

NGUNI

BREEDING VALUE REPORT

September 2026



- DOHNE A.D.I

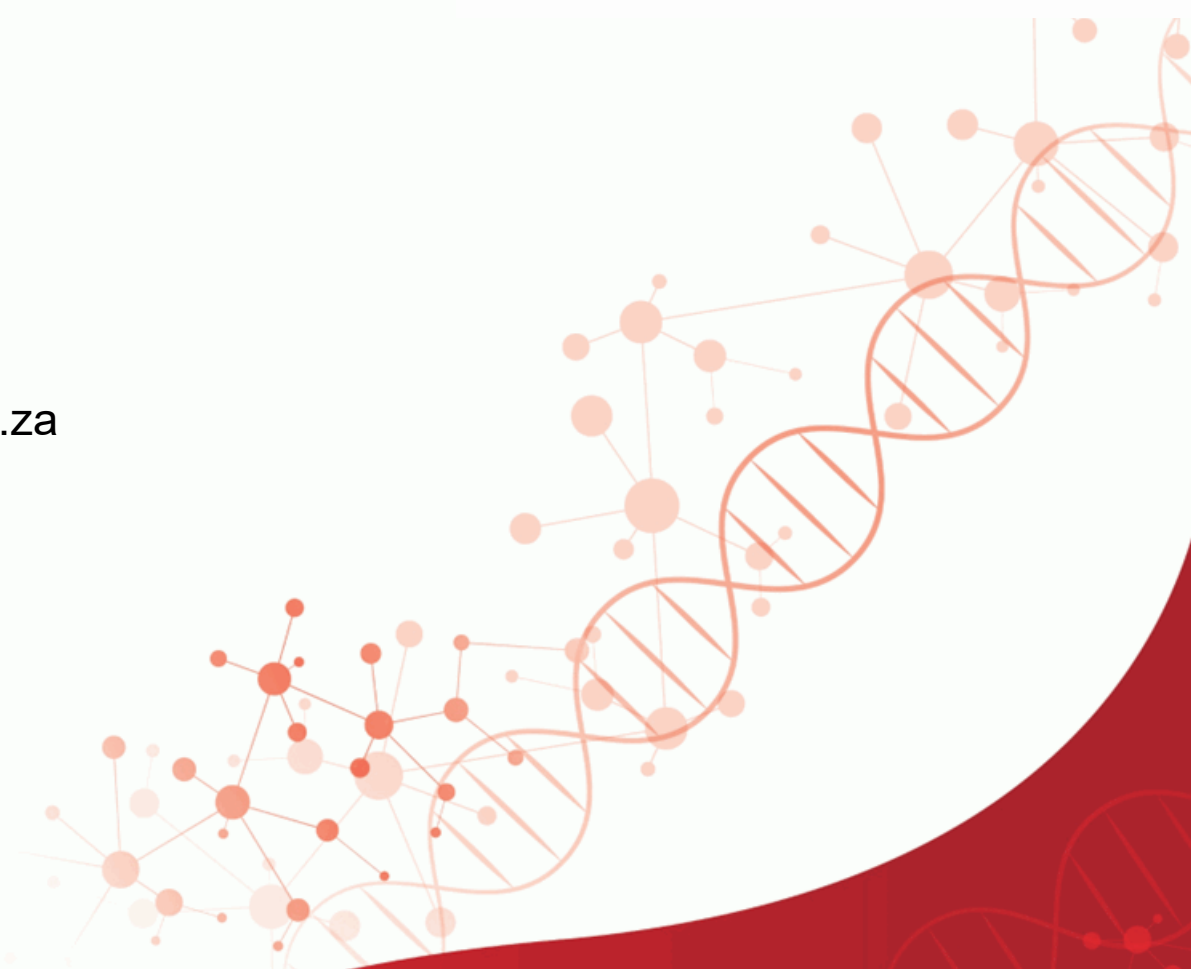
Herd Number: 480804

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NGUNI Cattle Breeders' Society
Beestelersgenootskap



LOGIX



EBVs, EBVi's and GEBVs

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

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

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

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

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 Production Value



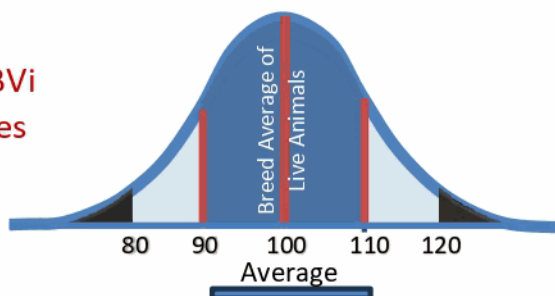
80% LOGIX Cow Value +
20% LOGIX Growth Value

LOGIX Carcass Value

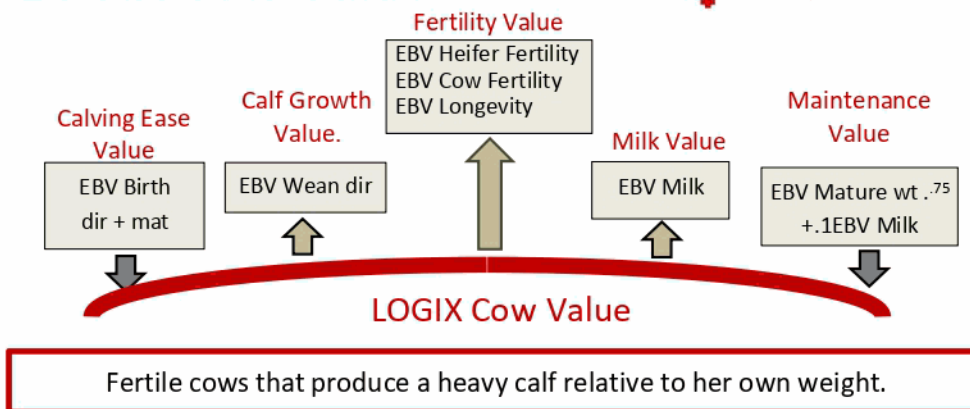


Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

Interpretation of EBVi and Selection Values



LOGIX Cow Value



How to use the Cow Value

Selection values should be compatible with your selection goal.

AVERAGE ANIMALS

(NO GROWTH EXTREMES)

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

GROWERS

(GOOD ENVIRONMENT)

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

LOW- MAINTENANCE ANIMALS

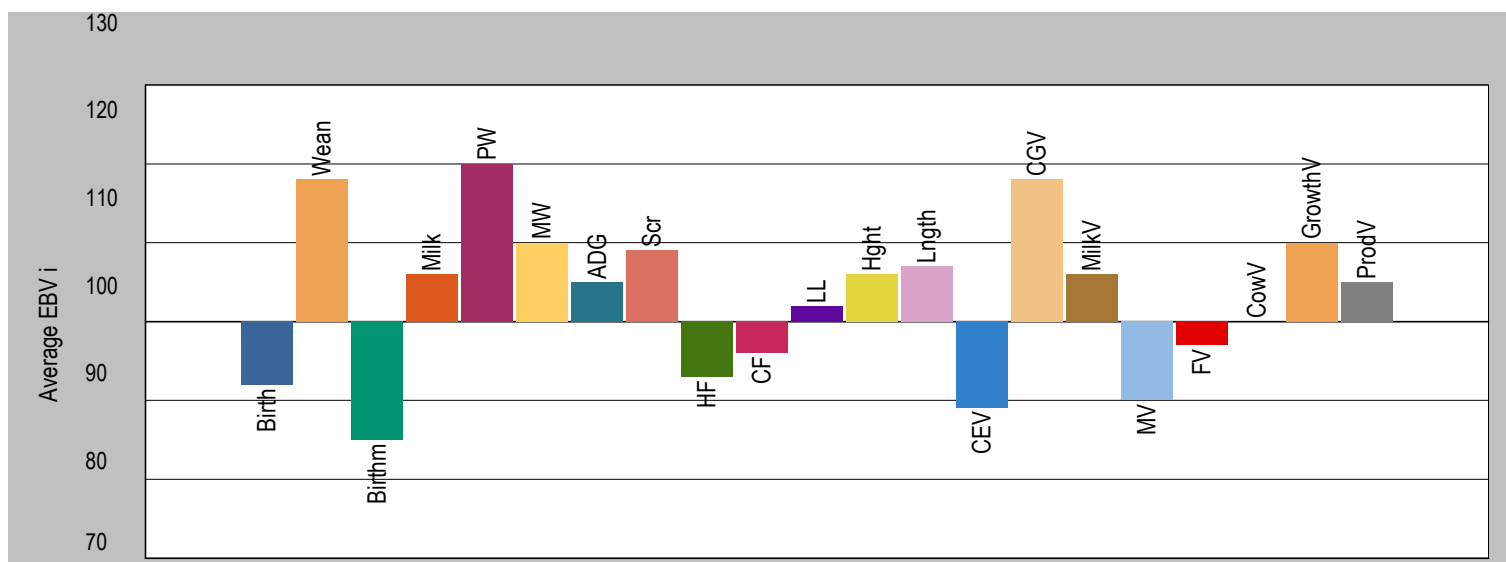
(HARSH ENVIRONMENT)

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

Examples

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

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		

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
Prewean Growth	Birth Weight	0.54	92	0.12
	Wean Weight	9.1	118	2.6
	Birth Mat.	0.47	85	0.05
	Milk (Wn.Mat.)	2.4	106	1.0
Postwean Growth	Postwean Wt	13.8	120	3.7
	Mature Weight	14	110	5
	ADG	22	105	12
Fertility	Scrotal Circumf.	7.4	109	3.8
	Heifer Fertility	-0.2	93	-6.2
	Cow Fertility	-2.0	96	-2.9
	Longevity	24.4	102	23.2
Frame	Height	5	106	2
	Length	11	107	5

Selection Value	Ave. Herd
Calving Ease	89
Calf Growth	118
Milk	106
Maintenance	90
Fertility	97
Cow Value	100
Growth Value	110
Production Value	105

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

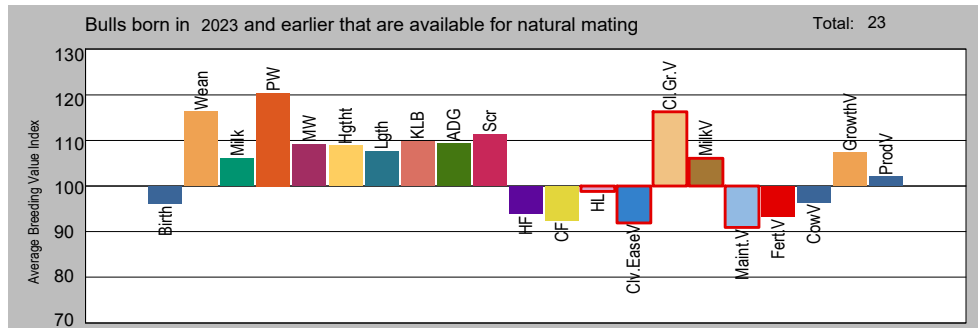
What does a sub-selection value above breed average (100) mean?:

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

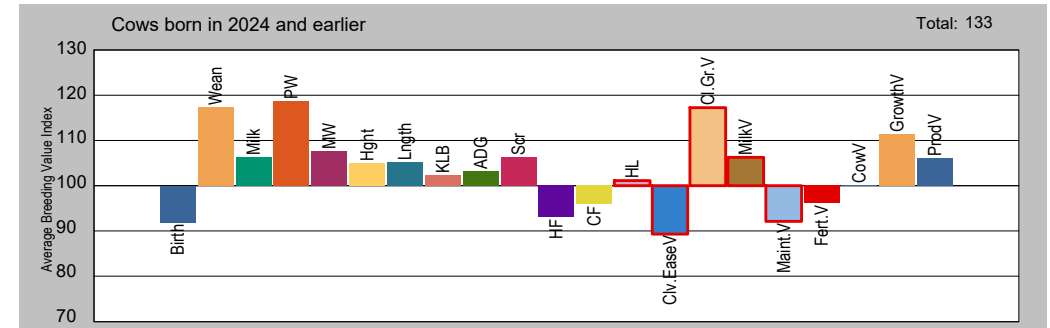
Genetic Windows

Animals available for breeding

Bulls on the farm

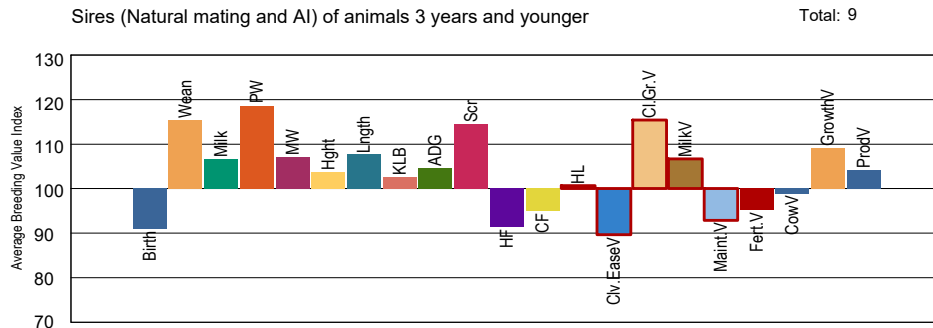


Cow Herd

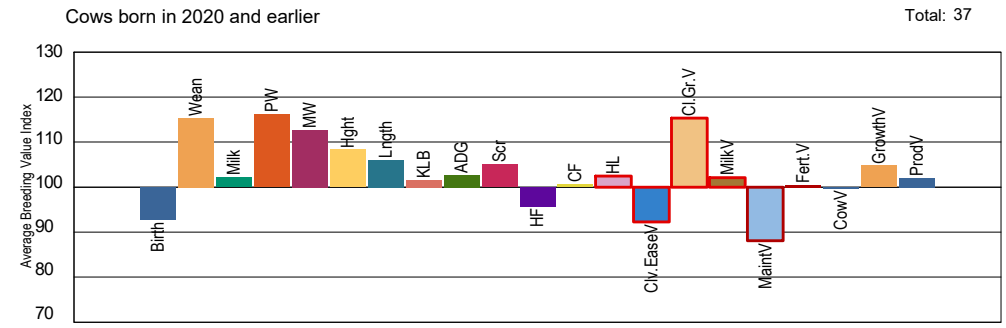


Results of previous selection decisions

Sires of young animals

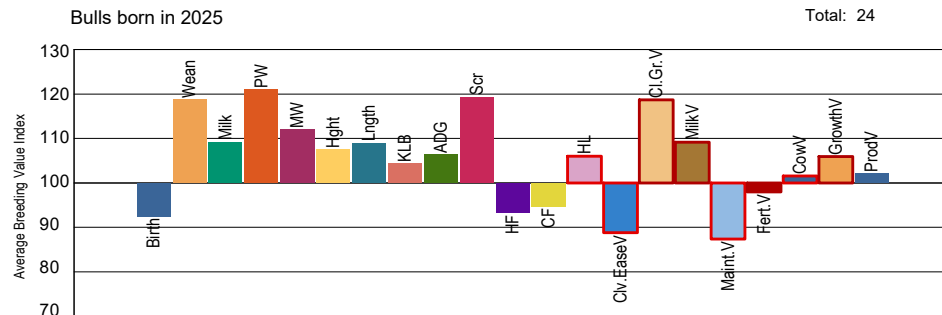


Cows older than 6 years

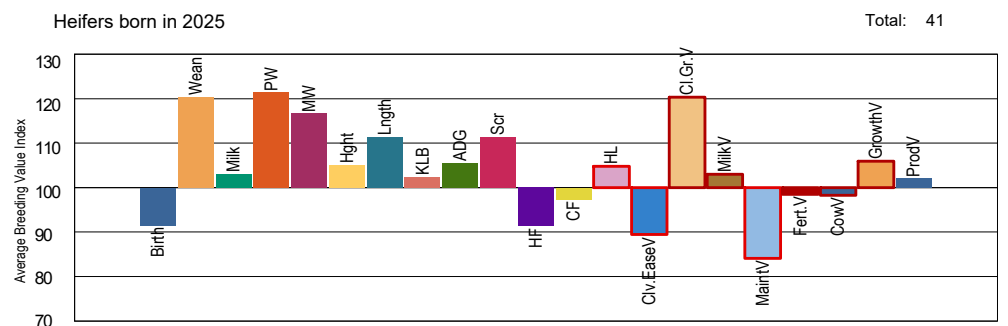


Selection possibilities

Bull calves



Heifer calves

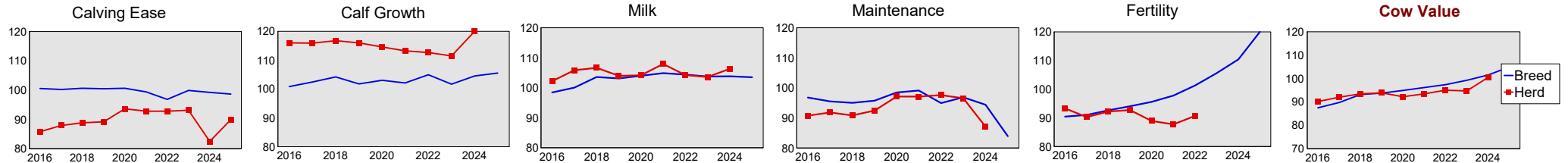


Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				Fertility				Frame	
Birth Year	No. Cows	Average Cow Value	Calving Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat)	Postwn Weight	Mature Weight	ADG	Kleiber	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
			Cows in Breed Average:										100	100	100	99	99	99	99	100	100	100	99	99
2015	4	★★★★	97	109	94	85	107	98	93	95	97	109	102	94	110	116	93	94	111	100	107	106	107	95
2016	1	★★★★☆	85	118	130	67	103	104	94	98	87	118	95	130	123	140	109	96	110	85	116	97	121	134
2017	6	★★★★☆	79	122	109	83	104	105	108	107	81	122	85	109	123	121	105	99	104	94	106	105	116	119
2018	7	★★★★☆	92	118	108	83	99	100	105	102	92	118	107	108	118	118	110	107	112	97	99	101	117	115
2019	8	★★★★	89	112	99	92	101	99	105	102	89	112	101	99	112	108	98	99	100	99	100	103	102	98
2020	11	★★★★	101	115	98	95	96	97	108	102	102	115	90	98	116	105	103	105	102	93	95	101	102	101
2021	14	★★★★☆	86	122	110	90	94	101	115	109	91	122	78	110	123	110	105	104	99	91	94	100	103	105
2022	19	★★★★	97	112	105	101	91	97	111	105	99	112	87	105	113	98	99	100	98	90	90	100	99	98
2023	25	★★★★	96	114	109	98	90	97	112	105	100	114	79	109	118	102	103	103	107	92	90	97	102	104
2024	38	★★★★☆	79	122	108	89	100	104	116	111	82	122	84	108	123	111	105	103	114	93	99	104	107	109
2025	41	★★★★	89	120	103	84	98	98	106	102	91	120	86	103	121	117	106	102	111	91	97	105	105	111
Cows in Herd Average:			90	117	107	88	98	100	107	103	92	117	90	107	118	113	103	101	106	93	99	102	107	108

Genetic Trends for On-Farm Traits

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



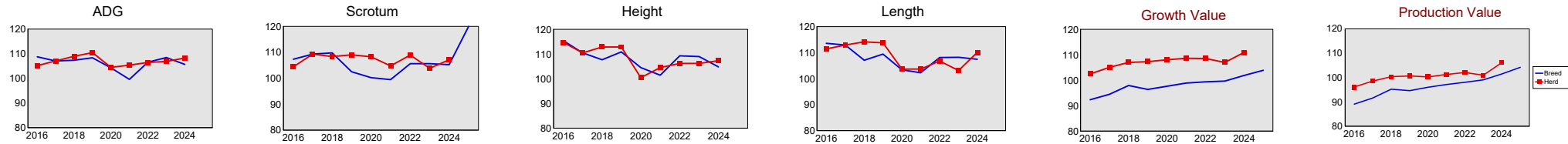
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility								Cow Value
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight	Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility				
	Number	Dir EBV			Number	EBV		Number	EBV		Milk	Number		EBV	Number	EBV	Number	EBV	Number		EBV	Number	EBV	
2016	98	0.84	0.13	86	94	8.3	116	94	1.52	102	94	11.0	15	12	91	18	-0.2	13	-2.3	98	17.0	93	90	
2017	100	0.64	0.34	88	98	8.2	116	98	2.36	106	97	11.9	20	14	92	23	1.6	16	-1.8	100	17.5	90	92	
2018	117	0.58	0.35	89	103	8.5	117	103	2.55	107	71	12.8	27	13	91	28	0.9	19	-1.6	117	17.9	92	94	
2019	82	0.58	0.42	89	75	8.3	116	75	1.92	104	69	12.5	23	9	92	29	-1.3	18	-1.6	82	19.2	93	94	
2020	81	0.27	0.57	94	77	7.8	115	77	1.98	104	73	12.0	26	7	97	30	1.9	19	-0.6	82	18.6	89	92	
2021	81	0.30	0.60	93	79	7.3	113	79	2.85	108	67	12.0	22	7	97	23	6.9	15	-1.0	74	18.8	88	93	
2022	83	0.32	0.49	93	77	7.1	113	77	1.98	104	64	11.6			98	18	2.7			28	19.5	91	95	
2023	94	0.32	0.49	93	65	6.7	111	65	1.83	104	58	11.8			97								95	
2024	85	0.85	0.46	82	83	9.8	120	83	2.47	106	75	14.9			87								101	
2025	70	0.50	0.44	90																				

