

NGUNI

BREEDING VALUE REPORT

September 2026



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NGUNI Cattle Breeders' Society
Beestelersgenootskap



LOGIX



EBVs, EBVi's and GEBVs

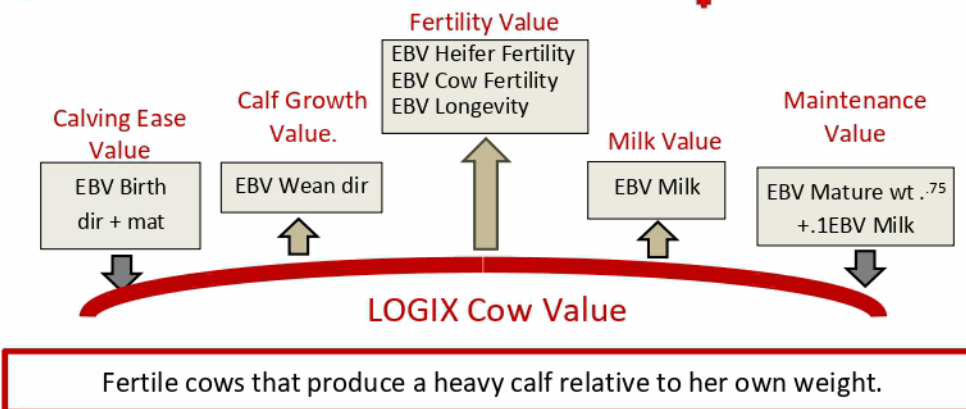
EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

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.

LOGIX Cow Value



Selection Values

LOGIX Cow Value



Selecting for:

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

LOGIX Growth Value



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

LOGIX 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.

How to use the Cow Value

Selection values should be compatible with your selection goal.

AVERAGE ANIMALS

(NO GROWTH EXTREMES)

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

GROWERS

(GOOD ENVIRONMENT)

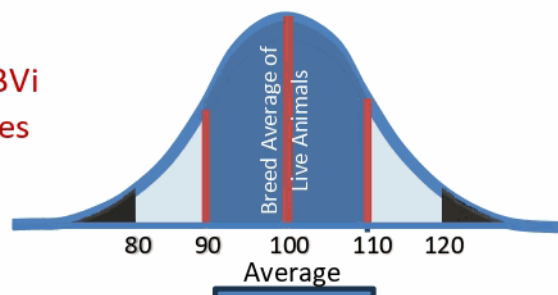
- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

LOW- MAINTENANCE ANIMALS

(HARSH ENVIRONMENT)

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

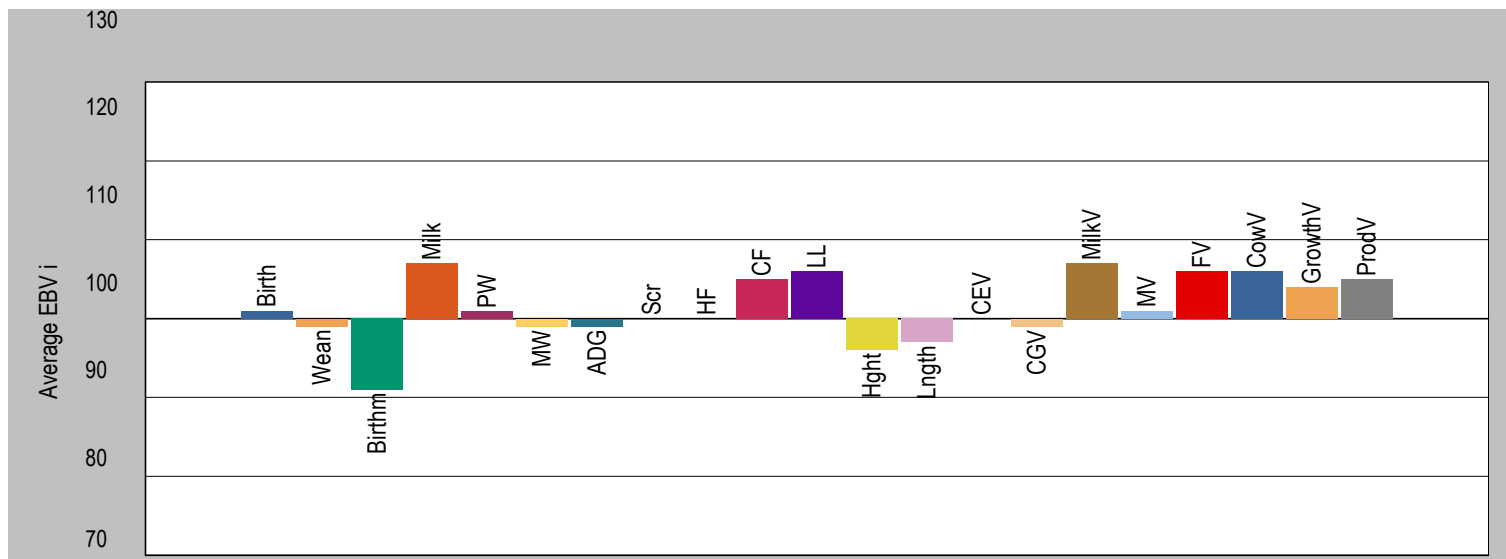
Interpretation of EBVi and Selection Values



Examples

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

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	EBVIndex	EBV Breed
Prewean Growth	Birth Weight	0.06	101	0.12
	Wean Weight	2.3	99	2.6
	Birth Mat.	0.30	91	0.05
	Milk (Wn.Mat.)	2.6	107	1.0
Postwean Growth	Postwean Wt	4.0	101	3.7
	Mature Weight	4	99	5
	ADG	9	99	12
Fertility	Scrotal Circumf.	3.6	100	3.8
	Heifer Fertility	-6.4	100	-6.2
	Cow Fertility	-4.0	105	-2.9
	Longevity	26.2	106	23.2
Frame	Height	0	96	2
	Length	3	97	5

Selection Value	Ave. Herd
Calving Ease	100
Calf Growth	99
Milk	107
Maintenance	101
Fertility	106
Cow Value	106
Growth Value	104
Production Value	105

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

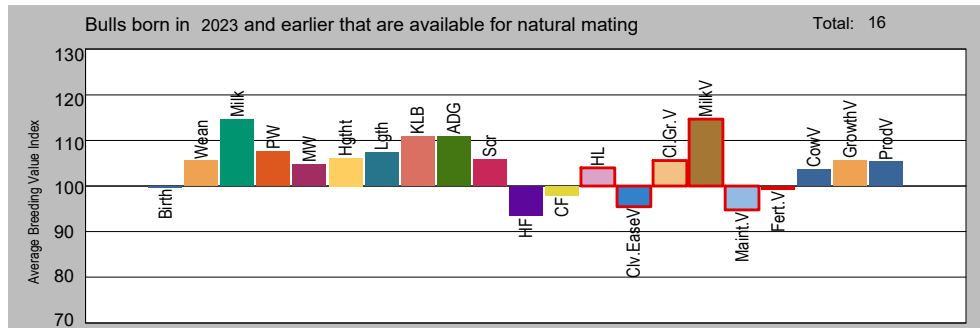
What does a sub-selection value above breed average (100) mean?:

