
	Birth Weight		Calv. Ease	Dir EBV	Mat EBV	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity			
	Number	EBV				Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number			EBV	Number	EBV
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			
2017				30	100	101	30	14.5	108	30	11	98	30	29	104	30	0.69	99	-0.32	96	1.04	108	100	100	99
2018				26	121	106	26	6.5	93	26	12	101	26	30	106	26	1.72	112	-0.96	91	0.92	106	103	106	99
2019				20	97	101	20	6.3	92	20	13	102	20	30	105	20	1.60	110	-1.39	88	0.98	107	97	98	97
2020				33	101	102	33	12.4	104	33	14	103	33	33	108	33	0.96	102	0.68	104	1.10	108	102	102	101
2021				25	123	107	25	11.1	101	25	14	104	25	33	108	25	1.50	109	-0.68	93	0.87	105	105	105	103
2022				29	125	107	29	13.5	106	29	10	97	29	31	106	29	2.20	117	-0.87	92	0.95	106	106	106	107
2023				11	138	110	11	12.0	103	11	9	95	11	35	110	11	2.69	123	-1.86	84	0.50	101	109	112	104
2024				2	57	92	2	8.1	96	2	5	89	2	21	97	2	0.28	94	0.02	99	1.36	112	96	97	103
2025																									
2026																									

Breed

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

Sires

Bull			Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID Dam ID	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	FCR	Scrotal	Heifer	Cow	Long-evi	Height	Length	EMA	Fat	Marbling	Birth	Wean
			Ease	Grwth	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight					Fertility	Fertility	ty						Dgt/Calvs.
BR 200023		VV 150167 VV 120092	89	107	73	106	110	96			86	107	116	73	101	94	95	96	86	115	108	94	92	95	92	99	98	10	1
GUNSTON			76	61	52	15	46	53			2.35	18.4	-0.69	-7.4	23.8	13	72	-15	2.8	-15.8	-7.3	29.0	7	19	0.11	0.11	0.26		
											82	61	53	52	26	15	18	14	20	48	31	59	20	19	14	13	13		
DJW 070061		JL 020273 DJW 020095	113	107	111	104	83	110	86	103	115	107	89	111	107	94	98	114	91	88	90	85	92	106	97	104	118	68	37
07 61			93	92	87	54	79	81	61	77	-0.20	18.7	0.37	3.9	28.5	13	87	-37	5.6	5.5	-3.7	23.0	7	31	0.53	0.67	1.87	14	54
											95	92	87	87	83	54	76	41	82	84	61	92	72	69	67	64	62		
DJW 080037		HBF 050064 DJW 030082	105	103	88	100	99	99	93	95	101	103	124	88	110	99	93	101	93	107	97	90	76	88	114	96	103	22	14
08 37			90	87	86	35	78	77	50	72	1.06	16.5	-0.98	-2.9	30.8	18	63	-21	6.6	-9.7	-5.2	26.3	-2	11	1.96	-0.28	0.63	21	67
											91	87	86	86	60	35	67	27	75	83	58	93	51	49	42	39	38		
DJW 100033		DJW 070061 DJW 070001	141	108	118	107	82	126	104	121	140	108	90	118	115	90	97	86	130	76	88	105	94	120	96	98	123	83	62
10033DJW			95	95	90	73	78	84	67	81	-2.33	19.1	0.30	6.0	34.6	10	84	-3	26.5	15.5	-3.4	36.7	8	46	0.43	-0.11	2.33	21	92
											96	95	89	90	86	73	77	53	82	84	59	92	82	80	78	75	74		
DJW 130029		DJW 100033 DJW 070019	142	96	121	94	82	112	87	105	137	96	101	121	100	104	88	83	103	93	84	82	74	98	74	90	109	33	29
13029DJW			88	89	78	60	67	76	62	73	-2.08	12.3	-0.12	7.1	23.1	23	45	0	11.9	1.4	-2.4	20.5	-3	22	-1.36	-1.15	1.18	7	28
											91	89	76	78	68	60	73	46	78	72	46	83	78	77	74	70	69		
DJW 130073		DT 100129 DJW 060064	106	101	78	99	103	94	97	92	102	101	111	78	98	102	106	120	122	98	109	101	105	97	129	79	101	32	31
13073DJW			88	89	81	55	69	76	48	70	0.95	15.1	-0.51	-5.8	21.4	21	119	-44	22.1	-1.9	-7.5	33.5	15	21	3.17	-2.51	0.48	4	39
											91	89	76	81	56	55	66	24	73	76	46	86	74	72	66	61	60		
DJW 160023		DJW 130073 DJW 110024	91	123	92	85	97	112	111	110	89	123	110	92	117	118	116	124	132	89	108	100	114	116	136	80	105	6	5
16023DJW			76	77	63	36	52	63	35	57	2.05	27.1	-0.44	-1.6	36.5	36	164	-49	27.6	5.1	-7.4	33.0	20	41	3.74	-2.32	0.82	1	5
											80	77	58	63	42	36	48	17	53	56	33	66	53	51	48	44	43		
DJW 170037		DJW 130035 DJW 100032	85	102	104	100	100	97	101	95	97	102	68	104	113	98	101	96	134	92	109	101	115	111	52	110	100	29	21
170037DJW			92	91	87	82	85	83	85	83	1.37	16.0	1.18	2.0	33.5	17	100	-15	29.0	2.6	-7.6	33.9	21	36	-3.20	1.52	0.45	6	10
											93	91	86	87	87	82	87	81	89	86	82	88	90	89	88	86	86		
DJW 180053		SP 150013 DJW 120070	83	131	74	92	100	113	123	114	74	131	100	74	125	111	124	126	73	84	119	100	96	113	157	74	105	133	100
180053DJW			97	97	93	92	93	89	93	90	3.39	31.9	-0.08	-7.2	42.4	30	199	-51	-4.3	8.7	-9.6	33.3	10	39	5.43	-3.18	0.85	25	8
											98	97	93	93	95	92	94	91	95	93	91	94	96	96	95	95	94		
DJW 190012		DJW 160052 DJW 120072	105	92	110	104	98	97	87	92	104	92	104	110	97	94	90	98	110	94	94	112	94	89	89	94	104	23	18
190012DJW			93	93	90	88	90	86	88	86	0.78	10.4	-0.23	3.9	20.8	13	52	-18	16.0	0.7	-4.6	41.2	8	13	-0.16	-0.53	0.76	2	2
											94	93	91	90	90	88	89	88	89	90	88	91	89	89	89	89	88		
DJW 190042		DJW 160052 DJW 100026	88	123	90	90	115	120	137	123	94	123	86	90	137	112	133	107	150	103	113	119	110	122	138	80	106	9	9
190042DJW			89	89	84	81	83	81	84	82	1.62	27.6	0.49	-2.2	51.6	31	235	-28	37.6	-6.1	-8.5	46.1	18	49	3.91	-2.43	0.93	4	2
											90	89	84	84	85	81	86	81	88	84	81	85	89	88	87	85	85		

Sires

Bull			Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.
	Name																												
DJW 200062	KVS 160113	DJW 110046	130	118	110	98	110	140	119	137	122	118	123	110	118	100	112	103	150	93	118	115	112	123	88	80	105	8	1
	200062DJW		75	73	56	33	46	59	48	57	-0.82	24.8	-0.95	3.8	36.8	19	145	-23	37.6	2.0	-9.5	43.2	19	49	-0.23	-2.36	0.80	1	
DJW 200076	VV 140112	DJW 110043	97	99	76	103	96	86	108	87	101	99	89	76	104	98	99	78	108	92	94	110	95	111	124	87	98	11	8
	200076DJW		90	90	86	83	85	82	85	83	1.01	14.4	0.35	-6.4	26.3	17	89	6	14.9	2.9	-4.6	40.1	9	36	2.70	-1.42	0.24	2	1 1
DJW 210009	VV 140112	DJW 160001	114	112	92	83	98	111	108	108	112	112	103	92	113	120	109	108	120	86	97	120	109	120	110	123	117	19	14
	210009DJW		92	92	88	86	87	84	86	84	0.11	21.4	-0.20	-1.8	33.0	38	135	-30	21.3	7.5	-5.2	46.8	18	46	1.56	3.15	1.79		
DJW 210016	DJW 170029	DJW 180028	143	97	90	99	99	110	94	105	141	97	94	90	104	101	96	88	116	98	92	113	74	98	105	99	110	4	3
	210016DJW		72	75	54	29	40	58	46	56	-2.40	12.9	0.17	-2.2	26.4	20	76	-6	19.2	-2.0	-4.2	41.6	-3	23	1.17	0.08	1.23		
DJW 210040	DJW 180039	DJW 170085	111	99	95	93	99	99	94	95	108	99	130	95	97	107	89	101	108	98	106	93	94	90	70	120	109	8	3
	210040DJW		72	69	43	24	35	53	44	51	0.45	14.3	-1.22	-0.8	20.7	26	49	-21	14.7	-1.9	-7.1	28.1	9	14	-1.71	2.80	1.13		
DJW 220003	VV 140112	DJW 130023	130	79	82	108	109	87	79	81	161	79	115	82	76	91	83	98	81	102	104	118	72	75	66	132	103	9	5
	220003DJW		77	70	59	38	50	60	46	57	-4.11	3.0	-0.65	-4.6	4.6	11	22	-18	0.1	-5.5	-6.5	45.5	-5	-3	-2.05	4.30	0.71		
DJW 220043	HDH 170171	DJW 180027	102	107	96	95	101	105	98	101	102	107	100	96	105	105	105	112	109	90	105	111	102	107	119	100	106	8	7
	220043DJW		74	76	47	21	42	57	42	54	0.92	18.4	-0.05	-0.4	27.1	24	116	-34	15.3	4.0	-6.8	40.8	13	32	2.32	0.23	0.94		
DJW 220058	DJW 190042	DJW 190004	91	110	92	97	114	107	114	107	95	110	92	92	117	102	108	101	97	102	110	123	92	101	115	75	109	1	1
	220058DJW		66	68	46	27	36	52	46	51	1.57	20.0	0.27	-1.6	36.7	21	130	-21	8.6	-5.3	-7.8	48.6	7	25	2.00	-3.07	1.13		
DJW 220071	VV 180207	DJW 190076	105	113	90	88	101	110	103	107	101	113	90	90	105	114	104	105	89	83	111	116	102	109	109	77	103	12	10
	220071DJW		89	88	83	80	82	80	83	81	1.04	22.1	-0.59	-2.4	27.0	32	112	-25	4.2	9.5	-8.0	43.6	13	35	1.47	-2.73	0.64		
DT 100129	DT 080051	DT 080106	140	89	55	108	103	88	90	85	131	89	120	55	79	94	96	115	100	106	103	94	71	81	122	75	97	57	35
	WAKKERBERG		90	91	83	60	71	78	62	75	-1.55	8.6	-0.85	-12.8	7.1	13	77	-38	10.1	-8.5	-6.4	29.0	-5	4	2.58	-3.00	0.15		10 39
HDH 170171	VV 100149	HDH 140006	135	114	88	89	95	119	105	116	132	114	99	88	108	113	108	107	145	102	91	95	96	108	138	91	105	55	39
	HDH17171		88	89	67	31	64	72	44	66	-1.62	22.2	-0.04	-3.0	29.2	32	128	-28	35.0	-5.0	-4.0	29.7	10	33	3.92	-0.94	0.82	6	6 6