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	2062	0.06	-0.03	101	1340	2.9	101	1339	0.64	98	355	6.3	223	5	97	1339	-2.4	868	-1.9	10845	12.2	90	87
2017	1692	0.05	0.03	100	1223	3.5	102	1223	1.02	100	536	7.3	266	7	95	1431	-2.1	859	-1.9	8766	13.2	91	90
2018	1623	0.00	0.02	101	961	4.1	104	961	1.83	104	525	6.9	260	8	95	1317	-2.9	764	-2.0	7360	13.8	93	93
2019	1476	0.03	0.01	100	1204	3.3	102	1202	1.73	103	501	6.3	314	7	96	1273	-3.5	775	-2.6	6887	14.6	94	94
2020	1577	0.05	0.01	101	1147	3.7	103	1147	1.93	104	561	5.4	352	6	98	1269	-4.3	672	-2.5	6779	15.4	96	95
2021	1538	0.08	0.06	99	1397	3.4	102	1397	2.14	105	770	4.9	292	5	99	1218	-5.0	585	-2.9	6379	16.8	98	96
2022	1327	0.25	0.06	97	1681	4.4	105	1681	2.02	104	780	6.7	261	10	95	962	-4.7	240	-4.2	2616	17.4	101	97
2023	1221	0.08	0.12	100	1478	3.2	102	1478	1.87	104	509	6.2	62	12	97	379	-5.9	45	-5.3			106	99
2024	1380	0.08	0.12	99	1392	4.2	105	1392	1.90	104	510	7.3	1	-6	94	128	-6.5					110	102
2025	1033	0.14	0.10	99	1054	4.6	106	1052	1.82	103	173	12.0			84	7	-42.1					133	105
2026	191	0.05	0.02	102	23	7.6	114	23	3.11	109													109

Genetic Trends for Growth Test Traits



Herd

Birth Year	Growth						Frame						Selection Values	
	ADG			Scrotal Circumf.			Height			Length			Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		
2016	51	23	105	51	5.5	104	51	9	115	51	14	111	102	96
2017	53	27	107	52	7.3	109	52	7	110	52	15	113	105	99
2018	39	31	109	39	7.0	108	39	8	113	39	16	114	107	100
2019	35	35	110	35	7.3	109	35	8	113	35	15	114	107	101
2020	29	22	104	28	6.9	108	29	2	100	29	8	104	108	100
2021	35	24	105	35	5.6	105	35	4	104	35	8	104	109	101
2022	33	26	106	33	7.2	109	33	5	106	33	10	107	109	102
2023	32	27	107	32	5.3	104	32	5	106	32	7	103	107	101
2024	37	30	108	36	6.5	107	37	6	107	37	13	110	111	106
2025														

Breed

Birth Year	Growth						Frame						Selection Values	
	ADG			Scrotal Circumf.			Height			Length			Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		
2016	61	31	109	66	6.6	107	61	10	115	61	15	114	92	89
2017	53	27	107	52	7.3	109	52	7	110	52	15	113	94	92
2018	78	28	107	78	7.5	110	78	6	108	78	10	107	98	95
2019	66	30	108	66	4.7	103	66	7	111	66	12	109	96	95
2020	78	21	104	77	3.9	100	78	4	105	78	8	103	98	96
2021	84	11	100	83	3.6	99	84	3	101	84	7	102	99	97
2022	171	26	107	95	5.9	106	162	7	109	162	11	108	99	98
2023	65	30	108	64	5.9	106	65	6	109	65	11	108	100	99
2024	64	24	106	63	5.8	105	64	4	105	64	11	107	102	101
2025				21	13.2	125							104	104

Sires

Bull			Selection Values								Calf		Dam		Growth			Fertility				Frame		Measured Progeny				
ID	Index EBV Acc	Sire 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	Scrotal Circ.	Heifer Fertility	Cow Fertility	Long- evity	Height	Length	Birth wt	Wean wt	Dgt/Calvs.	Grwth Test	
																												Dam ID
DI 090003		LEB 050548 DI 060006	93	119	111	72	94	90	88	88	89	119	117	111	124	134	115	123	82	109	88	108	122	135	129	30	92	61
DI090003			93	94	87	59	71	62	81	72	0.65	9.2	-0.44	3.5	15.8	36	44	12.5	8.7	-5.0	17.0	6	21					
											95	94	86	87	90	59	88	91	79	48	86	92	91					
DI 090063		MVN 010051 DI 040075	68	124	70	93	101	92	105	98	51	124	135	70	114	106	105	116	82	113	97	137	115	130	123	29	114	59
DI090063			93	94	88	61	72	62	82	72	2.56	10.9	-0.95	-6.0	10.9	11	22	10.0	8.5	-5.9	21.6	21	16					
											95	94	86	88	89	61	87	91	79	51	86	91	90					
DI 140006		PH 100083 DI 110005	98	108	104	91	86	85	95	89	100	108	88	104	114	107	120	79	104	80	92	107	90	116	103	17	28	50
DI140006			90	92	78	56	63	57	76	66	0.14	5.4	0.38	1.9	10.8	11	56	-4.2	-9.4	1.7	19.1	6	-3					
											93	92	78	78	86	56	84	88	72	42	74	88	87					
DI 160086		DI 090063 DI 120060	74	114	99	92	106	104	110	107	76	114	92	99	124	106	113	111	103	107	101	133	127	39	29			14
DI160086			84	87	58	36	50	46	65	56	1.30	7.7	0.27	0.7	15.6	10	41	7.9	-8.8	-4.5	24.0	19	26					
											89	87	60	58	72	36	76	82	54	29	66	83	81					
DI 180033		DI 090003 DI 150086	70	129	114	80	98	104	116	111	73	129	90	114	131	121	117	108	90	93	110	146	125	32	18			7
DI180033			81	84	53	36	44	43	61	52	1.45	12.9	0.34	4.3	19.5	24	49	7.0	2.1	-1.3	28.5	25	24					
											87	84	51	53	72	36	71	78	47	26	59	79	76					
DI 200028		Q 130020 DI 130056	123	96	95	90	99	88	83	84	123	96	96	95	97	109	90	121	97	92	107	76	94	24	7			4
DI200028			81	80	57	41	44	44	61	52	-1.00	1.1	0.17	-0.1	2.3	13	-10	11.8	-4.0	-1.1	27.1	-10	0					
											86	80	55	57	66	41	68	75	48	28	57	76	74					
DI 200037		Q 130020 DI 150001	90	121	124	85	99	108	119	114	96	121	69	124	128	114	113	152	91	87	116	105	108	28	13			3
DI200037			82	82	56	40	44	44	62	53	0.30	10.0	0.93	6.6	18.0	18	40	23.6	1.2	0.1	32.1	4	11					
											87	82	55	56	71	40	67	74	47	28	57	76	73					
MVN 060064		MVN 970026 MVN 000019	64	141	90	73	100	97	107	102	63	141	91	90	132	134	122	115	98	109	91	57	119	124	120	42	195	59
MVN060064			93	95	91	69	76	65	85	75	1.97	17.0	0.30	-1.2	19.6	36	61	9.6	-4.5	-5.0	18.6	-19	19					
											94	95	88	91	89	69	87	90	82	58	88	91	90					
PH 100083		HW 960016 PH 030032	80	132	116	90	78	92	124	109	87	132	68	116	134	108	134	112	92	74	92	134	130	152	146	43	101	69
CRESMAN			93	94	89	69	75	65	84	74	0.75	14.0	0.95	4.7	20.8	12	88	8.2	0.3	3.3	18.7	19	27					
											94	94	87	89	90	69	85	89	82	56	86	90	88					
Q 120063		N 070055 Q 100023	81	112	131	98	81	97	117	108	88	112	55	131	112	98	97	73	89	83	90	121	116	98	91	32	63	44
Q 120063			92	93	85	67	69	62	81	72	0.70	7.0	1.31	8.3	10.0	3	4	-6.5	3.2	1.1	17.7	13	17					
											94	93	83	85	88	67	82	87	77	46	83	87	86					
Q 130020		RT 080001 Q 080049	114	105	119	110	79	94	111	103	119	105	51	119	117	91	102	144	97	75	89	97	110	151	142	20	32	65
Q 130020			92	94	80	63	66	60	80	70	-0.83	4.4	1.44	5.4	12.3	-3	17	20.4	-4.0	2.9	17.3	0	13					
											95	94	79	80	88	63	85	89	75	43	81	89	88					

Sires

Bull			Selection Values								Calf		Dam		Growth			Fertility				Frame		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	Scrotal Circ.	Heifer Fertility	Cow Fertility	Long- evity	Height	Length	Birth wt	Wean wt	Dgt/Calvs.	Grwth Test	
Q 160029		Q 070062 Q 090037	63	132	117	65	117	116	106	111	56	132	86	117	129	144	114	111	100	126	103	108	126	52	141	12	19	
Q 160029			88	93	77	54	65	57	77	67	2.30	13.9	0.44	5.0	18.1	45	44	7.8	-6.3	-9.0	24.8	6	25					
											91	93	73	77	81	54	37	45	73	44	79	43	41					
Q 210039		Q 160029 Q 130084	67	142	96	71	104	103	111	108	73	142	74	96	141	136	119	110	89	108	105	108	136	39	16		11	
Q 210039			80	84	56	40	45	44	63	54	1.45	17.4	0.78	0.1	24.5	38	55	7.7	2.8	-4.8	26.0	6	32					
											87	84	46	56	74	40	61	68	49	30	56	70	68					
RV 180076		Q 100041 RV 110058	65	119	109	92	117	120	124	123	50	119	94	109	118	105	90	125	94	128	103	96	108	16	15		5	
RV 180076			73	78	44	34	50	42	59	50	2.61	9.3	0.22	3.1	12.7	9	-10	13.3	-1.4	-9.5	25.0	0	11					
											80	78	41	44	64	34	49	57	54	35	61	58	55					
STR 160006		FF 100051 WRA 110025	106	105	100	125	69	84	113	99	109	105	83	100	98	75	77	80	58	84	83	66	71	98	81	18	21	
STR 160006			89	91	72	52	58	54	73	64	-0.33	4.3	0.53	1.1	2.8	-18	-39	-3.9	28.3	0.8	14.0	-15	-17				27	
											92	91	75	72	82	52	76	82	72	36	67	83	81					

Growth Tests

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

Animal			Weight			Frame				Growth	
Test Code Sex	Test no	Sire ID	Cow Value	Wean dir	End-weight	Length	Height	Length/Height	Scrotum	ADG	Growth Value
Test station	ID	Dam ID									
201501 D11 M DOHNE A.D.I	0480804NGI DI 140006 80255839	PH 100083 DI 110005	85	108	100	90	107	62	79	120	95
			57	92	5	-3	6	1.03	-4.2	56	76
201901 D11 M DOHNE A.D.I	0480804NGI DI 180033 87421145	DI 090003 DI 150086	104	129	118	125	146	75	108	117	116
			43	84	16	24	25	1.05	7.0	49	61
202101 D11 M DOHNE A.D.I	0480804NGI DI 200028 90963505	Q 130020 DI 130056	88	96	94	94	76	133	121	90	83
			44	80	1	0	-10	1.14	11.8	-10	61
	DI 200037 90963570	Q 130020 DI 150001	108	121	114	108	105	110	152	113	119
			44	82	14	11	4	1.11	23.6	40	62
202201 D11 M DOHNE A.D.I	0480804NGI DI 210006 92445147	STR 160006 DI 180038	100	113	111	113	122	88	108	110	118
			38	71	12	15	13	1.07	6.7	34	53
	DI 210023 92445311	DI 140006 DI 140025	96	112	107	108	101	119	96	111	99
			40	73	9	11	2	1.12	2.2	36	56
202401 D11 M DOHNE A.D.I	0480804NGI DI 230006 95697074	Q 130020 DI 200071	93	116	104	99	97	103	110	111	114
			39	71	7	4	1	1.10	7.7	36	54
	DI 230010 95697116	Q 130020 DI 190019	94	93	99	94	97	91	117	110	101
			39	72	4	1	1	1.08	10.1	34	54
	DI 230013 95697140	DI 140006 DI 180038	103	127	128	128	150	74	118	138	116
			38	72	23	26	27	1.05	10.6	96	54
	DI 230019 95697207	DI 140006 DI 170081	92	115	107	103	117	75	107	116	92
			39	72	9	7	11	1.05	6.5	46	54
	DI 230022 95697231	Q 130020 DI 140047	99	119	114	115	110	115	145	114	120
			41	73	13	16	7	1.11	21.0	42	57
	DI 230026 95697264	DI 160086 DI 200018	102	112	116	129	132	106	114	111	106
			33	70	15	27	18	1.10	9.0	36	48

Growth Tests

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

Animal					Weight		Frame				Growth	
Test Code	Sex	Test no	Sire ID	Cow	Wean	End-	Length	Height	Length/ Height	Scrotum	ADG	Growth Value
Test station		ID	Dam ID	Value	dir	weight						
202401 D11 M				0480804NGI								
DOHNE A.D.I		DI 230032	DI 140006	92	123	116	117	119	104	91	118	100
		95697330	DI 140031	40	73	15 69	18 69	12 72	1.10 70	0.5 70	51 62	56
		DI 230037	DI 160086	109	121	121	126	119	124	116	115	109
		95697389	DI 150001	36	72	18 69	24 69	11 72	1.13 70	9.9 70	45 62	52
202402 D11 M				0480804NGI								
DOHNE A.D.I		DI 230047	STR 160006	96	107	93	93	95	92	134	82	109
		95697488	DI 150055	39	72	0 69	-1 68	0 71	1.08 70	16.8 70	-28 61	55
		DI 230048	Q 130020	92	108	94	99	87	124	130	78	101
		95697496	DI 150041	41	69	1 68	4 68	-4 71	1.13 70	15.1 69	-38 61	55
		DI 230074	STR 160006	103	116	103	103	113	84	90	97	127
		95963393	DI 180066	36	58	6 68	8 67	9 70	1.07 68	0.1 69	4 60	48
		DI 230078	DI 140006	90	119	107	99	105	89	107	112	100
		95984522	DI 130052	38	61	9 70	4 70	5 73	1.07 72	6.6 71	39 63	51
		DI 230082	STR 160006	90	122	103	101	91	120	100	97	114
		96323712	DI 200076	35	57	7 67	6 66	-2 70	1.12 68	3.7 68	5 59	47
		DI 230083	DI 140006	96	119	123	124	119	119	99	123	100
		96323720	DI 170082	37	59	19 68	23 68	11 71	1.12 70	3.5 69	62 61	49
		DI 230088	STR 160006	96	119	94	84	86	89	96	97	119
		96323779	DI 190060	33	57	0 67	-7 66	-5 70	1.07 68	2.3 68	6 59	45
		DI 230089	DI 140006	86	117	99	85	101	64	112	116	99
		96323787	DI 170019	36	59	4 69	-6 68	2 71	1.04 70	8.2 70	46 62	49
202501 D11 M				0480804NGI								
DOHNE A.D.I		DI 240002	Q 210039	106	126	115	115	98	139	97	115	114
		97503064	DI 210066	33	70	14 65	16 64	1 68	1.15 66	2.5 66	45 56	49
		DI 240004	RV 180076	113	136	115	115	98	138	129	103	135
		97503080	DI 210079	32	69	14 64	16 63	1 67	1.15 65	14.8 65	18 55	48
		DI 240007	RV 180076	111	119	97	97	77	141	110	84	127
		97503114	DI 210072	32	69	3 64	3 63	-10 67	1.15 65	7.4 65	-24 55	48

Growth Tests

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

Animal					Weight		Frame				Growth	
Test Code	Sex	Test no	Sire ID	Cow	Wean	End-	Length	Height	Length/ Height	Scrotum	ADG	Growth Value
Test station		ID	Dam ID	Value	dir	weight						
202501 D11 M												
0480804NGI												
DOHNE A.D.I		DI 240012 97503163	Q 210039 DI 210065	110	142	135	142	119	157	114	124	116
				34	71	27 65	36 65	12 68	1.18 66	9.2 67	64 57	50
		DI 240013 97503171	Q 210039 DI 210008	94 33	130 70	101 5 65	98 4 64	75 -10 68	148 1.16 66	86 -1.4 66	94 -1 56	119 49
		DI 240014 97503189	Q 210039 DI 210019	100 32	142 70	130 24 64	135 31 64	127 16 67	128 1.13 66	112 8.2 66	122 61 55	129 48
		DI 240015 97503197	Q 210039 DI 210024	105 33	141 70	126 21 65	124 23 64	107 5 68	143 1.16 66	102 4.6 66	128 73 56	117 49
		DI 240017 97503213	RV 180076 DI 200016	109 34	125 69	114 13 64	121 21 64	119 11 68	113 1.11 66	145 21.1 66	100 12 56	122 49
		DI 240020 97503247	RV 180076 DI 210020	108 33	128 69	105 7 64	104 8 63	99 1 67	113 1.11 65	112 8.3 65	97 5 55	119 48
		DI 240026 97503304	DI 180033 DI 200012	101 31	129 70	99 4 66	101 6 65	102 3 69	97 1.09 67	79 -4.4 67	92 -7 57	121 47
		DI 240040 97503411	DI 180033 DI 150055	99 34	112 71	99 4 68	102 6 68	118 11 71	70 1.05 70	118 10.8 69	99 9 60	104 50
		DI 240044 97503445	DI 200037 DI 190006	101 32	112 70	107 9 66	100 5 66	109 6 69	84 1.07 68	152 23.6 67	108 30 58	105 48
202502 D11 M												
0480804NGI												
DOHNE A.D.I		DI 240046 97503460	DI 200037 DI 190013	89	94	94	85	85	95	135	102	86
				33	70	1 66	-6 65	-6 69	1.08 67	17.0 67	17 57	48
		DI 240047 97503478	Q 210039 DI 170010	106 36	133 71	114 13 66	121 21 66	90 -3 69	157 1.20 68	93 1.0 67	105 23 58	119 52
		DI 240051 97789069	DI 180033 DI 190018	98 33	112 70	109 10 67	116 17 66	128 16 70	85 1.07 68	129 14.8 68	104 20 58	100 49
		DI 240052 97789077	DI 180033 DI 160070	96 33	103 71	108 10 67	115 16 67	128 16 70	84 1.07 68	107 6.6 68	105 22 59	100 49
		DI 240062 97789176	Q 210039 DI 200022	95 35	115 71	108 10 66	110 13 65	111 8 69	103 1.10 67	97 2.6 67	111 35 57	94 50

Growth Tests

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

Animal				Weight			Frame				Growth	
Test Code	Sex	Test no	Sire ID	Cow Value	Wean dir	End-weight	Length	Height	Length/Height	Scrotum	ADG	Growth Value
Test station		ID	Dam ID									
202502 D11 M												
DOHNE A.D.I		DI 240065	DI 200028	99	110	103	98	88	119	114	98	99
		97789200	DI 190016	33	70	66	4 65	-4 69	1.12 67	9.2 67	7 57	48
		DI 240070	DI 200028	85	114	107	106	107	100	102	103	99
		97789259	DI 210061	32	69	65	9 65	6 68	1.09 66	4.6 67	18 56	48
		DI 240081	DI 180033	94	128	108	115	146	53	104	108	106
		97978423	DI 180043	33	70	67	16 66	25 70	1.02 68	5.4 68	30 59	49