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

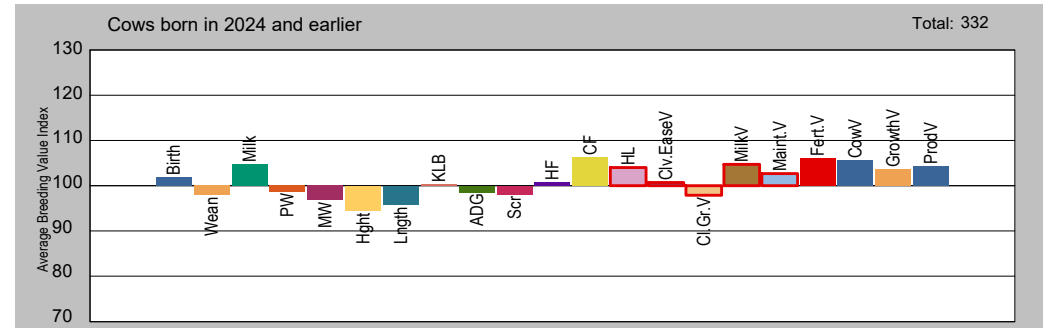
Genetic Windows

Animals available for breeding

Bulls on the farm

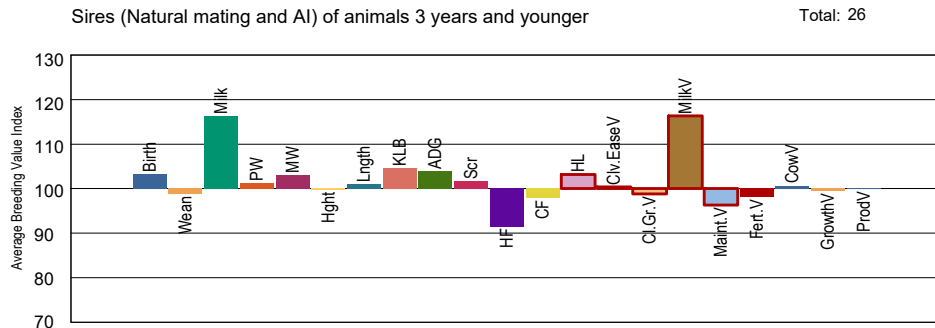


Cow Herd

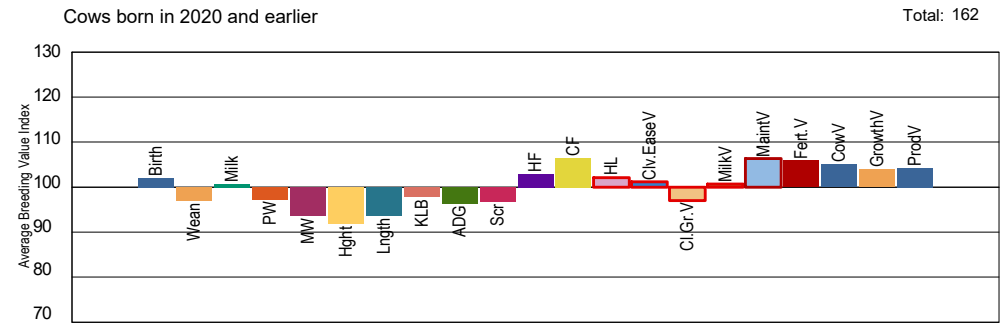


Results of previous selection decisions

Sires of young animals

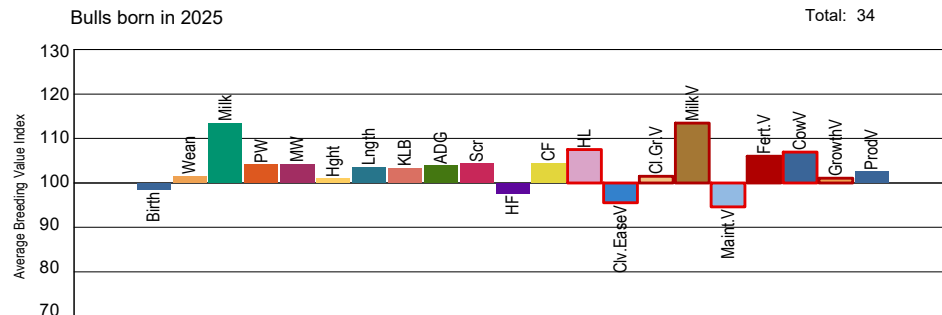


Cows older than 6 years

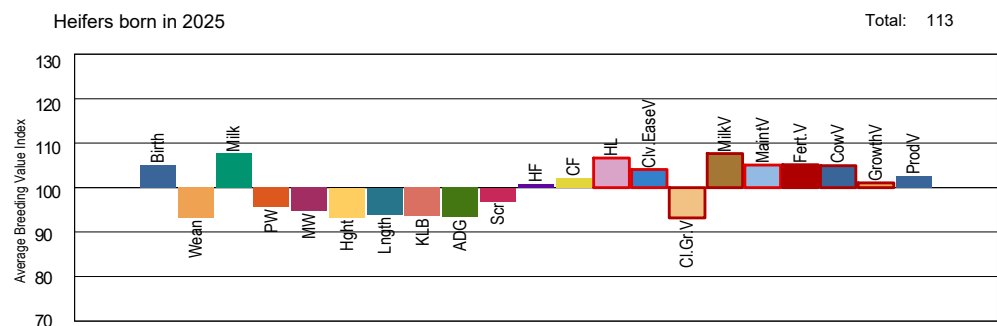


Selection possibilities

Bull calves



Heifer calves

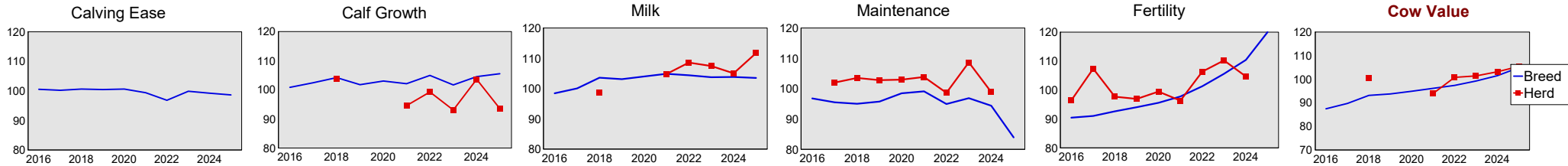


Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				Fertility				Frame		
Birth Year	No. Cows	Average Cow Value	Calving Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat)	Postwn Weight	Mature Weight	ADG	Kleiber	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	
Cows in Breed Average:			100	100	100	101	100	100	100	100	100	100	100	100	100	100	99	99	99	99	100	100	100	99	99
2008	3	★★★★★	110	83	111	116	113	114	105	110	110	83	96	111	83	83	94	102	86	102	127	92	80	78	
2009	2	★★★★☆	115	78	122	114	96	100	92	95	115	78	97	122	81	86	100	107	89	90	107	90	86	88	
2010	10	★★★★☆	99	103	98	101	102	100	103	101	100	103	96	98	102	99	99	100	100	106	110	89	91	95	
2011	10	★★★★	96	95	108	101	95	93	92	91	105	95	95	108	96	99	99	100	98	99	101	91	98	97	
2012	9	★★★★☆	105	95	92	114	103	102	103	102	104	95	102	92	96	87	91	92	93	110	106	93	86	89	
2013	12	★★★★☆	104	98	87	111	110	106	105	106	103	98	104	87	97	90	91	92	91	111	110	101	89	91	
2014	16	★★★★☆	108	88	99	113	106	104	101	102	107	88	104	99	90	86	85	86	89	110	106	98	83	86	
2015	14	★★★★★	104	100	94	111	110	110	111	110	104	100	98	94	100	90	92	94	93	105	109	105	87	89	
2016	7	★★★★	95	104	117	101	89	97	106	101	97	104	87	117	105	98	109	110	111	81	87	104	98	103	
2017	21	★★★★★	104	91	105	109	111	110	104	107	106	91	98	105	92	91	94	94	96	106	108	108	92	93	
2018	5	★★★★	95	101	106	90	103	98	94	95	97	101	88	106	104	110	106	109	105	96	95	113	99	99	
2019	24	★★★★☆	98	101	97	104	109	107	106	107	98	101	96	97	100	96	98	99	97	104	109	106	94	96	
2020	35	★★★★☆	97	100	105	103	104	107	106	107	99	100	92	105	101	97	104	105	102	97	107	105	97	99	
2021	20	★★★★☆	101	96	103	104	97	100	98	100	102	96	94	103	98	95	98	101	97	98	104	95	95	97	
2022	43	★★★★★	96	103	111	94	108	110	105	108	98	103	87	111	104	106	105	108	102	98	111	107	102	102	
2023	53	★★★★☆	107	93	106	104	108	108	102	105	108	93	93	106	95	95	96	98	97	102	107	107	94	94	
2024	73	★★★★☆	98	101	110	97	103	104	103	104	100	101	91	110	102	102	103	104	100	98	103	104	98	99	
2025	113	★★★★☆	104	93	108	105	105	105	101	103	105	93	92	108	96	95	93	94	97	101	102	107	93	94	
2026	98	★★★★☆	95	105	109	96	107	108	108	108	98	105	88	109	106	103	104	104	103	99	104	109	100	103	
Cows in Herd Average:			102	96	105	105	104	104	102	103	103	96	95	105	97	95	98	100	97	101	106	101	93	94	

Genetic Trends for On-Farm Traits

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



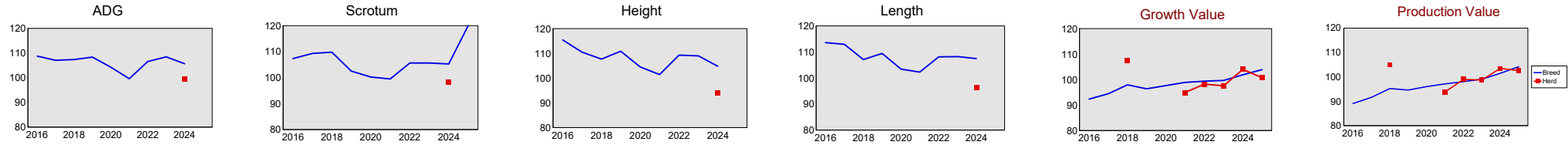
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility						Cow Value
	Birth Weight		Calv. Ease	Mat EBV	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight	Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity			
	Number	Dir EBV			Number	EBV		Number	EBV		Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	
2016														29 -3.7		22 -2.3		23 22.3		96			
2017											1 2 102			61 -12.0		27 -4.7		41 23.4		107			
2018					24	4.0	104	24	0.73	99	2 1 104			41 -8.8		6	-3.7	50	17.8	98	101		
2019											17 2 103			53 -5.5		33	-3.9	53	20.2	97			
2020											29 2 103			53 -1.5		36	-3.9	53	21.7	99			
2021					203	0.7	95	203	2.12	105	139	2.2	15	0	104	49	-1.8	28	-3.8	144	18.5	96	94
2022					219	2.4	99	219	3.01	109	88	2.7	13	6	99	57	-0.4	34	-5.8	181	21.0	106	101
2023					245	0.2	93	245	2.74	107	37	1.4	3	-12	109	43	-8.4	3	-8.9			110	101
2024					107	3.9	104	107	2.18	105	22	4.6			99	32	-4.6					105	103
2025					115	0.3	94	115	3.72	112													105

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		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility		
	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														
2017														
2018													108	105
2019														
2020														
2021													95	94
2022													98	99
2023													98	99
2024	9	11	99	9	3.2	98	9	-1	94	9	2	96	104	103
2025													101	103

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 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	
CS 000090		FF 950014 CS 910034	110	68	125	101	81	76	67	69	135	68	88	125	74	96	94	94	101	99	65	89	79			26	13	34
CS 090			74	85	82	58	82	62	79	70	-1.59	-8.5	0.40	6.8	-9.3	1	-1	1.5	-7.1	-2.6	4.5	-3	-11					
CS 040003		CS 950031 CS 980121	83	125	83	103	90	94	120	108	83	125	104	83	116	96	110	107	118	83	90	100	108			41	8	28
CS 043			60	90	80	55	75	60	78	69	0.98	11.6	-0.05	-3.1	12.0	1	35	6.3	-20.9	1.0	17.6	2	11					
CS 050079		CS 990021 CS 000092	75	142	131	71	75	91	115	104	83	142	51	131	143	133	144	129	70	84	88	149	145			52	13	36
CS 0579			56	92	82	51	79	61	80	70	0.98	17.4	1.44	8.2	25.2	35	109	14.9	19.0	0.8	16.9	26	39					
CS 060004		CS 020121 CS 960065	107	69	147	113	62	75	77	74	108	69	94	147	82	86	102	108	97	67	68	86	98			65	32	135
CS 064			54	92	91	75	84	67	86	76	-0.27	-8.2	0.21	11.9	-5.3	-8	16	6.9	-3.7	4.9	6.0	-5	3					
CS 060045		CP 940049 CS 960056	80	128	81	89	112	107	117	113	83	128	89	81	123	111	111	114	107	126	89	93	107			284	49	158
CS 0645			74	95	92	71	88	69	88	78	0.98	12.4	0.36	-3.5	15.1	14	37	9.2	-12.3	-8.9	17.3	-2	11					
CS 060073		CS 020121 CS 940064	71	118	72	117	102	102	120	112	70	118	110	72	108	87	103	121	123	118	70	97	104			42	7	36
CS 0673			56	88	79	61	73	59	77	68	1.62	9.0	-0.23	-5.5	7.8	-8	18	11.8	-25.7	-7.0	6.9	1	8					
CS 060600			107	89	100	113	92		92		105	89	103	100	89	89			97	104	82					23	7	27
CS060600			26	79	70	32	49		62		-0.14	-1.3	-0.02	0.9	-1.7	-6			-3.5	-3.8	13.3							
CS 070024		CS 950321 CS 020072	103	102	45	126	95	84	97	90	98	102	121	45	96	77	84	87	100	124	63	77	84			59	8	20
CS 0724			56	89	76	58	76	59	78	68	0.20	3.4	-0.53	-11.7	1.7	-16	-24	-1.1	-6.6	-8.6	3.3	-9	-7					
CS 070312		CS 950031 CS 010349	83	105	103	92	57	56	77	65	84	105	98	103	100	106	99	93	71	62	78	97	99			41	11	27
CS07312			52	88	79	48	77	58	77	68	0.93	4.4	0.12	1.8	3.8	11	8	1.1	18.0	6.0	11.1	0	4					
CS 080046		NRF 980053 CS 950018	115	54	127	132	96	100	91	95	134	54	105	127	63	63	66	67	117	105	76	63	60			48	2	7
CS080046			53	91	70	44	66	53	73	63	-1.56	-13.5	-0.10	7.3	-14.9	-29	-63	-8.7	-20.7	-4.1	10.5	-16	-26					
CS 080076		CP 940049 CS 010021	121	87	127	95	87	89	87	87	124	87	83	127	93	101	107	108	82	98	89	96	101			10	1	3
CS080076			58	84	64	41	64	51	68	60	-1.05	-2.1	0.53	7.2	0.2	6	28	6.8	8.6	-2.3	17.3	0	6					