Sires

Bull				Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			Measured Progeny		
ID	Index EBV Acc	Sire ID	Dam ID	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	FCR	Scrotal	Heifer	Cow	Long-evi	Height	Length	EMA	Fat	Marbling	Birth	Wean
				Ease Value	Grwth Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight						Fertility	Fertility	ty						Dgt/Calvs.
JH 190072		SP 110076	JH 110090	88	108	75	107	96	91	111	92	68	108	112	75	108	93	107	99	89	100	92	98	78	98	87	71	59	78	66
1972				95	96	92	90	92	88	92	89	3.88	19.3	-0.55	-6.8	29.4	13	124	-19	4.4	-4.1	-4.2	31.9	-1	23	-0.31	-3.57	-2.91	3	2 2
JPV 060028		FB 020029	JPV 020112	122	90	77	109	106	92	94	89	118	90	131	77	93	91	97	92	101	106	105	99	105	101	100	104	114	23	18
06 28				86	86	78	52	68	74	48	69	-0.44	9.4	-1.26	-6.4	17.5	11	82	-10	10.8	-8.8	-6.9	32.0	15	25	0.80	0.71	1.55		4 31
KVS 160113		KVS 130164	KVS 110255	111	127	105	98	108	138	133	139	108	127	109	105	124	100	124	117	150	80	136	103	126	120	89	83	105	88	96
KVS160113				90	94	75	49	68	77	54	72	0.46	29.7	-0.42	2.4	42.0	19	196	-40	37.6	11.8	-13.2	35.2	28	46	-0.11	-1.98	0.86	6	10 19
SP 140020		148623	SP 110048	92	108	123	101	150	136	112	132	98	108	82	123	107	96	115	132	119	142	152	100	93	98	69	108	138	35	190
FIREFMAN				94	98	95	91	93	89	90	89	1.26	19.1	0.61	7.8	28.3	15	157	-57	20.5	-36.9	-16.4	32.7	8	23	-1.74	1.27	3.51	6	54 117
SS 160075		JF 120023	SP 080074	96	108	80	104	106	100	106	99	94	108	109	80	106	96	106	97	106	91	111	118	113	107	82	136	115	25	18
FYVIE				92	91	86	84	86	83	89	84	1.62	19.0	-0.40	-5.4	27.6	15	121	-16	13.4	3.7	-8.0	45.1	20	32	-0.70	4.83	1.66	8	3 3
SS 200146		SS 130048	RS 150054	78	122	85	87	124	115	127	116	70	122	85	85	126	115	133	142	118	118	123	107	102	108	133	102	103	8	7
BIG DADDY				76	72	59	44	48	61	72	63	3.66	26.5	0.52	-3.7	43.6	34	234	-69	20.2	-17.9	-10.6	37.6	13	34	3.52	0.50	0.69	1	1 1
VV 080166		VV 040074	VV 050081	111	105	78	110	85	94	95	91	113	105	87	78	111	90	95	92	88	84	92	94	80	91	92	77	85	35	23
08 166				89	88	83	42	69	75	43	69	-0.04	17.2	0.42	-5.9	31.3	10	74	-10	4.0	9.0	-4.2	28.6	0	15	0.07	-2.75	-0.82		9 52
VV 100149		JL 060140	VV 070133	96	134	82	89	59	106	128	109	92	134	117	82	128	114	125	116	150	83	44	89	111	124	151	81	100	90	82
VV100149				94	95	89	42	81	82	42	74	1.83	33.5	-0.72	-4.8	45.1	32	200	-39	37.6	9.6	5.7	25.4	19	50	4.96	-2.20	0.44	3	38 80
VV 140112		JL 050119	VV 120051	113	105	97	98	103	109	91	103	109	105	110	97	102	101	93	98	101	93	104	114	96	104	88	150	113	153	124
VV140112				97	97	94	90	93	89	91	89	0.35	17.2	-0.46	-0.3	24.4	20	67	-18	10.7	1.7	-6.7	42.2	10	29	-0.21	6.68	1.51	15	37 67

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
02202L D11 M			8189938SGT															
SCOTSTON FARMS (PTY) LTD	DJW 220003	291374619	VV 140112 DJW 130023	87	79	78	75	72	88	81	136	83	98	79	66	132	103	79
				60	70	3	-3	-5	1.09	0.1	-0.07	22	-18	46	-2.05	4.30	0.71	64
						73	72	76	74	74	20	65	20		67	61	60	
202401 D11 M			8189938SGT															
SCOTSTON FARMS (PTY) LTD	DJW 230013	95861555	HDH 170171 DJW 190046	125	127	126	120	113	120	138	84	120	116	124	141	82	107	126
				54	68	50	46	20	1.17	31.0	0.86	182	-39	43	4.13	-2.07	1.00	61
						71	70	74	72	72	15	62	15		64	58	56	
	DJW 230021	95861621	DJW 180053 DJW 110027	93	106	95	86	76	105	71	112	100	106	102	125	93	104	95
				57	72	19	9	-2	1.14	-5.4	0.37	95	-27	44	2.81	-0.74	0.75	66
						73	73	76	74	75	14	66	14		68	63	61	
	DJW 230022	95861639	DJW 200076 DJW 160025	111	120	123	131	117	135	129	67	113	85	128	133	83	105	118
				54	69	48	58	22	1.21	26.1	1.17	149	-2	45	3.50	-2.04	0.86	63
						72	71	75	73	73	18	63	18		66	60	58	
	DJW 230023	95861647	DJW 200076 DJW 110009	100	107	118	126	111	134	116	81	113	100	114	156	69	101	109
				54	69	42	52	19	1.21	19.3	0.92	150	-20	43	5.40	-3.79	0.54	62
						72	71	75	73	73	14	63	14		66	59	58	
	DJW 230027	95861688	DJW 180053 DJW 170003	113	122	110	104	109	96	100	120	106	126	98	112	86	106	104
				56	70	35	29	18	1.11	10.2	0.22	121	-51	44	1.77	-1.66	0.95	66
						73	73	76	74	75	14	66	14		69	64	63	
	DJW 230032	96064282	DJW 180053 DJW 140026	102	104	103	99	79	128	75	114	103	115	96	140	78	104	99
				56	71	28	23	-1	1.20	-3.1	0.33	110	-38	45	4.08	-2.62	0.73	66
						74	73	76	74	75	16	67	16		69	64	63	
	DJW 230034	96070891	JH 190072 DJW 160031	94	113	110	108	89	131	101	92	112	109	111	92	85	88	106
				55	71	35	33	6	1.20	10.8	0.72	146	-31	48	0.13	-1.76	-0.51	62
						71	71	74	72	73	24	63	24		65	59	58	
	DJW 230037	96064290	DJW 180053 DJW 160036	108	114	114	110	88	138	83	85	117	111	116	149	78	109	114
				56	71	38	36	5	1.22	1.1	0.85	168	-33	46	4.79	-2.67	1.14	66
						73	73	76	74	75	18	66	18		69	64	63	
	DJW 230040	96070925	JH 190072 DJW 160027	90	109	103	102	66	149	110	96	96	81	106	75	91	92	102
				56	71	27	26	-8	1.27	15.7	0.65	76	2	48	-1.26	-1.00	-0.22	64
						72	72	75	74	73	25	64	25		67	60	59	
	DJW 230047	96072293	JH 190072 DJW 120070	99	112	105	101	92	113	102	105	102	104	106	92	87	85	97
				56	71	29	26	8	1.16	11.4	0.49	105	-25	48	0.12	-1.44	-0.79	63
						72	72	75	74	74	23	64	23		66	60	59	
	DJW 230052	96358809	DJW 180053 DJW 200071	121	127	126	118	108	123	109	76	129	123	130	141	93	108	127
				53	68	51	44	17	1.18	15.3	1.02	217	-47	44	4.14	-0.66	1.11	66
						73	72	75	74	74	15	65	15		68	63	62	