Breeding Values and Accuracies: Bulls

Green: >120 High
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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	
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	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
DI 140006	PH 100083		DI 110005	98	108	104	91	86	85	95	89	100	88	107	108	104	105	114	120	79	104	80	92	107	90
80255839	DI 110005			90	92	78	56	63	57	76	66	0.14	0.38	11	5.4	1.9	30	10.8	56	-4.2	-9.4	1.7	19.1	6	-3
DI140006												93	78	56	92	78	75	86	84	88	72	42	74	88	87
DI 180033	DI 090003	1	DI 150086	70	129	114	80	98	104	116	111	73	90	121	129	114	123	131	117	108	90	93	110	146	125
87421145	DI 150086			81	84	53	36	44	43	61	52	1.45	0.34	24	12.9	4.3	69	19.5	49	7.0	2.1	-1.3	28.5	25	24
DI180033												87	51	36	84	53	58	72	71	78	47	26	59	79	76
DI 200028	Q 130020		DI 130056	123	96	95	90	99	88	83	84	123	96	109	96	95	88	97	90	121	97	92	107	76	94
90963505	DI 130056			81	80	57	41	44	44	61	52	-1.00	0.17	13	1.1	-0.1	-8	2.3	-10	11.8	-4.0	-1.1	27.1	-10	0
DI200028												86	55	41	80	57	59	66	68	75	48	28	57	76	74
DI 200037	Q 130020	1	DI 150001	90	121	124	85	99	108	119	114	96	69	114	121	124	128	128	113	152	91	87	116	105	108
90963570	DI 150001			82	82	56	40	44	44	62	53	0.30	0.93	18	10.0	6.6	80	18.0	40	23.6	1.2	0.1	32.1	4	11
DI200037												87	55	40	82	56	59	71	67	74	47	28	57	76	73
DI 210006	STR 160006	1	DI 180038	95	113	119	100	88	100	118	110	101	72	98	113	119	127	117	110	108	82	96	92	122	113
92445147	DI 180038			68	71	50	33	38	38	53	46	0.07	0.86	3	7.2	5.3	78	12.1	34	6.7	9.0	-2.0	19.0	13	15
DI210006												71	50	33	71	50	51	57	59	68	45	24	44	70	67
DI 210023	DI 140006	1	DI 140025	107	112	100	86	100	96	99	97	107	94	114	112	100	102	119	111	96	100	101	99	101	108
92445311	DI 140025			72	73	55	36	40	40	56	48	-0.23	0.23	18	6.9	1.0	23	13.1	36	2.2	-6.1	-3.1	22.7	2	11
DI210023												75	54	36	73	55	55	60	62	70	46	25	48	72	69
Q 210039	Q 160029	1	Q 130084	67	142	96	71	104	103	111	108	73	74	136	142	96	111	141	119	110	89	108	105	108	136
91577999	Q 130084			80	84	56	40	45	44	63	54	1.45	0.78	38	17.4	0.1	43	24.5	55	7.7	2.8	-4.8	26.0	6	32
Q 210039												87	46	40	84	56	60	74	61	68	49	30	56	70	68
DI 230006	Q 130020	1	DI 200071	105	116	108	98	84	93	114	104	111	51	99	116	108	120	132	111	110	104	77	94	97	99
95697074	DI 200071			68	71	51	38	39	39	54	46	-0.42	1.44	4	8.3	2.9	61	19.7	36	7.7	-9.4	2.5	19.7	1	4
DI230006												72	48	38	71	51	53	58	60	69	44	24	48	70	67
DI 230010	Q 130020	1	DI 190019	111	93	113	112	87	94	101	97	131	73	89	93	113	111	103	110	117	103	80	96	97	94
95697116	DI 190019			70	72	51	38	38	39	54	46	-1.42	0.82	-5	0.1	4.1	41	5.1	34	10.1	-8.4	1.8	21.0	1	1
DI230010												74	49	38	72	51	54	58	60	68	43	24	47	70	67
DI 230013	DI 140006	1	DI 180038	75	127	118	81	96	103	116	110	81	75	119	127	118	125	133	138	118	102	96	96	150	128
95697140	DI 180038			70	72	51	34	38	38	54	46	1.06	0.77	22	12.0	5.1	73	20.5	96	10.6	-8.1	-1.9	21.2	27	26
DI230013												74	51	34	72	51	52	58	61	69	43	25	45	71	68
DI 230019	DI 140006	1	DI 170081	88	115	95	80	100	92	92	91	91	87	122	115	95	97	122	116	107	100	97	104	117	103
95697207	DI 170081			70	72	53	35	39	39	54	46	0.57	0.41	25	7.8	-0.1	12	15.0	46	6.5	-6.7	-2.1	25.3	11	7
DI230019												74	52	35	72	53	53	60	61	69	45	24	47	71	68
DI 230022	Q 130020	1	DI 140047	88	119	120	96	86	99	120	111	95	51	101	119	120	131	128	114	145	99	83	92	110	115
95697231	DI 140047			72	73	56	40	42	41	57	49	0.36	1.44	6	9.3	5.6	86	17.9	42	21.0	-5.4	1.1	18.9	7	16
DI230022												75	55	40	73	56	56	60	63	71	46	28	52	72	69

Breeding Values and Accuracies: Bulls

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Inbreeding in red is high

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Animal			Selection Values									Birth		Wean				Growth		Fertility				Frame	
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	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
DI 230026 95697264 DI230026	1	DI 160086 DI 200018		87 68	112 70	95 42	91 25	107 30	102 33	106 48	104 40	88 0.72 73	98 0.12 42	108 12 25	112 7.0 70	95 -0.3 42	101 20 46	120 13.8 53	111 36 58	114 9.0 67	102 -8.0 36	105 -4.2 15	105 26.0 40	132 18 69	129 27 66
DI 230032 95697330 DI230032		DI 140006 DI 140031		74 72	123 73	105 55	79 37	94 40	92 40	100 56	96 48	80 1.10 75	75 0.76 54	123 26 37	123 10.6 73	105 2.1 55	110 40 55	126 16.6 60	118 51 62	91 0.5 70	93 -0.8 46	96 -1.9 26	97 21.4 49	119 12 72	117 18 69
DI 230037 95697389 DI230037		DI 160086 DI 150001		91 70	121 72	114 49	78 27	108 35	109 36	109 52	109 44	95 0.36 74	82 0.56 48	124 27 27	121 10.0 72	114 4.2 49	115 51 49	130 18.8 56	115 45 62	116 9.9 70	94 -1.3 40	103 -3.6 20	114 31.0 45	119 11 72	126 24 69
DI 230047 95697488 DI230047	1	STR 160006 DI 150055		106 70	107 72	92 53	113 35	91 39	96 39	109 55	103 47	107 -0.22 74	93 0.25 53	89 -5 35	107 5.1 72	92 -0.9 53	103 26 53	104 5.6 58	82 -28 61	134 16.8 70	79 11.4 46	97 -2.1 25	98 22.2 47	95 0 71	93 -1 68
DI 230048 95697496 DI230048	1	Q 130020 DI 150041		105 68	108 69	107 56	92 40	90 43	92 41	101 55	96 48	109 -0.30 71	80 0.61 54	106 10 40	108 5.5 69	107 2.7 56	109 38 55	113 10.5 61	78 -38 61	130 15.1 69	94 -1.7 48	87 0.2 28	99 22.8 52	87 -4 71	99 4 68
DI 230074 95963393 DI230074	1	STR 160006 DI 180066		96 70	116 58	110 49	115 36	85 38	103 36	127 48	117 42	102 0.00 74	65 1.06 50	86 -8 36	116 8.3 58	110 3.3 49	130 83 48	113 10.5 58	97 4 60	90 0.1 69	84 7.1 46	91 -0.7 24	92 18.9 44	113 9 70	103 8 67
DI 230078 95984522 DI230078	1	DI 140006 DI 130052		101 71	119 61	91 55	86 37	94 40	90 38	100 51	95 44	101 0.08 74	101 0.03 54	114 17 37	119 9.2 61	91 -1.1 55	100 18 51	119 13.1 60	112 39 63	107 6.6 71	101 -6.7 45	97 -2.2 27	92 18.9 48	105 5 73	99 4 70
DI 230082 96323712 DI230082		STR 160006 DI 200076		86 69	122 57	104 46	95 34	82 37	90 35	114 47	103 41	90 0.60 73	81 0.59 47	102 7 34	122 10.5 57	104 1.8 46	119 60 46	118 12.5 57	97 5 59	100 3.7 68	76 13.8 44	91 -0.9 23	90 17.5 43	91 -2 70	101 6 66
DI 230083 96323720 DI230083		DI 140006 DI 170082		104 70	119 59	111 52	78 36	95 38	96 37	100 49	97 43	105 -0.13 74	93 0.26 52	124 27 36	119 9.2 59	111 3.7 52	112 44 49	124 15.9 59	123 62 61	99 3.5 69	98 -4.5 45	93 -1.3 25	99 22.9 45	119 11 71	124 23 68
DI 230088 96323779 DI230088	1	STR 160006 DI 190060		76 69	119 57	105 46	107 30	84 35	96 33	119 45	108 39	79 1.14 73	85 0.48 47	94 -1 30	119 9.2 57	105 2.3 46	123 68 44	116 11.7 56	97 6 59	96 2.3 68	80 10.8 43	92 -1.0 20	91 18.1 42	86 -5 70	84 -7 66
DI 230089 96323787 DI230089		DI 140006 DI 170019		71 69	117 59	99 51	87 36	88 38	86 36	99 49	92 42	74 1.43 73	93 0.26 51	112 16 36	117 8.8 59	99 0.8 51	107 33 49	121 14.1 58	116 46 62	112 8.2 70	99 -5.7 44	87 0.1 25	92 18.8 45	101 2 71	85 -6 68
DI 240002 97503064 DI240002	2	Q 210039 DI 210066		88 66	126 70	98 41	84 29	107 31	106 33	114 49	111 41	89 0.65 71	94 0.21 38	117 20 29	126 11.6 70	98 0.6 41	110 40 47	127 17.1 54	115 45 56	97 2.5 66	102 -7.9 37	106 -4.3 18	104 25.6 39	98 1 68	115 16 64

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Animal			Selection Values									Birth		Wean				Growth		Fertility				Frame	
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	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
DI 240004 97503080 DI240004	1	RV 180076 DI 210079		59 63	136 69	112 36	89 26	101 33	113 32	135 48	125 40	61 2.06 69	69 0.93 34	109 13 26	136 15.2 69	112 3.8 36	133 90 44	134 20.6 52	103 18 55	129 14.8 65	87 4.9 38	111 -5.4 20	97 21.5 41	98 1 67	115 16 63
DI 240007 97503114 DI240007	1	RV 180076 DI 210072		62 63	119 69	107 36	107 26	100 33	111 32	127 48	120 40	68 1.73 69	82 0.56 34	93 -1 26	119 9.2 69	107 2.7 36	125 73 44	118 12.9 52	84 -24 55	110 7.4 65	88 4.0 39	107 -4.5 20	98 22.3 41	77 -10 67	97 3 63
DI 240012 97503163 DI240012	3	Q 210039 DI 210065		59 68	142 71	118 43	68 30	104 32	110 34	116 50	114 42	60 2.13 73	51 1.44 40	139 41 30	142 17.4 71	118 5.1 43	126 74 48	143 25.2 56	124 64 57	114 9.2 67	93 -0.8 38	105 -4.1 16	105 25.9 41	119 12 68	142 36 65
DI 240013 97503171 DI240013	1	Q 210039 DI 210008		65 67	130 70	92 40	93 29	91 31	94 33	119 49	107 41	68 1.71 73	91 0.30 36	105 10 29	130 13.3 70	92 -0.8 40	114 49 46	122 14.8 54	94 -1 56	86 -1.4 66	75 14.2 37	99 -2.6 18	97 21.8 39	75 -10 68	98 4 64
DI 240014 97503189 DI240014	3	Q 210039 DI 210019		66 67	142 70	107 40	85 27	88 29	100 32	129 48	116 40	74 1.42 73	66 1.03 35	115 18 27	142 17.3 70	107 2.7 40	130 84 46	139 23.5 54	122 61 55	112 8.2 66	76 13.9 36	95 -1.6 13	97 21.7 38	127 16 67	135 31 64
DI 240015 97503197 DI240015	3	Q 210039 DI 210024		79 67	141 70	105 42	74 28	101 31	105 33	117 49	112 41	86 0.80 73	60 1.19 39	131 33 28	141 17.0 70	105 2.1 42	119 59 47	143 25.2 56	128 73 56	102 4.6 66	87 4.8 37	103 -3.7 15	106 26.2 40	107 5 68	124 23 64
DI 240017 97503213 DI240017	1	RV 180076 DI 200016		62 66	125 69	110 39	89 29	104 35	109 34	122 49	117 42	59 2.14 71	82 0.56 39	109 13 29	125 11.4 69	110 3.3 39	123 68 46	126 17.0 53	100 12 56	145 21.1 66	95 -2.2 39	107 -4.6 24	101 23.9 42	119 11 68	121 21 64
DI 240020 97503247 DI240020	1	RV 180076 DI 210020		63 66	128 69	110 38	84 27	103 33	108 33	119 48	114 40	51 2.53 72	86 0.46 37	115 19 27	128 12.6 69	110 3.4 38	122 67 45	129 18.2 52	97 5 55	112 8.3 65	90 2.1 39	108 -4.8 20	102 24.4 41	99 1 67	104 8 63
DI 240026 97503304 DI240026	2	DI 180033 DI 200012		67 67	129 70	101 40	90 24	96 28	101 31	121 47	112 39	70 1.61 73	89 0.35 39	109 13 24	129 13.0 70	101 1.3 40	119 60 45	126 16.6 53	92 -7 57	79 -4.4 67	84 7.1 33	97 -2.2 14	105 26.1 38	102 3 69	101 6 65
DI 240040 97503411 DI240040		DI 180033 DI 150055		90 69	112 71	101 46	89 28	102 32	99 34	104 50	101 42	90 0.61 74	101 0.02 45	109 13 28	112 6.8 71	101 1.2 46	105 29 48	113 10.5 56	99 9 60	118 10.8 69	95 -2.5 35	100 -3.0 20	105 25.8 42	118 11 71	102 6 68
DI 240044 97503445 DI240044	1	DI 200037 DI 190006		92 68	112 70	111 43	87 27	100 28	101 32	105 48	103 40	95 0.35 73	83 0.53 41	112 16 27	112 6.9 70	111 3.6 43	112 45 47	120 13.8 54	108 30 58	152 23.6 67	97 -3.6 33	90 -0.6 15	112 29.7 37	109 6 69	100 5 66
DI 240046 97503460 DI240046	2	DI 200037 DI 190013		93 68	94 70	100 43	91 28	101 29	89 33	86 48	87 40	149 -2.31 73	80 0.63 42	108 12 28	94 0.4 70	100 1.0 43	91 -2 47	103 5.2 53	102 17 57	135 17.0 67	102 -7.8 33	92 -1.1 16	108 27.7 38	85 -6 69	85 -6 65

Breeding Values and Accuracies: Bulls

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Animal			Selection Values									Birth		Wean				Growth		Fertility				Frame	
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	DI 240047 97503478 DI240047	1	Q 210039 DI 170010	65 68	134 71	96 48	83 33	106 34	106 36	119 52	113 44	54 2.39 73	95 0.19 44	118 21 33	133 14.4 71	96 0.0 48	113 48 51	132 19.6 57	105 23 58	93 1.0 67	93 -0.2 38	108 -4.7 23	106 26.5 42	90 -3 69	121 21 66
	DI 240051 97789069 DI240051		DI 180033 DI 190018	95 68	112 70	108 43	84 28	100 31	98 33	100 49	98 41	96 0.32 73	94 0.22 41	116 19 28	112 6.7 70	108 2.8 43	107 34 47	116 11.6 54	104 20 58	129 14.8 68	96 -2.6 34	95 -1.8 19	107 26.9 40	128 16 70	116 17 66
	DI 240052 97789077 DI240052	2	DI 180033 DI 160070	120 68	103 71	103 46	94 25	97 30	96 33	100 49	98 41	116 -0.67 73	114 -0.33 43	103 8 25	103 3.7 71	103 1.8 46	103 25 47	104 5.7 54	105 22 59	107 6.6 68	97 -3.6 33	95 -1.6 15	102 24.4 41	128 16 70	115 16 67
	DI 240062 97789176 DI240062	2	Q 210039 DI 200022	105 68	115 71	89 44	81 31	104 32	95 35	94 50	94 42	105 -0.15 73	94 0.23 40	121 24 31	115 8.0 71	89 -1.6 44	93 3 49	117 12.2 56	111 35 57	97 2.6 67	97 -3.6 37	102 -3.4 19	107 27.2 40	111 8 69	110 13 65
	DI 240065 97789200 DI240065	3	DI 200028 DI 190016	97 68	110 70	119 44	82 25	98 29	99 33	99 48	99 40	100 0.10 73	81 0.60 42	118 21 25	110 6.0 70	119 5.5 44	114 49 46	114 10.6 52	98 7 57	114 9.2 67	93 -0.5 34	92 -1.1 14	108 27.7 38	88 -4 69	98 4 65
	DI 240070 97789259 DI240070	1	DI 200028 DI 210061	92 66	114 69	113 40	87 28	81 29	85 32	99 48	92 40	98 0.24 72	72 0.84 38	112 16 28	114 7.6 69	113 4.1 40	116 52 46	113 10.3 51	103 18 56	102 4.6 67	85 6.2 33	77 2.6 16	99 22.8 38	107 6 68	106 9 65
	DI 240081 97978423 DI240081	1	DI 180033 DI 180043	66 66	128 70	91 44	83 26	97 31	94 33	106 49	100 41	65 1.85 71	101 0.03 41	118 21 26	128 12.5 70	91 -1.2 44	105 29 47	126 16.7 54	108 30 59	104 5.4 68	92 0.1 34	100 -3.0 18	99 22.4 42	146 25 70	115 16 66
	DI 250003 99409476 DI250003	2	Q 210039 DI 220028	101 66	120 55	95 40	86 28	101 31	99 31	106 42	102 36	103 -0.02 71	90 0.33 38	115 18 28	120 9.5 55	95 -0.1 40	104 27 41	121 14.2 48	108 29 37	116 9.9 41	94 -1.6 37	102 -3.2 18	103 25.0 38	100 2 42	117 18 41
	DI 250005 99409492 DI250005	1	DI 200037 DI 220086	69 65	128 53	121 35	88 22	104 27	116 27	131 39	125 33	76 1.30 71	71 0.87 36	110 14 22	128 12.3 53	121 6.0 35	134 92 37	134 21.0 44	115 46 37	141 19.4 42	108 -12.8 32	93 -1.3 14	110 28.8 34	123 14 43	119 20 41
	DI 250009 99409534 DI250009	1	DI 200037 DI 220060	66 65	126 52	110 34	95 22	93 26	103 27	127 38	116 32	71 1.55 71	81 0.60 35	102 7 22	126 11.9 52	110 3.4 34	129 81 36	125 16.2 44	103 19 34	126 13.7 39	86 5.6 32	89 -0.4 11	106 26.3 34	95 -1 40	96 2 38
	DI 250010 99409542 DI250010	2	DI 200037 DI 220067	90 66	120 53	118 36	90 23	97 26	107 27	122 39	115 33	96 0.32 72	70 0.90 37	107 11 23	120 9.8 53	118 5.2 36	127 78 37	127 17.1 44	112 37 36	123 12.6 41	97 -3.9 32	90 -0.6 12	107 27.2 34	104 4 42	104 8 40
	DI 250014 99409583 DI250014	2	DI 200028 DI 210007	118 66	99 52	100 39	93 24	91 27	87 28	90 39	87 34	128 -1.25 72	91 0.30 39	105 9 24	99 2.3 52	100 1.0 39	97 11 38	100 3.7 42	92 -6 36	106 6.2 40	84 7.0 33	89 -0.4 13	104 25.4 35	83 -7 41	92 -1 40

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Animal			Selection Values									Birth		Wean				Growth		Fertility				Frame	
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	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
DI 250023 99409674 DI250023	1	DI 200037 DI 200012		80 67	124 54	108 41	96 29	96 29	106 30	125 42	116 36	85 0.85 72	76 0.74 40	102 6 29	124 10.9 54	108 2.8 41	124 71 41	125 16.4 46	96 3 37	123 12.5 42	85 6.1 33	94 -1.4 18	109 28.0 36	91 -3 43	95 1 41
DI 250024 99409682 DI250024	1	Q 210039 DI 150001		64 68	141 58	115 50	72 33	103 35	110 35	119 47	115 41	50 2.61 73	90 0.33 46	134 36 33	141 17.1 58	115 4.6 50	126 75 47	141 24.2 51	115 44 42	113 8.7 47	89 3.1 39	103 -3.5 24	110 28.4 42	109 7 48	123 22 46
DI 250026 6020163900 DI250026	4	DI 180033 DI 200041		94 66	121 54	109 38	86 22	97 27	102 28	113 40	108 34	98 0.24 71	83 0.53 39	113 17 22	121 10.2 54	109 3.2 38	117 56 38	123 15.4 46	116 47 38	120 11.4 42	92 0.2 33	94 -1.4 13	107 26.7 36	126 15 43	121 21 41
DI 250033 99409773 DI250033		DI 180033 DI 190049		85 68	120 56	92 43	85 27	108 31	103 31	107 43	105 37	83 0.97 73	110 -0.22 41	115 19 27	120 9.8 56	92 -0.9 43	102 22 42	119 13.1 47	100 11 41	102 4.7 46	95 -1.7 34	111 -5.4 19	106 26.4 39	117 10 47	109 12 45
DI 250034 99409781 DI250034		DI 200037 DI 180087		93 68	123 55	120 44	82 29	98 32	106 32	116 44	111 38	95 0.35 73	86 0.44 44	118 21 29	123 10.7 55	120 5.6 44	124 72 43	125 16.3 48	118 52 40	144 20.6 45	95 -2.0 35	91 -0.9 21	109 28.2 39	117 11 46	117 18 44
DI 250036 99409807 DI250036		DI 180033 DI 200020		118 66	109 54	110 39	87 27	96 31	97 30	101 42	99 36	120 -0.89 72	81 0.60 39	112 16 27	109 5.8 54	110 3.3 39	109 38 40	116 11.7 48	111 36 40	111 8.1 44	100 -5.9 35	91 -0.7 19	104 25.3 38	114 9 45	116 17 44
DI 250038 99409823 DI250038		DI 180033 DI 150055		75 69	121 57	99 46	89 28	102 32	102 32	113 45	108 38	75 1.34 74	102 -0.01 45	110 14 28	121 10.0 57	99 0.9 46	111 42 44	120 14.0 50	99 10 46	119 11.0 51	95 -2.0 35	101 -3.1 20	105 25.9 41	121 12 52	103 8 50
DI 250039 99409831 DI250039	1	DI 200037 DI 210013		113 66	117 53	112 39	94 26	91 28	100 29	116 40	109 34	117 -0.74 72	73 0.81 39	104 8 26	117 8.5 53	112 3.9 39	121 65 39	120 13.7 45	104 22 35	133 16.5 40	80 10.2 33	88 -0.2 16	107 27.0 35	102 3 41	103 8 39
DI 250040 99409849 DI250040		DI 180033 DI 190018		76 68	123 56	107 43	84 28	100 30	102 31	112 43	108 37	78 1.22 73	93 0.25 41	115 19 28	123 10.8 56	107 2.7 43	116 53 42	126 16.9 48	107 26 43	117 10.2 47	95 -2.2 34	96 -1.9 19	107 27.1 38	131 18 48	114 16 46
DI 250041 99409856 DI250041	2	DI 200037 DI 220065		87 66	117 53	119 35	89 22	95 26	103 27	116 39	110 33	93 0.46 72	71 0.87 36	108 12 22	117 8.8 53	119 5.3 35	125 72 37	122 14.6 44	112 38 37	130 15.1 41	93 -0.7 32	87 0.2 12	109 27.9 34	113 9 42	105 9 41
DI 250042 99409864 DI250042		DI 200037 DI 190029		91 68	112 55	118 44	88 31	96 31	100 32	108 44	104 38	95 0.39 73	81 0.58 43	110 14 31	112 6.9 55	118 5.2 44	119 59 43	114 10.7 48	100 12 39	126 13.8 43	93 -0.6 35	93 -1.3 21	104 25.1 38	103 4 44	107 10 42
DI 250043 99409872 DI250043	1	Q 210039 DI 180038		66 68	128 56	118 46	78 30	104 33	109 33	116 45	113 39	72 1.49 73	76 0.73 43	124 27 30	128 12.7 56	118 5.2 46	124 70 44	133 20.4 49	116 47 40	125 13.2 44	98 -4.6 37	107 -4.6 21	101 23.5 40	122 13 46	132 29 44