Sires

Bull			Selection Values								Calf		Dam		Growth			Fertility				Frame		Measured Progeny				
ID	Index EBV Acc	Sire ID Dam ID	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	Scrotal	Heifer	Cow	Long-	Height	Length	Birth	Wean	Dgt/Calvs.	Grwth	
			Ease	Grwth	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight		Circ.	Fertility	Fertility	evity			wt	wt		Test	
CS 080122		CP 940049 CS 030014	109	84	118	120	73	83	93	88	109	84	94	118	90	80	84	99	81	71	92	73	82			95	14	45
CS080122			56	92	82	43	77	59	78	68	-0.35	-3.1	0.24	5.3	-1.1	-14	-24	3.6	9.4	3.9	19.0	-11	-8					
CS 080207		NRF 980053 CS 040106	128	62	95	126	126	116	89	101	123	62	116	95	64	74	74	65	124	134	97	59	61			14	7	24
CS080207			46	86	77	42	75	56	74	65	-1.04	-10.9	-0.39	-0.2	-14.5	-19	-46	-9.6	-26.2	-10.9	21.8	-19	-25					
CS 080378		NRF 980053 CS 040369	105	90	125	101	80	85	91	87	107	90	88	125	93	96	108	96	92	81	88	101	100			45	8	15
CS080378			41	81	73	51	71	55	71	63	-0.23	-0.9	0.40	6.9	0.0	1	30	2.3	0.5	1.6	16.7	3	5					
CS 100063		CS 950031 CS 000069	107	77	145	88	84	85	73	77	107	77	92	145	79	108	108	99	81	101	81	93	97			5	4	11
CS100063			59	82	73	47	69	54	71	62	-0.25	-5.5	0.27	11.4	-6.7	12	29	3.5	9.5	-3.0	12.8	-2	3					
CS 100070		CS 060045 CS 050013	77	120	113	96	90	100	121	111	83	120	74	113	119	101	115	116	94	95	90	99	107			45	8	12
CS100070			46	84	72	51	73	56	73	64	0.97	9.8	0.78	4.0	13.2	6	45	10.1	-1.5	-1.6	17.8	1	10					
CS 100153		CS 060045 CS 040146	83	114	114	93	115	119	123	122	87	114	83	114	114	104	114	108	116	109	108	107	115			11	33	
CS100153			49	76	79	44	72	54	70	62	0.77	7.5	0.53	4.2	10.6	8	43	6.7	-19.2	-5.1	27.7	5	16					
CS 100332		CS 050390 CS 060302	75	119	115	83	82	86	101	93	79	119	85	115	116	116	113	105	90	82	92	114	116					
CS100332			28	65	50	27	47	37	51	44	1.18	9.3	0.48	4.4	11.6	20	41	5.6	2.1	1.3	18.7	9	17					
CS 100430				103	87	96	64		76			103		87	99	102			79	60	89					4	10	
CS10430				55	56	30	44		47			3.5	-2.1	3.3	7				11.5	6.5	17.2							
CS 110045		LCK 040002 CS 990101	129	71	71	121	117	100	80	88	124	71	125	71	74	81	71	86	136	126	82	75	73			4	2	5
CS110045			45	71	66	47	70	51	66	58	-1.07	-7.7	-0.66	-5.6	-9.5	-13	-52	-1.6	-36.5	-9.1	13.4	-11	-15					
CS 110056		LCK 040002 CS 000128	101	98	89	108	88	85	91	87	102	98	95	89	96	94	110	103	84	100	86	113	107			56	11	23
CS110056			44	92	77	59	74	59	79	69	0.03	1.8	0.19	-1.5	1.8	-1	34	5.0	6.8	-3.0	15.7	9	11					
CS 120013		VEN 080083 MAK 090309	76	122	109	85	117	119	122	121	79	122	89	109	119	114			91	118	116					3	14	
CS120013			14	62	63	44	50	42	55	48	1.15	10.6	0.37	3.1	13.2	18			0.9	-7.2	31.9							

Sires

Bull			Selection Values								Calf		Dam		Growth			Fertility				Frame		Measured Progeny				
ID	Index EBV Acc	Sire ID Dam ID	Calv. Ease	Calf Grwth	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	
			Value	Value																								
CS 130056	LCK 040002	CS 990098	118	68	92	124	119	110	91	99	131	68	109	92	73	76	81	82	123	128	91	89	81			1	4	
ESCOURT CS130056			41	74	67	50	60	49	65	57	-1.43	-8.5	-0.20	-0.8	-9.7	-17	-30	-3.2	-25.1	-9.3	18.3	-4	-10					
CS 130145	CS 060004	CS 100054	118	63	147	104	66	71	63	65	119	63	88	147	77	94	87	93	77	71	81	76	81			67	4	5
CS130145			40	84	66	50	69	53	71	62	-0.82	-10.3	0.40	11.8	-7.9	-1	-17	1.0	13.1	3.9	13.1	-10	-9					
CS 140348	CS 100430	CS 090304	80	127	101	75	70	69	86	76	84	127	83	101	122	130			71	58	105					32	2	2
CS140348			22	81	56	34	55	44	61	52	0.91	12.0	0.54	1.3	14.8	32			18.0	6.8	25.8							
CS 150081	CS 080122	CS 070062	93	96	119	100	82	86	95	90	94	96	93	119	97	97	104	112	84	79	98	98	99			1		2
CS150081			39	75	57	31	52	42	59	50	0.41	1.2	0.26	5.5	2.2	2	20	8.4	6.7	2.1	22.2	1	5					
CS 160177	CS 050079	CS 080162	77	133	127	78	88	100	118	110	85	133	62	127	130	123	144	121	70	101	92	132	130			103	5	6
CS160177			36	85	66	42	67	51	69	60	0.88	14.1	1.12	7.2	18.7	26	109	12.0	18.8	-3.2	19.0	18	28					
CS 160211	CS 080076	CS 110186	101	100	132	85	90	94	93	93	105	100	75	132	104	113	113	111	78	97	97	106	109			7		
CS160211			36	73	51	30	55	42	57	50	-0.14	2.5	0.76	8.4	5.8	17	41	8.2	11.8	-2.2	21.6	5	12					
CS 170021	CS 080122	CS 060068	96	112	118	96	97	106	117	112	101	112	77	118	113	101	109	109	88	91	111	101	103			1		
CS170021			39	63	56	31	53	41	54	48	0.08	6.8	0.69	5.2	10.0	6	31	7.1	4.0	-0.8	29.3	2	7					
CS 170044	CS 080122	CS 080213	119	75	120	118	86	91	88	88	116	75	105	120	79	82	82	88	96	88	88	64	76					1
CS170044			38	57	56	32	54	40	52	46	-0.69	-6.3	-0.08	5.7	-6.9	-12	-28	-0.8	-3.2	-0.2	16.6	-16	-13					
CS 170110	CS 100153	CS 110076	116	84	108	97	120	112	93	101	116	84	95	108	88	101	98	94	112	114	115	98	99			16		
CS170110			34	64	56	35	54	41	55	48	-0.67	-2.9	0.18	2.9	-2.2	6	8	1.5	-16.2	-6.2	31.5	1	4					
CS 180164	CS 100153	CS 110123	94	108	98	94	123	119	114	116	95	108	95	98	106	104	104	89	111	118	117	104	108			19		1
CS180164			31	68	56	32	52	41	55	48	0.38	5.3	0.20	0.5	6.7	8	21	-0.3	-15.2	-7.2	32.3	4	11					
CS 180185	CS 100063	CS 160042	108	80	128	106	89	93	87	89	108	80	98	128	82	94	92	95	104	94	84	74	80			36		3
CS180185			32	75	51	27	53	41	57	49	-0.26	-4.4	0.10	7.6	-5.3	-1	-6	1.9	-9.9	-1.5	14.4	-11	-10					

Sires

Bull			Selection Values							Calf		Dam		Growth			Fertility				Frame		Measured Progeny					
ID	Index EBV Acc	Sire ID Dam ID	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	Scrotal	Heifer	Cow	Long-	Height	Length	Birth	Wean	Dgt/Calvs.	Grwth	
			Ease	Grwth	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight		Circ.	Fertility	Fertility	evity			wt	wt		Test	
CS 190043		CS 100070 MAK 090361	105	88	99	114	106	104	99	101	104	88	100	99	89	88	81	86	103	102	107	81	82	23				
CS190043			27	61	52	27	47	37	50	44	-0.08	-1.4	0.06	0.8	-1.6	-6	-30	-1.5	-8.7	-3.4	26.9	-7	-9					
CS 200001		CS 080378 CS 180009	99	98	109	103	109	110	109	110	100	98	91	109	99	95		97	103	89	127	95	99					
CS200001			25	53	53	33	45	36	47	42	0.10	1.8	0.32	3.2	3.2	0		2.6	-9.0	-0.4	37.5	0	4					
CS 200020		SW 130624 CS 090209	115	74	114	110	121	117	93	104	113	74	103	114	78	91	91	84	93	125	116	80	82	11				
CS200020			31	59	52	32	50	38	50	44	-0.53	-6.4	-0.03	4.3	-7.1	-4	-9	-2.2	-0.5	-8.7	31.6	-8	-9					
CS 200093		CS 130145 CS 160145	106	85	140	96	89	95	92	93	110	85	79	140	95	100			83	77	115			30				
CS200093			27	66	46	28	47	37	51	44	-0.37	-2.7	0.66	10.2	1.3	5			7.7	2.5	31.2							
CS 200211		CS 100332 CS 140063	87	113	103	88	114	111	110	111	89	113	88	103	110	111	109	104	100	107	117	103	106					
CS200211			28	45	41	24	41	30	40	35	0.65	7.3	0.38	1.7	8.7	15	31	5.5	-6.0	-4.6	32.5	4	10					
CS 200304		CS 130145	108	86	130	94	86		85		111	86	85	130	93	103	100	98	84	76	109	101	101	10				
CS 200304			20	58	33	25	38		43		-0.40	-2.3	0.48	8.0	0.2	7	11	2.8	7.3	2.8	28.2	3	6					
CS 210300		CS 080378 CS 100422	100	102	119	97	90	96	103	99	103	102	84	119	102	100	104	88	88	82	108	107	103	7				
CS210300			25	67	49	28	45	37	51	44	-0.04	3.2	0.49	5.5	4.8	5	20	-1.0	3.6	1.3	27.6	5	7					
CS 990021		FF 950014 CS 960045	95	106	144	73	63	70	75	71	101	106	51	144	110	130	126	116	61	87	67	117	111	1	136	42	153	
CS 1999 21			82	95	92	75	88	70	89	80	0.05	4.7	1.44	11.2	8.8	32	70	9.9	26.2	0.1	5.3	10	14					
											83	95	80	92	65	75	40	45	93	75	96	46	44					
EX 090200		CS 020092 EX 050051	96	99	125	103	91	101	107	104	101	99	77	125	103	95	99	89	72	96	104	93	87	1	82	22	104	1
EX 9.200			58	93	87	75	76	64	84	74	0.09	2.3	0.70	6.8	5.0	0	10	-0.2	17.4	-2.0	25.4	-2	-5					
											59	93	56	87	76	75	47	60	83	56	89	55	53					
EX 100036		EX 050001 EX 070212	113	87	89	119	120	116	105	110	110	87	108	89	78	83	103	108	115	127	98	118	110	33		6	28	
10.36			52	88	78	63	65	57	75	66	-0.38	-1.9	-0.18	-1.6	-7.5	-11	19	6.9	-18.8	-9.2	22.2	11	13					
											52	88	51	78	62	63	38	47	69	43	82	45	43					
EX 120209		CS 020092 EX 020009	91	100	111	69	113	98	71	82	95	100	82	111	110	138	118	100	82	120	112	110	102	2	287	55	176	8
12.209 GEITE			78	95	91	72	81	67	86	76	0.36	2.7	0.57	3.5	8.9	39	51	3.7	8.6	-7.6	29.4	7	6					
											79	95	75	91	79	72	63	69	89	62	91	71	69					