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
ID Number Name				Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	EMA	Fat	Marbling
DJW 210009 291321248 210009DJW	1	VV 140112 DJW 160001		114 92	112 92	92 88	83 86	98 87	111 84	108 86	108 84	117 86	112 0.11 93	103 -0.20 88	120 38 86	112 21.4 92	92 -1.8 88	97 48 89	113 33.0 88	109 135 86	108 -30 85	120 21.3 87	86 7.5 87	97 -5.2 86	120 46.8 88	109 18 87	120 46 87	110 1.56 86	123 3.15 86	117 1.79 86
DJW 220003 291374619 220003DJW	1	VV 140112 DJW 130023		130 77	79 70	82 59	108 38	109 50	87 60	79 46	81 57	79 64	161 -4.11 82	115 -0.65 58	91 11 38	79 3.0 70	82 -4.6 59	67 -26 56	76 4.6 54	83 22 65	98 -18 20	81 0.1 74	102 -5.5 55	104 -6.5 35	118 45.5 60	72 -5 76	75 -3 72	66 -2.05 67	132 4.30 61	103 0.71 60
DJW 230013 95861555 230013DJW		HDH 170171 DJW 190046		100 67	127 68	99 49	83 28	101 42	125 54	124 43	125 52	126 61	101 1.06 72	98 0.01 48	120 38 28	127 29.7 68	99 0.6 49	117 95 48	125 42.2 51	120 182 62	116 -39 15	138 31.0 72	86 7.5 48	115 -8.8 26	106 36.8 51	113 20 74	120 46 70	141 4.13 64	82 -2.07 58	107 1.00 56
DJW 230021 95861621 230021DJW	2	DJW 180053 DJW 110027		78 70	106 72	78 57	105 26	114 42	93 57	102 44	92 54	95 66	80 2.84 74	85 0.52 53	95 15 26	106 18.1 72	78 -6.0 57	88 26 52	106 28.1 58	100 95 66	106 -27 14	71 -5.4 75	105 -7.9 48	118 -9.5 26	105 36.5 52	76 -2 76	86 9 73	125 2.81 68	93 -0.74 63	104 0.75 61
DJW 230022 95861639 230022DJW	1	DJW 200076 DJW 160025		78 66	120 69	99 52	81 34	108 39	111 54	128 45	113 52	118 63	84 2.45 71	85 0.50 47	122 40 34	120 25.9 69	99 0.5 52	109 77 52	123 40.9 48	113 149 63	85 -2 18	129 26.1 73	100 -3.9 43	109 -7.5 27	111 40.5 47	117 22 75	131 58 71	133 3.50 66	83 -2.04 60	105 0.86 58
DJW 230023 95861647 230023DJW	1	DJW 200076 DJW 110009		96 67	107 69	97 53	94 21	95 38	100 54	114 43	100 52	109 62	103 0.89 72	81 0.68 49	106 25 21	107 18.4 69	97 -0.2 53	101 57 48	114 33.6 50	113 150 63	100 -20 14	116 19.3 73	88 5.7 38	99 -5.5 27	108 38.7 48	111 19 75	126 52 71	156 5.40 66	69 -3.79 59	101 0.54 58
DJW 230027 95861688 230027DJW	3	DJW 180053 DJW 170003		97 69	122 70	82 53	93 37	102 41	113 56	98 44	108 54	104 66	93 1.68 74	114 -0.61 49	109 28 37	122 26.6 70	82 -4.9 53	101 58 53	110 31.2 56	106 121 66	126 -51 14	100 10.2 75	90 3.8 47	115 -8.8 25	102 34.2 50	109 18 76	104 29 73	112 1.77 69	86 -1.66 64	106 0.95 63
DJW 230032 96064282 230032DJW	2	DJW 180053 DJW 140026		116 69	104 71	89 54	100 27	93 41	102 56	96 45	99 54	99 66	113 -0.04 74	104 -0.23 50	100 19 27	104 16.8 71	89 -2.5 54	94 41 51	96 19.8 60	103 110 67	115 -38 16	75 -3.1 75	82 10.9 48	103 -6.5 24	104 36.0 52	79 -1 76	99 23 73	140 4.08 69	78 -2.62 64	104 0.73 63
DJW 230034 96070891 230034DJW	1	JH 190072 DJW 160031		83 68	113 71	87 51	100 30	87 41	94 55	111 48	94 54	106 62	77 3.10 73	100 -0.07 48	99 19 30	113 21.6 71	87 -3.3 51	101 56 51	114 34.3 49	112 146 63	109 -31 24	101 10.8 73	84 9.3 47	90 -3.7 27	104 35.5 50	89 6 74	108 33 71	92 0.13 65	85 -1.76 59	88 -0.51 58
DJW 230037 96064290 230037DJW	4	DJW 180053 DJW 160036		100 69	114 71	81 54	99 34	107 42	108 56	116 46	108 54	114 66	102 0.95 74	94 0.17 50	101 21 34	114 22.1 71	81 -4.9 54	96 45 53	118 36.9 58	117 168 66	111 -33 18	83 1.1 75	94 1.2 48	113 -8.5 26	111 40.5 51	88 5 76	110 36 73	149 4.79 69	78 -2.67 64	109 1.14 63
DJW 230040 96070925 230040DJW	1	JH 190072 DJW 160027		88 68	109 71	89 53	100 36	82 42	90 56	106 48	90 54	102 64	90 1.97 73	99 -0.03 49	99 19 36	109 19.4 71	89 -2.5 53	99 52 53	107 28.7 51	96 76 64	81 2 25	110 15.7 73	81 10.9 48	82 -2.1 29	102 34.7 50	66 -8 75	102 26 72	75 -1.26 67	91 -1.00 60	92 -0.22 59
DJW 230047 96072293 230047DJW	1	JH 190072 DJW 120070		89 69	112 71	83 53	102 31	98 43	99 56	106 48	98 54	97 63	74 3.33 74	119 -0.82 50	98 17 31	112 21.3 71	83 -4.3 53	98 49 52	106 28.2 52	102 105 64	104 -25 23	102 11.4 74	91 3.0 50	104 -6.7 28	101 33.9 52	92 8 75	101 26 72	92 0.12 66	87 -1.44 60	85 -0.79 59

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

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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																													
DJW 230052 96358809 230052DJW	1	DJW 180053 DJW 200071	92 67	127 68	93 47	92 32	102 38	121 53	130 44	122 51	127 66	93 1.69 73	99 -0.05 45	109 27 32	127 29.4 68	93 -1.5 47	115 91 49	127 44.1 54	129 217 65	123 -47 15	109 15.3 74	83 9.7 47	117 -9.3 20	109 39.4 48	108 17 75	118 44 72	141 4.14 68	93 -0.66 63	108 1.11 62
DJW 230054 96388293 230054DJW	1	JH 190072 DJW 180074	79 65	114 58	93 46	105 21	97 39	101 48	107 34	100 45	99 42	54 5.07 71	87 0.45 43	94 13 21	114 22.3 58	93 -1.5 46	109 76 42	116 35.4 40	105 115 42	98 -18 22	90 4.9 48	96 -0.5 46	98 -5.5 24	101 33.9 48	80 0 48	99 24 46	98 0.57 43	89 -1.23 40	82 -1.00 39
DJW 240008 96970322 240008DJW	1	JH 190072 DJW 170073	86 67	120 59	84 49	102 24	89 41	103 50	111 34	102 47	107 41	74 3.34 72	108 -0.37 48	98 17 24	120 25.4 59	84 -4.0 49	106 68 44	117 36.0 42	110 138 41	105 -26 21	109 15.4 47	93 1.8 47	83 -2.3 27	104 35.7 50	91 7 47	107 32 45	105 1.17 43	84 -1.82 39	83 -0.94 38
DJW 240013 97426944 240013DJW	17	DJW 200062 DJW 200081	130 63	118 51	103 41	104 27	110 34	138 44	114 30	134 41	107 38	122 -0.82 69	116 -0.70 39	94 14 27	118 24.4 51	103 1.7 41	121 106 40	119 37.5 34	109 133 39	103 -23 16	139 31.8 44	93 1.8 40	122 -10.3 21	111 40.3 41	108 17 44	113 39 43	81 -0.76 40	86 -1.65 36	103 0.68 36
DJW 240018 97426910 240018DJW	3	DJW 200062 DJW 210032	112 62	115 50	99 37	97 20	104 32	120 42	113 29	118 39	110 38	108 0.46 68	111 -0.51 37	102 21 20	115 22.7 50	99 0.3 37	111 81 36	115 34.4 38	110 137 39	108 -29 14	135 29.7 44	93 1.9 38	110 -7.8 19	109 39.3 40	110 18 45	114 39 43	93 0.17 40	89 -1.18 37	104 0.77 36
DJW 240020 97426936 240020DJW	6	DJW 200062 DJW 200084	118 64	112 51	109 40	93 27	101 33	122 44	107 30	118 41	106 39	114 -0.07 70	109 -0.41 40	106 25 27	112 21.0 51	109 3.4 40	115 91 39	114 34.2 36	104 113 39	97 -17 15	141 32.7 45	86 7.3 39	110 -7.9 21	110 39.9 40	103 14 45	113 39 43	81 -0.80 41	95 -0.48 37	105 0.80 36
DJW 240023 97662688 240023DJW	1	SS 200146 DJW 160016	91 66	132 67	89 51	86 37	108 38	127 53	125 42	126 51	131 41	92 1.82 71	102 -0.15 48	117 36 37	132 32.5 67	89 -2.5 51	114 88 52	136 50.7 51	128 215 41	128 -52 39	133 28.2 46	93 1.6 41	116 -9.1 26	112 41.2 48	110 18 47	125 51 45	134 3.60 43	96 -0.28 39	111 1.34 38
DJW 240031 97662704 240031DJW	3	DJW 210016 DJW 190046	109 64	120 65	99 45	88 27	103 34	122 50	115 30	120 46	114 35	109 0.37 69	98 0.00 42	114 32 27	120 25.4 65	99 0.4 45	112 83 46	121 39.3 46	113 151 35	107 -28 23	126 24.6 38	84 9.0 38	115 -8.9 20	113 41.9 43	104 14 38	116 42 37	116 2.11 36	90 -1.02 34	111 1.33 33
DJW 240044 97870380 240044DJW	1	DJW 200076 DJW 160025	105 66	112 69	97 52	83 34	108 39	112 54	120 33	113 50	115 44	109 0.37 71	86 0.46 47	120 39 34	112 21.1 69	97 -0.3 52	100 55 52	113 33.5 40	113 149 44	93 -11 18	127 25.2 49	101 -4.7 43	108 -7.4 27	110 40.1 47	106 16 50	124 50 48	127 2.95 45	91 -0.98 42	107 0.98 41
DJW 240046 97870406 240046DJW	4	DJW 210009 DJW 170023	120 66	107 68	85 51	94 35	110 38	112 54	102 26	108 48	106 34	113 0.03 71	117 -0.73 47	107 26 35	107 18.5 68	85 -3.7 51	92 34 51	106 28.1 37	102 101 36	100 -20 15	129 25.9 39	108 -9.9 41	101 -6.1 27	114 42.5 47	101 13 39	111 37 38	101 0.81 35	115 2.16 33	115 1.63 32
DJW 250003 98480072 250003DJW	1	JH 190072 DJW 140023	90 68	105 59	91 53	109 40	94 41	95 52	99 36	93 49	92 42	87 2.21 73	113 -0.58 50	90 9 40	105 17.4 59	91 -1.9 53	101 56 51	105 26.7 44	99 92 43	103 -24 24	85 2.0 48	100 -3.8 46	83 -2.3 26	106 37.1 50	79 0 47	95 19 46	107 1.32 43	68 -3.97 40	79 -1.26 39
DJW 250006 99100869 250006DJW	1	DJW 210040 DJW 220006	124 50	95 44	93 34	91 20	107 28	102 37	100 32	99 36	97 38	116 -0.28 54	117 -0.73 35	109 28 20	95 11.8 44	93 -1.4 34	86 20 33	91 16.4 36	97 83 39	101 -21 21	108 14.6 45	99 -2.7 28	111 -8.1 17	106 36.8 40	100 12 45	98 22 44	86 -0.36 40	116 2.29 37	111 1.31 36