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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	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																								
DI 250045 99409898 DI250045	2	Q 210039 DI 210053	66 66	135 56	109 42	81 29	98 31	105 31	121 43	114 37	73 1.45 72	71 0.86 39	120 24 29	135 15.0 56	109 3.2 42	124 71 42	136 21.7 50	117 48 36	119 11.0 40	96 -2.6 37	98 -2.5 18	100 23.4 38	108 6 41	126 24 40
DI 250049 99409930 DI250049	3	DI 200028 DI 170052	76 68	119 55	110 46	76 25	101 28	98 30	97 42	97 36	82 1.03 73	75 0.75 44	128 30 25	119 9.2 55	110 3.4 46	109 38 42	120 13.6 44	102 17 39	113 8.9 45	92 0.5 33	100 -3.0 13	107 26.8 38	105 4 46	116 17 44
DI 250052 99409963 DI250052	6	DI 180033 DI 200044	108 68	117 55	102 41	84 25	96 28	95 29	102 41	98 35	109 -0.34 73	89 0.36 41	116 19 25	117 8.5 55	102 1.5 41	107 33 40	120 13.6 47	118 52 40	113 8.7 45	95 -2.0 33	92 -1.0 13	104 25.1 38	132 18 45	117 18 44
DI 250055 99827651 DI250055	3	DI 200028 DI 190016	94 68	107 55	120 44	85 25	98 28	99 30	101 42	100 36	97 0.27 73	85 0.47 42	113 17 25	107 5.1 55	120 5.6 44	115 51 41	110 8.8 45	96 3 40	108 6.9 46	94 -1.4 34	92 -0.9 14	108 27.7 37	94 -1 47	102 6 45
DI 250057 99827677 DI250057	1	DI 200037 DI 210055	71 66	128 53	109 39	88 25	99 27	106 28	124 40	116 34	76 1.29 72	78 0.67 39	110 14 25	128 12.5 53	109 3.1 39	124 70 39	130 18.7 46	111 36 37	135 17.2 42	95 -2.4 33	91 -0.9 13	111 29.0 35	104 4 43	102 7 41
DI 250064 99827743 DI250064	1	DI 200028 DI 190019	114 66	92 53	100 43	99 29	96 29	91 30	90 42	89 36	132 -1.46 71	93 0.25 41	99 4 29	92 -0.2 53	100 1.1 43	94 4 42	96 2.0 44	97 5 39	98 3.1 44	102 -7.8 33	89 -0.3 17	104 25.3 36	83 -7 45	88 -4 43
DI 250065 99827750 DI250065	1	DI 200028 DI 210029	116 65	101 52	98 39	102 25	91 27	91 28	99 40	95 34	117 -0.73 70	88 0.40 39	96 1 25	101 3.0 52	98 0.7 39	101 20 39	100 3.9 42	86 -20 37	101 4.2 42	85 6.6 33	91 -0.7 14	102 24.2 35	81 -8 43	89 -3 41

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ID Number Name																								
DI 150001 82208216 DI150001	2	DI 090003 DI 120032	93 84	114 82	135 83	72 51	102 55	106 53	100 70	103 62	95 0.39 84	91 0.31 81	131 33 51	114 7.5 82	135 9.1 83	122 67 72	122 14.8 73	110 34 65	116 9.7 71	88 3.4 62	97 -2.2 38	114 30.8 64	111 7 72	110 13 70
DI 150054 82710534 DI150054		MVN 060064 DI 050007	109 84	100 82	85 83	85 56	109 57	93 54	81 71	85 62	111 -0.45 84	84 0.50 81	116 19 56	100 2.5 82	85 -2.6 83	80 -25 74	103 5.1 73	88 -14 64	102 4.4 70	109 -13.8 63	110 -5.1 43	101 23.9 66	81 -8 71	96 2 69
DI 150055 82710542 DI150055	1	DI 090063 DI 110036	107 82	103 81	84 82	100 49	105 54	97 52	99 69	98 60	105 -0.12 83	109 -0.19 79	99 4 49	103 3.6 81	84 -2.6 82	89 -6 71	102 5.0 72	82 -28 64	129 15.0 70	100 -6.0 60	108 -4.9 38	100 23.3 63	96 0 71	81 -9 69
DI 150080 82710799 DI150080	4	DI 090063 DI 080014	80 82	117 81	71 83	84 48	113 55	95 52	93 69	93 60	76 1.31 83	124 -0.63 80	118 22 48	117 8.5 81	71 -5.8 83	81 -24 71	114 10.7 74	93 -3 64	95 2.0 70	103 -8.7 63	113 -5.8 37	108 27.4 64	141 23 71	94 1 69
DI 160048 84367986 DI160048	1	DI 090003 DI 100001	85 81	118 80	130 80	67 47	103 53	104 51	94 68	98 60	87 0.79 82	95 0.20 78	140 41 47	118 8.9 80	130 8.1 80	118 58 69	123 15.4 72	109 31 62	110 7.5 68	85 6.4 60	116 -6.6 35	97 21.4 63	121 13 69	134 31 67
DI 170010 85874915 DI170010		DI 090063 DI 140052	70 80	129 79	88 78	96 51	107 52	108 51	127 67	119 59	71 1.58 81	100 0.05 76	103 7 51	129 12.9 79	88 -1.9 78	111 42 69	126 16.8 71	100 13 56	97 2.5 61	94 -1.2 60	109 -5.0 37	106 26.3 60	104 4 62	108 11 60
DI 170052 85875334 DI170052		Q 120063 DI 140004	59 80	134 79	126 78	65 52	104 51	108 50	105 67	107 58	62 2.02 81	51 1.44 76	144 45 52	134 14.6 79	126 7.0 78	124 70 70	137 22.2 70	114 44 54	106 5.9 60	86 5.1 59	108 -4.8 34	106 26.5 60	133 19 61	138 33 59
DI 170071 86448222 DI170071		Q 120063 DI 140074	65 80	112 79	136 78	88 52	99 52	110 51	118 67	115 59	68 1.72 81	92 0.27 75	108 12 52	112 7.0 79	136 9.4 78	135 95 70	114 10.9 71	99 10 51	110 7.6 55	98 -4.5 60	100 -2.9 35	100 23.0 60	127 16 56	119 19 55
DI 170076 86448271 DI170076		Q 120063 DI 090073	80 81	114 78	100 77	108 54	95 53	103 51	119 67	111 59	86 0.81 82	72 0.84 77	93 -2 54	114 7.7 78	100 0.9 77	115 50 70	110 8.8 72	88 -15 56	79 -4.3 62	96 -2.9 61	96 -2.0 37	98 22.0 62	105 5 63	101 6 61
DI 170081 86448321 DI170081	1	DI 090063 DI 110040	83 81	121 80	82 79	71 50	114 54	96 51	83 68	88 60	85 0.86 82	93 0.25 77	138 40 50	121 9.9 80	82 -3.2 79	85 -13 70	124 15.8 73	112 38 58	118 10.5 63	96 -2.8 62	114 -6.2 38	112 29.6 61	120 12 64	115 17 63
DI 170082 86448339 DI170082		DI 090003 DI 140068	114 81	123 78	120 76	67 50	105 53	105 50	97 66	101 58	113 -0.50 82	101 0.02 77	141 43 50	123 10.9 78	120 5.6 76	113 48 68	128 17.7 71	118 51 57	113 8.8 62	92 0.5 62	106 -4.3 37	106 26.7 59	107 6 63	130 28 61
DI 180001 87420824 DI180001		DI 090003 DI 150037	67 78	132 78	93 75	69 49	97 52	90 50	91 66	90 58	65 1.87 79	104 -0.05 74	139 41 49	132 13.9 78	93 -0.6 75	101 20 67	129 18.2 70	112 38 59	100 3.8 64	84 6.9 60	104 -3.7 37	100 23.2 59	103 3 65	108 11 63

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ID Number Name																								
DI 180002 87420840 DI180002		DI 090003 DI 150047	104 77	113 75	91 69	90 42	98 50	93 46	99 62	95 54	99 0.19 78	123 -0.60 72	110 14 42	113 7.1 75	91 -1.2 69	97 12 62	112 10.0 68	103 19 50	108 6.9 54	88 3.8 59	109 -5.0 34	92 19.1 58	100 2 54	104 8 53
DI 180013 87420956 DI180013		PH 100083 DI 150001	110 79	117 77	117 74	77 53	95 52	97 50	100 66	98 58	111 -0.42 80	91 0.32 75	125 27 53	117 8.5 77	117 5.0 74	114 49 68	120 14.0 69	118 52 51	111 7.8 54	89 3.1 61	87 0.3 38	112 29.8 58	119 12 55	117 18 54
DI 180034 87421152 DI180034		PH 100083 DI 150007	79 79	126 78	110 76	97 53	98 52	109 50	131 67	121 58	77 1.24 80	108 -0.18 75	100 5 53	126 11.7 78	110 3.3 76	129 81 69	122 14.8 70	104 20 52	106 6.2 57	96 -3.2 60	93 -1.3 38	105 26.1 59	122 13 57	117 18 56
DI 180038 87421194 DI180038		Q 130020 DI 140074	79 79	110 77	140 72	86 46	104 50	114 48	116 64	115 56	84 0.89 80	75 0.77 73	112 15 46	110 6.0 77	140 10.3 72	134 93 65	122 14.6 68	113 39 58	139 18.7 64	107 -11.9 58	107 -4.4 35	96 21.0 57	136 20 65	129 27 63
DI 180058 87421392 DI180058		DI 090003 DI 120029	93 80	107 77	90 73	85 50	105 52	93 49	91 66	91 58	94 0.40 81	151 -1.40 74	115 19 50	107 5.2 77	90 -1.4 73	90 -4 67	102 4.6 68	93 -3 58	104 5.4 63	113 -16.7 60	100 -2.9 37	102 24.1 60	107 6 64	107 10 62
DI 180087 87948261 DI180087		PH 100083 DI 130035	112 79	119 77	116 72	79 48	98 53	102 49	106 65	104 57	111 -0.44 80	100 0.06 74	122 25 48	119 9.3 77	116 4.6 72	116 54 66	117 12.4 69	124 65 55	119 11.1 60	99 -5.1 59	95 -1.8 39	102 24.3 60	130 17 61	126 25 59
DI 190006 89243760 DI190006	1	DI 140006 DI 160069	92 77	113 76	93 71	89 47	101 48	96 47	102 63	99 55	93 0.46 78	95 0.21 70	110 14 47	113 7.3 76	93 -0.5 71	100 18 65	118 12.9 69	101 13 52	108 6.9 56	101 -7.1 58	94 -1.5 32	108 27.4 54	100 2 57	89 -3 55
DI 190013 89243836 DI190013	2	DI 140006 DI 150054	122 78	99 77	74 72	92 48	103 48	86 48	81 64	82 56	127 -1.21 80	105 -0.09 71	108 12 48	99 2.1 77	74 -5.2 72	73 -41 66	100 3.9 68	97 4 54	88 -0.7 59	109 -13.8 57	100 -2.8 33	100 23.4 55	84 -6 59	82 -9 58
DI 190016 89243869 DI190016		Q 120063 DI 150001	81 78	112 77	145 73	81 52	97 50	109 49	113 65	111 57	88 0.74 79	71 0.86 71	117 21 52	112 7.0 77	145 11.4 73	137 98 67	119 13.1 70	102 16 53	96 2.1 58	91 1.3 59	91 -0.8 36	109 28.3 56	111 8 58	109 12 57
DI 190018 89243885 DI190018	1	Q 130020 DI 150080	88 79	115 77	100 73	89 51	102 50	99 49	106 65	103 57	90 0.64 80	95 0.19 72	110 14 51	115 7.8 77	100 1.0 73	106 31 67	119 13.4 70	97 4 54	126 13.5 59	100 -6.4 59	98 -2.5 34	105 25.6 57	117 11 59	103 7 58
DI 190019 89243893 DI190019	2	DI 140006 DI 160030	123 76	95 76	106 70	112 48	94 46	100 46	104 63	102 54	123 -1.04 78	94 0.22 68	89 -5 48	95 0.8 76	106 2.4 70	106 31 65	100 4.0 68	103 19 53	76 -5.5 59	106 -11.5 55	86 0.5 31	101 23.5 53	90 -3 60	82 -9 58
DI 190029 89243711 DI190029		Q 120063 DI 100091	66 79	113 77	112 73	91 53	93 52	96 50	107 66	101 58	67 1.76 80	99 0.08 73	106 11 53	113 7.2 77	112 3.7 73	116 54 68	106 6.8 70	87 -16 50	84 -2.5 53	95 -2.4 60	99 -2.6 36	91 18.2 59	102 3 54	106 9 53

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Animal		Selection Values									Birth		Wean				Growth		Fertility				Frame	
Index EBV Acc																								
ID	% Inbreeding	Sire ID									Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
Name		Dam ID																						
DI 190038		DI 090063																						
89244156		DI 150028																						
DI190038																								
DI 190049		DI 090063																						
89243984		DI 110044																						
DI190049																								
DI 200004		STR 160006																						
90963299		DI 170081																						
DI200004																								
DI 200012		STR 160006																						
90963356		DI 170010																						
DI200012																								
DI 200016		Q 130020																						
90963398		DI 150041																						
DI200016																								
DI 200018		DI 140006																						
90963414		DI 140025																						
DI200018																								
DI 200020		Q 130020																						
90963430		DI 110067																						
DI200020																								
DI 200022		DI 140006																						
90963455		DI 150080																						
DI200022																								
DI 200025		STR 160006																						
90963471		DI 170082																						
DI200025																								
DI 200041		Q 130020																						
90963612		DI 150031																						
DI200041																								
DI 200044		PH 100083																						
91157347		DI 110070																						
DI200044																								
DI 200050		DI 140006																						
91157404		DI 150047																						
DI200050																								

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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	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																								
DI 200064 91157545 DI200064		PH 100083 DI 130020	75 78	125 75	113 66	78 49	93 52	96 48	105 63	100 56	82 0.99 79	60 1.19 70	124 27 49	125 11.6 75	113 4.1 66	118 57 63	126 16.9 64	115 44 52	100 3.8 55	86 5.0 60	96 -2.0 39	98 22.1 58	128 16 56	115 16 55
DI 210001 92445097 DI210001		STR 160006 DI 180001	71 72	124 72	98 51	93 35	80 44	84 40	109 55	97 48	73 1.46 74	94 0.24 63	105 10 35	124 11.2 72	98 0.6 51	115 50 53	119 13.3 63	92 -6 46	88 -0.8 50	61 26.3 56	93 -1.2 28	93 19.2 49	82 -7 50	87 -5 49
DI 210007 92445154 DI210007	1	STR 160006 DI 180013	119 74	105 73	105 60	97 41	84 44	87 43	99 58	93 50	126 -1.16 76	88 0.39 62	100 5 41	105 4.4 73	105 2.2 60	108 35 58	104 5.9 64	93 -3 43	92 0.7 46	71 18.0 55	86 0.3 28	101 23.6 49	89 -3 47	90 -3 46
DI 210013 92445212 DI210013	1	STR 160006 DI 180034	102 74	125 73	100 60	108 41	83 44	98 43	127 58	114 50	105 -0.11 76	85 0.47 63	93 -1 41	125 11.5 73	100 1.1 60	124 71 58	120 13.8 64	96 3 44	98 2.8 48	69 19.2 55	89 -0.4 28	98 22.0 49	99 1 49	99 4 47
DI 210020 92445287 DI210020	4	DI 140006 DI 150041	83 75	117 74	115 62	85 37	88 43	92 42	103 58	97 50	89 0.69 77	75 0.76 63	115 18 37	117 8.5 74	115 4.6 62	118 57 58	124 15.9 66	99 10 49	91 0.3 54	89 3.2 56	86 0.4 22	99 22.8 51	109 6 55	93 0 53
DI 210024 92445329 DI210024		Q 120063 DI 170081	86 75	118 74	117 63	82 46	96 47	100 45	107 61	104 53	93 0.47 77	68 0.97 65	117 21 46	118 8.9 74	117 4.9 63	118 59 61	122 15.0 66	105 24 51	91 0.4 56	87 4.8 57	97 -2.2 30	104 25.4 54	114 9 57	110 13 55
DI 210029 92445378 DI210029	1	STR 160006 DI 180037	86 74	115 73	102 59	118 39	83 43	98 42	124 57	112 50	89 0.66 76	85 0.49 61	83 -11 39	115 7.9 73	102 1.4 59	123 69 57	109 8.3 64	81 -30 47	81 -3.4 52	72 17.2 55	89 -0.3 26	96 21.3 49	86 -5 53	84 -7 51
DI 210039 92445477 DI210039		Q 120063 DI 170082	95 75	129 74	120 63	74 46	99 47	106 45	112 60	109 52	100 0.14 77	77 0.69 64	129 32 46	129 12.7 74	120 5.7 63	123 69 61	130 18.7 66	110 35 47	96 2.1 50	93 -0.8 57	99 -2.7 30	102 24.5 53	117 10 51	126 25 50
DI 210053 92734797 DI210053		Q 130020 DI 160004	85 75	120 74	123 62	92 45	92 47	105 45	123 60	115 52	92 0.52 77	64 1.06 63	105 9 45	120 9.8 74	123 6.4 62	133 90 60	125 16.5 66	114 42 47	127 14.2 51	102 -7.9 57	89 -0.3 30	96 20.9 53	108 6 51	116 17 50
DI 210055 92734508 DI210055	1	DI 140006 DI 160069	71 75	128 74	94 62	92 41	100 45	103 43	122 59	113 51	75 1.35 77	83 0.54 64	107 11 41	128 12.7 74	94 -0.4 62	114 48 59	126 17.0 66	109 31 48	101 4.3 51	100 -5.9 56	95 -1.8 28	105 26.0 52	104 4 52	97 3 51
DI 210060 92734631 DI210060	1	DI 140006 DI 170023	82 74	133 73	98 60	83 41	97 44	99 43	116 58	109 50	85 0.88 76	90 0.34 61	118 21 41	133 14.2 73	98 0.5 60	114 50 58	132 19.8 65	125 67 48	116 9.9 53	101 -6.8 55	93 -1.3 26	101 23.5 50	115 9 54	112 14 53
DI 210064 92734672 DI210064		Q 120063 DI 140031	85 75	122 74	109 65	86 47	97 48	101 46	113 61	108 54	92 0.54 77	61 1.16 66	113 17 47	122 10.5 74	109 3.2 65	118 58 62	121 14.1 67	101 13 49	84 -2.4 53	91 1.3 58	101 -3.1 31	98 22.3 55	109 7 53	116 17 52