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
EX 130216		CS 020092 EX 070323	89	116	89	83	78	71	83	76	91	116	92	89	111	119	117	101	78	93	80	120	114	55	50	23	34	
13.216			72	91	81	64	67	59	78	68	0.58	8.4	0.29	-1.5	9.5	22	49	4.0	12.4	-1.2	12.6	12	16					
											72	91	72	81	62	64	34	33	73	47	82	39	38					
EX 160001		EX 100036 EX 120405	114	71	89	123	129	119	97	107	132	71	92	89	75	78	85	110	135	129	102	102	95	4	122	15	31	1
RUSTY			70	93	78	61	69	59	78	68	-1.46	-7.5	0.27	-1.6	-8.8	-16	-22	7.7	-35.4	-9.6	24.5	3	1					
											72	93	61	78	74	61	41	66	80	44	82	50	47					
EX 170210		EX 120209 EX 080421	79	141	68	68	138	128	113	121	80	141	94	68	143	144	144	137	145	128	127	150	146	5	263	59	135	48
WIT PENS			69	95	87	73	75	65	84	74	1.09	17.2	0.21	-6.5	25.2	45	109	18.0	-43.6	-9.5	37.9	27	40					
											72	95	54	87	85	73	76	79	87	56	83	82	81					
EX 170520		MVN 100160 GA 140133	76	142	87	93	95	103	134	120	80	142	81	87	141	106	140	152	97	90	104	107	125		11	1	1	
GANNA			36	80	61	45	44	43	61	52	1.10	17.4	0.58	-2.0	24.2	10	101	23.6	-3.7	-0.5	25.1	5	24					
											37	80	31	61	63	45	35	37	45	24	64	43	41					
EX 180006		SW 100012 EX 070212	93	105	138	90	100	110	112	111	98	105	74	138	104	107	117	132	82	111	97	129	129		40	4	4	
MOOI LESUNDU			44	78	66	48	60	49	66	58	0.20	4.4	0.80	9.7	5.8	11	49	16.0	8.3	-5.4	21.5	16	27					
											45	78	37	66	56	48	57	67	67	39	73	69	65					
EX 180022		SW 100012 EX 100276	91	105	125	107	79	94	110	102	96	105	75	125	107	93	119	123	74	89	87	112	107	83	84			
EX 180022			51	75	59	46	56	47	62	54	0.30	4.4	0.76	6.7	7.2	-2	53	12.4	15.5	-0.4	16.3	8	10					
											51	75	49	59	54	46	58	68	59	36	72	70	66					
EX 220027		JF 130054 EX 110215	93	130	119	71	100	105	108	107	97	130	79	119	128	134	133	122	80	106	104	150	146	54				
onyx			41	74	61	46	47	44	59	52	0.28	13.2	0.65	5.5	17.7	36	84	12.1	10.5	-4.4	25.5	27	40					
											42	74	34	61	56	46	58	67	52	33	56	70	66					
FF 080048		FF 020159 FF 050010	118	74	108	112	84	80	75	76	131	74	108	108	79	89	95	113	92	101	73	98	91	14	57	8	20	4
MFELANE FF0848			76	93	77	55	76	60	80	70	-1.42	-6.4	-0.16	2.8	-7.0	-5	2	8.8	0.2	-3.0	8.6	1	-2					
											79	93	60	77	53	55	68	76	82	54	93	78	75					
GA 110058		MVN 060093 CS 990025	79	115	85	91	88	81	95	88	80	115	98	85	110	109	104	109	106	84	92	101	103		3	6		
GA110058			73	79	69	47	70	54	70	62	1.11	7.9	0.12	-2.4	8.8	13	20	7.4	-10.9	0.8	18.9	3	7					
											74	79	66	69	56	47	60	69	76	46	87	71	68					
GL 060110		GF 010023 GL 010025	116	98	92	108	111	109	105	107	116	98	94	92	98	93	100	84	119	109	101	86	92		1	2	6	
GL06110			57	60	59	39	73	48	60	54	-0.65	1.9	0.21	-1.0	2.6	-1	12	-2.3	-22.1	-4.9	23.5	-5	-1					
											57	60	59	59	40	39	21	25	78	55	85	25	24					
LCK 040002			117	64	70	135	126	110	94	101	136	64	124	70	71	63	58	62	138	131	91	80	73		134	46	164	
LCK042			48	93	91	66	85	66	85	76	-1.65	-10.0	-0.62	-5.9	-10.7	-30	-81	-10.7	-37.8	-10.1	18.6	-8	-15					
											48	93	50	91	52	66	14	18	91	67	96	18	17					

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
LCK 050018				110	84		65		82		110	6.3	84	-2.7				89		59				1	8	1	2	
LCK0518				56	29		37		38		56			29				2.9		0.9								
LCK 060027			95	96	115	104	78		94		97	96	89	115	97	95		105	96	60					10	4	15	
LCK0627			38	74	61	31	49		58		37	74	40	61	28	31		-10.6	-1.9	1.9								
MVN 100160	MVN 030102 MVN 050133		104	108	84	110	89	90	104	97	101	108	110	84	104	93	113	152	110	95	80	67	91		82	16	65	2
MVN100160			67	92	85	73	73	63	82	72	68	92	62	85	70	73	67	23.6	-14.2	-1.7	12.2	-14	-2					
NRF 980053	MVT 900101 NRF 920053		114	57	126	130	111	114	97	105	133	57	95	126	63	66	85	72	103	128	88	68	64	3	80	47	184	
NRF 1998 53			69	93	92	62	84	66	85	76	-1.50	-12.5	0.20	7.0	-14.8	-26	-22	-6.9	-8.5	-9.3	16.8	-14	-23					
Q 070062	LP 030094 Q 010056		69	121	95	68	108	94	81	86	50	121	131	95	110	142	109	95	100	124	88	115	121		164	23	73	
Q 070062			81	93	88	63	76	63	83	73	2.61	9.9	-0.83	0.0	8.5	43	32	1.7	-6.0	-8.4	16.7	9	21					
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					
Q 210021	Q 160029 Q 140069		68	127	127	72	111	116	115	116	76	127	64	127	134	132	106	120	98	106	114	98	112		14			
Q 210021			52	75	57	37	44	41	57	49	1.34	12.2	1.06	7.3	20.7	34	25	11.4	-4.9	-4.3	30.8	1	14					
SK 060038	SK 980010 SK 020004		63	95	131	96	108	111	105	108	65	95	84	131	98	100	89	94	96	128	86	98	99	50	110	29	121	
SK 060038			88	93	90	71	76	65	84	74	1.87	0.8	0.49	8.1	2.7	5	-13	1.6	-3.3	-9.4	15.9	1	4					
SW 100012	SW 050028 SW 060146		121	71	148	122	80	98	99	98	122	71	91	148	73	75	92	109	75	82	97	88	74	2	146	26	89	17
SW 100012			74	93	87	72	78	65	84	74	-0.95	-7.7	0.30	12.1	-9.8	-18	-6	7.3	14.5	1.4	21.7	-4	-15					
SW 120433	SW 050066 S 026011		99	93	84	89	109	90	77	81	97	93	105	84	91	111	92	90	106	106	107	85	87		44	2	2	
SW 120433			51	74	54	39	63	47	62	54	0.26	0.1	-0.08	-2.7	-0.9	15	-6	-0.2	-10.9	-4.3	27.0	-5	-5					
SW 130624	SW 070235 SW 110195		103	90	111	91	111	103	89	95	103	90	96	111	94	106	98	91	89	132	92	95	97		139	14	23	2
SW 13 624			40	81	72	48	69	53	70	62	-0.03	-0.8	0.17	3.6	0.5	11	7	0.5	3.0	-10.3	18.8	0	3					

Sires

Bull			Selection Values								Calf		Dam		Growth			Fertility				Frame		Measured Progeny				
ID	Index EBV Acc	Sire ID Dam ID	Calv.	Calf	Milk	Maint.	Fertility	Cow	Growth	Prod	Birth	Wean	Birth	Wean	Post wn	Mature	ADG	Scrotal	Heifer	Cow	Long-	Height	Length	Birth	Wean	Dgt/Calvs.	Grwth	
			Ease	Grwth	Value	Value	Value	Value	Value	Value	Dir	Dir	Mat.	Mat.	wt	weight		Circ.	Fertility	Fertility	evity			wt	wt		Test	
T	100315	T 050264 T 020151	109	99	89	90	111	98	88	92	110	99	92	89	90	110	97	61	103	125	91	108	91					
T	100315		94	93	93	56	75	63	82	72	-0.38	2.3	0.29	-1.6	-1.5	14	4	-10.9	-8.9	-8.7	18.4	6	-2	94	74	64	176	25
											95	93	92	93	84	56	81	87	80	59	85	87	86					
T	180165	T 090143 T 090281	122	103	114	106	88	98	109	104	125	103	98	114	106	94	109	109	74	98	95	108	105					
T	180165		63	85	53	40	57	47	65	56	-1.14	3.8	0.11	4.2	7.0	-1	31	7.1	15.4	-2.5	20.3	6	9	6	50	3	3	
											69	85	36	53	60	40	20	28	63	37	70	23	22					
VEN 080083		VEN 050011		142	91	73	87		103			142	91	134	133				79	113	72				29	2	5	
VEN0883				81	48	25	56		59			17.4	-1.1	20.7	35				11.4	-5.9	8.3							
											81	48	48	48	10	25			60	26	83							
XA 130031		FF 090180 DPN 100105	103	103	125	92	113	117	114	116	102	103	100	125	114	105	106	98	133	113	90	109	109	138	98	15	19	
XA130031			90	92	73	48	63	55	74	64	93	92	74	73	82	48	31	36	73	34	82	37	35					
XA 160036		XA 130031 PH 120020	102	127	120	87	105	117	131	125	107	127	69	120	132	111	131	117	105	113	91	131	130	19	61			
XA160036 DUBUS			78	84	54	36	57	47	65	56	-0.24	12.3	0.92	5.6	19.9	15	81	10.2	-10.2	-6.0	18.4	17	28					
											83	84	52	54	68	36	17	19	67	29	74	20	19					

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		Length/	Scrotum	ADG	Growth
Test station		ID	Dam ID	Value	dir	weight		Height	Height			Value
201601 B22 M				0568331NGI								
EXSTEEN NGUNI'S & SANGA'S		EX 160001	EX 100036	119	71	89	95	102	83	110	85	97
		83767525	EX 120405	59	93	-3 48	1 47	3 50	1.07 48	7.7 66	-22 41	78
202502 D11 M				0404048NGI								
STOCH		CS 240150	SW 130624	103	111	121	118	126	93	101	131	104
		99922940	CS 110054	37	54	18 60	18 60	15 64	1.08 62	4.3 62	81 51	48
		CS 240162	CS 180185	101	94	95	88	66	140	114	99	94
		97510978	CS 200083	29	47	1 58	-4 57	-15 61	1.15 59	9.3 59	9 48	39
		CS 240182	SW 130624	132	103	117	125	119	122	113	116	127
		97511083	CS 140644	35	53	16 60	24 59	11 63	1.12 61	8.7 61	47 50	46