Breeding Values and Accuracies: Bulls

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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																															
DJW 250008 99358244 250008DJW	2	DJW 220043 DJW 120003		103 67	101 68	97 49	101 21	95 37	98 53	93 32	94 49	97 40	106 0.60 72	91 0.29 48	98 17 21	101 15.3 68	97 -0.1 49	99 52 46	101 24.3 35	97 81 40	104 -24 17	99 9.8 46	94 0.9 39	91 -3.9 25	109 38.8 46	90 6 48	98 22 45	105 1.14 42	100 0.17 38	97 0.21 37	
DJW 250012 99648693 250012DJW	7	DJW 220003 DJW 230008		145 63	92 49	80 39	106 27	111 33	107 43	88 28	101 40	90 40	135 -1.94 69	115 -0.66 40	94 13 27	92 10.2 49	80 -5.4 39	77 -2 38	88 13.6 37	91 56 41	105 -25 12	80 -0.5 45	100 -3.8 40	114 -8.6 21	112 41.2 39	76 -2 46	84 7 45	94 0.24 42	116 2.23 39	105 0.81 39	
DJW 250015 99494478 250015DJW	7	DJW 220003 DJW 230026		126 62	72 63	74 43	130 23	99 34	74 49	76 28	69 45	69 38	161 -4.17 68	105 -0.26 40	77 -3 23	72 -0.8 63	74 -7.0 43	56 -52 43	74 3.1 36	76 -7 39	88 -6 12	77 -1.9 44	96 -0.4 39	92 -4.2 22	115 43.3 41	67 -8 45	72 -6 43	72 -1.56 40	109 1.36 36	101 0.50 36	
DJW 250016 99494486 250016DJW	13	DJW 220003 DJW 200042		129 64	106 65	90 48	87 35	117 37	119 52	100 30	114 48	105 40	126 -1.11 69	100 -0.05 44	116 34 35	106 18.0 65	90 -2.4 48	92 34 49	102 24.7 36	101 100 40	104 -25 14	107 14.2 45	106 -8.4 42	114 -8.7 26	119 46.2 44	97 10 46	104 29 44	90 -0.08 41	130 4.01 38	111 1.32 37	
DJW 250017 99854317 250017DJW	4	DJW 210009 DJW 170023		139 66	99 68	84 51	97 35	110 38	112 54	98 26	108 48	101 34	130 -1.51 71	116 -0.69 47	103 22 35	99 14.2 68	84 -4.0 51	85 18 51	99 22.8 37	97 84 36	97 -16 15	124 23.7 39	109 -11.0 41	100 -5.8 27	113 41.7 47	96 10 39	106 31 38	96 0.42 35	115 2.11 33	114 1.53 32	
DJW 250019 99854325 250019DJW	4	DJW 220003 DJW 230004		126 62	95 63	83 42	106 30	103 34	100 49	92 28	96 45	90 40	124 -0.92 68	99 -0.04 38	94 13 30	95 12.1 63	83 -4.3 42	83 14 45	95 19.3 36	95 74 40	105 -26 13	81 0.1 45	92 2.4 41	106 -7.0 21	112 41.5 41	83 2 46	86 10 44	90 -0.02 42	109 1.36 39	98 0.29 38	
DJW 250022 99854341 250022DJW	4	DJW 220071 DJW 160016		132 67	116 69	92 48	93 31	97 35	124 53	104 30	120 48	110 39	123 -0.90 72	117 -0.74 45	107 26 31	116 23.3 69	92 -1.6 48	105 67 49	112 32.5 36	104 114 39	103 -23 16	109 15.1 45	79 12.8 37	108 -7.3 25	116 43.8 44	98 11 46	114 39 44	112 1.73 41	83 -2.01 37	108 1.10 36	
DJW 250023 6020125925 250023DJW	1	DJW 220043 DJW 140026		122 66	92 68	103 47	103 19	92 35	98 52	88 31	93 48	93 40	119 -0.54 71	101 -0.11 44	95 14 19	92 10.1 68	103 1.7 47	96 45 45	88 14.2 42	95 73 42	105 -26 14	100 10.5 48	85 8.0 39	96 -4.9 22	109 38.8 45	81 0 49	94 18 47	113 1.83 42	92 -0.86 38	105 0.84 37	
DJW 250024 99854358 250024DJW	1	DJW 220043 DJW 160025		89 66	117 68	110 48	82 32	110 36	117 53	111 32	115 49	114 41	93 1.73 71	91 0.27 44	120 38 32	117 23.9 68	110 3.8 48	115 92 49	116 35.6 38	112 145 41	106 -27 18	124 23.1 47	102 -5.0 40	112 -8.3 25	109 39.3 44	104 15 48	117 42 46	119 2.37 43	97 -0.21 39	110 1.24 38	
DJW 250025 6020125586 250025DJW	3	DJW 220003 DJW 230025		149 63	91 64	81 43	106 30	103 34	105 50	94 29	100 46	91 40	144 -2.71 69	118 -0.77 39	94 14 30	91 9.8 64	81 -5.0 43	77 -1 46	83 10.1 38	95 74 41	106 -26 13	87 3.3 46	87 6.6 41	111 -8.1 21	114 42.4 41	78 -1 46	85 8 45	94 0.29 42	108 1.21 39	102 0.58 39	
DJW 250026 99854366 250026DJW	1	DJW 210009 DJW 110009		92 67	118 69	104 52	82 24	95 38	111 54	113 28	110 49	118 34	96 1.44 72	91 0.27 49	120 38 24	118 24.6 69	104 2.1 52	112 84 48	120 38.5 42	113 153 37	110 -31 16	124 23.2 40	84 8.9 38	101 -6.0 27	111 40.3 48	116 22 41	127 54 39	134 3.60 36	96 -0.36 33	114 1.58 33	
DJW 250027 99854374 250027DJW	2	DJW 220043 DJW 130010		77 66	103 67	93 47	101 22	100 34	90 51	90 26	86 46	90 34	86 2.33 71	79 0.75 46	98 17 22	103 16.6 67	93 -1.5 47	98 48 45	105 27.0 33	95 72 35	101 -21 12	96 8.0 41	92 2.8 36	107 -7.2 21	105 36.4 45	88 5 41	92 16 39	95 0.34 36	95 -0.40 32	96 0.12 31	

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Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame		Carcass						
Index EBV Acc	ID Number Name	% Inbreeding	Sire ID Dam ID	Calv. Ease V	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		
DJW 250028	99854382	1	DJW 210009 DJW 190073	108 66	117 55	95 44	94 29	97 36	116 47	111 24	114 42	112 30	104 0.80	113 -0.59	106 25	117 24.1	95 -0.9	109 76	118 37.4	109 133	104 -25	122 22.1	84 9.0	102 -6.1	115 43.0	112 19	116 42	102 0.97	114 2.04	113 1.50		
250028DJW													71	44	29	55	44	43	36	31	15	34	42	24	43	34	33	31	29	29		

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
ID Number Name																														
DJW 110009		JPV 060028		93	109	119	92	94	108	104	105	103	101	77	106	109	119	121	115	104	102	114	87	102	102	107	118	143	67	108
72809247		DJW 030065		89	88	90	79	82	81	80	81	82	1.05	0.84	25	19.4	6.5	104	34.4	113	-23	17.8	6.9	-6.1	34.0	16	45	4.35	-4.04	1.05
11009DJW														89	88	79	88	90	86	84	82	78	84	81	80	85	84	83	82	81
DJW 110027	1 	DJW 080037		78	94	76	114	125	86	84	81	76	90	70	87	94	76	77	99	83	91	75	122	121	107	68	70	96	102	106
73690398		DJW 020001		90	89	91	79	83	82	80	82	80	1.96	1.10	7	11.2	-6.7	-2	22.5	23	-10	-3.0	-21.1	-10.1	38.0	-7	-8	0.46	0.46	0.91
11027DJW														90	89	79	89	91	86	83	82	78	83	84	81	85	82	82	81	80
DJW 120003	1 	VV 080166		85	107	98	108	89	95	88	90	88	92	84	91	107	98	107	107	90	95	89	96	78	106	78	89	91	99	88
4000042731		DJW 060010		91	89	91	82	85	83	82	83	84	1.81	0.55	11	18.3	0.0	72	28.6	50	-14	4.6	-1.0	-1.2	37.3	-1	13	0.02	0.11	-0.52
12003DJW														91	90	82	89	91	87	84	84	81	85	85	82	87	85	84	84	83
DJW 120036	2 	DJW 070061		73	123	117	80	99	114	93	109	107	80	68	122	123	117	125	116	102	116	101	91	117	89	112	116	93	98	117
290820018		DJW 100010		91	89	89	82	85	82	83	82	84	2.82	1.17	40	27.4	5.8	115	35.6	103	-38	11.0	3.5	-9.2	25.3	19	42	0.20	-0.04	1.81
12036DJW														91	90	82	89	89	87	84	84	81	85	86	83	87	85	84	84	83
DJW 120070	2 	DJW 070061		91	117	91	98	98	108	98	104	101	88	120	102	117	91	107	111	98	109	91	82	117	101	90	102	117	92	104
290820331		DJW 990044		91	90	90	85	87	84	85	84	86	2.17	-0.86	21	24.0	-2.0	71	31.7	86	-30	5.5	10.7	-9.3	33.9	6	26	2.21	-0.80	0.77
12070DJW														91	90	85	90	90	88	87	86	83	87	88	84	88	87	87	86	86
DJW 130010		VV 080166		87	94	84	112	100	82	80	77	72	100	58	88	94	84	84	98	83	88	81	93	109	98	73	75	68	90	85
290837889		DJW 090041		87	86	88	80	82	80	79	80	79	1.08	1.55	8	11.3	-4.1	15	21.7	22	-5	0.0	1.9	-7.7	31.8	-4	-3	-1.84	-1.05	-0.76
13010DJW														87	87	80	86	88	85	80	79	78	80	82	79	84	80	79	79	79
DJW 140023	3 	DJW 100033		116	100	107	112	92	107	88	101	87	110	114	86	100	107	111	100	92	108	80	100	74	114	81	91	126	64	100
290936475		DJW 040074		87	86	88	84	82	80	80	80	80	0.23	-0.61	6	14.9	2.8	81	23.1	59	-29	-0.4	-3.6	-0.4	42.4	0	15	2.94	-4.37	0.39
14023DJW														87	87	84	86	88	86	82	81	78	81	83	79	85	81	81	80	80
DJW 140026		DT 100129		141	82	108	111	84	95	81	89	83	136	104	87	82	108	93	75	88	100	94	79	88	105	63	85	110	84	105
290936509		DJW 050014		88	87	87	78	81	80	80	80	80	-1.97	-0.22	7	4.7	3.2	38	4.2	42	-20	7.3	13.3	-3.3	36.6	-10	8	1.62	-1.92	0.80
14026DJW														88	86	78	87	87	84	83	81	77	83	82	78	84	83	82	81	80
DJW 160016	1 	DJW 100033		126	122	100	100	94	131	102	125	110	119	121	99	122	100	121	124	103	99	126	75	104	117	92	115	112	88	113
291051993		DJW 120025		90	89	90	86	85	83	84	83	84	-0.53	-0.87	18	26.7	0.8	105	41.5	106	-18	24.7	16.0	-6.7	44.5	7	41	1.78	-1.31	1.51
160016DJW														90	89	86	89	90	88	85	84	82	85	86	83	86	85	85	84	84
DJW 160025	1 	DJW 130029		98	117	123	74	119	130	117	128	115	104	81	129	117	123	122	119	112	96	132	114	119	107	99	118	113	93	112
291059228		DJW 100026		90	89	90	85	85	83	84	83	84	0.77	0.65	47	24.2	7.7	108	37.6	146	-16	27.5	-15.2	-9.6	37.6	12	44	1.87	-0.71	1.40
16025DJW														90	88	85	89	90	88	85	85	82	86	86	83	86	86	85	85	85
DJW 170023	1 	DJW 130073		136	79	79	130	122	99	79	92	74	153	127	76	79	79	68	81	77	78	120	135	101	106	73	82	71	106	108
291110971		DJW 070001		88	87	88	82	82	81	80	81	81	-3.45	-1.13	-3	3.3	-5.6	-23	8.6	-4	6	21.5	-31.7	-6.1	37.2	-4	5	-1.58	0.97	1.07
170023DJW														88	86	82	87	88	86	81	81	78	83	83	80	84	83	82	81	81
DJW 170073	1 	VV 100149		84	129	93	97	80	111	112	110	117	84	103	102	129	93	120	124	113	111	129	86	74	103	105	116	123	98	107
291122745		DJW 110044		89	88	87	82	84	81	82	81	82	2.50	-0.19	22	30.8	-1.3	103	41.7	151	-33	26.4	7.6	-0.5	35.2	15	42	2.65	-0.08	1.03
170073DJW														89	87	82	88	87	86	84	83	81	84	85	82	86	83	83	83	82