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ID Number Name																								
DI 210065 92734680 DI210065		Q 120063 DI 110040	64 76	130 74	138 66	69 48	102 50	113 47	114 62	114 54	72 1.50 78	51 1.44 66	136 37 48	130 13.2 74	138 10.0 66	134 93 63	140 23.7 68	115 45 54	102 4.6 59	99 -5.8 59	101 -3.2 33	103 24.9 57	118 11 59	128 26 58
DI 210066 92734698 DI210066	1	DI 140006 DI 160025	107 74	108 73	98 61	101 41	108 44	109 43	114 58	112 50	102 0.00 77	120 -0.52 62	98 3 41	108 5.4 73	98 0.6 61	105 30 58	108 7.7 65	112 37 52	92 0.8 56	114 -17.6 56	105 -4.0 26	101 23.9 50	92 -2 57	98 3 56
DI 210077 92734813 DI210077		Q 130020 DI 140061	72 74	130 74	127 63	82 47	101 48	114 45	128 61	122 53	80 1.14 76	51 1.44 64	117 21 47	130 13.3 74	127 7.4 63	136 98 61	140 23.7 68	114 43 49	130 15.4 52	118 -21.3 58	94 -1.4 32	98 22.2 55	104 4 53	118 19 52
DI 220003 94027240 DI220003	1	STR 160006 DI 190006	113 69	102 71	93 49	112 33	82 40	86 38	99 53	92 46	112 -0.46 72	99 0.07 56	90 -5 33	102 3.2 71	93 -0.6 49	100 18 51	101 4.0 62	85 -20 42	91 0.5 47	67 21.5 54	85 0.7 22	102 24.2 45	80 -8 47	77 -12 46
DI 220005 94027257 DI220005		DI 160086 DI 190016	71 68	121 71	123 44	85 29	105 38	112 36	120 51	117 44	77 1.24 71	75 0.75 52	113 17 29	121 9.9 71	123 6.3 44	127 78 48	128 17.9 63	110 33 44	105 5.6 48	97 -3.8 51	100 -2.9 19	111 28.9 44	124 14 49	120 20 47
DI 220006 94027265 DI220006	1	STR 160006 DI 190018	98 72	114 71	96 50	108 35	87 42	95 39	113 54	104 46	99 0.17 75	93 0.26 56	93 -1 35	114 7.5 71	96 0.2 50	111 43 52	112 9.9 62	89 -12 43	105 5.5 47	76 14.1 55	91 -0.8 24	100 22.9 46	94 -1 47	89 -3 46
DI 220014 94027331 DI220014		STR 160006 DI 190029	91 72	103 71	109 50	114 36	82 42	92 39	108 54	101 46	94 0.40 75	85 0.48 57	87 -7 36	103 3.8 71	109 3.2 50	117 56 52	98 2.5 64	78 -37 44	78 -4.5 47	72 17.3 56	89 -0.4 25	93 19.6 46	81 -8 48	84 -7 46
DI 220028 94027471 DI220028		Q 130020 DI 130012	107 73	107 73	95 57	109 41	98 47	101 43	111 58	106 50	103 -0.04 76	112 -0.29 60	93 -2 41	107 5.2 73	95 -0.2 57	104 28 57	108 7.6 66	96 3 49	122 12.1 52	100 -5.9 58	95 -1.7 28	101 23.9 54	92 -2 53	98 4 52
DI 220029 94027489 DI220029	1	STR 160006 DI 190056	119 72	101 71	89 47	122 33	77 41	84 38	104 53	94 46	118 -0.78 75	96 0.15 56	79 -15 33	101 2.8 71	89 -1.7 47	100 19 50	97 2.3 62	77 -38 43	94 1.3 47	67 20.8 55	82 1.4 22	96 21.2 47	71 -12 47	76 -13 46
DI 220031 94027505 DI220031	1	DI 140006 DI 180002	108 72	110 72	98 50	92 33	101 42	98 39	104 54	101 46	108 -0.27 75	97 0.13 57	107 11 33	110 6.2 72	98 0.5 50	102 23 52	114 10.9 64	109 32 46	92 0.6 49	108 -12.6 55	98 -2.4 24	99 22.5 48	102 3 49	95 1 48
DI 220034 94027224 DI220034	2	DI 140006 DI 180009	98 70	115 72	105 50	89 34	90 37	92 38	104 53	98 46	100 0.13 74	88 0.38 48	109 13 34	115 7.8 72	105 2.2 50	111 42 52	119 13.2 64	110 34 46	96 2.1 49	98 -4.3 43	90 -0.4 20	94 19.8 48	95 0 49	99 4 48
DI 220050 94027596 DI220050	1	Q 130020 DI 140009	111 73	109 73	111 56	114 41	78 46	94 43	117 58	106 50	115 -0.61 76	77 0.70 60	87 -7 41	109 5.9 73	111 3.7 56	125 72 57	114 11.0 66	101 15 48	111 8.0 52	89 3.3 57	71 3.8 28	97 21.6 52	104 4 52	106 10 51

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ID Number Name																								
DI 220053 94027562 DI220053	1	STR 160006 DI 190005	84 71	122 71	105 47	94 33	82 40	89 38	112 53	101 46	89 0.65 74	77 0.69 55	104 8 33	122 10.4 71	105 2.1 47	119 60 50	118 13.0 62	98 8 41	88 -0.7 45	65 23.2 54	90 -0.6 20	97 21.4 46	92 -2 45	91 -2 44
DI 220057 94522265 DI220057	1	STR 160006 DI 180011	100 72	100 71	104 49	117 35	77 41	86 39	104 54	95 46	103 -0.01 75	84 0.50 56	84 -10 35	100 2.7 71	104 1.9 49	111 43 52	99 3.1 63	84 -24 41	90 -0.2 45	76 13.4 55	78 2.3 23	94 20.2 46	85 -6 45	85 -7 44
DI 220060 94522299 DI220060	1	STR 160006 DI 190071	68 70	122 71	97 45	112 30	86 39	98 37	124 52	113 44	72 1.51 74	86 0.44 52	90 -5 30	122 10.4 71	97 0.3 45	121 63 49	114 11.0 62	94 -1 41	83 -2.8 44	80 10.0 54	91 -0.8 19	95 20.5 44	85 -6 45	84 -7 44
DI 220062 94522315 DI220062	1	Q 130020 DI 180058	106 73	108 72	102 53	96 40	95 45	96 42	105 57	100 50	105 -0.10 76	104 -0.05 58	101 6 40	108 5.3 72	102 1.5 53	107 33 55	109 8.3 65	94 0 49	121 11.9 52	106 -11.0 57	88 -0.1 28	100 23.1 51	99 2 52	105 9 51
DI 220065 94522349 DI220065	2	DI 140006 DI 180066	97 72	109 72	113 50	95 36	91 42	96 40	108 55	102 48	103 -0.01 75	70 0.90 57	102 7 36	109 5.9 72	113 4.0 50	117 55 53	112 9.6 64	111 37 47	90 0.1 51	96 -2.6 55	86 0.3 23	101 23.8 48	121 13 51	103 7 50
DI 220066 94522356 DI220066		DI 160086 DI 180013	103 72	110 71	107 45	86 29	102 39	100 37	101 52	100 44	103 -0.04 75	97 0.12 54	113 16 29	110 6.0 71	107 2.6 45	107 33 48	118 12.6 62	111 36 43	107 6.5 47	94 -0.9 52	96 -1.9 21	111 29.2 45	123 13 48	118 19 46
DI 220067 94522364 DI220067	3	DI 140006 DI 160043	96 73	118 72	112 53	97 36	96 42	106 40	122 55	115 48	102 0.01 76	70 0.91 58	100 5 36	118 8.8 72	112 3.8 53	124 70 54	123 15.3 64	110 35 47	77 -4.9 50	103 -9.0 55	93 -1.2 23	98 22.3 48	103 4 51	101 5 50
DI 220072 94522414 DI220072		DI 140006 DI 170082	100 73	113 72	113 52	79 36	101 43	99 40	97 55	98 48	99 0.19 76	105 -0.10 58	123 26 36	113 7.3 72	113 4.0 52	109 38 53	118 12.8 64	117 49 48	94 1.7 52	104 -9.9 55	95 -1.8 25	104 25.4 48	106 5 53	108 11 51
DI 220082 94522513 DI220082	1	STR 160006 DI 180007	87 70	119 70	109 48	115 33	83 41	102 38	129 53	117 46	94 0.43 73	70 0.90 55	87 -7 33	119 9.4 70	109 3.2 48	131 87 50	116 11.6 60	97 5 43	107 6.4 47	84 6.9 55	85 0.7 22	94 20.2 46	88 -4 48	94 0 46
DI 220086 94522547 DI220086		DI 160086 DI 150068	84 71	121 71	119 48	92 31	110 41	120 38	131 53	127 46	91 0.58 74	66 1.02 54	105 10 31	121 10.2 71	119 5.4 48	129 83 50	132 19.6 60	118 51 47	113 8.7 52	125 -26.8 53	99 -2.7 23	104 25.6 47	142 23 52	131 28 51
DI 230007 95697082 DI230007	1	Q 130020 DI 200012	94 68	107 71	110 50	118 38	87 39	102 39	121 54	112 46	101 0.08 72	66 1.01 49	83 -11 38	107 5.3 71	110 3.3 50	124 71 53	115 11.5 64	80 -33 45	102 4.4 48	90 1.9 44	86 0.4 25	97 21.6 48	78 -9 49	86 -5 48
DI 230014 95697157 DI230014		DI 160086 DI 190016	93 68	108 71	123 44	87 29	103 34	107 35	108 51	107 43	97 0.26 73	77 0.70 44	111 15 29	108 5.6 71	123 6.2 44	119 61 48	118 13.0 63	106 26 44	102 4.6 48	97 -3.4 39	99 -2.7 19	108 27.4 44	121 13 49	117 18 47

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ID Number Name																									
DI 230020 95697215 DI230020	2	DI 140006 DI 200017	69 68	116 71	103 47	110 32	86 36	96 36	117 52	107 44	73 1.46 73	87 0.43 46	92 -3 32	116 8.1 71	103 1.7 47	119 60 50	112 9.9 62	100 11 43	78 -4.7 47	91 1.6 41	85 0.5 20	95 20.4 46	95 -1 47	86 -6 46	
DI 230021 95697223 DI230021	1	Q 130020 DI 190006	96 70	118 72	103 52	96 38	91 39	97 39	115 55	106 47	102 0.04 74	70 0.91 50	102 6 38	118 8.8 72	103 1.8 52	116 52 54	124 16.0 64	103 19 46	127 14.2 49	98 -4.7 44	85 0.5 25	100 23.4 49	100 2 50	101 6 49	
DI 230027 95697272 DI230027	1	DI 140006 DI 140025	96 71	108 73	107 55	90 36	100 40	99 40	102 56	100 48	96 0.33 74	97 0.12 54	109 13 36	108 5.4 73	107 2.5 55	107 34 55	117 12.5 66	102 16 50	87 -1.1 53	101 -6.7 46	101 -3.0 25	100 23.0 49	92 -2 54	94 1 53	
DI 230029 95697298 DI230029	1	STR 160006 DI 130007	123 72	97 72	94 54	117 37	86 41	90 40	100 56	95 48	120 -0.89 75	104 -0.06 54	85 -9 37	97 1.4 72	94 -0.4 54	99 15 54	93 0.3 64	78 -37 47	103 4.9 51	75 14.3 47	98 -2.3 27	90 17.8 49	63 -17 52	75 -14 50	
DI 230033 95697348 DI230033		DI 140006 DI 160048	89 70	128 72	109 54	74 35	96 40	98 39	104 55	101 47	92 0.51 74	86 0.45 53	130 32 35	128 12.6 72	109 3.1 54	114 50 54	129 18.5 66	126 69 50	103 5.0 54	91 1.1 45	100 -3.0 25	98 21.9 49	123 14 54	122 22 53	
DI 230035 95697363 DI230035		Q 130020 DI 190029	105 70	103 72	113 53	101 39	87 41	94 40	105 56	99 48	110 -0.37 74	73 0.81 52	97 2 39	103 3.8 72	113 4.1 53	115 52 55	106 6.6 65	92 -7 46	111 8.0 49	96 -3.2 45	87 0.1 27	92 19.1 50	97 0 50	105 9 49	
DI 230043 95697447 DI230043	1	Q 130020 DI 190010	114 70	106 72	123 51	99 39	85 40	97 40	111 55	104 48	120 -0.86 74	57 1.26 49	98 3 39	106 4.7 72	123 6.4 51	125 74 54	115 11.4 65	96 2 45	116 9.8 48	94 -1.3 44	84 0.9 25	93 19.6 50	108 6 48	108 11 47	
DI 230045 95697462 DI230045	1	STR 160006 DI 190013	116 69	103 71	87 49	112 34	87 37	89 37	100 53	94 45	116 -0.66 73	95 0.19 49	90 -4 34	103 3.6 71	87 -2.0 49	95 8 51	100 3.6 62	84 -23 43	82 -3.0 47	84 7.3 43	92 -1.0 23	94 20.1 45	73 -11 48	74 -14 47	
DI 230050 95697504 DI230050		STR 160006 DI 200059	68 69	134 71	113 49	96 35	82 38	98 38	132 53	117 46	76 1.33 73	63 1.11 48	101 6 35	134 14.7 71	113 3.9 49	137 100 52	130 18.9 64	109 32 43	103 4.9 47	72 17.2 44	90 -0.5 23	93 19.2 46	99 1 47	107 10 46	
DI 230052 95697520 DI230052	1	DI 140006 DI 200025	121 69	108 71	101 48	96 34	91 36	93 37	103 52	98 44	121 -0.92 73	95 0.19 49	102 6 34	108 5.5 71	101 1.1 48	106 31 51	111 9.4 62	104 21 44	84 -2.3 47	91 1.3 42	90 -0.6 22	99 22.5 45	93 -1 48	91 -2 46	
DI 230054 95697546 DI230054	1	Q 130020 DI 170077	90 70	126 72	118 55	96 39	81 42	97 41	126 56	113 48	97 0.28 74	51 1.44 52	101 6 39	126 11.9 72	118 5.1 55	135 95 55	129 18.3 65	115 45 48	118 10.5 52	93 -0.3 46	79 2.1 28	92 18.9 52	106 5 52	111 14 51	
DI 230055 95697553 DI230055	1	Q 130020 DI 190005	104 69	120 71	111 50	87 38	90 38	96 38	111 54	103 46	110 -0.37 73	62 1.13 48	112 15 38	120 9.6 71	111 3.6 50	119 59 53	128 17.8 64	110 34 44	119 11.2 47	94 -1.7 44	89 -0.3 23	96 20.9 48	107 5 48	109 12 47	

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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	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																								
DI 230062 95963278 DI230062		Q 130020 DI 170010	96 70	117 72	105 54	107 39	93 41	105 40	123 56	115 48	102 0.02 74	69 0.93 53	94 -1 39	117 8.4 72	105 2.2 54	121 64 55	124 15.9 64	96 4 48	116 10.0 51	96 -2.9 45	92 -1.0 27	99 22.6 51	97 0 52	104 8 51
DI 230065 95963302 DI230065	1	DI 140006 DI 170050	110 70	115 72	111 52	77 33	96 40	95 39	95 54	95 46	113 -0.51 74	82 0.56 52	125 28 33	115 8.1 72	111 3.6 52	109 37 52	122 14.7 64	122 60 49	94 1.5 53	97 -3.4 45	100 -2.8 25	95 20.6 49	114 9 53	105 9 52
DI 230067 95963328 DI230067	1	DI 140006 DI 180002	106 70	106 72	99 50	92 33	94 39	90 38	97 54	93 46	104 -0.08 74	105 -0.10 51	106 10 33	106 4.8 72	99 0.7 50	101 20 52	111 9.2 64	108 29 46	91 0.2 49	96 -3.1 45	95 -1.6 24	96 21.0 47	101 2 49	93 0 48
DI 230068 95963336 DI230068	1	Q 130020 DI 140033	69 72	131 73	109 57	99 41	83 43	98 42	130 58	116 50	76 1.29 75	64 1.07 55	99 4 41	131 13.6 73	109 3.1 57	133 91 57	130 18.8 66	105 22 49	131 15.4 52	96 -2.8 48	81 1.6 28	92 18.6 53	87 -5 53	112 14 52
DI 230069 95963344 DI230069		Q 130020 DI 180034	103 70	112 72	113 54	106 39	89 41	102 40	119 56	111 48	107 -0.23 74	79 0.64 52	94 -1 39	112 6.7 72	113 4.1 54	124 71 55	116 11.6 64	101 14 46	123 12.7 50	97 -3.5 46	84 0.8 27	99 22.5 51	108 6 50	112 14 49
DI 230071 95963369 DI230071	2	DI 160086 DI 170071	69 69	116 71	116 47	90 27	104 33	108 35	116 50	113 42	72 1.50 74	91 0.29 46	108 12 27	116 8.2 71	116 4.8 47	121 65 48	120 14.0 62	108 29 43	112 8.2 47	99 -5.8 37	104 -3.9 16	103 24.8 45	132 18 48	125 24 46
DI 230077 95984514 DI230077		DI 160086 DI 180013	88 69	117 57	108 45	84 29	102 35	102 33	107 45	105 39	89 0.64 74	92 0.27 46	115 19 29	117 8.6 57	108 2.9 45	112 44 44	123 15.3 49	116 47 43	111 7.9 47	96 -2.8 39	97 -2.1 21	109 27.9 45	126 15 48	122 22 46
DI 230079 95984530 DI230079		Q 130020 DI 190028	107 69	110 58	108 50	107 38	84 40	95 37	113 49	104 43	111 -0.43 73	76 0.72 49	93 -1 38	110 6.1 58	108 2.8 50	118 57 49	115 11.1 53	106 26 46	123 12.5 48	98 -4.9 45	80 1.7 26	93 19.4 50	108 6 49	109 12 48
DI 230080 96323696 DI230080		Q 130020 DI 180087	114 70	111 59	117 53	91 38	89 41	96 38	108 50	102 44	118 -0.79 74	74 0.78 52	106 11 38	111 6.4 59	117 5.0 53	119 60 50	116 11.9 54	113 41 48	131 15.7 51	98 -4.5 46	85 0.5 27	97 21.5 51	113 9 52	118 19 51
DI 230086 96323753 DI230086	1	DI 160086 DI 180011	82 67	112 56	104 43	96 30	92 34	95 32	108 45	101 38	87 0.76 72	78 0.66 43	102 6 30	112 7.0 56	104 2.0 43	112 45 43	121 14.2 48	105 23 42	108 6.7 45	94 -1.5 38	89 -0.2 20	101 23.6 45	121 13 46	116 17 45
DI 230090 96323795 DI230090	1	STR 160006 DI 190023	80 69	123 57	112 46	111 33	76 37	95 34	127 47	112 40	87 0.77 73	71 0.89 48	90 -4 33	123 10.7 57	112 3.7 46	134 93 45	119 13.4 50	98 8 40	107 6.5 44	73 15.9 44	81 1.6 22	91 18.3 46	88 -4 45	95 1 43
DI 240001 97503056 DI240001	2	Q 210039 DI 210077	74 66	138 71	111 42	77 30	103 33	110 34	123 50	118 42	82 1.01 71	57 1.27 39	126 29 30	138 16.2 71	111 3.6 42	125 72 48	143 25.2 63	116 46 37	119 11.2 41	103 -8.8 37	101 -3.2 20	102 24.1 42	105 5 42	126 24 41

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Index EBV Acc																								
ID	% Inbreeding	Sire ID									Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
Name		Dam ID																						
DI 240003 97503072 DI240003	2	Q 210039 DI 210053	62 66	137 70	110 42	81 29	98 32	106 34	124 49	116 42	70 1.63 71	72 0.86 39	119 23 29	137 15.5 70	110 3.2 42	126 74 47	137 22.5 63	115 44 36	117 10.4 40	95 -2.3 37	99 -2.6 18	100 23.4 41	106 5 41	124 23 40
DI 240005 97503098 DI240005	1	RV 180076 DI 210007	87 64	109 69	111 37	98 27	100 34	104 33	113 48	109 40	90 0.62 70	88 0.38 37	99 4 27	109 5.8 69	111 3.5 37	116 53 44	111 9.4 60	87 -18 32	104 5.5 36	83 7.7 38	107 -4.5 22	102 24.3 42	89 -4 36	94 1 35
DI 240006 97503106 DI240006	3	Q 210039 DI 210039	79 66	137 70	105 42	74 28	102 31	104 33	114 49	109 41	84 0.93 71	79 0.65 39	131 33 28	137 15.6 70	105 2.2 42	117 55 47	134 21.0 63	112 38 36	101 4.0 40	91 1.1 37	104 -3.8 15	104 25.2 41	110 7 41	128 26 39
DI 240010 97503148 DI240010	1	RV 180076 DI 210013	63 66	129 69	109 37	99 27	100 34	113 33	136 48	126 40	62 2.03 72	86 0.44 37	98 3 27	129 13.0 69	109 3.0 37	132 88 44	129 18.3 60	91 -8 32	110 7.5 36	82 9.0 38	109 -5.0 22	101 23.5 42	96 0 37	102 6 36
DI 240011 97503155 DI240011	1	RV 180076 DI 210003	63 66	125 69	111 37	105 27	97 33	111 33	132 48	123 40	52 2.50 72	85 0.47 35	95 0 27	125 11.3 69	111 3.5 37	132 88 44	119 13.4 60	90 -11 32	105 5.8 36	80 10.4 38	109 -5.0 20	95 20.5 42	91 -3 37	102 7 36
DI 240018 97503221 DI240018	1	DI 140006 DI 170081	87 70	113 72	94 53	83 35	100 39	91 39	92 55	91 47	89 0.66 74	93 0.26 52	118 22 35	113 7.2 72	94 -0.3 53	97 11 53	118 12.8 66	109 31 48	93 0.9 52	101 -6.8 45	97 -2.1 24	103 24.6 49	108 6 53	96 2 52
DI 240019 97503239 DI240019	1	RV 180076 DI 210037	63 66	122 69	112 36	94 27	101 34	109 33	124 48	117 40	63 1.96 72	87 0.42 34	103 8 27	122 10.5 69	112 3.7 36	125 74 44	122 15.0 60	91 -9 33	108 6.8 36	83 7.8 39	113 -5.9 21	97 21.6 43	90 -3 37	101 6 36
DI 240021 97503254 DI240021		RV 180076 DI 210064	64 66	118 69	108 39	92 29	107 35	109 34	118 49	114 42	69 1.64 72	80 0.62 39	106 10 29	118 8.8 69	108 3.0 39	118 57 46	116 11.7 60	90 -11 34	100 3.8 38	93 -0.6 39	114 -6.2 23	101 23.6 44	98 1 38	107 10 37
DI 240025 97503296 DI240025	1	RV 180076 DI 200020	66 66	114 69	107 39	95 29	106 36	108 34	116 49	113 42	65 1.87 72	98 0.11 38	102 7 29	114 7.6 69	107 2.7 39	116 53 46	113 10.4 61	94 -1 34	117 10.3 38	102 -7.7 39	108 -4.7 24	101 23.6 45	87 -5 39	104 8 37
DI 240027 97503312 DI240027	2	Q 210039 DI 210015	77 67	137 70	101 41	85 28	90 31	97 33	122 49	111 41	83 0.98 73	74 0.79 36	115 18 28	137 15.7 70	101 1.2 41	121 65 46	133 20.6 63	108 28 35	100 3.8 39	78 12.0 37	98 -2.3 17	96 21.1 40	99 2 40	115 16 39
DI 240028 97503320 DI240028	1	DI 200037 DI 200064	76 68	121 70	119 41	82 28	95 32	101 33	110 49	106 41	83 0.98 73	71 0.88 42	117 21 28	121 10.0 70	119 5.5 41	123 68 46	123 15.5 62	111 36 39	133 16.2 43	89 3.1 35	92 -1.0 20	107 26.7 42	115 9 44	109 12 43
DI 240030 97503346 DI240030	1	DI 180033 DI 180042	104 68	118 70	99 41	90 25	96 32	97 33	109 48	103 40	105 -0.12 73	93 0.25 41	109 13 25	118 9.1 70	99 0.7 41	109 37 45	115 11.3 62	100 13 39	102 4.7 44	91 0.9 34	100 -2.9 18	97 21.6 43	116 10 44	110 12 43