Breeding Values and Accuracies: Bulls

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Value <80 Value >120

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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
CS 140348 79931713 CS140348	CS 100430 CS 090304			80 22	127 81	101 56	75 34	70 55	69 44	86 61	76 52	84 0.91 22	83 0.54 19	130 32 34	127 12.0 81	101 1.3 56	107 34 57	122 14.8 41			71 18.0 66	58 6.8 26	105 25.8 73		
CS 160177 84121300 CS160177	CS 050079 CS 080162	2		77 36	133 85	127 66	78 42	88 67	100 51	118 69	110 60	85 0.88 37	62 1.12 30	123 26 42	133 14.1 85	127 7.2 66	134 93 64	130 18.7 34	144 109 17	121 12.0 21	70 18.8 79	101 -3.2 43	92 19.0 79	132 18 22	130 28 21
EX 160001 83767525 RUSTY	EX 100036 EX 120405	3		114 70	71 93	89 78	123 61	129 69	119 59	97 78	107 68	132 -1.46 72	92 0.27 61	78 -16 61	71 -7.5 93	89 -1.6 78	74 -38 77	75 -8.8 74	85 -22 41	110 7.7 66	135 -35.4 80	129 -9.6 44	102 24.5 82	102 3 50	95 1 47
XA 160036 84062132 XA160036 DUBUS	XA 130031 PH 120020			102 78	127 84	120 54	87 36	105 57	117 47	131 65	125 56	107 -0.24 83	69 0.92 52	111 15 36	127 12.3 84	120 5.6 54	132 87 58	132 19.9 68	131 81 17	117 10.2 19	105 -10.2 67	113 -6.0 29	91 18.4 74	131 17 20	130 28 19
CS 170044 85502268 CS170044	CS 080122 CS 080213	2		119 38	75 57	120 56	118 32	86 54	91 40	88 52	88 46	116 -0.69 39	105 -0.08 36	82 -12 32	75 -6.3 57	120 5.7 56	106 30 48	79 -6.9 33	82 -28 32	88 -0.8 38	96 -3.2 59	88 -0.2 37	88 16.6 67	64 -16 39	76 -13 37
CS 180164 87383436 CS180164	CS 100153 CS 110123	1		94 31	108 68	98 56	94 32	123 52	119 41	114 55	116 48	95 0.38 31	95 0.20 32	104 8 32	108 5.3 68	98 0.5 56	102 22 52	106 6.7 28	104 21 25	89 -0.3 31	111 -15.2 54	118 -7.2 35	117 32.3 67	104 4 32	108 11 30
CS 200001 89781355 CS200001	CS 080378 CS 180009			99 25	98 53	109 53	103 33	109 45	110 36	109 47	110 42	100 0.10 26	91 0.32 21	95 0 33	98 1.8 53	109 3.2 53	108 36 46	99 3.2 11		97 2.6 8	103 -9.0 49	89 -0.4 27	127 37.5 60	95 0 10	99 4 7
CS 200211 91075663 CS200211	CS 100332 CS 140063	1		87 28	113 45	103 41	88 24	114 41	111 30	110 40	111 35	89 0.65 28	88 0.38 26	111 15 24	113 7.3 45	103 1.7 41	107 34 37	110 8.7 22	109 31 11	104 5.5 13	100 -6.0 41	107 -4.6 29	117 32.5 54	103 4 14	106 10 13
CS 200304 95035382 CS 200304	CS 130145			108 20	86 58	130 33	94 25	86 38		85 43		111 -0.40 20	85 0.48 19	103 7 25	86 -2.3 58	130 8.0 33	112 46 39	93 0.2 24	100 11 8	98 2.8 11	84 7.3 39	76 2.8 23	109 28.2 51	101 3 12	101 6 11
CS 210300 91457259 CS210300	CS 080378 CS 100422			100 25	102 67	119 49	97 28	90 45	96 37	103 51	99 44	103 -0.04 26	84 0.49 21	100 5 28	102 3.2 67	119 5.5 49	117 56 48	102 4.8 20	104 20 20	88 -1.0 23	88 3.6 46	82 1.3 28	108 27.6 61	107 5 24	103 7 23
Q 210021 91577817 Q 210021	Q 160029 Q 140069	7		68 52	127 75	127 57	72 37	111 44	116 41	115 57	116 49	76 1.34 54	64 1.06 45	132 34 37	127 12.2 75	127 7.3 57	126 75 56	134 20.7 64	106 25 19	120 11.4 25	98 -4.9 48	106 -4.3 25	114 30.8 58	98 1 24	112 14 23
CS 220029 93595346 CS220029	EX 180022 CS 130011	1		89 30	110 67	108 50	106 31	94 40	102 36	115 51	109 44	92 0.53 31	89 0.37 28	94 0 31	110 6.1 67	108 2.9 50	118 57 49	107 7.5 38	114 43 29	113 8.9 34	92 0.3 44	93 -1.2 26	101 23.7 51	110 7 35	109 12 33

Breeding Values and Accuracies: Bulls

Green: >120 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
	CS 220064		EX 120209	92	103	118	82	99	97	91	93	96	79	118	103	118	109	110	121	104	74	109	104	112	108
	93680858		CS 090144	43	73	61	40	51	44	59	52	0.31	0.64	21	3.8	5.3	37	8.5	59	5.4	15.4	-4.9	25.3	8	11
	CS220064											44	39	40	73	61	58	50	35	38	55	38	59	40	38
	CS 220105	2	EX 180022	102	87	126	115	88	99	101	100	104	85	86	87	126	120	94	108	111	86	92	94	97	99
	93870384		CS 130282	30	65	46	30	41	35	49	42	-0.09	0.48	-8	-1.9	7.1	61	0.6	31	8.1	5.2	-0.9	20.1	1	4
	CS220105											31	28	30	65	46	47	40	30	35	44	28	51	37	35
	CS 220116		XA 160036	108	104	117	95	110	114	114	115	111	82	101	104	117	117	109	115	106	104	114	102	112	113
	93870491		CS 200064	42	66	40	26	38	33	48	40	-0.43	0.55	6	4.1	4.9	54	8.4	44	6.2	-9.5	-6.0	24.1	8	15
	CS220116											44	29	26	66	40	44	36	11	13	44	23	48	14	13
	CS 220170	2	EX 180022	88	118	123	89	86	96	113	105	95	71	108	118	123	128	118	128	121	78	93	93	124	121
	93871002		CS 130107	29	60	46	25	40	33	46	40	0.39	0.87	13	8.8	6.3	80	12.6	75	11.9	11.9	-1.2	19.6	14	21
	CS220170											29	27	25	60	46	44	30	28	33	43	25	51	34	32
	CS 240009	2	CS 180164	107	94	93	111	115	112	104	107	106	105	91	94	93	92	92	95	83	105	121	102	86	90
	96866538		CS 090136	29	51	46	26	40	32	43	38	-0.15	-0.10	-3	0.5	-0.7	1	-0.4	2	-2.6	-10.4	-7.7	24.4	-5	-2
	CS240009											30	24	26	51	46	41	22	18	22	43	29	49	23	22
	CS 240023	2	CS 160177	74	133	121	78	111	120	127	124	81	68	124	133	121	129	130		126	85	115	113	133	134
	97008775		CS 190005	21	68	51	38	43	38	53	46	1.06	0.96	27	14.3	5.8	82	18.9		13.8	6.3	-6.4	30.0	18	31
	CS240023											22	18	38	68	51	52	18		9	51	28	50	10	8
	CS 240082	2	CS 180185	109	84	124	110	89	95	94	94	109	96	90	84	124	112	85	93	102	90	93	93	81	79
	97347553		EX 200018	27	53	44	30	39	32	43	38	-0.32	0.16	-4	-2.9	6.6	45	-4.0	-3	4.5	2.0	-1.2	19.2	-7	-11
	CS 240082											28	24	30	53	44	42	36	27	31	44	25	47	32	31
	CS 240096		SW 130624	100	101	98	97	118	113	107	110	100	99	100	101	98	98	102	99	94	109	125	101	99	101
	97375836		CS 120053	28	69	55	36	46	40	54	47	0.12	0.07	5	3.0	0.5	15	4.7	10	1.6	-13.8	-8.7	23.6	2	6
	CS 240096											28	26	36	69	55	53	27	18	23	52	32	55	23	22
	CS 240150		SW 130624	86	111	130	81	97	103	104	103	91	76	118	111	130	124	113	131	101	91	105	95	126	118
	99922940		CS 110054	31	54	53	32	47	37	48	42	0.58	0.74	21	6.5	8.1	70	10.4	81	4.3	1.6	-4.1	20.2	15	18
	CS 240150											32	29	32	54	53	46	40	51	62	53	33	55	64	60
	CS 240162	2	CS 180185	98	94	116	92	104	101	94	97	99	92	105	94	116	106	96	99	114	101	109	96	66	88
	97510978		CS 200083	22	47	41	22	37	29	39	34	0.18	0.27	9	0.5	4.8	31	2.0	9	9.3	-7.4	-5.0	21.2	-15	-4
	CS 240162											22	20	22	47	41	37	30	48	59	43	23	45	61	57
	CS 240182		SW 130624	96	103	117	107	124	132	127	131	100	83	93	103	117	121	110	116	113	113	131	103	119	125
	97511083		CS 140644	26	53	50	30	46	35	46	40	0.15	0.53	-2	3.7	5.0	64	8.6	47	8.7	-17.0	-10.1	24.8	11	24
	CS 240182											27	24	30	53	50	44	36	50	61	52	31	55	63	59
	CS 240309		CS 180185	104	91	112	99	94	92	91	91	103	100	99	91	112	103	91	98	97	100	91	98	94	96
	97297568		CS 200361	17	62	38	13	29	27	41	34	-0.03	0.07	4	-0.6	3.9	26	-0.9	8	2.7	-6.3	-0.8	22.2	-1	2
	CS 240309											17	15	13	62	38	38	17	19	22	30	16	41	23	22

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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																								
CS 250006 98885361 CS 250006	1	CS 190043 CS 220065	99 19	95 63	113 39	101 22	116 34	115 30	108 44	112 37	100 0.12 19	92 0.27 17	97 2 22	95 0.8 63	113 4.0 39	108 35 41	95 1.2 20	99 9 13	103 5.0 16	110 -14.2 38	112 -5.7 21	110 28.8 43	97 0 17	99 5 16
CS 250010 98885403 CS 250010	3	CS 160177 CS 170293	78 25	127 70	112 49	83 29	92 44	99 37	114 52	107 44	84 0.92 26	75 0.76 23	117 21 29	127 12.3 70	112 3.9 49	122 67 49	124 15.6 25	139 98 7	124 13.0 12	73 16.0 50	106 -4.2 28	94 20.1 53	126 15 13	128 26 11
CS 250026 98970452 CS 250026	1	Q 210021 CS 150040	77 32	118 67	131 48	83 24	105 37	114 34	118 49	117 42	84 0.91 33	67 0.98 28	116 20 24	118 8.9 67	131 8.2 48	130 85 46	122 15.0 36	116 47 10	121 11.7 15	90 2.3 41	102 -3.2 24	114 30.8 46	103 3 15	113 15 14
CS 250044 99080228 CS 250044	2	CS 200304 CS 080160	103 25	97 65	121 45	95 22	100 37	102 33	101 47	101 40	106 -0.19 26	82 0.55 20	102 7 22	97 1.5 65	121 6.0 45	114 49 44	98 3.0 23	110 35 14	102 4.5 18	87 4.3 39	103 -3.6 26	103 25.0 46	103 3 19	102 6 17
CS 250047 99080251 CS 250047		CS 190043 LEB 200049	102 40	99 63	101 42	99 21	110 35	106 31	103 45	104 38	103 -0.02 41	93 0.25 35	99 4 21	99 2.3 63	101 1.2 42	100 18 42	97 2.4 34	96 3 22	88 -0.9 23	108 -13.0 38	110 -5.2 24	103 24.7 44	97 0 24	95 1 23
CS 250049 99257644 CS 250049	7	CS 210300 CS 160227	92 11	113 68	125 45	88 5	92 33	100 29	111 44	106 36	96 0.31 13		109 13 5	113 7.1 68	125 6.7 45	125 74 39	113 10.1 9		90 1.8 38	83 1.1 16	110 28.4 46			
CS 250059 99099491 CS 250059	2	CS 190043 CS 220036	92 14	107 62	111 39	90 23	112 32	111 29	109 43	110 36	95 0.38 15	85 0.48 12	108 12 23	107 5.2 62	111 3.6 39	111 42 41	107 7.2 10		97 -3.9 38	112 -5.7 15	110 28.7 42			
CS 250064 99100018 CS 250064		EX 160001 Q 190056	81 43	108 72	115 52	89 39	122 43	122 40	116 55	119 48	86 0.80 44	74 0.78 37	109 13 39	108 5.6 72	115 4.6 52	115 50 54	111 9.2 48	114 42 22	121 11.7 35	114 -18.3 49	126 -9.0 28	104 25.2 51	120 12 27	123 22 26
CS 250068 99099525 CS 250068	2	CS 200093 CS 170168	97 21	99 63	122 44	93 19	110 36	112 31	107 45	109 38	100 0.11 21	84 0.51 20	104 8 19	99 2.4 63	122 6.1 44	115 52 42	104 5.6 16		102 -7.6 39	101 -3.2 22	116 31.7 46			
CS 250071 99099558 CS 250071	1	Q 210021 CS 160039	77 32	123 66	122 47	78 24	103 36	108 33	113 48	111 40	84 0.94 33	70 0.90 28	123 26 24	123 10.9 66	122 6.1 47	124 70 46	127 17.4 36	115 46 10	117 10.1 14	88 3.4 39	101 -3.1 25	110 28.8 45	107 6 14	116 17 13
CS 250088 99099830 CS 250088	2	CS 170110 CS 230011	113 27	91 60	100 41	105 27	127 37	121 32	106 45	113 38	113 -0.53 28	95 0.21 24	95 0 27	91 -0.7 60	100 0.9 41	94 5 43	91 -0.6 24	104 21 12	103 5.0 19	121 -23.7 42	123 -8.3 23	113 30.2 46	101 2 16	102 7 15
CS 250090 99100026 CS 250090	1	Q 210021 CS 160270	82 31	114 65	143 45	78 23	107 35	117 32	115 47	116 40	89 0.65 32	64 1.06 26	121 25 23	114 7.7 65	143 10.9 45	134 92 44	121 14.4 35	123 62 12	123 12.6 16	89 2.8 39	106 -4.3 23	113 30.3 44	111 7 16	121 21 15