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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																													
DJW 190046 291246619 190046DJW	1	KVS 160113 DJW 120070	84 87	129 87	112 86	87 82	106 83	128 80	123 81	128 80	117 82	80 2.80 88	102 -0.13 85	113 32 82	129 30.7 87	112 4.5 86	131 129 85	126 43.2 82	117 166 82	116 -39 79	122 22.5 83	74 17.1 84	135 -12.9 80	110 39.9 84	116 22 83	117 43 82	112 1.76 82	81 -2.29 81	108 1.11 81
DJW 190064 291246791 190064DJW	2	DJW 160023 DJW 100032	84 88	106 88	107 87	96 84	93 84	97 81	99 82	95 81	94 83	91 1.86 89	82 0.62 86	102 21 84	106 18.1 88	107 2.8 87	110 79 86	106 27.9 84	99 91 83	105 -26 82	122 22.2 83	78 13.4 85	105 -6.9 83	108 38.2 85	98 11 83	98 22 83	89 -0.10 83	85 -1.69 83	96 0.07 83
DJW 190073 291246882 190073DJW	1	KVS 160113 DJW 150055	111 88	118 88	97 86	107 83	96 84	121 81	115 82	119 81	108 83	106 0.57 89	123 -0.95 86	92 12 83	118 24.5 88	97 -0.3 86	117 95 86	120 38.9 83	108 131 83	100 -20 81	123 22.8 84	82 10.6 86	106 -7.1 82	109 39.2 85	115 21 84	112 38 83	95 0.38 83	106 0.92 83	110 1.20 82
DJW 200034 291292456 200034DJW	1	VV 140112 DJW 160016	120 90	108 89	109 88	117 85	92 86	120 83	96 84	114 83	105 84	113 0.00 90	118 -0.78 88	82 3 85	108 19.3 89	109 3.4 88	123 109 87	110 30.7 85	99 92 85	101 -22 83	108 14.5 85	79 12.5 87	95 -4.7 84	117 44.8 87	89 6 85	106 31 85	95 0.32 85	123 3.12 84	114 1.53 84
DJW 200042 291292530 200042DJW	1	VV 140112 DJW 160025	105 89	113 89	102 88	79 85	126 85	123 82	102 84	118 82	109 84	111 0.20 89	80 0.70 87	124 42 85	113 21.6 89	102 1.3 88	104 64 87	111 32.0 84	101 100 84	97 -16 82	115 18.5 85	115 -15.6 86	121 -10.0 83	120 46.8 86	100 12 85	111 37 85	93 0.21 84	126 3.51 84	113 1.51 84
DJW 220006 291381366 220006DJW	1	SS 160075 DJW 130067	129 86	90 84	91 83	89 80	114 82	102 78	105 82	100 79	104 82	125 -1.02 87	105 -0.25 83	112 31 80	90 9.4 84	91 -2.0 83	80 5 82	86 12.0 82	105 117 82	101 -21 81	108 14.5 83	100 -3.5 82	117 -9.2 80	118 45.4 84	105 15 83	105 30 83	103 0.99 82	112 1.78 81	113 1.49 81
DJW 220063 291420479 220063DJW	2	DJW 190042 DJW 160037	89 86	119 86	82 82	87 80	108 82	109 79	112 80	108 79	112 81	92 1.81 87	97 0.05 83	115 34 80	119 25.2 86	82 -4.6 82	98 48 83	117 36.0 82	112 147 81	110 -32 79	117 19.7 82	100 -3.6 83	107 -7.3 80	114 42.7 82	100 12 82	107 32 82	138 3.90 81	71 -3.50 81	100 0.45 81
DJW 220069 291420529 220069DJW	1	SP 140020 DJW 150061	85 87	101 87	98 86	109 83	113 84	99 80	90 82	95 80	91 82	91 1.92 88	88 0.39 84	90 10 83	101 15.2 87	98 0.1 86	102 60 85	102 24.6 82	95 73 82	119 -42 81	87 3.4 83	92 2.3 85	130 -11.9 81	107 38.0 85	77 -2 83	83 6 82	78 -1.03 82	91 -1.02 82	120 2.07 81
DJW 220078 291420602 220078DJW		SS 160075 DJW 160031	111 86	99 86	83 84	111 82	83 82	90 79	96 82	88 80	93 82	109 0.37 87	105 -0.28 83	89 9 82	99 14.4 86	83 -4.4 84	88 26 84	99 22.7 82	94 67 82	89 -7 81	93 6.9 83	68 21.7 83	91 -3.9 80	115 43.1 83	87 4 83	97 21 82	79 -1.00 82	110 1.53 81	111 1.34 81
DJW 220080 291420628 220080DJW		SS 160075 DJW 190064	91 86	106 86	89 84	105 82	94 82	95 79	99 82	92 80	96 82	92 1.81 87	103 -0.17 83	94 13 82	106 17.7 86	89 -2.6 84	98 49 84	104 26.0 82	99 92 82	101 -21 81	109 15.1 82	72 18.6 83	106 -7.1 80	119 46.0 83	100 12 82	99 23 82	89 -0.17 82	107 1.14 81	103 0.63 81
DJW 230004 95844478 230004DJW	1	DJW 180053 DJW 200061	82 85	118 86	81 83	99 81	96 81	100 79	110 80	100 79	107 82	88 2.11 86	85 0.50 82	102 21 81	118 24.6 86	81 -5.0 83	100 55 83	118 37.3 82	112 145 81	115 -37 79	85 2.4 82	79 12.9 83	111 -8.1 79	106 37.1 82	100 12 82	103 28 82	121 2.47 82	87 -1.52 81	95 -0.02 81
DJW 230008 95844502 230008DJW	13	DJW 180053 DJW 200109	105 86	109 86	78 83	104 81	112 82	107 79	96 82	103 80	100 82	100 1.10 87	116 -0.69 83	96 16 81	109 19.6 86	78 -5.9 83	91 32 83	103 25.3 82	99 91 82	110 -32 80	79 -1.0 83	98 -2.0 84	124 -10.6 80	106 37.0 83	80 0 83	93 17 83	121 2.54 83	100 0.16 82	106 0.90 82

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ID Number Name																													
DJW 230011 95861530 230011DJW	2	 DJW 180053  DJW 200034	85 87	119 87	101 84	107 82	86 83	108 80	108 82	106 80	110 84	87 2.26 88	101 -0.12 84	91 11	119 25.1 87	101 1.1 84	122 108 84	120 38.7 84	111 142 83	113 -35 81	89 4.6 84	76 15.5 84	96 -4.9 82	104 35.8 84	88 5 84	107 32 84	127 3.01 84	97 -0.19 83	104 0.77 83
DJW 230015 95868485 230015DJW	1	 JH 190072  DJW 200084	96 86	103 85	96 82	98 79	89 81	93 78	102 80	92 78	97 81	97 1.36 87	99 -0.04 81	101 20 79	103 16.2 85	96 -0.4 82	99 51 82	107 28.4 82	102 105 81	95 -14 79	106 13.7 82	83 9.5 81	96 -5.0 79	101 33.4 82	88 5 82	102 27 81	84 -0.55 81	91 -1.02 81	79 -1.26 81
DJW 230016 95861571 230016DJW	6	DJW 180053 DJW 150076	103 69	116 70	90 53	94 33	92 42	109 56	109 37	107 52	109 52	104 0.80 74	98 0.01 51	106 25 33	116 23.5 70	90 -2.3 53	104 64 52	114 34.0 58	106 121 51	104 -24 20	91 5.5 55	74 16.9 48	110 -7.8 26	105 36.3 51	97 10 56	112 37 55	120 2.38 53	85 -1.70 51	110 1.26 51
DJW 230024 95861654 230024DJW	3	 DJW 180053  DJW 160056	100 87	120 87	87 84	92 81	98 83	112 80	109 82	110 80	109 84	100 1.08 88	99 -0.04 84	110 28 81	120 25.5 87	87 -3.1 84	104 64 84	118 37.3 84	111 140 83	111 -33 81	87 3.2 84	85 8.4 83	114 -8.7 81	99 32.1 84	88 5 84	106 31 84	124 2.78 84	77 -2.81 83	103 0.65 83
DJW 230025 95861662 230025DJW	1	 DJW 180053  DJW 190049	120 86	113 86	80 83	96 81	95 81	110 79	117 80	110 79	113 82	114 -0.07 87	123 -0.95 82	105 24 81	113 21.5 86	80 -5.4 83	93 37 83	97 21.2 82	115 160 81	117 -40 79	101 10.8 82	68 21.7 83	122 -10.2 79	108 38.7 82	94 9 82	105 30 82	131 3.35 82	84 -1.80 81	102 0.62 81
DJW 230026 95861670 230026DJW	1	 DJW 200076  DJW 140098	126 86	96 86	62 84	121 80	87 82	88 79	93 81	86 79	84 82	123 -0.91 87	101 -0.09 84	82 2	96 12.7 86	62 -10.7 84	69 -21 83	98 21.4 82	90 53 82	94 -13 80	94 7.2 83	80 11.9 83	88 -3.3 80	111 40.7 83	88 5 83	93 17 82	101 0.83 82	88 -1.35 81	104 0.76 81
DJW 230029 95868501 230029DJW	1	 JH 190072  DJW 130056	94 87	99 87	85 84	114 82	95 83	89 80	103 82	89 80	89 82	96 1.47 88	98 0.02 83	86 6 82	99 14.2 87	85 -3.8 84	91 32 84	102 24.4 83	96 80 82	83 0 80	96 8.0 83	91 3.0 83	97 -5.1 81	105 36.4 84	83 2 83	99 23 83	70 -1.69 82	83 -1.96 82	83 -0.99 82
DJW 230031 95861704 230031DJW	1	 DJW 180053  DJW 160014	102 87	114 87	73 85	103 82	117 83	111 80	102 82	108 80	98 82	102 0.98 88	102 -0.14 84	98 17 82	114 22.3 87	73 -7.4 85	91 33 85	116 35.2 84	99 93 82	105 -26 80	82 0.7 83	114 -15.2 84	114 -8.7 80	105 36.7 84	86 4 83	96 20 83	126 2.89 82	77 -2.81 82	100 0.44 82
DJW 230033 96070909 230033DJW	1	 JH 190072  DJW 190073	96 86	119 86	78 83	106 81	102 83	110 79	119 81	110 79	109 82	91 1.87 87	117 -0.74 83	94 14 81	119 25.2 86	78 -6.1 83	101 56 83	118 37.4 83	114 154 82	105 -26 80	110 15.9 82	95 0.5 84	103 -6.4 81	110 39.8 84	102 13 83	110 35 82	98 0.58 82	89 -1.17 82	90 -0.39 82
DJW 230035 96070917 230035DJW	1	 JH 190072  DJW 160064	87 87	122 87	99 84	93 81	96 83	113 80	115 82	113 80	112 82	65 4.15 88	110 -0.45 83	107 26 81	122 26.9 87	99 0.3 84	116 94 84	122 40.0 84	113 152 82	103 -24 81	117 19.3 83	91 3.5 83	100 -5.8 81	105 36.1 84	99 12 83	119 45 83	109 1.47 83	82 -2.16 82	90 -0.42 82
DJW 230039 96064316 230039DJW	3	 DJW 180053  DJW 190064	83 86	129 87	83 83	93 81	95 82	112 79	116 82	111 80	113 83	71 3.61 87	98 0.01 83	108 27 81	129 30.7 87	83 -4.5 83	109 77 84	125 42.1 84	116 164 83	120 -43 80	107 14.0 83	77 14.3 83	116 -9.1 81	100 32.7 83	99 12 83	109 35 83	134 3.60 83	80 -2.39 83	104 0.76 82
DJW 230045 96070883 230045DJW	1	 JH 190072  DJW 170076	96 86	110 87	84 83	114 81	97 82	103 79	96 82	99 80	90 82	92 1.81 87	116 -0.70 83	86 6 81	110 20.3 87	84 -4.2 83	101 56 84	111 31.4 83	93 67 82	100 -19 80	73 -4.1 83	91 3.0 82	101 -6.1 81	104 36.0 83	73 -4 83	89 13 83	101 0.86 82	72 -3.37 82	81 -1.14 82