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ID Number Name																								
DI 240031 97507164 DI240031	1	RV 180076 DI 200018	84 66	107 69	101 40	95 30	112 35	108 34	108 49	108 42	85 0.89 72	99 0.07 39	103 8 30	107 5.0 69	101 1.1 40	104 26 46	110 8.9 60	90 -10 34	104 5.2 39	98 -4.6 39	116 -6.6 23	106 26.2 43	93 -2 40	99 4 38
DI 240032 97507172 DI240032		RV 180076 DI 200041	90 66	112 69	106 38	94 29	108 36	109 34	115 49	113 42	94 0.44 72	85 0.48 39	103 8 29	112 6.9 69	106 2.4 38	113 46 45	113 10.1 60	99 9 32	125 13.3 36	95 -1.8 39	111 -5.4 24	105 25.8 44	98 1 37	108 11 36
DI 240037 97503387 DI240037	1	DI 140006 DI 160069	66 72	127 73	91 55	92 36	99 41	99 40	117 56	109 48	64 1.91 75	98 0.12 54	107 11 36	127 12.1 73	91 -1.2 55	110 39 55	124 15.7 66	107 28 48	100 3.7 51	104 -9.6 46	94 -1.5 26	102 24.3 50	102 3 52	95 1 51
DI 240038 97503395 DI240038	2	DI 200037 DI 190038	65 68	130 70	110 44	88 25	101 30	109 33	126 48	119 40	56 2.30 73	95 0.19 42	111 15 25	130 13.3 70	110 3.3 44	126 75 46	129 18.1 62	111 37 39	145 20.8 45	91 1.0 34	96 -2.0 14	111 29.2 41	114 9 46	113 14 44
DI 240039 97503403 DI240039	1	DI 180033 DI 150054	78 69	117 71	101 47	85 31	104 35	101 36	104 52	102 44	81 1.08 74	91 0.30 45	116 19 31	117 8.5 71	101 1.2 47	106 31 50	118 12.8 64	98 7 45	102 4.4 50	100 -5.9 37	101 -3.2 23	107 26.9 45	110 7 51	106 10 49
DI 240041 97507180 DI240041		RV 180076 DI 210055	64 66	127 69	99 38	92 28	110 35	113 34	125 49	120 42	54 2.39 72	92 0.27 38	106 11 28	127 12.0 69	99 0.9 38	117 55 45	122 14.8 60	100 11 33	113 8.9 37	96 -3.1 39	112 -5.7 23	106 26.5 44	100 2 37	103 7 36
DI 240043 97503437 DI240043	1	DI 180033 DI 140067	70 69	131 71	110 47	86 30	102 34	110 35	127 51	119 43	75 1.34 74	80 0.62 45	113 16 30	131 13.7 71	110 3.2 47	125 74 49	130 18.9 64	111 37 45	115 9.5 50	98 -4.4 36	103 -3.6 22	102 24.0 45	115 9 50	121 21 49
DI 240048 97503486 DI240048	2	DI 140006 DI 170071	93 70	114 72	116 53	88 36	94 38	99 39	109 54	104 46	96 0.32 74	83 0.52 51	110 14 36	114 7.6 72	116 4.8 53	119 60 54	118 12.6 64	114 42 45	98 2.8 49	100 -5.9 43	91 -0.8 24	99 22.5 48	120 12 49	108 11 48
DI 240050 97789051 DI240050		DI 140006 DI 140026	59 72	142 73	113 55	76 37	94 41	103 40	121 56	113 48	57 2.27 75	58 1.24 54	127 29 37	142 17.4 73	113 3.9 55	128 80 55	143 25.2 66	127 71 50	104 5.3 54	90 2.4 46	96 -1.9 27	99 22.5 50	113 8 54	116 17 53
DI 240053 97789085 DI240053	1	DI 200037 DI 200044	106 68	116 70	110 43	90 31	96 33	101 35	113 50	107 42	109 -0.34 73	78 0.68 43	108 13 31	116 8.4 70	110 3.4 43	117 55 48	124 15.6 62	109 32 39	138 18.1 44	96 -3.2 36	88 -0.1 22	108 27.5 42	106 5 44	102 7 43
DI 240054 97789093 DI240054		DI 140006 DI 140031	64 72	126 73	105 55	81 37	94 41	95 40	107 56	101 48	69 1.64 75	79 0.65 54	120 23 37	126 11.9 73	105 2.1 55	114 49 55	127 17.5 66	113 41 50	87 -1.0 54	93 -0.6 46	96 -1.9 26	98 22.0 50	103 3 54	104 8 53
DI 240057 97789127 DI240057		DI 180033 DI 190049	88 68	126 70	88 43	85 27	109 32	105 34	113 49	109 42	87 0.74 73	105 -0.10 41	115 19 27	126 11.7 70	88 -1.7 43	103 24 47	123 15.1 61	100 11 41	102 4.7 46	94 -1.2 34	111 -5.6 19	107 27.2 42	117 10 47	109 12 45

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DI 240060 97789150 DI240060	1	DI 200037 DI 190019	108 68	104 70	116 43	98 28	97 29	103 33	110 48	107 40	110 -0.38 73	84 0.51 40	99 4 28	104 4.0 70	116 4.8 43	117 56 47	111 9.3 60	103 19 39	118 10.8 44	99 -5.5 32	86 0.3 15	110 28.4 39	93 -1 45	90 -2 43
DI 240064 97789192 DI240064	2	DI 140006 DI 170052	91 70	116 72	111 53	78 35	96 38	94 39	95 54	94 46	97 0.26 74	68 0.95 52	125 27 35	116 8.3 72	111 3.6 53	109 38 53	119 13.3 64	115 46 45	91 0.3 49	95 -2.1 43	94 -1.6 23	102 24.1 47	119 11 50	112 14 49
DI 240066 97789218 DI240066	13	DI 200028 DI 200035	116 66	96 70	102 39	102 23	88 22	87 29	92 45	89 37	117 -0.74 72	88 0.40 36	97 2 23	96 1.1 70	102 1.4 39	99 16 44	97 2.2 60	87 -17 36	118 10.6 41	98 -4.5 28		101 23.7 36	73 -11 42	94 0 41
DI 240067 97789226 DI240067	1	DI 200037 DI 180034	72 68	126 70	117 45	90 29	99 32	109 34	127 50	119 42	74 1.43 73	94 0.21 44	107 11 29	126 11.6 70	117 4.9 45	130 84 48	125 16.5 61	108 30 38	138 18.2 43	93 -0.6 35	91 -0.7 19	112 29.5 41	113 9 44	113 14 42
DI 240068 97789234 DI240068	1	DI 180033 DI 170076	66 68	119 71	109 45	95 30	98 33	104 35	119 51	112 43	70 1.62 73	87 0.43 44	102 7 30	119 9.3 71	109 3.2 45	121 65 49	118 12.6 62	95 0 42	88 -1.0 47	94 -1.2 35	94 -1.5 19	105 26.1 44	119 12 48	106 10 46
DI 240069 97789242 DI240069	1	DI 180033 DI 200004	81 66	119 70	107 38	91 24	95 30	99 32	113 47	107 40	84 0.93 72	88 0.38 39	107 11 24	119 9.2 70	107 2.6 38	117 55 44	122 14.9 60	98 6 39	97 2.8 43	84 7.0 34	94 -1.4 16	107 26.9 40	113 9 44	102 6 42
DI 240072 97789275 DI240072	1	DI 200037 DI 200050	98 68	122 68	111 41	90 27	101 29	109 32	122 47	116 40	102 0.02 73	79 0.65 40	108 12 27	122 10.3 68	111 3.6 41	122 66 45	129 18.5 58	115 46 38	132 16.0 42	96 -3.3 33	93 -1.3 14	112 29.7 39	107 5 43	103 7 42
DI 240074 97789291 DI240074	1	DI 200037 DI 190051	67 68	139 69	105 42	87 27	98 31	108 33	132 48	121 40	72 1.49 73	82 0.57 41	113 16 27	139 16.3 69	105 2.1 42	127 78 46	137 22.1 58	116 46 38	150 23.0 42	90 2.2 34	93 -1.3 19	109 28.2 41	119 12 43	114 16 41
DI 240075 97789309 DI240075		DI 200037 DI 180087	101 68	111 69	116 44	83 29	99 33	100 34	104 49	102 42	141 -1.90 73	76 0.73 44	116 20 29	111 6.4 69	116 4.8 44	113 47 47	115 11.3 59	117 50 40	143 20.2 45	95 -1.9 35	91 -0.9 21	110 28.6 42	116 10 46	116 17 44
DI 240076 97789317 DI240076	2	DI 180033 DI 150041	72 68	132 70	104 46	82 26	98 31	102 34	118 49	111 42	74 1.40 73	94 0.21 43	118 22 26	132 14.1 70	104 2.0 46	119 60 47	133 20.4 61	104 21 41	110 7.4 46	90 2.2 35	96 -2.0 16	105 26.1 43	136 20 47	117 18 45
DI 240077 97789325 DI240077	2	DI 180033 DI 150007	70 68	122 70	102 47	98 26	102 31	108 34	124 49	117 42	65 1.87 73	119 -0.48 45	100 4 26	122 10.2 70	102 1.4 47	119 59 48	119 13.5 61	95 1 43	101 4.2 48	97 -3.5 35	99 -2.7 16	107 26.8 43	126 15 48	108 11 47
DI 240079 97789341 DI240079	2	DI 200037 DI 200059	74 68	128 69	123 43	82 28	96 30	106 33	120 48	114 40	82 1.04 73	66 1.02 40	118 21 28	128 12.5 69	123 6.3 43	130 85 47	128 17.8 59	124 64 38	145 20.9 43	89 2.8 34	91 -0.7 15	108 27.5 41	116 10 44	123 22 42

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DI 240083 97978449 DI240083		DI 200037 DI 150068	111 68	123 70	126 47	86 32	96 34	110 36	125 51	118 44	117 -0.72 72	57 1.27 46	112 16 32	123 10.9 70	126 7.0 47	133 91 50	133 20.4 60	123 62 43	146 21.3 48	101 -7.4 36	85 0.6 23	108 27.6 44	132 18 49	126 24 47
DI 250004 99409484 DI250004	1	Q 210039 DI 220006	95 65	124 54	96 37	85 26	96 30	96 29	108 41	102 35	98 0.20 71	81 0.60 36	115 18 26	124 11.0 54	96 0.1 37	108 35 39	124 15.6 48	104 21 34	107 6.6 39	82 8.4 36	100 -2.8 17	102 24.5 36	101 2 40	112 14 38
DI 250006 99409500 DI250006	2	Q 210039 DI 220072	94 65	124 54	104 38	75 26	103 31	100 30	101 41	100 36	97 0.29 71	87 0.41 37	130 32 26	124 11.1 54	104 2.0 38	108 35 39	127 17.3 48	118 52 36	102 4.7 40	97 -3.6 37	102 -3.3 18	105 25.7 37	107 5 41	122 21 40
DI 250007 99409518 DI250007	2	Q 210039 DI 220062	88 65	124 55	99 38	82 27	100 31	99 30	108 42	103 36	91 0.58 71	89 0.37 37	119 22 27	124 11.3 55	99 0.8 38	109 37 40	125 16.2 48	107 27 37	116 9.8 41	97 -4.1 37	98 -2.4 18	103 24.5 38	103 4 42	120 20 40
DI 250008 99409526 DI250008	2	Q 210039 DI 220057	88 65	120 54	100 37	89 26	91 29	92 29	106 41	99 35	92 0.50 71	78 0.67 36	110 14 26	120 9.6 54	100 1.0 37	110 40 39	119 13.3 48	102 15 34	100 3.8 38	83 8.1 36	93 -1.3 16	100 23.1 36	96 0 39	110 13 38
DI 250011 99409559 DI250011	1	DI 200037 DI 220014	77 66	117 53	117 36	96 24	90 28	100 28	119 40	110 34	82 1.02 72	80 0.62 37	101 5 24	117 8.7 53	117 4.9 36	127 78 38	116 12.0 44	95 1 35	124 12.8 40	81 9.2 33	88 -0.2 17	105 25.8 35	93 -2 41	96 2 39
DI 250012 99409567 DI250012	3	Q 210039 DI 220050	100 66	122 55	104 39	87 27	91 31	95 30	110 42	103 36	105 -0.12 72	73 0.81 37	112 15 27	122 10.3 55	104 1.9 39	114 49 40	125 16.4 48	110 35 37	111 7.9 41	89 3.0 37	90 -0.5 17	101 23.8 38	106 5 42	121 21 40
DI 250013 99409575 DI250013	1	DI 200037 DI 220003	119 66	105 53	109 35	96 22	90 26	93 27	102 39	97 33	121 -0.94 72	80 0.61 36	102 6 22	105 4.3 53	109 3.0 35	110 39 37	110 8.7 44	99 10 36	130 15.3 41	79 11.4 32	86 0.4 13	109 28.1 34	93 -2 42	92 -1 40
DI 250015 99409591 DI250015	1	Q 210039 DI 220066	99 66	121 54	101 36	78 24	103 29	100 29	101 40	100 34	102 0.01 72	83 0.54 35	124 27 24	121 10.0 54	101 1.3 36	105 30 38	126 16.8 47	115 46 35	109 7.1 39	91 0.9 35	102 -3.4 16	108 27.6 36	115 10 40	127 25 39
DI 250017 99409617 DI250017	3	DI 200028 DI 210039	118 66	107 53	108 40	82 22	99 26	95 28	92 39	92 34	126 -1.17 72	83 0.53 39	119 22 22	107 5.0 53	108 2.8 40	102 23 38	110 8.6 44	100 12 37	108 6.9 42	95 -2.4 32	96 -1.9 12	105 25.8 35	96 0 42	110 12 41
DI 250018 99409625 DI250018	2	Q 210039 DI 220082	78 66	131 54	103 37	88 25	94 29	100 29	120 41	111 35	85 0.88 72	72 0.84 36	111 15 25	131 13.4 54	103 1.6 37	120 62 39	128 17.9 47	108 30 35	109 7.1 39	87 4.8 36	96 -2.1 16	100 23.1 36	98 1 40	115 16 38
DI 250019 99409633 DI250019		Q 210039 DI 180002	78 68	130 56	93 44	80 30	101 33	99 32	108 44	103 38	79 1.16 73	100 0.04 42	123 26 30	130 13.3 56	93 -0.6 44	107 33 43	129 18.2 50	111 37 37	109 7.3 42	89 3.3 38	109 -4.9 22	99 22.5 40	104 4 43	120 20 41

Breeding Values and Accuracies: Cows

Green: >120 High
White: 80-120 Average
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Animal			Selection Values							Birth		Wean				Growth		Fertility				Frame		
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	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																								
DI 250020 99409641 DI250020	1	Q 210039 DI 210001	64 66	141 55	97 38	81 27	92 31	97 30	119 42	109 36	52 2.49 72	89 0.37 39	121 24 27	141 17.1 55	97 0.3 38	119 59 40	136 21.7 48	106 24 35	99 3.5 40	75 14.5 37	100 -3.0 19	99 22.6 37	95 0 41	111 14 39
DI 250021 99409658 DI250021	1	Q 210039 DI 220029	106 66	117 54	92 36	91 25	91 30	90 29	103 41	96 35	109 -0.32 72	82 0.55 36	108 12 25	117 8.5 54	92 -0.8 36	103 24 38	116 11.7 48	98 8 35	102 4.5 39	78 11.8 36	95 -1.7 17	101 23.6 36	89 -3 40	106 9 39
DI 250022 99409666 DI250022	1	DI 180033 DI 170081	78 68	124 56	98 45	75 26	106 31	100 31	99 43	99 37	81 1.09 73	91 0.30 44	129 32 26	124 11.2 56	98 0.6 45	103 25 42	127 17.5 49	114 43 43	113 8.7 48	93 -0.4 35	104 -3.8 17	111 29.1 40	133 18 48	120 20 47
DI 250025 99409690 DI250025		DI 200028 DI 210064	113 67	106 53	102 41	88 29	98 30	94 30	94 42	93 36	116 -0.70 72	76 0.72 40	111 15 29	105 4.6 53	102 1.5 41	100 19 41	106 7.0 44	95 2 38	102 4.7 43	94 -1.4 34	97 -2.1 19	103 24.7 37	93 -2 44	105 9 42
DI 250027 99409708 DI250027	1	Q 210039 DI 180001	64 68	141 57	94 47	70 32	101 34	98 34	105 46	102 40	60 2.12 73	91 0.31 43	138 39 32	141 17.0 57	94 -0.3 47	109 37 45	138 22.6 50	116 46 40	105 5.7 44	87 4.8 38	106 -4.3 23	103 24.6 41	105 5 46	122 22 44
DI 250028 99409716 DI250028	2	Q 210039 DI 200018	94 67	125 56	91 44	79 32	105 31	99 32	103 44	101 38	96 0.30 72	87 0.41 41	124 27 32	125 11.4 56	91 -1.1 44	100 19 44	127 17.1 49	113 41 38	103 5.0 42	94 -1.4 37	107 -4.5 19	105 25.8 38	105 5 43	120 20 42
DI 250029 99409724 DI250029	1	DI 200037 DI 190006	96 68	115 55	109 43	87 27	100 28	101 30	108 42	105 36	100 0.12 73	81 0.60 41	112 16 27	115 8.0 55	109 3.0 43	113 46 42	122 14.8 47	107 27 40	139 18.5 45	96 -3.0 33	91 -0.7 15	112 29.7 36	102 3 46	99 4 44
DI 250030 99409732 DI250030	1	DI 180033 DI 200016	70 66	129 54	113 39	86 25	94 29	102 29	121 41	112 35	76 1.32 71	79 0.66 40	113 17 25	129 12.7 54	113 4.0 39	126 75 39	133 20.1 46	108 29 40	121 11.9 44	94 -1.1 34	89 -0.4 15	104 25.1 37	131 18 45	119 19 43
DI 250031 99409740 DI250031	3	DI 180033 DI 170010	65 68	133 56	101 44	88 24	103 28	108 30	126 42	118 36	61 2.04 73	97 0.13 43	112 15 24	133 14.3 56	101 1.2 44	120 63 41	131 19.5 48	109 31 41	103 4.7 47	92 0.4 33	101 -3.1 13	108 27.4 38	125 14 48	117 18 46
DI 250032 99409757 DI250032	1	DI 180033 DI 150054	73 69	121 58	99 47	83 31	104 34	100 34	105 46	103 40	76 1.33 74	91 0.32 45	118 21 31	121 9.9 58	99 0.9 47	107 33 45	121 14.5 50	102 17 45	105 5.7 50	100 -5.9 37	101 -3.2 23	106 26.2 42	113 9 51	110 13 49
DI 250035 99409799 DI250035		DI 200028 DI 200064	80 67	117 53	104 42	83 29	96 32	94 31	101 42	97 36	85 0.89 72	82 0.57 42	117 20 29	117 8.7 53	104 2.0 42	108 36 41	116 12.0 44	102 17 39	111 7.8 44	92 0.5 36	94 -1.5 21	103 24.6 38	102 3 44	104 8 43
DI 250037 99409815 DI250037	1	Q 210039 DI 200025	100 67	126 55	97 43	83 32	99 32	99 32	110 44	105 38	101 0.07 72	91 0.30 40	118 21 32	126 11.9 55	97 0.3 43	109 38 43	125 16.1 48	107 28 35	103 4.8 40	83 7.6 37	104 -3.9 20	103 24.7 38	96 0 41	117 18 39