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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																										
CS 250102 99289175 CS 250102	1	CS 190043 CS 200059	89 18	109 60	113 42	90 21	114 35	114 30	112 43	114 36	93 0.48 19	84 0.50 16	108 12 21	109 5.7 60	113 3.9 42	113 47 41	108 7.9 15			106 5.9 7	98 -4.7 38	117 -6.9 22	108 27.5 45	107 5 8	109 12 6	
CS 250108 99184350 CS 250108	2	CS 190043 CS 220150	92 15	103 44	110 35	98 19	105 31	107 25	109 34	108 30	94 0.43 16	90 0.34 13	99 4 19	103 3.8 44	110 3.2 35	111 42 33	102 5.0 10			90 2.0 38	105 -4.0 14	110 28.5 42				
CS 250119 99184467 CS 250119	3	CS 200304 CS 110186	94 22	100 49	133 43	83 23	83 32	86 28	87 39	86 34	99 0.19 23	76 0.74 20	116 19 23	100 2.5 49	133 8.7 43	119 59 38	104 6.0 18			74 15.5 32	83 1.2 18	102 24.4 46				
CS 250123 99937237 CS 250123	3	CS 190043 CS 220090	96 26	99 47	101 39	98 23	112 35	107 28	102 38	104 33	98 0.22 27	91 0.31 24	100 5 23	99 2.2 47	101 1.3 39	99 17 36	101 4.2 23	95 1 7		93 1.3 12	97 -4.1 39	114 -6.1 22	109 27.8 45	91 -3 13	90 -3 11	
CS 250134 99298929 CS 250134	2	CS 200304 CS 130182	98 27	97 45	110 40	98 25	97 37	97 29	98 39	97 34	99 0.16 27	91 0.29 25	99 4 25	97 1.6 45	110 3.4 40	107 33 37	101 4.4 22			97 2.8 9	89 2.7 40	95 -1.7 27	106 26.3 45	93 -2 10	98 4 9	
CS 250142 99299018 CS 250142		CS 210300 CS 130007	116 25	88 49	90 46	118 24	103 39	101 31	99 41	99 36	113 -0.55 26	104 -0.06 23	83 -10 24	88 -1.5 49	90 -1.2 46	89 -6 40	89 -1.8 23	81 -30 15		75 -5.8 17	101 -7.0 41	99 -2.6 27	106 26.6 48	86 -5 18	83 -8 17	
CS 250150 99449100 CS 250150		CS 200001 CS 210017	110 17	86 43	102 37	115 22	111 34	110 27	101 36	105 32	109 -0.32 17	100 0.04 15	87 -7 22	86 -2.2 43	102 1.4 37	96 10 34	89 -1.6 12	88 -16 5		85 -1.9 9	104 -9.4 38	107 -4.4 21	111 29.2 42	89 -3 10	90 -3 9	
CS 250155 99449159 CS 250155	1	CS 190043 CS 220231	99 21	97 39	103 33	98 18	108 33	104 25	100 33	102 29	100 0.12 21	93 0.26 19	99 4 18	97 1.5 39	103 1.7 33	100 17 30	98 2.6 16			102 -8.2 37	99 -2.6 20	115 31.3 43				
CS 250164 99450306 CS 250164	1	EX 160001 CS 210005	117 37	82 58	106 50	113 38	119 43	117 37	101 49	109 43	118 -0.76 38	90 0.35 32	88 -6 38	82 -3.6 58	106 2.5 50	96 9 49	86 -3.3 38	97 6 21		106 6.2 34	117 -20.6 50	117 -6.8 27	107 26.7 52	104 4 26	100 5 25	
CS 250168 99450348 CS 250168	1	Q 210021 CS 170250	79 29	117 46	118 38	85 23	103 35	107 28	113 38	110 33	85 0.88 30	76 0.74 26	114 18 23	117 8.6 46	118 5.1 38	120 63 36	120 13.8 35	102 17 9		109 7.4 12	93 -0.5 39	95 -1.8 22	114 30.8 44	97 1 12	106 9 11	
CS 250178 99857906 CS 250178	1	Q 210021 CS 220018	80 29	117 51	124 39	80 25	114 34	117 29	114 40	116 34	86 0.80 30	73 0.83 25	120 23 25	117 8.5 51	124 6.6 39	122 66 38	120 13.9 34	111 35 11		111 7.9 16	97 -4.1 39	114 -6.1 21	112 29.8 41	103 4 16	110 13 15	
CS 250188 99858011 CS 250188	2	CS 200304 CS 090180	115 25	81 49	116 44	112 23	93 37	96 30	91 40	92 35	116 -0.68 26	90 0.33 20	89 -6 23	81 -4.0 49	116 4.7 44	103 26 39	84 -4.1 22	96 2 14		89 -0.5 18	83 7.9 38	98 -2.4 26	100 22.9 46	91 -3 19	89 -3 17	

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CS 250191	99858045	1	Q 210021 CS 190290	78 35	121 51	114 46	80 34	116 38	117 33	115 44	116 38	83 0.94 36	76 0.73 32	121 24 34	121 9.9 51	114 4.3 46	116 54 44	122 14.6 38	106 25 12	110 7.4 16	109 -13.6 41	114 -6.2 27	109 28.1 46	95 0 16	107 10 15
CS 250194	99858052	1	CS 200020 CS 110148	124 27	72 45	98 45	120 31	122 40	115 32	95 41	104 36	125 -1.10 28	105 -0.10 24	81 -13 31	72 -7.2 45	98 0.6 45	83 -18 40	76 -8.3 22	85 -22 13	81 -3.6 16	105 -10.4 43	130 -10.0 28	104 25.3 49	84 -6 17	81 -9 15
CS 250200	6020046931		CS 230078	107 21	90 37	98 29	112 18	106 26	105 22	99 29	101 26	106 -0.18 22	99 0.08 17	90 -5 18	90 -0.7 37	98 0.5 29	94 6 28	90 -1.1 24	94 -1 12	98 2.9 19	111 -15.4 31	115 -6.3 16	89 17.3 32	97 1 15	95 1 14
CS 250300	98970536		CS 200093 CS 190333	88 17	112 63	120 42	84 29	84 31	88 31	98 45	93 38	93 0.47 17	78 0.67 16	114 18 29	112 6.9 63	120 5.7 42	118 58 45	114 10.7 16		80 10.3 32	75 2.9 17	108 27.5 45			
CS 250301	98970544	1	EX 160001 CS 200333	99 37	107 69	101 51	99 35	120 42	119 38	118 53	119 46	103 -0.02 38	80 0.62 32	99 4 35	107 5.1 69	101 1.3 51	107 33 52	106 6.7 38	117 49 19	120 11.4 33	120 -22.5 49	116 -6.6 27	108 27.6 51	120 12 25	118 19 23
CS 250303	99080285	1	Q 210021 CS 140433	95 31	95 66	120 47	85 22	107 35	102 33	90 47	95 40	97 0.27 32	92 0.29 27	114 17 22	95 0.8 66	120 5.7 47	106 31 45	99 3.4 36	96 2 10	105 5.5 14	101 -6.7 38	105 -3.9 22	107 27.2 45	89 -3 14	97 3 13
CS 250322	99298804		Q 210021 CS 140302	85 28	113 51	113 47	86 21	104 32	105 29	107 40	106 34	89 0.65 29	82 0.56 24	113 17 21	113 7.1 51	113 4.0 47	113 48 40	115 11.4 35	99 10 10	105 5.7 13	101 -7.2 33	95 -1.8 17	112 29.6 46	100 2 13	106 10 12
CS 250324	99450355		EX 160001 CS 210322	100 36	105 57	96 44	95 32	109 42	104 35	104 46	104 40	102 0.01 37	85 0.47 32	103 8 32	105 4.5 57	96 0.0 44	98 15 44	103 5.4 42	107 27 18	115 9.4 32	110 -14.3 49	107 -4.6 26	103 24.6 51	114 9 23	111 13 22
CS 250327	99857799	4	CS 200304 CS 080369	100 23	92 49	129 44	88 24	83 36	84 30	83 40	82 35	104 -0.10 23	76 0.74 22	109 13 24	92 -0.2 49	129 7.7 44	113 46 39	98 2.6 16		83 8.0 40	79 2.0 23	101 23.7 46			
CS 260001	99937989	2	Q 210021 CS 190210	85 31	113 48	112 39	85 26	108 35	107 29	107 39	107 34	89 0.65 32	79 0.65 26	114 18 26	113 7.0 48	112 3.8 39	112 45 38	116 11.6 35		113 8.9 11	100 -6.2 39	109 -4.9 23	105 25.9 43	100 2 11	105 8 10
CS 260002	99937997	3	CS 160211 CS 220295	99 24	104 45	124 36	85 21	103 37	105 28	101 37	103 32	103 -0.05 25	78 0.68 22	113 17 21	104 4.1 45	124 6.6 36	116 53 34	107 7.1 16		107 6.5 9	88 4.0 42	110 -5.3 22	101 23.5 46	108 6 9	109 12 8
CS 260004	6020279813	3	EX 180022 CS 230054	95 29	99 51	122 39	104 26	93 36	102 30	108 41	105 36	99 0.19 29	83 0.53 27	95 0 26	99 2.2 51	122 6.2 39	121 64 39	102 4.6 29	110 35 28	111 7.8 34	88 3.5 43	99 -2.7 21	95 20.5 45	103 4 35	103 7 33