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DJW 230049 96358833 230049DJW	1	DJW 180053 96358833 230049DJW		101 85	114 86	67 82	102 78	97 81	99 78	102 80	97 78	100 81	102 0.95 86	96 0.07 81	100 19 78	114 22.1 86	67 -9.3 82	85 17 82	111 31.5 82	104 111 81	106 -27 78	85 2.3 81	94 0.7 81	96 -5.0 79	107 37.6 82	89 6 82	102 26 81	131 3.32 81	75 -3.02 81	102 0.59 81
DJW 240011 97426886 240011DJW	4	DJW 200062 97426886 240011DJW		114 64	113 50	97 38	102 23	111 33	123 43	109 34	120 41	106 40	109 0.36 70	113 -0.58 39	97 16 23	113 22.0 50	97 -0.2 38	111 80 37	112 32.6 40	105 115 40	97 -17 23	127 25.2 45	95 0.3 39	115 -8.8 20	119 45.9 40	103 14 46	111 37 44	91 0.00 41	94 -0.54 38	110 1.21 37
DJW 240012 97426894 240012DJW	1	DJW 190012 97426894 240012DJW		124 86	91 86	100 84	107 81	101 82	101 79	72 80	92 79	76 80	117 -0.39 87	124 -0.99 83	91 11 81	91 9.8 86	100 0.9 84	94 41 84	94 18.7 82	80 8 81	97 -16 80	91 5.7 81	92 2.6 82	98 -5.5 80	117 44.7 83	69 -6 81	76 -1 81	84 -0.53 81	89 -1.26 80	105 0.84 80
DJW 240015 97863880 240015DJW	1	BR 200023 97863880 240015DJW		81 85	125 84	96 82	83 78	115 81	119 78	104 78	116 78	114 79	72 3.51 86	92 0.25 82	120 38 78	125 28.6 84	96 -0.5 82	112 84 81	114 33.8 81	110 136 79	113 -35 78	103 12.3 80	111 -12.3 81	121 -10.1 79	95 29.7 82	115 21 79	118 44 79	109 1.48 79	100 0.20 79	114 1.55 79
DJW 240016 97426902 240016DJW	4	DJW 200062 97426902 240016DJW		109 64	112 50	99 41	97 23	108 33	118 44	108 28	115 41	104 38	108 0.41 70	100 -0.08 39	102 21 23	112 21.5 50	99 0.3 41	109 77 38	117 36.6 40	103 108 39	98 -17 14	132 27.6 44	102 -5.2 39	107 -7.2 20	110 40.0 40	105 15 45	112 38 43	85 -0.50 40	90 -1.09 37	102 0.57 36
DJW 240017 97426951 240017DJW	9	DJW 200062 97426951 240017DJW		120 63	112 51	96 38	103 24	106 33	122 44	108 29	119 41	106 40	113 -0.04 69	121 -0.87 38	96 15 24	112 21.3 51	96 -0.5 38	109 76 38	110 30.8 40	106 120 41	106 -26 13	122 22.6 45	93 2.1 39	113 -8.5 19	111 40.1 40	97 10 46	108 33 44	104 1.12 42	83 -2.05 39	103 0.68 38
DJW 240022 97662613 240022DJW	2	DJW 180053 97662613 240022DJW		91 86	110 87	91 84	94 82	113 83	106 80	104 82	103 80	107 83	95 1.53 87	89 0.35 83	107 26 82	110 19.9 87	91 -1.9 84	99 52 84	108 29.1 84	105 115 83	103 -24 80	86 2.6 83	98 -2.2 83	120 -9.8 81	114 42.2 84	86 3 84	103 28 83	118 2.24 83	107 1.05 83	108 1.06 83
DJW 240027 97662639 240027DJW	5	DJW 170037 97662639 240027DJW		100 65	110 56	101 44	99 25	97 37	108 47	104 32	106 44	101 42	102 0.93 70	93 0.21 44	99 19 25	110 20.4 56	101 0.9 44	110 79 42	115 34.5 42	103 106 42	100 -20 17	129 25.9 47	81 11.3 42	112 -8.3 23	105 36.6 47	107 16 47	107 32 45	76 -1.20 43	98 -0.04 40	103 0.68 39
DJW 240037 97662712 240037DJW	1	JH 190072 97662712 240037DJW		98 87	107 85	97 84	108 82	98 83	105 79	112 82	104 80	100 82	96 1.46 88	109 -0.43 84	90 10 82	107 18.5 85	97 0.0 84	107 72 84	108 29.5 83	104 111 83	88 -6 81	105 13.3 83	96 -0.7 83	97 -5.2 81	106 37.4 84	92 7 83	109 35 83	82 -0.72 83	88 -1.36 82	83 -0.95 82
DJW 240043 97878516 240043DJW		JH 190072 97878516 240043DJW		100 67	89 70	94 52	124 29	98 41	87 55	91 34	84 51	78 42	97 1.38 72	111 -0.48 47	80 0 29	89 8.8 70	94 -1.1 52	91 32 50	97 20.8 40	92 62 43	96 -15 20	82 0.5 48	103 -6.3 46	91 -4.0 26	101 33.6 50	78 -1 49	84 8 47	88 -0.19 44	76 -2.91 40	76 -1.52 40
DJW 240050 98076615 240050DJW	3	DJW 210009 98076615 240050DJW		92 86	114 86	97 83	89 81	96 81	105 79	104 80	103 79	107 81	97 1.34 87	85 0.52 82	112 31 81	114 22.3 86	97 -0.3 83	105 67 83	115 34.7 82	108 128 81	112 -34 80	121 21.8 81	86 7.5 82	97 -5.1 80	117 44.8 82	106 16 81	112 38 81	107 1.32 81	106 0.91 81	103 0.67 81
DJW 240054 98076649 240054DJW	6	DJW 210009 98076649 240054DJW		114 86	103 85	88 83	101 81	89 82	99 79	94 81	95 79	96 81	115 -0.15 87	92 0.22 83	98 17 81	103 16.5 85	88 -3.0 83	93 37 83	105 27.3 82	97 81 81	105 -25 80	105 12.9 82	81 11.5 82	92 -4.2 81	112 40.9 83	91 6 82	99 24 81	96 0.47 81	106 0.95 81	113 1.50 81

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ID Number Name																													
DJW 240055	1	JH 190072 DJW 190073	106 86	105 87	86 83	109 81	97 83	101 80	106 82	100 80	97 82	101 1.03	121 -0.89	90 10	105 17.3	86 -3.4	96 45	107 28.4	101 98	95 -14	99 10.0	94 0.9	96 -5.0	106 37.3	90 6	100 24	83 -0.60	99 0.07	87 -0.60
DJW 240056	1	DJW 210009 DJW 110027	99 86	106 86	85 84	96 80	108 82	101 79	102 80	99 79	104 80	106 0.64	79 0.73	104 23	106 18.1	85 -3.8	92 34	109 29.9	105 116	109 -30	103 12.2	100 -4.0	108 -7.4	111 40.4	95 9	101 25	109 1.47	119 2.61	115 1.67
DJW 240057	1	DJW 210009 DJW 110009	112 86	108 87	104 84	90 80	103 82	114 79	102 81	110 79	107 81	111 0.17	99 -0.01	110 29	108 18.9	104 2.1	107 71	112 32.2	102 106	101 -21	114 17.8	96 -0.8	101 -6.1	114 42.6	105 15	117 43	123 2.63	105 0.85	112 1.39
DJW 240058	1	JH 190072 DJW 130010	78 68	104 59	80 52	109 27	98 40	87 51	96 32	85 47	85 38	76 3.21	86 0.49	91 10	104 17.0	80 -5.2	90 30	106 27.8	95 73	94 -12	85 2.2	97 -1.1	101 -6.0	100 32.8	75 -3	87 10	78 -1.08	80 -2.31	72 -1.83
DJW 240059	1	JH 190072 DJW 200034	92 86	105 85	93 84	107 82	96 83	97 79	101 82	95 80	98 82	89 2.10	115 -0.66	92 11	105 17.2	93 -1.3	101 57	105 26.9	99 92	96 -15	95 7.9	91 3.4	93 -4.3	114 42.2	80 0	98 22	77 -1.15	111 1.67	88 -0.54
DJW 250007	1	SS 200146 DJW 120070	84 56	119 53	88 50	92 33	113 40	112 46	113 44	111 46	114 44	79 2.92	103 -0.17	109 28	119 25.3	88 -2.8	105 65	119 37.7	115 160	126 -51	105 12.8	100 -3.6	120 -9.9	109 39.4	96 10	105 30	125 2.86	97 -0.15	104 0.73
DJW 250009	1	SS 200146 DJW 120036	76 68	133 67	101 50	78 28	111 39	125 53	118 44	123 51	126 42	57 4.77	78 0.78	126 44	133 32.7	101 1.0	120 102	130 46.5	124 200	134 -59	117 19.5	101 -4.4	123 -10.4	98 31.9	116 22	121 47	122 2.54	101 0.32	112 1.42
DJW 250010	1	SS 200146 DJW 170073	82 65	136 65	88 47	87 26	101 38	123 51	126 40	123 49	129 39	64 4.17	96 0.09	115 34	136 34.2	88 -2.9	117 94	134 49.1	129 220	131 -56	130 26.8	99 -2.8	101 -6.0	105 36.4	111 19	120 46	135 3.64	101 0.28	107 1.00
DJW 250011	1	DJW 220003 DJW 110027	128 68	86 54	79 52	111 23	117 38	96 48	82 30	90 44	78 39	127 -1.22	92 0.23	89 9	86 6.7	79 -5.7	71 -16	87 13.1	83 22	95 -14	78 -1.5	112 -13.3	112 -8.3	113 41.8	70 -6	73 -5	81 -0.80	117 2.38	105 0.81
DJW 250013	1	DJW 220003 DJW 230031	149 63	90 63	78 43	113 31	113 34	108 49	84 28	101 45	80 40	141 -2.45	107 -0.35	87 7	90 9.1	78 -5.9	75 -6	90 15.7	85 29	97 -16	75 -3.2	110 -12.1	107 -7.3	112 41.2	71 -5	78 0	88 -0.22	104 0.67	100 0.42
DJW 250014	2	DJW 220003 DJW 230033	140 63	97 49	80 38	107 24	106 33	108 43	99 29	104 40	94 38	131 -1.53	116 -0.68	93 12	97 13.1	80 -5.5	82 10	96 19.7	98 88	102 -22	96 8.0	98 -2.5	103 -6.5	114 42.7	87 4	92 16	82 -0.73	111 1.57	97 0.16
DJW 250018	1	DJW 200076 DJW 220080	107 63	93 65	84 43	111 26	95 34	88 50	96 32	86 46	88 40	108 0.39	94 0.16	89 8	93 11.0	84 -4.1	83 13	96 20.3	91 57	84 -1	101 10.8	84 9.0	99 -5.5	115 43.2	88 5	95 19	98 0.58	97 -0.22	98 0.27