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Animal				Selection Values							Birth		Wean				Growth		Fertility				Frame	
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	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																								
DI 250044 99409880 DI250044	1	DI 200028 DI 190013	113 68	102 54	84 44	91 29	101 29	89 31	87 42	87 36	111 -0.42 73	104 -0.05 42	108 12 29	102 3.4 54	84 -2.7 44	84 -16 42	102 4.9 44	93 -3 39	105 5.5 44	103 -8.9 34	96 -2.0 17	104 25.3 36	80 -8 45	88 -4 43
DI 250046 99409906 DI250046	2	DI 200037 DI 190038	87 68	120 55	109 44	87 25	101 29	104 30	114 42	109 36	90 0.63 73	86 0.45 42	112 16 25	120 9.7 55	109 3.0 44	117 55 41	122 14.8 48	113 41 39	146 21.4 45	92 0.8 34	96 -1.9 14	110 28.7 38	116 10 46	114 16 44
DI 250047 99409914 DI250047	1	DI 200037 DI 220053	72 66	127 52	114 34	89 22	90 26	100 27	121 38	112 32	78 1.24 72	77 0.71 36	109 13 22	127 12.2 52	114 4.3 34	128 80 36	127 17.5 44	106 24 34	129 14.7 39	78 12.2 32	89 -0.3 12	107 26.7 34	99 1 40	99 4 38
DI 250048 99409922 DI250048		DI 180033 DI 210077	60 66	135 54	121 39	81 27	100 30	111 30	127 42	120 36	63 1.96 72	73 0.82 38	119 22 27	135 14.9 54	121 5.9 39	133 91 40	139 23.4 46	115 46 40	119 11.2 44	104 -9.6 34	94 -1.4 18	104 25.4 38	125 15 45	122 21 43
DI 250050 99409948 DI250050	1	Q 210039 DI 170082	99 68	130 57	108 47	69 33	105 34	103 34	101 46	102 40	101 0.06 73	86 0.45 45	139 40 33	130 13.2 57	108 2.8 47	110 41 46	132 20.0 50	119 53 39	112 8.3 44	91 1.6 39	107 -4.5 23	106 26.4 41	107 6 45	133 30 43
DI 250051 99409955 DI250051		Q 210039 DI 160048	71 68	132 58	113 49	69 33	104 35	104 34	105 47	104 40	75 1.35 73	86 0.46 45	138 40 33	132 13.9 58	113 4.1 49	116 53 47	134 20.6 51	114 43 41	110 7.6 46	87 4.6 39	112 -5.7 23	101 23.7 42	114 9 47	135 31 46
DI 250054 99409971 DI250054	1	Q 210039 DI 180058	99 68	120 56	93 46	78 33	105 34	97 33	97 45	96 39	96 0.31 73	110 -0.23 44	126 28 33	120 9.8 56	93 -0.7 46	98 14 45	118 13.0 50	106 26 40	107 6.6 45	101 -7.0 39	104 -3.8 23	104 25.1 41	107 6 46	121 21 44
DI 250056 99827669 DI250056	2	DI 200028 DI 210024	101 67	108 53	106 40	86 25	98 27	95 29	96 40	95 34	104 -0.10 72	82 0.55 40	113 17 25	108 5.4 53	106 2.4 40	104 28 39	111 9.1 44	98 7 38	106 6.1 44	92 0.4 33	95 -1.6 13	106 26.3 36	95 -1 44	102 7 43
DI 250058 99827685 DI250058	3	DI 200028 DI 180013	116 68	106 55	106 44	83 26	97 29	93 30	91 42	91 36	116 -0.69 73	93 0.24 44	117 20 26	106 4.8 55	106 2.4 44	102 22 42	109 8.2 44	104 21 39	116 9.8 43	93 -0.5 35	89 -0.4 14	110 28.5 38	98 1 44	105 9 43
DI 250059 99827693 DI250059	2	DI 200028 DI 180034	106 68	109 54	102 46	93 27	98 30	98 31	105 42	101 36	105 -0.15 73	101 0.03 44	105 9 27	109 5.7 54	102 1.6 46	106 32 42	108 7.9 46	97 5 38	114 9.0 43	97 -3.6 35	93 -1.2 16	106 26.6 38	99 2 44	105 9 43
DI 250060 99827701 DI250060	1	DI 180033 DI 170076	84 68	118 56	107 45	91 30	97 31	101 32	114 44	108 38	89 0.68 73	79 0.65 44	107 11 30	118 9.1 56	107 2.6 45	117 54 44	118 12.9 50	102 17 42	94 1.3 47	93 -0.4 35	95 -1.6 19	104 25.2 40	125 15 48	113 15 46
DI 250062 99827727 DI250062		DI 200028 DI 210065	83 66	116 53	117 42	79 29	101 31	101 31	101 42	101 36	90 0.61 71	64 1.06 41	122 25 29	116 8.1 53	117 4.9 42	114 49 41	120 13.9 44	103 18 40	112 8.2 45	98 -4.9 35	97 -2.1 19	105 26.0 38	97 1 46	111 13 44

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Animal		Selection Values									Birth		Wean				Growth		Fertility				Frame	
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	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
DI 250063 99827735 DI250063	3	DI 200028 DI 200022	121 65	94 53	89 42	90 25	101 27	87 29	80 40	82 34	127 -1.24 70	103 -0.04 41	109 13 25	94 0.5 53	89 -1.6 42	81 -23 40	97 2.4 44	97 6 39	102 4.4 44	100 -6.3 33	95 -1.8 13	108 27.4 36	99 2 45	90 -3 43
DI 250066 99827768 DI250066	2	Q 210039 DI 210060	90 66	132 55	97 41	77 29	100 30	100 31	108 42	104 36	95 0.39 72	79 0.66 38	127 30 29	132 13.9 55	97 0.3 41	109 37 42	133 20.1 48	122 61 38	113 8.8 42	95 -2.0 36	101 -3.0 16	103 24.8 38	111 8 43	124 23 42
DI 250067 99827776 DI250067	2	DI 200028 DI 200004	120 65	96 52	96 40	96 23	95 28	88 28	88 40	87 34	121 -0.90 70	92 0.29 41	102 6 23	96 1.2 52	96 0.0 40	92 0 38	99 3.2 44	86 -19 37	105 5.7 41	88 3.8 34	93 -1.3 15	104 25.4 36	80 -8 42	88 -4 41
DI 250068 99827784 DI250068		DI 180033 DI 150080	69 68	132 58	93 47	82 26	105 32	104 32	113 45	109 38	51 2.55 73	112 -0.29 45	120 23 26	132 13.7 58	93 -0.7 47	109 37 44	129 18.2 50	105 23 46	102 4.5 51	96 -3.3 36	103 -3.6 19	109 28.0 41	143 24 52	110 12 50
DI 250069 99827792 DI250069	2	DI 200037 DI 210020	70 66	125 53	120 40	85 22	93 27	102 28	117 40	110 34	76 1.33 71	76 0.74 39	114 18 22	125 11.4 53	120 5.6 40	128 79 38	131 19.1 45	106 25 37	130 15.2 42	90 2.2 33	87 0.2 12	108 27.4 35	107 5 43	101 5 42
DI 250070 99827800 DI250070	4	DI 200028 DI 170071	71 66	113 55	116 46	89 26	99 28	102 30	109 42	106 36	72 1.51 71	99 0.08 44	109 13 26	113 7.1 55	116 4.6 46	118 58 42	112 9.6 46	95 0 38	115 9.7 44	98 -4.3 34	96 -2.0 13	104 25.1 38	102 3 45	106 10 43

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
					★★★★☆								
1	DI 240004	DI240004	RV 180076	DI 210079	0.8	59 63	136 69	112 36	89 26	101 33	113 32	135 48	125 40
2	DI 240007	DI240007	RV 180076	DI 210072	0.7	62 63	119 69	107 36	107 26	100 33	111 32	127 48	120 40
3	DI 240012	DI240012	Q 210039	DI 210065	3.3	59 68	142 71	118 43	68 30	104 32	110 34	116 50	114 42
					★★★★								
1	DI 180033	DI180033	DI 090003	DI 150086	1.1	70 81	129 84	114 53	80 36	98 44	104 43	116 61	111 52
2	DI 200037	DI200037	Q 130020	DI 150001	0.6	90 82	121 82	124 56	85 40	99 44	108 44	119 62	114 53
3	DI 210006	DI210006	STR 160006	DI 180038	0.6	95 68	113 71	119 50	100 33	88 38	100 38	118 53	110 46
4	DI 230013	DI230013	DI 140006	DI 180038	0.7	75 70	127 72	118 51	81 34	96 38	103 38	116 54	110 46
5	DI 230026	DI230026	DI 160086	DI 200018	1.3	87 68	112 70	95 42	91 25	107 30	102 33	106 48	104 40
6	DI 230037	DI230037	DI 160086	DI 150001	0.5	91 70	121 72	114 49	78 27	108 35	109 36	109 52	109 44
7	DI 230074	DI230074	STR 160006	DI 180066	0.9	96 70	116 58	110 49	115 36	85 38	103 36	127 48	117 42
8	DI 240002	DI240002	Q 210039	DI 210066	1.8	88 66	126 70	98 41	84 29	107 31	106 33	114 49	111 41
9	DI 240014	DI240014	Q 210039	DI 210019	2.8	66 67	142 70	107 40	85 27	88 29	100 32	129 48	116 40
10	DI 240015	DI240015	Q 210039	DI 210024	3.3	79 67	141 70	105 42	74 28	101 31	105 33	117 49	112 41
11	DI 240017	DI240017	RV 180076	DI 200016	0.7	62 66	125 69	110 39	89 29	104 35	109 34	122 49	117 42
12	DI 240020	DI240020	RV 180076	DI 210020	0.7	63 66	128 69	110 38	84 27	103 33	108 33	119 48	114 40
13	DI 240026	DI240026	DI 180033	DI 200012	2.0	67 67	129 70	101 40	90 24	96 28	101 31	121 47	112 39
14	DI 240044	DI240044	DI 200037	DI 190006	1.3	92 68	112 70	111 43	87 27	100 28	101 32	105 48	103 40
15	DI 240047	DI240047	Q 210039	DI 170010	1.0	65 68	134 71	96 48	83 33	106 34	106 36	119 52	113 44
16	Q 210039	Q 210039	Q 160029	Q 130084	1.2	67 80	142 84	96 56	71 40	104 45	103 44	111 63	108 54
					★★★★☆								
1	DI 210023	DI210023	DI 140006	DI 140025	1.2	107 72	112 73	100 55	86 36	100 40	96 40	99 56	97 48
2	DI 230006	DI230006	Q 130020	DI 200071	1.1	105 68	116 71	108 51	98 38	84 39	93 39	114 54	104 46
3	DI 230010	DI230010	Q 130020	DI 190019	0.7	111 70	93 72	113 51	112 38	87 38	94 39	101 54	97 46
4	DI 230019	DI230019	DI 140006	DI 170081	1.1	88 70	115 72	95 53	80 35	100 39	92 39	92 54	91 46
5	DI 230022	DI230022	Q 130020	DI 140047	0.8	88 72	119 73	120 56	96 40	86 42	99 41	120 57	111 49

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc		
					★★★☆☆									
6	DI 230032	DI230032	DI 140006	DI 140031	0.2	74 72	123 73	105 55	79 37	94 40	92 40	100 56	96 48	
7	DI 230047	DI230047	STR 160006	DI 150055	1.0	106 70	107 72	92 53	113 35	91 39	96 39	109 55	103 47	
8	DI 230048	DI230048	Q 130020	DI 150041	1.0	105 68	108 69	107 56	92 40	90 43	92 41	101 55	96 48	
9	DI 230078	DI230078	DI 140006	DI 130052	0.6	101 71	119 61	91 55	86 37	94 40	90 38	100 51	95 44	
10	DI 230082	DI230082	STR 160006	DI 200076	0.5	86 69	122 57	104 46	95 34	82 37	90 35	114 47	103 41	
11	DI 230083	DI230083	DI 140006	DI 170082	0.4	104 70	119 59	111 52	78 36	95 38	96 37	100 49	97 43	
12	DI 230088	DI230088	STR 160006	DI 190060	1.2	76 69	119 57	105 46	107 30	84 35	96 33	119 45	108 39	
13	DI 240013	DI240013	Q 210039	DI 210008	0.9	65 67	130 70	92 40	93 29	91 31	94 33	119 49	107 41	
14	DI 240040	DI240040	DI 180033	DI 150055	0.5	90 69	112 71	101 46	89 28	102 32	99 34	104 50	101 42	
15	DI 240051	DI240051	DI 180033	DI 190018	0.4	95 68	112 70	108 43	84 28	100 31	98 33	100 49	98 41	
16	DI 240052	DI240052	DI 180033	DI 160070	1.9	120 68	103 71	103 46	94 25	97 30	96 33	100 49	98 41	
17	DI 240062	DI240062	Q 210039	DI 200022	1.8	105 68	115 71	89 44	81 31	104 32	95 35	94 50	94 42	
18	DI 240065	DI240065	DI 200028	DI 190016	3.5	97 68	110 70	119 44	82 25	98 29	99 33	99 48	99 40	
19	DI 240081	DI240081	DI 180033	DI 180043	0.5	66 66	128 70	91 44	83 26	97 31	94 33	106 49	100 41	
					★★★									
1	DI 140006	DI140006	PH 100083	DI 110005	0.0	98 90	108 92	104 78	91 56	86 63	85 57	95 76	89 66	
2	DI 200028	DI200028	Q 130020	DI 130056	0.2	123 81	96 80	95 57	90 41	99 44	88 44	83 61	84 52	
3	DI 230089	DI230089	DI 140006	DI 170019	0.4	71 69	117 59	99 51	87 36	88 38	86 36	99 49	92 42	
4	DI 240046	DI240046	DI 200037	DI 190013	1.8	93 68	94 70	100 43	91 28	101 29	89 33	86 48	87 40	
5	DI 240070	DI240070	DI 200028	DI 210061	0.6	92 66	114 69	113 40	87 28	81 29	85 32	99 48	92 40	

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
					★★★★★								
1	DI 220086	DI220086	DI 160086	DI 150068	0.2	84 71	121 71	119 48	92 31	110 41	120 38	131 53	127 46
					★★★★☆								
1	DI 170071	DI170071	Q 120063	DI 140074	0.0	65 80	112 79	136 78	88 52	99 52	110 51	118 67	115 59
2	DI 180038	DI180038	Q 130020	DI 140074	0.2	79 79	110 77	140 72	86 46	104 50	114 48	116 64	115 56
3	DI 210065	DI210065	Q 120063	DI 110040	0.0	64 76	130 74	138 66	69 48	102 50	113 47	114 62	114 54
4	DI 210077	DI210077	Q 130020	DI 140061	0.4	72 74	130 74	127 63	82 47	101 48	114 45	128 61	122 53
5	DI 220005	DI220005	DI 160086	DI 190016	0.3	71 68	121 71	123 44	85 29	105 38	112 36	120 51	117 44
6	DI 240001	DI240001	Q 210039	DI 210077	1.5	74 66	138 71	111 42	77 30	103 33	110 34	123 50	118 42
7	DI 240010	DI240010	RV 180076	DI 210013	0.8	63 66	129 69	109 37	99 27	100 34	113 33	136 48	126 40
8	DI 240011	DI240011	RV 180076	DI 210003	0.9	63 66	125 69	111 37	105 27	97 33	111 33	132 48	123 40
9	DI 240041	DI240041	RV 180076	DI 210055	0.4	64 66	127 69	99 38	92 28	110 35	113 34	125 49	120 42
10	DI 240043	DI240043	DI 180033	DI 140067	0.6	70 69	131 71	110 47	86 30	102 34	110 35	127 51	119 43
11	DI 240083	DI240083	DI 200037	DI 150068	0.3	111 68	123 70	126 47	86 32	96 34	110 36	125 51	118 44
					★★★★								
1	DI 150001	DI150001	DI 090003	DI 120032	1.9	93 84	114 82	135 83	72 51	102 55	106 53	100 70	103 62
2	DI 160048	DI160048	DI 090003	DI 100001	1.2	85 81	118 80	130 80	67 47	103 53	104 51	94 68	98 60
3	DI 170010	DI170010	DI 090063	DI 140052	0.5	70 80	129 79	88 78	96 51	107 52	108 51	127 67	119 59
4	DI 170052	DI170052	Q 120063	DI 140004	0.1	59 80	134 79	126 78	65 52	104 51	108 50	105 67	107 58
5	DI 170076	DI170076	Q 120063	DI 090073	0.0	80 81	114 78	100 77	108 54	95 53	103 51	119 67	111 59
6	DI 170082	DI170082	DI 090003	DI 140068	0.4	114 81	123 78	120 76	67 50	105 53	105 50	97 66	101 58
7	DI 180034	DI180034	PH 100083	DI 150007	0.0	79 79	126 78	110 76	97 53	98 52	109 50	131 67	121 58
8	DI 180087	DI180087	PH 100083	DI 130035	0.0	112 79	119 77	116 72	79 48	98 53	102 49	106 65	104 57
9	DI 190016	DI190016	Q 120063	DI 150001	0.0	81 78	112 77	145 73	81 52	97 50	109 49	113 65	111 57
10	DI 190019	DI190019	DI 140006	DI 160030	1.6	123 76	95 76	106 70	112 48	94 46	100 46	104 63	102 54
11	DI 190038	DI190038	DI 090063	DI 150028	0.1	68 78	132 76	93 72	89 49	102 50	105 48	122 64	114 56
12	DI 190049	DI190049	DI 090063	DI 110044	1.1	73 79	119 77	69 74	91 48	118 52	104 49	106 65	105 57

Selection List on Cow Value

Cows 2 years and older

ID		Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	
Sorted on ID						Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	
						★★★								
13	DI 200012	DI200012	STR 160006	DI 170010	0.4	8076	12374	9266	11348	9446	10546	12861	11854	
14	DI 200041	DI200041	Q 130020	DI 150031	0.2	10576	11974	10463	9247	9749	10246	11661	10954	
15	DI 200050	DI200050	DI 140006	DI 150047	1.0	11076	10975	9467	9946	10346	10245	11061	10653	
16	DI 210024	DI210024	Q 120063	DI 170081	0.0	8675	11874	11763	8246	9647	10045	10761	10453	
17	DI 210039	DI210039	Q 120063	DI 170082	0.1	9575	12974	12063	7446	9947	10645	11260	10952	
18	DI 210053	DI210053	Q 130020	DI 160004	0.2	8575	12074	12362	9245	9247	10545	12360	11552	
19	DI 210055	DI210055	DI 140006	DI 160069	1.0	7175	12874	9462	9241	10045	10343	12259	11351	
20	DI 210064	DI210064	Q 120063	DI 140031	0.1	8575	12274	10965	8647	9748	10146	11361	10854	
21	DI 210066	DI210066	DI 140006	DI 160025	1.4	10774	10873	9861	10141	10844	10943	11458	11250	
22	DI 220028	DI220028	Q 130020	DI 130012	0.3	10773	10773	9557	10941	9847	10143	11158	10650	
23	DI 220066	DI220066	DI 160086	DI 180013	0.2	10372	11071	10745	8629	10239	10037	10152	10044	
24	DI 220067	DI220067	DI 140006	DI 160043	2.6	9673	11872	11253	9736	9642	10640	12255	11548	
25	DI 220082	DI220082	STR 160006	DI 180007	0.7	8770	11970	10948	11533	8341	10238	12953	11746	
26	DI 230007	DI230007	Q 130020	DI 200012	0.6	9468	10771	11050	11838	8739	10239	12154	11246	
27	DI 230014	DI230014	DI 160086	DI 190016	0.3	9368	10871	12344	8729	10334	10735	10851	10743	
28	DI 230062	DI230062	Q 130020	DI 170010	0.2	9670	11772	10554	10739	9341	10540	12356	11548	
29	DI 230069	DI230069	Q 130020	DI 180034	0.3	10370	11272	11354	10639	8941	10240	11956	11148	
30	DI 230071	DI230071	DI 160086	DI 170071	1.5	6969	11671	11647	9027	10433	10835	11650	11342	
31	DI 230077	DI230077	DI 160086	DI 180013	0.2	8869	11757	10845	8429	10235	10233	10745	10539	
32	DI 240003	DI240003	Q 210039	DI 210053	2.3	6266	13770	11042	8129	9832	10634	12449	11642	
33	DI 240005	DI240005	RV 180076	DI 210007	0.8	8764	10969	11137	9827	10034	10433	11348	10940	
34	DI 240006	DI240006	Q 210039	DI 210039	3.5	7966	13770	10542	7428	10231	10433	11449	10941	
35	DI 240019	DI240019	RV 180076	DI 210037	0.7	6366	12269	11236	9427	10134	10933	12448	11740	
36	DI 240021	DI240021	RV 180076	DI 210064	0.2	6466	11869	10839	9229	10735	10934	11849	11442	
37	DI 240025	DI240025	RV 180076	DI 200020	0.8	6666	11469	10739	9529	10636	10834	11649	11342	
38	DI 240028	DI240028	DI 200037	DI 200064	1.3	7668	12170	11941	8228	9532	10133	11049	10641	
39	DI 240031	DI240031	RV 180076	DI 200018	0.6	8466	10769	10140	9530	11235	10834	10849	10842	
40	DI 240032	DI240032	RV 180076	DI 200041	0.5	9066	11269	10638	9429	10836	10934	11549	11342	
41	DI 240038	DI240038	DI 200037	DI 190038	2.0	6568	13070	11044	8825	10130	10933	12648	11940	