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	CS 260007	3	EX 180022 CS 230188	99 34	99 52	114 40	109 27	96 36	103 30	108 41	105 36	103 -0.04 34	76 0.72 31	92 -3 27	99 2.1 52	114 4.2 40	115 50 40	101 4.4 34	106 25 27	112 8.3 35	92 0.5 42	102 -3.4 20	94 20.0 46	105 5 35	101 6 32
	CS 260008	1	XA 160036 CS 210244	98 41	119 50	118 36	89 22	104 37	112 29	122 40	118 34	103 -0.01 44	76 0.74 28	109 13 22	119 9.4 50	118 5.2 36	125 73 36	122 14.6 36	126 68 11	115 9.5 14	97 -3.8 44	111 -5.4 22	97 21.5 46	122 13 14	121 21 13
	CS 260010	6	CS 200211 CS 230618	96 18	98 35	110 29	96 13	110 30	108 22	104 29	106 26	98 0.24 18	93 0.24 15	101 6 13	98 2.1 35	110 3.4 29	106 32 26	100 3.6 9			105 -10.2 36	104 -3.9 15	111 29.1 39		
	CS 260016	1	EX 180022 CS 230062	92 34	115 51	112 37	100 26	93 36	103 30	119 40	112 35	97 0.29 35	78 0.67 29	98 3 26	115 7.8 51	112 3.9 37	123 69 38	117 12.1 35	114 44 29	115 9.5 34	89 3.0 41	97 -2.2 22	96 21.1 44	108 6 35	108 11 33
	CS 260018		XA 160036 EX 200261	108 44	115 54	93 45	86 35	114 38	108 34	107 45	107 40	108 -0.26 47	96 0.16 32	114 18 35	115 8.0 54	93 -0.7 45	99 15 45	119 13.2 41	123 63 22	114 8.9 24	118 -21.3 45	110 -5.3 22	104 25.3 47	124 14 25	121 21 24
	CS 260019	1	EX 220027 Q 170005	77 42	113 53	131 48	81 34	105 36	111 33	109 44	110 38	83 0.96 42	73 0.81 40	119 22 34	113 7.3 53	131 8.1 48	125 73 45	113 10.3 42	110 35 30	114 9.1 34	85 5.9 41	111 -5.5 25	106 26.2 43	125 15 36	124 23 34
	CS 260020	1	CS 200001 CS 230008	106 22	94 44	104 38	101 27	108 33	104 28	100 37	102 32	106 -0.15 22	97 0.14 20	97 2 27	94 0.6 44	104 1.9 38	99 17 36	97 2.4 22	98 8 10	93 1.3 16	98 -4.9 39	93 -1.3 19	123 35.3 41	95 -1 15	94 0 14
	CS 260023	4	CS 210300 CS 150060	99 16	104 50	104 40	110 15	97 34	103 27	112 38	108 32	100 0.13 19		91 -3 15	104 4.1 50	104 1.9 40	111 42 35	102 4.7 8			93 -0.4 40	95 -1.8 17	103 24.7 45		
	CS 260027	1	CS 200001 CS 230025	113 19	82 42	109 35	113 22	101 33	101 26	93 35	96 30	112 -0.48 20	97 0.13 17	88 -6 22	82 -3.8 42	109 3.2 35	98 14 33	86 -3.2 14			96 -2.7 38	95 -1.6 19	111 29.2 41	84 -6 5	
	CS 260028	4	CS 200001 CS 230105	108 14	86 42	112 35	109 17	104 31	104 24	97 33	100 28	108 -0.29 15	94 0.24 8	92 -3 17	86 -2.3 42	112 3.7 35	102 23 31	91 -0.7 13			97 -4.0 38	95 -1.7 15	114 30.5 40		
	CS 260032	1	Q 210021 CS 170004	92 35	106 51	119 47	87 26	111 36	111 31	107 42	109 36	96 0.33 36	82 0.56 28	111 15 26	106 4.7 51	119 5.4 47	114 49 41	110 8.6 36	103 18 20	113 8.6 24	98 -4.8 40	112 -5.7 24	108 27.7 44	94 -1 24	100 5 23
	CS 260034		Q 210021 CS 190075	88 29	109 49	108 46	88 27	111 34	109 30	107 41	108 36	91 0.56 30	86 0.45 25	110 14 27	109 5.9 49	108 2.9 46	109 37 41	111 9.4 34	95 1 12	101 4.1 15	103 -8.9 39	103 -3.6 22	116 31.6 42	91 -2 15	98 3 14

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CS 260035 6020611866 CS 260035	4	CS 180164 CS 150606	110 17	89 48	103 45	115 18	124 37	124 29	112 39	119 34	109 -0.31 17	101 0.04 15	87 -7 18	89 -1.1 48	103 1.8 45	100 19 37	92 -0.3 12	84 -2.4 5	121 -23.8 41	115 -6.5 22	116 31.8 47	89 -3 7			
CS 260037 6020611882 CS 260037		CS 180164 CS 150070	93 23	111 50	92 46	101 22	113 38	112 31	118 41	116 36	93 0.47 23	99 0.09 22	97 2 22	111 6.6 50	92 -0.8 46	103 25 39	107 7.4 20	100 13 14	92 0.7 16	111 -15.0 41	106 -4.3 26	112 29.8 47	101 3 17	104 8 16	
CS 260039 6020621626 CS 260039	2	CS 200211 CS 200049	104 19	91 38	116 38	99 21	110 33	110 26	101 33	105 30	105 -0.11 19	92 0.28 18	98 3 21	91 -0.7 38	116 4.8 38	107 34 32	94 0.8 16		105 -10.3 37	103 -3.6 21	113 30.4 40				
CS 260046 6020621675 CS 260046		CS 200001 CS 230032	101 25	103 43	110 36	103 21	108 32	112 26	115 35	114 30	103 -0.02 26	90 0.35 18	95 1 21	103 3.8 43	110 3.2 36	113 46 33	105 6.3 20		99 3.4 7	102 -8.0 37	95 -1.7 18	119 33.2 40	102 3 7	104 8 6	
CS 260049 6020621717 CS 260049		CS 200001 CS 230120	99 25	106 43	108 35	100 19	106 31	109 25	114 34	112 30	102 0.03 26	87 0.43 18	98 3 19	106 4.6 43	108 2.8 35	112 44 32	109 8.1 23		97 2.5 6	100 -6.3 37	98 -2.5 16	113 30.2 40	101 3 7	102 7 6	
CS 260051 6020621733 CS 260051		CS 200001 CS 230136	101 12	96 26	107 26	102 17	99 24		100 24		101 0.07 13	95 0.19 10	96 1 17	96 1.3 26	107 2.7 26	104 28 23	97 2.2 6		100 -5.9 25	89 -0.2 14	111 29.4 32	100 2 5			
CS 260052 6020621741 CS 260052		XA 160036 CS 240032	96 40	122 54	111 37	90 23	105 37	111 30	123 42	118 36	100 0.13 43	79 0.66 28	108 12 23	122 10.2 54	111 3.6 37	122 65 38	122 14.8 36	120 55 7	108 6.7 9	99 -5.1 44	107 -4.6 20	101 23.7 46	117 11 10	117 18 9	
CS 260053 6020621758 CS 260053		CS 200211 CS 210149	102 16	94 41	118 36	101 21	103 32	106 25	104 34	104 30	104 -0.06 18	89 0.38 8	96 1 21	94 0.5 41	118 5.1 36	112 44 33	96 1.9 13		99 -5.3 37	99 -2.6 17	107 27.1 41	96 0 6			
CS 260054 6020621766 CS 260054	5	CS 200001 CS 230209		91 39	95 31	113 9	114 27		102 29		108 -0.25 5		90 -5 9	91 -0.7 39	95 -0.2 31	92 1 26			105 -10.1 35	103 -3.6 9	119 33.6 38				
CS 260059 6020621824 CS 260059	2	Q 210021 CS 170054	90 34	110 51	122 47	87 25	109 35	113 31	113 42	113 36	94 0.41 35	79 0.66 29	110 14 25	110 6.1 51	122 6.2 47	121 63 41	115 11.1 36	105 23 17	115 9.3 21	99 -5.5 39	104 -3.9 23	111 29.3 44	100 2 21	105 9 20	
CS 260060 6020621832 CS 260060	1	Q 210021 CS 180009	80 29	116 51	110 48	86 28	115 34	115 31	116 42	116 36	85 0.88 30	79 0.65 26	113 17 28	116 8.4 51	110 3.4 48	114 49 42	120 13.6 32			107 -11.7 39	102 -3.3 20	122 35.1 44			
CS 260061 6020621840 CS 260061	8	CS 180164 CS 140027	92 22	110 51	89 47	99 15	114 36	109 29	112 40	111 34	92 0.50 22	99 0.08 20	100 5 15	110 6.0 51	89 -1.6 47	98 14 38	107 7.3 14			113 -16.7 42	109 -5.1 19	109 27.8 47			

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ID Number Name																										
CS 260064 6020701998 CS 260064	2	CS 200001 CS 230266	100 20	96 35	103 33	98 19	108 32	104 24	100 31	101 28	101 0.08 21	92 0.28 18	100 5 19	96 1.4 35	103 1.8 33	100 17 29	97 2.4 12			101 -7.3 38	91 -0.7 17	125 36.8 40				
CS 260066 6020702012 CS 260066	3	CS 210300 CS 170108	89 15	111 46	125 43	89 12	100 32	106 26	112 36	110 31	94 0.42 16	78 0.67 12	109 13 12	111 6.4 46	125 6.8 43	124 71 34	111 9.2 9			102 4.7 5	98 -4.8 36	88 -0.1 16	113 30.4 44	116 10 6		
CS 260068 6020702038 CS 260068	1	CS 200001 CS 230129	104 22	93 36	102 35	99 21	106 33	100 25	96 32	97 28	104 -0.09 22	96 0.16 19	99 4 21	93 0.3 36	102 1.4 35	96 10 31	94 0.9 15			96 2.2 7	104 -9.7 38	93 -1.3 19	116 32.0 41	90 -3 8	93 -1 6	
CS 260069 6020702046 CS 260069		XA 160036 CS 230279	101 41	110 53	119 34	95 22	106 35	113 29	119 40	117 34	105 -0.13 44	80 0.61 28	102 7 22	110 6.0 53	119 5.3 34	122 67 36	112 10.0 35	114 43 10			107 6.5 13	100 -6.5 43	109 -5.0 19	101 23.7 44	106 5 14	109 12 13
CS 260071 6020702061 CS 260071	3	CS 180164 CS 240034	98 9	106 48	94 35	97 14	108 31	103 25	105 35	104 30	98 0.22 9	97 0.13 10	101 6 14	106 4.6 48	94 -0.5 35	98 14 32	104 5.7 18			99 -5.5 38	100 -2.8 14	115 31.2 41				
CS 260073 6020701931 CS 260073	2	CS 170021 CS 120630	99 29	103 46	108 48	100 24	101 36	103 30	108 40	105 35	101 0.09 29	88 0.38 27	98 3 24	103 3.7 46	108 3.0 48	110 41 39	104 5.8 24	100 12 9			101 4.3 13	94 -1.0 38	99 -2.5 24	107 26.8 47	95 0 13	97 3 12
CS 260074 6020701949 CS 260074	8	CS 180164 CS 130057	94 24	112 51	89 49	94 18	122 38	116 31	113 41	115 36	95 0.36 24	94 0.22 23	105 9 18	112 6.9 51	89 -1.6 49	97 12 39	108 7.8 13			109 -14.1 42	126 -9.0 23	107 27.1 48				
CS 260077 6020701964 CS 260077	1	CS 200001 CS 230077	97 15	101 42	109 34	94 20	109 31	107 25	104 34	105 30	98 0.21 16	90 0.32 12	103 8 20	101 3.1 42	109 3.1 34	106 32 32	102 4.6 8			97 2.5 6	95 -1.8 38	103 -3.5 16	117 32.1 39	98 1 7	100 5 5	
CS 260078 6020701972 CS 260078		CS 180164 CS 240264	90 19	114 43	96 35	92 18	108 33	105 25	110 35	108 30	91 0.56 19	94 0.23 18	107 11 18	114 7.6 43	96 0.0 35	104 27 32	111 9.1 18	108 29 13			98 2.9 16	106 -10.9 38	99 -2.6 20	114 30.6 42	108 6 16	111 13 15
CS 260079 6020747363 CS 260079		XA 160036 CS 190002	93 42	119 55	115 46	90 32	110 40	117 34	124 46	121 40	98 0.21 45	75 0.76 30	108 12 32	119 9.4 55	115 4.4 46	123 68 44	122 14.9 38	121 59 11			113 8.6 13	105 -10.3 45	113 -6.0 26	101 23.8 49	118 11 13	119 20 12
CS 260082 6020747397 CS 260082	1	CS 200001 CS 230073	101 25	100 43	121 34	93 19	107 31	110 25	107 34	108 30	103 -0.05 26	87 0.43 19	104 9 19	100 2.7 43	121 5.8 34	115 51 32	101 4.2 24			106 6.1 6	96 -3.1 37	100 -2.8 17	116 31.8 40	106 5 7	108 11 5	
CS 260086 6020747439 CS 260086	3	CS 170021 CS 170099	102 26	102 45	107 46	107 18	113 36	117 29	116 38	117 34	103 -0.05 26	89 0.36 24	94 -1 18	102 3.2 45	107 2.6 46	110 40 36	103 5.2 17			105 -10.1 40	104 -3.7 24	118 32.8 45				