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	
ID Number Name																														
DJW 250020 99860637 250020DJW	3	DJW 220043 DJW 200034	122 63	107 65	101 43	104 26	96 35	115 50	97 28	110 46	106 38	117 -0.35 69	109 -0.43 41	94 14 26	107 18.4 65	101 0.9 43	109 75 45	106 27.9 34	102 105 38	107 -28 12	109 15.0 43	84 8.8 40	100 -5.9 24	114 42.4 42	96 9 44	107 32 42	107 1.33 40	112 1.68 36	110 1.24 35	
DJW 250021 99854333 250021DJW	4	DJW 220058 DJW 220078	113 61	102 63	86 38	106 25	98 30	101 47	102 33	99 44	96 38	112 0.04 67	98 0.00 35	93 12 25	102 15.7 63	86 -3.5 38	92 35 42	106 27.6 34	98 87 39	93 -12 22	92 6.2 44	85 7.9 34	100 -5.8 18	118 45.6 38	86 4 45	95 19 43	93 0.23 40	92 -0.81 37	109 1.17 36	
DJW 260001 99854390 260001DJW	1	DJW 220071 DJW 220069	84 63	115 65	93 42	96 27	107 33	108 49	99 29	104 45	102 36	82 2.63 69	102 -0.15 37	104 23 27	115 23.2 65	93 -1.3 42	107 71 45	110 31.1 32	102 103 37	113 -36 17	90 5.1 42	86 7.3 37	122 -10.2 22	112 40.9 41	93 8 43	99 24 41	96 0.44 38	84 -1.85 34	112 1.41 33	
DJW 260002 99854408 260002DJW	2	DJW 220071 DJW 190046	85 64	118 66	104 44	92 24	104 33	114 50	107 29	111 46	104 39	84 2.48 70	106 -0.31 41	108 26 24	118 24.6 66	104 2.0 44	117 95 45	113 33.6 34	104 113 40	106 -27 13	99 10.1 45	80 12.2 37	122 -10.2 21	113 41.9 42	102 13 46	106 31 44	103 1.04 41	78 -2.58 37	104 0.74 36	
DJW 260003 6020074982 260003DJW	3	DJW 210009 DJW 190064	99 54	109 55	99 46	90 29	95 36	104 45	103 24	102 41	105 28	101 0.98 57	93 0.21 43	111 30 29	109 19.7 55	99 0.5 46	104 63 43	109 30.4 36	104 113 30	107 -28 16	121 21.8 32	82 10.4 41	101 -6.0 24	114 42.3 44	103 14 32	109 34 31	100 0.73 29	104 0.73 27	106 0.93 27	

Selection List on Cow Value

Bulls 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	
Sorted on ID						nt821 Q204X F94L Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	
											★★★★★				
1	DJW 240013	240013DJW	DJW 200062	DJW 200081	16.8		130 63	118 51	103 41	104 27	110 34	138 44	114 30	134 41	
											★★★★★☆☆				
1	DJW 230013	230013DJW	HDH 170171	DJW 190046	0.5		100 67	127 68	99 49	83 28	101 42	125 54	124 43	125 52	
2	DJW 230052	230052DJW	DJW 180053	DJW 200071	0.6		92 67	127 68	93 47	92 32	102 38	121 53	130 44	122 51	
3	DJW 240018	240018DJW	DJW 200062	DJW 210032	2.6		112 62	115 50	99 37	97 20	104 32	120 42	113 29	118 39	
4	DJW 240020	240020DJW	DJW 200062	DJW 200084	6.3		118 64	112 51	109 40	93 27	101 33	122 44	107 30	118 41	
5	DJW 240023	240023DJW	SS 200146	DJW 160016	1.1		91 66	132 67	89 51	86 37	108 38	127 53	125 42	126 51	
6	DJW 240031	240031DJW	DJW 210016	DJW 190046	2.8		109 64	120 65	99 45	88 27	103 34	122 50	115 30	120 46	
											★★★★★				
1	DJW 210009	210009DJW	VV 140112	DJW 160001	0.8	HH 0 0 0 🇬🇧	114 92	112 92	92 88	83 86	98 87	111 84	108 86	108 84	
2	DJW 230022	230022DJW	DJW 200076	DJW 160025	1.1		78 66	120 69	99 52	81 34	108 39	111 54	128 45	113 52	
3	DJW 230027	230027DJW	DJW 180053	DJW 170003	2.6		97 69	122 70	82 53	93 37	102 41	113 56	98 44	108 54	
4	DJW 240044	240044DJW	DJW 200076	DJW 160025	1.1		105 66	112 69	97 52	83 34	108 39	112 54	120 33	113 50	
5	DJW 240046	240046DJW	DJW 210009	DJW 170023	4.1		120 66	107 68	85 51	94 35	110 38	112 54	102 26	108 48	
											★★★★★☆☆				
1	DJW 230023	230023DJW	DJW 200076	DJW 110009	0.7		96 67	107 69	97 53	94 21	95 38	100 54	114 43	100 52	
2	DJW 230032	230032DJW	DJW 180053	DJW 140026	1.7		116 69	104 71	89 54	100 27	93 41	102 56	96 45	99 54	
3	DJW 230037	230037DJW	DJW 180053	DJW 160036	4.0		100 69	114 71	81 54	99 34	107 42	108 56	116 46	108 54	
4	DJW 230054	230054DJW	JH 190072	DJW 180074	0.6		79 65	114 58	93 46	105 21	97 39	101 48	107 34	100 45	
5	DJW 240008	240008DJW	JH 190072	DJW 170073	1.2		86 67	120 59	84 49	102 24	89 41	103 50	111 34	102 47	
											★★★★				
1	DJW 230021	230021DJW	DJW 180053	DJW 110027	1.7		78 70	106 72	78 57	105 26	114 42	93 57	102 44	92 54	
2	DJW 230034	230034DJW	JH 190072	DJW 160031	0.8		83 68	113 71	87 51	100 30	87 41	94 55	111 48	94 54	
3	DJW 230040	230040DJW	JH 190072	DJW 160027	1.0		88 68	109 71	89 53	100 36	82 42	90 56	106 48	90 54	

Selection List on Cow Value

Bulls 2 years and older

ID Name Sorted on ID		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	
4	DJW 230047	230047DJW	JH 190072	DJW 120070	0.8					8969	11271	8353	10231	9843	9956	10648	9854	
1	DJW 220003	220003DJW	VV 140112	DJW 130023	0.6					13077	7970	8259	10838	10950	8760	7946	8157	

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value										
Sorted on ID						nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc										
										★★★★★★																	
1	DJW 160016	160016DJW	DJW 100033	DJW 120025	1.0	HH	0	0	0		126	90	122	89	100	90	100	86	94	85	131	83	102	84	125	83	
2	DJW 160025	16025DJW	DJW 130029	DJW 100026	0.6	HH	0	0	0		98	90	117	89	123	90	74	85	119	85	130	83	117	84	128	83	
										★★★★★★☆																	
1	DJW 190046	190046DJW	KVS 160113	DJW 120070	1.0	PcH	0	0	0		84	87	129	87	112	86	87	82	106	83	128	80	123	81	128	80	
2	DJW 190073	190073DJW	KVS 160113	DJW 150055	0.6	HH	0	0	0		111	88	118	88	97	86	107	83	96	84	121	81	115	82	119	81	
3	DJW 200034	200034DJW	VV 140112	DJW 160016	0.8	HH	0	0	0		120	90	108	89	109	88	117	85	92	86	120	83	96	84	114	83	
4	DJW 200042	200042DJW	VV 140112	DJW 160025	0.8	HH	0	0	0		105	89	113	89	102	88	79	85	126	85	123	82	102	84	118	82	
5	DJW 240011	240011DJW	DJW 200062	DJW 210046	3.7						114	64	113	50	97	38	102	23	111	33	123	43	109	34	120	41	
6	DJW 240017	240017DJW	DJW 200062	DJW 210038	8.5						120	63	112	51	96	38	103	24	106	33	122	44	108	29	119	41	
										★★★★★★																	
1	DJW 120036	12036DJW	DJW 070061	DJW 100010	2.3	HH	1	0	0		73	91	123	89	117	89	80	82	99	85	114	82	93	83	109	82	
2	DJW 170073	170073DJW	VV 100149	DJW 110044	1.1	PcH	0	0	0		84	89	129	88	93	87	97	82	80	84	111	81	112	82	110	81	
3	DJW 230024	230024DJW	DJW 180053	DJW 160056	3.2	HH	1	0	0		100	87	120	87	87	84	92	81	98	83	112	80	109	82	110	80	
4	DJW 230025	230025DJW	DJW 180053	DJW 190049	0.8	HH	1	0	0		120	86	113	86	80	83	96	81	95	81	110	79	117	80	110	79	
5	DJW 230031	230031DJW	DJW 180053	DJW 160014	1.3	HH	0	0	0		102	87	114	87	73	85	103	82	117	83	111	80	102	82	108	80	
6	DJW 230033	230033DJW	JH 190072	DJW 190073	1.1	HH	1	0	0		96	86	119	86	78	83	106	81	102	83	110	79	119	81	110	79	
7	DJW 230035	230035DJW	JH 190072	DJW 160064	0.8	HH	0	0	0		87	87	122	87	99	84	93	81	96	83	113	80	115	82	113	80	
8	DJW 230039	230039DJW	DJW 180053	DJW 190064	2.9	HH	1	0	0		83	86	129	87	83	83	93	81	95	82	112	79	116	82	111	80	
9	DJW 240015	240015DJW	BR 200023	DJW 120036	1.0	HH	1	0	0		81	85	125	84	96	82	83	78	115	81	119	78	104	78	116	78	
10	DJW 240016	240016DJW	DJW 200062	DJW 210079	4.1						109	64	112	50	99	41	97	23	108	33	118	44	108	28	115	41	
11	DJW 240057	240057DJW	DJW 210009	DJW 110009	0.9	HH	1	0	0		112	86	108	87	104	84	90	80	103	82	114	79	102	81	110	79	
										★★★★★★☆																	
1	DJW 110009	11009DJW	JPV 060028	DJW 030065	0.1	HH	1	0	0		93	89	109	88	119	90	92	79	94	82	108	81	104	80	105	81	
2	DJW 120070	12070DJW	DJW 070061	DJW 990044	1.5	PcH	0	0	0		91	91	117	90	91	90	98	85	98	87	108	84	98	85	104	84	
3	DJW 140023	14023DJW	DJW 100033	DJW 040074	2.9	HH	1	0	0		116	87	100	86	107	88	112	84	92	82	107	80	88	80	101	80	
4	DJW 220006	220006DJW	SS 160075	DJW 130067	1.1	HH	0	0	0		129	86	90	84	91	83	89	80	114	82	102	78	105	82	100	79	