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
					★★★★								
42	DI 240039	DI240039	DI 180033	DI 150054	0.5	78 69	117 71	101 47	85 31	104 35	101 36	104 52	102 44
43	DI 240050	DI240050	DI 140006	DI 140026	0.2	59 72	142 73	113 55	76 37	94 41	103 40	121 56	113 48
44	DI 240053	DI240053	DI 200037	DI 200044	0.6	106 68	116 70	110 43	90 31	96 33	101 35	113 50	107 42
45	DI 240057	DI240057	DI 180033	DI 190049	0.3	88 68	126 70	88 43	85 27	109 32	105 34	113 49	109 42
46	DI 240060	DI240060	DI 200037	DI 190019	1.3	108 68	104 70	116 43	98 28	97 29	103 33	110 48	107 40
47	DI 240067	DI240067	DI 200037	DI 180034	1.0	72 68	126 70	117 45	90 29	99 32	109 34	127 50	119 42
48	DI 240068	DI240068	DI 180033	DI 170076	0.9	66 68	119 71	109 45	95 30	98 33	104 35	119 51	112 43
49	DI 240072	DI240072	DI 200037	DI 200050	1.3	98 68	122 68	111 41	90 27	101 29	109 32	122 47	116 40
50	DI 240074	DI240074	DI 200037	DI 190051	0.8	67 68	139 69	105 42	87 27	98 31	108 33	132 48	121 40
51	DI 240075	DI240075	DI 200037	DI 180087	0.2	101 68	111 69	116 44	83 29	99 33	100 34	104 49	102 42
52	DI 240076	DI240076	DI 180033	DI 150041	1.9	72 68	132 70	104 46	82 26	98 31	102 34	118 49	111 42
53	DI 240077	DI240077	DI 180033	DI 150007	1.8	70 68	122 70	102 47	98 26	102 31	108 34	124 49	117 42
54	DI 240079	DI240079	DI 200037	DI 200059	1.9	74 68	128 69	123 43	82 28	96 30	106 33	120 48	114 40
						★★★★☆							
1	DI 150054	DI150054	MVN 060064	DI 050007	0.3	109 84	100 82	85 83	85 56	109 57	93 54	81 71	85 62
2	DI 150055	DI150055	DI 090063	DI 110036	0.6	107 82	103 81	84 82	100 49	105 54	97 52	99 69	98 60
3	DI 150080	DI150080	DI 090063	DI 080014	3.5	80 82	117 81	71 83	84 48	113 55	95 52	93 69	93 60
4	DI 170081	DI170081	DI 090063	DI 110040	1.4	83 81	121 80	82 79	71 50	114 54	96 51	83 68	88 60
5	DI 180001	DI180001	DI 090003	DI 150037	0.4	67 78	132 78	93 75	69 49	97 52	90 50	91 66	90 58
6	DI 180002	DI180002	DI 090003	DI 150047	0.3	104 77	113 75	91 69	90 42	98 50	93 46	99 62	95 54
7	DI 180013	DI180013	PH 100083	DI 150001	0.0	110 79	117 77	117 74	77 53	95 52	97 50	100 66	98 58
8	DI 180058	DI180058	DI 090003	DI 120029	0.4	93 80	107 77	90 73	85 50	105 52	93 49	91 66	91 58
9	DI 190006	DI190006	DI 140006	DI 160069	1.0	92 77	113 76	93 71	89 47	101 48	96 47	102 63	99 55
10	DI 190018	DI190018	Q 130020	DI 150080	1.0	88 79	115 77	100 73	89 51	102 50	99 49	106 65	103 57
11	DI 190029	DI190029	Q 120063	DI 100091	0.3	66 79	113 77	112 73	91 53	93 52	96 50	107 66	101 58
12	DI 200004	DI200004	STR 160006	DI 170081	0.2	98 75	104 73	97 61	106 42	90 46	92 44	101 59	96 52
13	DI 200016	DI200016	Q 130020	DI 150041	1.0	85 69	123 74	112 64	92 46	89 49	99 46	120 61	110 54

Selection List on Cow Value

Cows 2 years and older

ID Name Sorted on ID		Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
					★★★★								
14	DI 200018	DI200018	DI 140006	DI 140025	1.2	11076	11275	8668	8848	10546	9746	9762	9654
15	DI 200020	DI200020	Q 130020	DI 110067	1.8	10875	11074	10564	9547	9550	9746	10862	10354
16	DI 200022	DI200022	DI 140006	DI 150080	1.3	10876	10375	8268	9146	10446	9146	8861	8854
17	DI 200025	DI200025	STR 160006	DI 170082	0.5	12676	11374	9866	9848	9446	9846	11161	10454
18	DI 200044	DI200044	PH 100083	DI 110070	0.0	10779	11976	9071	8854	9353	9050	10266	9658
19	DI 200064	DI200064	PH 100083	DI 130020	0.0	7578	12575	11366	7849	9352	9648	10563	10056
20	DI 210013	DI210013	STR 160006	DI 180034	0.8	10274	12573	10060	10841	8344	9843	12758	11450
21	DI 210020	DI210020	DI 140006	DI 150041	4.5	8375	11774	11562	8537	8843	9242	10358	9750
22	DI 210029	DI210029	STR 160006	DI 180037	0.5	8674	11573	10259	11839	8343	9842	12457	11250
23	DI 210060	DI210060	DI 140006	DI 170023	1.1	8274	13373	9860	8341	9744	9943	11658	10950
24	DI 220006	DI220006	STR 160006	DI 190018	0.9	9872	11471	9650	10835	8742	9539	11354	10446
25	DI 220014	DI220014	STR 160006	DI 190029	0.3	9172	10371	10950	11436	8242	9239	10854	10146
26	DI 220031	DI220031	DI 140006	DI 180002	0.6	10872	11072	9850	9233	10142	9839	10454	10146
27	DI 220034	DI220034	DI 140006	DI 180009	1.9	9870	11572	10550	8934	9037	9238	10453	9846
28	DI 220050	DI220050	Q 130020	DI 140009	0.9	11173	10973	11156	11441	7846	9443	11758	10650
29	DI 220060	DI220060	STR 160006	DI 190071	0.8	6870	12271	9745	11230	8639	9837	12452	11344
30	DI 220062	DI220062	Q 130020	DI 180058	0.6	10673	10872	10253	9640	9545	9642	10557	10050
31	DI 220065	DI220065	DI 140006	DI 180066	2.0	9772	10972	11350	9536	9142	9640	10855	10248
32	DI 220072	DI220072	DI 140006	DI 170082	0.4	10073	11372	11352	7936	10143	9940	9755	9848
33	DI 230020	DI230020	DI 140006	DI 200017	1.8	6968	11671	10347	11032	8636	9636	11752	10744
34	DI 230021	DI230021	Q 130020	DI 190006	0.8	9670	11872	10352	9638	9139	9739	11555	10647
35	DI 230027	DI230027	DI 140006	DI 140025	1.2	9671	10873	10755	9036	10040	9940	10256	10048
36	DI 230029	DI230029	STR 160006	DI 130007	0.7	12372	9772	9454	11737	8641	9040	10056	9548
37	DI 230033	DI230033	DI 140006	DI 160048	0.2	8970	12872	10954	7435	9640	9839	10455	10147
38	DI 230035	DI230035	Q 130020	DI 190029	0.3	10570	10372	11353	10139	8741	9440	10556	9948
39	DI 230043	DI230043	Q 130020	DI 190010	0.6	11470	10672	12351	9939	8540	9740	11155	10448
40	DI 230050	DI230050	STR 160006	DI 200059	0.5	6869	13471	11349	9635	8238	9838	13253	11746
41	DI 230052	DI230052	DI 140006	DI 200025	0.9	12169	10871	10148	9634	9136	9337	10352	9844
42	DI 230054	DI230054	Q 130020	DI 170077	0.5	9070	12672	11855	9639	8142	9741	12656	11348

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
					★★★★								
43	DI 230055	DI230055	Q 130020	DI 190005	0.8	104 69	120 71	111 50	87 38	90 38	96 38	111 54	103 46
44	DI 230065	DI230065	DI 140006	DI 170050	0.6	110 70	115 72	111 52	77 33	96 40	95 39	95 54	95 46
45	DI 230067	DI230067	DI 140006	DI 180002	0.6	106 70	106 72	99 50	92 33	94 39	90 38	97 54	93 46
46	DI 230068	DI230068	Q 130020	DI 140033	1.0	69 72	131 73	109 57	99 41	83 43	98 42	130 58	116 50
47	DI 230079	DI230079	Q 130020	DI 190028	0.5	107 69	110 58	108 50	107 38	84 40	95 37	113 49	104 43
48	DI 230080	DI230080	Q 130020	DI 180087	0.1	114 70	111 59	117 53	91 38	89 41	96 38	108 50	102 44
49	DI 230086	DI230086	DI 160086	DI 180011	0.5	82 67	112 56	104 43	96 30	92 34	95 32	108 45	101 38
50	DI 230090	DI230090	STR 160006	DI 190023	0.8	80 69	123 57	112 46	111 33	76 37	95 34	127 47	112 40
51	DI 240018	DI240018	DI 140006	DI 170081	1.1	87 70	113 72	94 53	83 35	100 39	91 39	92 55	91 47
52	DI 240027	DI240027	Q 210039	DI 210015	1.7	77 67	137 70	101 41	85 28	90 31	97 33	122 49	111 41
53	DI 240030	DI240030	DI 180033	DI 180042	1.2	104 68	118 70	99 41	90 25	96 32	97 33	109 48	103 40
54	DI 240037	DI240037	DI 140006	DI 160069	1.0	66 72	127 73	91 55	92 36	99 41	99 40	117 56	109 48
55	DI 240048	DI240048	DI 140006	DI 170071	1.6	93 70	114 72	116 53	88 36	94 38	99 39	109 54	104 46
56	DI 240054	DI240054	DI 140006	DI 140031	0.2	64 72	126 73	105 55	81 37	94 41	95 40	107 56	101 48
57	DI 240064	DI240064	DI 140006	DI 170052	1.7	91 70	116 72	111 53	78 35	96 38	94 39	95 54	94 46
58	DI 240069	DI240069	DI 180033	DI 200004	0.8	81 66	119 70	107 38	91 24	95 30	99 32	113 47	107 40
						★★							
1	DI 190013	DI190013	DI 140006	DI 150054	2.1	122 78	99 77	74 72	92 48	103 48	86 48	81 64	82 56
2	DI 210001	DI210001	STR 160006	DI 180001	0.5	71 72	124 72	98 51	93 35	80 44	84 40	109 55	97 48
3	DI 210007	DI210007	STR 160006	DI 180013	0.8	119 74	105 73	105 60	97 41	84 44	87 43	99 58	93 50
4	DI 220003	DI220003	STR 160006	DI 190006	0.8	113 69	102 71	93 49	112 33	82 40	86 38	99 53	92 46
5	DI 220029	DI220029	STR 160006	DI 190056	0.7	119 72	101 71	89 47	122 33	77 41	84 38	104 53	94 46
6	DI 220053	DI220053	STR 160006	DI 190005	0.8	84 71	122 71	105 47	94 33	82 40	89 38	112 53	101 46
7	DI 220057	DI220057	STR 160006	DI 180011	1.2	100 72	100 71	104 49	117 35	77 41	86 39	104 54	95 46
8	DI 230045	DI230045	STR 160006	DI 190013	1.1	116 69	103 71	87 49	112 34	87 37	89 37	100 53	94 45
9	DI 240066	DI240066	DI 200028	DI 200035	13.1	116 66	96 70	102 39	102 23	88 22	87 29	92 45	89 37

Selection List on Cow Value

Bull Calves younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
1	DI 250005	DI250005	DI 200037	DI 220086	0.5	69 65	128 53	121 35	88 22	104 27	116 27	131 39	125 33
2	DI 250024	DI250024	Q 210039	DI 150001	0.7	64 68	141 58	115 50	72 33	103 35	110 35	119 47	115 41
1	DI 250009	DI250009	DI 200037	DI 220060	1.2	66 65	126 52	110 34	95 22	93 26	103 27	127 38	116 32
2	DI 250010	DI250010	DI 200037	DI 220067	1.6	90 66	120 53	118 36	90 23	97 26	107 27	122 39	115 33
3	DI 250023	DI250023	DI 200037	DI 200012	0.6	80 67	124 54	108 41	96 29	96 29	106 30	125 42	116 36
4	DI 250026	DI250026	DI 180033	DI 200041	3.6	94 66	121 54	109 38	86 22	97 27	102 28	113 40	108 34
5	DI 250033	DI250033	DI 180033	DI 190049	0.3	85 68	120 56	92 43	85 27	108 31	103 31	107 43	105 37
6	DI 250034	DI250034	DI 200037	DI 180087	0.2	93 68	123 55	120 44	82 29	98 32	106 32	116 44	111 38
7	DI 250038	DI250038	DI 180033	DI 150055	0.5	75 69	121 57	99 46	89 28	102 32	102 32	113 45	108 38
8	DI 250039	DI250039	DI 200037	DI 210013	1.0	113 66	117 53	112 39	94 26	91 28	100 29	116 40	109 34
9	DI 250040	DI250040	DI 180033	DI 190018	0.4	76 68	123 56	107 43	84 28	100 30	102 31	112 43	108 37
10	DI 250041	DI250041	DI 200037	DI 220065	1.5	87 66	117 53	119 35	89 22	95 26	103 27	116 39	110 33
11	DI 250042	DI250042	DI 200037	DI 190029	0.3	91 68	112 55	118 44	88 31	96 31	100 32	108 44	104 38
12	DI 250043	DI250043	Q 210039	DI 180038	1.5	66 68	128 56	118 46	78 30	104 33	109 33	116 45	113 39
13	DI 250045	DI250045	Q 210039	DI 210053	2.3	66 66	135 56	109 42	81 29	98 31	105 31	121 43	114 37
14	DI 250057	DI250057	DI 200037	DI 210055	1.3	71 66	128 53	109 39	88 25	99 27	106 28	124 40	116 34
1	DI 250003	DI250003	Q 210039	DI 220028	1.5	101 66	120 55	95 40	86 28	101 31	99 31	106 42	102 36
2	DI 250036	DI250036	DI 180033	DI 200020	0.4	118 66	109 54	110 39	87 27	96 31	97 30	101 42	99 36
3	DI 250049	DI250049	DI 200028	DI 170052	3.4	76 68	119 55	110 46	76 25	101 28	98 30	97 42	97 36
4	DI 250052	DI250052	DI 180033	DI 200044	6.5	108 68	117 55	102 41	84 25	96 28	95 29	102 41	98 35
5	DI 250055	DI250055	DI 200028	DI 190016	3.5	94 68	107 55	120 44	85 25	98 28	99 30	101 42	100 36
6	DI 250064	DI250064	DI 200028	DI 190019	0.8	114 66	92 53	100 43	99 29	96 29	91 30	90 42	89 36
7	DI 250065	DI250065	DI 200028	DI 210029	1.2	116 65	101 52	98 39	102 25	91 27	91 28	99 40	95 34

Selection List on Cow Value

Bull Calves younger than 2 years

ID Name Sorted on ID		Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
					★★								
1	DI 250014 DI250014	DI 200028	DI 210007	2.0	11866	9952	10039	9324	9127	8728	9039	8734	

Selection List on Cow Value
Heifers younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
					★★★★☆								
1	DI 250048	DI250048	DI 180033	DI 210077	0.4	60 66	135 54	121 39	81 27	100 30	111 30	127 42	120 36
					★★★★								
1	DI 250006	DI250006	Q 210039	DI 220072	1.7	94 65	124 54	104 38	75 26	103 31	100 30	101 41	100 36
2	DI 250011	DI250011	DI 200037	DI 220014	0.6	77 66	117 53	117 36	96 24	90 28	100 28	119 40	110 34
3	DI 250015	DI250015	Q 210039	DI 220066	1.3	99 66	121 54	101 36	78 24	103 29	100 29	101 40	100 34
4	DI 250018	DI250018	Q 210039	DI 220082	1.7	78 66	131 54	103 37	88 25	94 29	100 29	120 41	111 35
5	DI 250022	DI250022	DI 180033	DI 170081	1.0	78 68	124 56	98 45	75 26	106 31	100 31	99 43	99 37
6	DI 250029	DI250029	DI 200037	DI 190006	1.3	96 68	115 55	109 43	87 27	100 28	101 30	108 42	105 36
7	DI 250030	DI250030	DI 180033	DI 200016	1.1	70 66	129 54	113 39	86 25	94 29	102 29	121 41	112 35
8	DI 250031	DI250031	DI 180033	DI 170010	3.3	65 68	133 56	101 44	88 24	103 28	108 30	126 42	118 36
9	DI 250032	DI250032	DI 180033	DI 150054	0.5	73 69	121 58	99 47	83 31	104 34	100 34	105 46	103 40
10	DI 250046	DI250046	DI 200037	DI 190038	2.0	87 68	120 55	109 44	87 25	101 29	104 30	114 42	109 36
11	DI 250047	DI250047	DI 200037	DI 220053	1.1	72 66	127 52	114 34	89 22	90 26	100 27	121 38	112 32
12	DI 250050	DI250050	Q 210039	DI 170082	0.6	99 68	130 57	108 47	69 33	105 34	103 34	101 46	102 40
13	DI 250051	DI250051	Q 210039	DI 160048	0.3	71 68	132 58	113 49	69 33	104 35	104 34	105 47	104 40
14	DI 250060	DI250060	DI 180033	DI 170076	0.9	84 68	118 56	107 45	91 30	97 31	101 32	114 44	108 38
15	DI 250062	DI250062	DI 200028	DI 210065	0.5	83 66	116 53	117 42	79 29	101 31	101 31	101 42	101 36
16	DI 250066	DI250066	Q 210039	DI 210060	2.1	90 66	132 55	97 41	77 29	100 30	100 31	108 42	104 36
17	DI 250068	DI250068	DI 180033	DI 150080	0.4	69 68	132 58	93 47	82 26	105 32	104 32	113 45	109 38
18	DI 250069	DI250069	DI 200037	DI 210020	2.3	70 66	125 53	120 40	85 22	93 27	102 28	117 40	110 34
19	DI 250070	DI250070	DI 200028	DI 170071	4.0	71 66	113 55	116 46	89 26	99 28	102 30	109 42	106 36
					★★★★☆								
1	DI 250004	DI250004	Q 210039	DI 220006	1.5	95 65	124 54	96 37	85 26	96 30	96 29	108 41	102 35
2	DI 250007	DI250007	Q 210039	DI 220062	1.7	88 65	124 55	99 38	82 27	100 31	99 30	108 42	103 36
3	DI 250008	DI250008	Q 210039	DI 220057	1.7	88 65	120 54	100 37	89 26	91 29	92 29	106 41	99 35
4	DI 250012	DI250012	Q 210039	DI 220050	2.6	100 66	122 55	104 39	87 27	91 31	95 30	110 42	103 36
5	DI 250013	DI250013	DI 200037	DI 220003	1.1	119 66	105 53	109 35	96 22	90 26	93 27	102 39	97 33
6	DI 250017	DI250017	DI 200028	DI 210039	3.4	118 66	107 53	108 40	82 22	99 26	95 28	92 39	92 34

Selection List on Cow Value

Heifers younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
					★★★★								
7	DI 250019	DI250019	Q 210039	DI 180002	0.3	78 68	130 56	93 44	80 30	101 33	99 32	108 44	103 38
8	DI 250020	DI250020	Q 210039	DI 210001	0.9	64 66	141 55	97 38	81 27	92 31	97 30	119 42	109 36
9	DI 250021	DI250021	Q 210039	DI 220029	1.5	106 66	117 54	92 36	91 25	91 30	90 29	103 41	96 35
10	DI 250025	DI250025	DI 200028	DI 210064	0.2	113 67	106 53	102 41	88 29	98 30	94 30	94 42	93 36
11	DI 250027	DI250027	Q 210039	DI 180001	0.6	64 68	141 57	94 47	70 32	101 34	98 34	105 46	102 40
12	DI 250028	DI250028	Q 210039	DI 200018	1.8	94 67	125 56	91 44	79 32	105 31	99 32	103 44	101 38
13	DI 250035	DI250035	DI 200028	DI 200064	0.4	80 67	117 53	104 42	83 29	96 32	94 31	101 42	97 36
14	DI 250037	DI250037	Q 210039	DI 200025	0.9	100 67	126 55	97 43	83 32	99 32	99 32	110 44	105 38
15	DI 250054	DI250054	Q 210039	DI 180058	0.7	99 68	120 56	93 46	78 33	105 34	97 33	97 45	96 39
16	DI 250056	DI250056	DI 200028	DI 210024	1.9	101 67	108 53	106 40	86 25	98 27	95 29	96 40	95 34
17	DI 250058	DI250058	DI 200028	DI 180013	3.4	116 68	106 55	106 44	83 26	97 29	93 30	91 42	91 36
18	DI 250059	DI250059	DI 200028	DI 180034	2.2	106 68	109 54	102 46	93 27	98 30	98 31	105 42	101 36
						★★							
1	DI 250044	DI250044	DI 200028	DI 190013	1.3	113 68	102 54	84 44	91 29	101 29	89 31	87 42	87 36
2	DI 250063	DI250063	DI 200028	DI 200022	3.0	121 65	94 53	89 42	90 25	101 27	87 29	80 40	82 34
3	DI 250067	DI250067	DI 200028	DI 200004	2.1	120 65	96 52	96 40	96 23	95 28	88 28	88 40	87 34

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

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.