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin				Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value								
Sorted on ID						nt821	Q204X	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc								
★★★★☆																									
5	DJW 220063	220063DJW	DJW 190042	DJW 160037	1.6	HH	0	0	0	89	86	119	86	82	82	87	80	108	82	109	79	112	80	108	79
6	DJW 230004	230004DJW	DJW 180053	DJW 200061	1.1	HH	0	0	0	82	85	118	86	81	83	99	81	96	81	100	79	110	80	100	79
7	DJW 230008	230008DJW	DJW 180053	DJW 200109	13.2	PcH	0	0	0	105	86	109	86	78	83	104	81	112	82	107	79	96	82	103	80
8	DJW 230011	230011DJW	DJW 180053	DJW 200034	2.4	HH	1	0	0	85	87	119	87	101	84	107	82	86	83	108	80	108	82	106	80
9	DJW 230016	230016DJW	DJW 180053	DJW 150076	5.6					103	69	116	70	90	53	94	33	92	42	109	56	109	37	107	52
10	DJW 230045	230045DJW	JH 190072	DJW 170076	0.7	HH	0	0	0	96	86	110	87	84	83	114	81	97	82	103	79	96	82	99	80
11	DJW 240012	240012DJW	DJW 190012	DJW 120025	1.0	HH	0	0	0	124	86	91	86	100	84	107	81	101	82	101	79	72	80	92	79
12	DJW 240022	240022DJW	DJW 180053	DJW 200042	2.3	HH	1	0	0	91	86	110	87	91	84	94	82	113	83	106	80	104	82	103	80
13	DJW 240027	240027DJW	DJW 170037	DJW 220017	5.1					100	65	110	56	101	44	99	25	97	37	108	47	104	32	106	44
14	DJW 240037	240037DJW	JH 190072	DJW 130056	1.1	HH	0	0	0	98	87	107	85	97	84	108	82	98	83	105	79	112	82	104	80
15	DJW 240050	240050DJW	DJW 210009	DJW 190064	2.9	HH	0	0	0	92	86	114	86	97	83	89	81	96	81	105	79	104	80	103	79
16	DJW 240055	240055DJW	JH 190072	DJW 190073	1.1	HH	0	0	0	106	86	105	87	86	83	109	81	97	83	101	80	106	82	100	80
17	DJW 240056	240056DJW	DJW 210009	DJW 110027	1.2	HH	0	0	0	99	86	106	86	85	84	96	80	108	82	101	79	102	80	99	79
★★★★																									
1	DJW 120003	12003DJW	VV 080166	DJW 060010	0.8	HH	1	0	0	85	91	107	89	98	91	108	82	89	85	95	83	88	82	90	83
2	DJW 140026	14026DJW	DT 100129	DJW 050014	0.2	HH	0	0	0	141	88	82	87	108	87	111	78	84	81	95	80	81	80	89	80
3	DJW 170023	170023DJW	DJW 130073	DJW 070001	0.5	HH	0	0	0	136	88	79	87	79	88	130	82	122	82	99	81	79	80	92	81
4	DJW 190064	190064DJW	DJW 160023	DJW 100032	2.0	HH	0	0	0	84	88	106	88	107	87	96	84	93	84	97	81	99	82	95	81
5	DJW 220069	220069DJW	SP 140020	DJW 150061	0.5	HH	0	0	0	85	87	101	87	98	86	109	83	113	84	99	80	90	82	95	80
6	DJW 220078	220078DJW	SS 160075	DJW 160031	0.5	HH	0	0	0	111	86	99	86	83	84	111	82	83	82	90	79	96	82	88	80
7	DJW 220080	220080DJW	SS 160075	DJW 190064	0.4	HH	0	0	0	91	86	106	86	89	84	105	82	94	82	95	79	99	82	92	80
8	DJW 230015	230015DJW	JH 190072	DJW 200084	0.9	HH	1	0	0	96	86	103	85	96	82	98	79	89	81	93	78	102	80	92	78
9	DJW 230049	230049DJW	DJW 180053	DJW 180028	0.8	HH	1	0	0	101	85	114	86	67	82	102	78	97	81	99	78	102	80	97	78
10	DJW 240054	240054DJW	DJW 210009	DJW 140098	6.4	HH	1	0	0	114	86	103	85	88	83	101	81	89	82	99	79	94	81	95	79
11	DJW 240059	240059DJW	JH 190072	DJW 200034	1.2	HH	0	0	0	92	86	105	85	93	84	107	82	96	83	97	79	101	82	95	80
★★★★☆																									
1	DJW 110027	11027DJW	DJW 080037	DJW 020001	0.7	HH	0	0	0	78	90	94	89	76	91	114	79	125	83	86	82	84	80	81	82
2	DJW 130010	13010DJW	VV 080166	DJW 090041	0.3	HH	1	0	0	87	87	94	86	84	88	112	80	100	82	82	80	80	79	77	80

Selection List on Cow Value

Cows 2 years and older

ID Name Sorted on ID		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									
										★★★★								
3	DJW 230026	230026DJW	DJW 200076	DJW 140098	1.1	HH	1	0	0		12686	9686	6284	12180	8782	8879	9381	8679
4	DJW 230029	230029DJW	JH 190072	DJW 130056	1.1	HH	1	0	0		9487	9987	8584	11482	9583	8980	10382	8980
5	DJW 240043	240043DJW	JH 190072	DJW 170080	0.4						10067	8970	9452	12429	9841	8755	9134	8451
6	DJW 240058	240058DJW	JH 190072	DJW 130010	1.3						7868	10459	8052	10927	9840	8751	9632	8547

Selection List on Cow Value

Bull Calves younger than 2 years

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value								
Sorted on ID							Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc								
1	DJW 250022	250022DJW	DJW 220071	DJW 160016	4.0		132	67	116	69	92	48	93	31	97	35	124	53	104	30	120	48
1	DJW 250016	250016DJW	DJW 220003	DJW 200042	13.2		129	64	106	65	90	48	87	35	117	37	119	52	100	30	114	48
2	DJW 250017	250017DJW	DJW 210009	DJW 170023	4.1		139	66	99	68	84	51	97	35	110	38	112	54	98	26	108	48
3	DJW 250024	250024DJW	DJW 220043	DJW 160025	1.3		89	66	117	68	110	48	82	32	110	36	117	53	111	32	115	49
4	DJW 250026	250026DJW	DJW 210009	DJW 110009	0.9		92	67	118	69	104	52	82	24	95	38	111	54	113	28	110	49
5	DJW 250028	250028DJW	DJW 210009	DJW 190073	1.4		108	66	117	55	95	44	94	29	97	36	116	47	111	24	114	42
1	DJW 250006	250006DJW	DJW 210040	DJW 220006	0.9		124	50	95	44	93	34	91	20	107	28	102	37	100	32	99	36
2	DJW 250012	250012DJW	DJW 220003	DJW 230008	7.0		145	63	92	49	80	39	106	27	111	33	107	43	88	28	101	40
3	DJW 250019	250019DJW	DJW 220003	DJW 230004	3.9		126	62	95	63	83	42	106	30	103	34	100	49	92	28	96	45
4	DJW 250025	250025DJW	DJW 220003	DJW 230025	3.0		149	63	91	64	81	43	106	30	103	34	105	50	94	29	100	46
1	DJW 250003	250003DJW	JH 190072	DJW 140023	0.7		90	68	105	59	91	53	109	40	94	41	95	52	99	36	93	49
2	DJW 250008	250008DJW	DJW 220043	DJW 120003	2.0		103	67	101	68	97	49	101	21	95	37	98	53	93	32	94	49
3	DJW 250023	250023DJW	DJW 220043	DJW 140026	0.7		122	66	92	68	103	47	103	19	92	35	98	52	88	31	93	48
4	DJW 250027	250027DJW	DJW 220043	DJW 130010	1.9		77	66	103	67	93	47	101	22	100	34	90	51	90	26	86	46
1	DJW 250015	250015DJW	DJW 220003	DJW 230026	7.1		126	62	72	63	74	43	130	23	99	34	74	49	76	28	69	45

Selection List on Cow Value

Heifers younger than 2 years

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin		Genomic tested	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value									
Sorted on ID							nt821	Q204X	F94L		Acc	Acc	Acc	Acc	Acc	Acc	Acc									
										★★★★★																
1	DJW 250009	250009DJW	SS 200146	DJW 120036	1.3					76	68	133	67	101	50	78	28	111	39	125	53	118	44	123	51	
2	DJW 250010	250010DJW	SS 200146	DJW 170073	1.0					82	65	136	65	88	47	87	26	101	38	123	51	126	40	123	49	
										★★★★★																
1	DJW 250007	250007DJW	SS 200146	DJW 120070	1.3					84	56	119	53	88	50	92	33	113	40	112	46	113	44	111	46	
2	DJW 250020	250020DJW	DJW 220043	DJW 200034	3.3					122	63	107	65	101	43	104	26	96	35	115	50	97	28	110	46	
3	DJW 260002	260002DJW	DJW 220071	DJW 190046	2.0					85	64	118	66	104	44	92	24	104	33	114	50	107	29	111	46	
										★★★★★																
1	DJW 250013	250013DJW	DJW 220003	DJW 230031	0.9					149	63	90	63	78	43	113	31	113	34	108	49	84	28	101	45	
2	DJW 250014	250014DJW	DJW 220003	DJW 230033	1.9					140	63	97	49	80	38	107	24	106	33	108	43	99	29	104	40	
3	DJW 250021	250021DJW	DJW 220058	DJW 220078	4.4					113	61	102	63	86	38	106	25	98	30	101	47	102	33	99	44	
4	DJW 260001	260001DJW	DJW 220071	DJW 220069	1.0					84	63	115	65	93	42	96	27	107	33	108	49	99	29	104	45	
5	DJW 260003	260003DJW	DJW 210009	DJW 190064	2.9					99	54	109	55	99	46	90	29	95	36	104	45	103	24	102	41	
										★★★★★																
1	DJW 250011	250011DJW	DJW 220003	DJW 110027	0.9					128	68	86	54	79	52	111	23	117	38	96	48	82	30	90	44	
										★★★★★																
1	DJW 250018	250018DJW	DJW 200076	DJW 220080	1.1					107	63	93	65	84	43	111	26	95	34	88	50	96	32	86	46	

	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.