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ID Number Name																										
CS 260089 6020747462 CS 260089	4	CS 180164 CS 240019	107 23	101 48	96 36	107 16	116 32	115 26	112 36	114 31	107 -0.23 24	96 0.18 17	94 -1 16	101 3.1 48	96 0.0 36	100 18 33	103 5.4 23			106 -11.1 38	115 -6.3 15	110 28.3 42				
CS 260090 6020747470 CS 260090	2	CS 200211 CS 240170	87 17	117 40	107 30	86 14	104 30	104 23	110 31	107 27	90 0.60 17	84 0.51 16	113 17 14	117 8.6 40	107 2.5 30	112 44 28	114 10.9 14			96 -3.0 35	95 -1.7 17	114 30.9 37				
CS 260092 6020747496 CS 260092	5	CS 200211 CS 200041	91 18	109 38	99 39	87 20	114 32	107 25	102 33	104 29	92 0.50 18	91 0.30 15	113 17 20	109 5.9 38	99 0.7 39	100 18 32	107 7.1 8			90 2.0 36	119 -7.3 19	111 29.1 40				
CS 260093 6020747504 CS 260093	6	CS 210300 CS 160039	89 9	116 47	116 43		92 32				94 0.43 11			116 8.3 47	116 4.8 43		116 11.7 5			82 8.3 36	90 -0.5 15	107 26.7 44				
CS 260095 6020747520 CS 260095	1	Q 210021 CS 240060	68 28	133 51	121 38	77 25	110 31	118 28	125 39	122 34	76 1.33 29	67 1.00 24	126 28 25	133 14.3 51	121 6.0 38	129 82 38	134 20.8 33	122 60 6	120 11.5 11	89 2.8 38	111 -5.5 18	112 29.9 38	112 8 11	120 20 10		
CS 260096 6020747538 CS 260096		CS 210300 CS 170213	115 22	90 47	95 44	116 22	104 37	103 29	100 39	101 34	113 -0.54 22	101 0.03 20	86 -8 22	90 -1.0 47	95 -0.1 44	93 4 38	91 -0.8 19	85 -20 13	80 -3.7 15	103 -8.4 39	101 -3.2 26	104 25.2 45	89 -4 15	88 -4 15		
CS 260097 6020747546 CS 260097		CS 180164 CS 130011	93 23	109 50	96 49	101 26	116 38	115 32	117 42	116 37	93 0.48 23	99 0.09 22	97 2 26	109 5.7 50	96 0.1 49	104 28 42	106 6.6 21	103 17 14	94 1.3 16	111 -15.5 41	107 -4.5 26	115 31.4 48	103 3 17	106 10 16		
CS 260098 6020777568 CS 260098		Q 210021 CS 140644	90 31	105 50	128 46	91 27	121 37	125 31	119 42	123 36	95 0.39 32	78 0.69 27	106 10 27	105 4.3 50	128 7.4 46	123 69 41	112 10.0 36	102 17 17	108 6.7 21	118 -21.0 40	118 -7.1 26	108 27.7 45	100 2 22	108 11 20		
CS 260101 6020777543 CS 260101		CS 200211 CS 220001	101 20	95 37	103 36	100 22	119 34	114 26	105 33	109 30	101 0.08 21	98 0.12 18	98 3 22	95 1.0 37	103 1.6 36	99 16 32	95 1.0 17	98 8 11	93 1.3 14	101 -7.3 38	122 -7.9 23	111 29.0 40	91 -3 15	93 0 14		
CS 260102 6020777550 CS 260102	5	CS 200211 CS 200030	87 15	113 39	99 41	98 23	113 31	113 26	118 34	116 30	90 0.64 16	91 0.31 13	100 5 23	113 7.1 39	99 0.7 41	109 37 34	109 8.4 10			108 -12.7 36	104 -3.7 17	115 31.5 41				
CS 260109 6020796105 CS 260109	4	CS 200001 CS 230018	112 22	88 40	95 39	113 24	121 32	116 26	104 35	110 30	112 -0.48 23	96 0.17 18	89 -5 24	88 -1.5 40	95 -0.2 39	90 -3 34	89 -1.7 16			123 -25.3 39	108 -4.9 16	116 31.8 41				
CS 260114 6020796147 CS 260114	2	CS 200211 CS 240067	86 17	116 40	117 30	84 14	101 29	104 22	109 31	106 26	90 0.60 17	79 0.64 15	115 19 14	116 8.1 40	117 4.9 30	118 57 28	115 11.3 18			86 5.2 34	95 -1.7 16	115 31.5 37				

Breeding Values and Accuracies: Bulls

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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	
CS 260116 6020796162 CS 260116	Q 210021 CS 130207			85 31	114 51	102 48	88 26	114 37	111 32	111 42	111 37	87 0.76 32	89 0.37 27	112 15 26	114 7.5 51	102 1.5 48	107 32 42	114 11.0 35	92 -6 10	100 3.9 14	110 -14.2 42	105 -4.1 24	115 31.4 45	90 -3 14	97 3 13	
CS 260117 6020796170 CS 260117	2 CS 180164 CS 100158			106 28	94 51	105 49	99 29	115 40	111 33	102 44	106 38	107 -0.21 29	93 0.26 26	99 4 29	94 0.5 51	105 2.2 49	99 17 43	96 1.9 22	99 9 14	93 1.0 18	112 -16.0 43	118 -7.1 29	102 24.0 49	96 0 18	98 3 17	
CS 260119 6020796451 CS 260119	4 CS 200001 CS 230123			109 21	90 45	105 38	117 21	115 32	118 26	111 36	114 31	110 -0.39 23	91 0.31 13	85 -9 21	90 -1.1 45	105 2.3 38	103 25 35	92 -0.2 19		97 2.6 13	105 -10.5 39	105 -4.1 15	119 33.4 41	93 -2 9	93 0 6	
CS 260124 6020796220 CS 260124	5 CS 200211 CS 200255			89 18	109 37	101 36	97 20	112 32	112 25	114 32	113 28	92 0.52 18	88 0.38 16	101 5 20	109 5.8 37	101 1.3 36	108 35 31	108 7.9 11			93 -0.2 36	110 -5.2 20	116 31.8 41	104 4 6		
CS 260126 6020814866 CS 260126	CS 210300 CS 140102			113 20	85 51	113 45	117 20	92 36	97 30	98 40	97 35	113 -0.52 20	96 0.18 18	84 -10 20	85 -2.8 51	113 4.1 45	107 33 39	89 -1.8 16	85 -22 12	82 -3.0 14	95 -2.0 38	83 1.0 24	106 26.4 45	89 -3 15	88 -4 14	
CS 260128 6020796261 CS 260128	CS 180164 CS 110155			92 23	101 50	98 49	111 30	109 36	111 32	112 42	111 37	92 0.50 23	98 0.12 23	91 -4 30	101 3.1 50	98 0.5 49	103 25 43	99 3.1 22	95 0 15	89 -0.5 17	103 -8.6 37	107 -4.5 23	107 26.8 48	96 0 18	98 3 17	
CS 260129 6020796279 CS 260129	4 CS 200001 CS 230011			111 21	88 40	103 39	115 23	120 32	120 26	109 35	115 30	111 -0.42 23	95 0.20 13	86 -8 23	88 -1.6 40	103 1.7 39	99 16 34	89 -1.6 15		97 2.7 13	118 -21.2 39	110 -5.1 16	117 32.1 42	92 -2 9		
CS 260130 6020796287 CS 260130	Q 210021 CS 190112			85 30	110 46	120 39	85 25	102 34	104 28	105 38	104 33	90 0.63 31	79 0.65 26	114 17 25	110 6.0 46	120 5.6 39	116 54 37	114 10.7 34	103 18 12	108 6.7 16	89 3.3 38	100 -3.0 22	110 28.4 42	97 0 16	104 8 15	
CS 260132 6020796303 CS 260132	CS 210300 CS 200007			101 20	98 46	106 41	100 24	99 35	98 28	99 38	98 33	102 0.01 21	92 0.28 18	98 3 24	98 1.8 46	106 2.4 41	104 27 37	99 3.2 16	96 3 11	89 -0.5 14	82 8.7 38	96 -2.0 23	112 29.7 43	95 0 15	96 2 14	
CS 260135 6020796485 CS 260135	XA 160036 CS 210083			107 42	110 55	85 40	107 27	107 39	106 32	112 44	110 38	107 -0.25 44	92 0.27 29	94 0 27	110 6.1 55	85 -2.6 40	97 11 41	111 9.1 37	104 22 6	99 3.5 9	105 -10.1 45	119 -7.2 23	90 17.6 48	105 4 10	105 9 9	
CS 260138 6020796519 CS 260138	CS 170021 CS 240273			99 20	103 32	112 28	98 16	92 27	96 21	104 27	99 24	101 0.06 20	89 0.38 18	99 4 16	103 3.7 32	112 3.7 28	112 45 25	104 5.6 16	101 15 10	100 3.7 11	92 0.6 28	90 -0.4 19	101 23.9 35	103 3 12	103 7 11	
CS 260139 6020796527 CS 260139	1 Q 210021 CS 170031			90 34	109 51	116 46	87 24	112 35	113 30	110 41	111 36	94 0.44 35	83 0.54 28	111 15 24	109 5.7 51	116 4.7 46	114 49 40	113 10.2 36	100 13 18	113 8.6 22	100 -6.3 39	112 -5.6 23	109 28.3 44	96 0 22	103 7 21	

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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																								
CS 260147 6020796600 CS 260147	1	CS 210300 CS 240207	98 24	112 43	112 33	91 16	105 31	108 24	113 33	111 28	101 0.08 25	83 0.53 17	107 11 16	112 6.7 43	112 3.9 33	115 52 31	112 9.7 20	114 42 7	101 4.3 11	103 -8.3 36	103 -3.7 17	104 25.4 40	114 9 11	112 14 10
CS 260149 6020796626 CS 260149	4	CS 170021 CS 240057	92 22	113 45	108 36	94 13	106 32	109 25	116 34	113 30	94 0.40 23	86 0.45 20	103 8 13	113 7.1 45	108 2.9 36	115 51 31	112 9.6 18			92 0.7 38	104 -3.8 16	111 29.0 41		
CS 260151 6020796642 CS 260151		CS 180164 CS 240213	94 20	103 40	102 36	92 18	113 31	108 25	103 33	105 29	95 0.37 20	95 0.20 19	106 10 18	103 3.6 40	102 1.6 36	101 20 31	102 4.8 18	102 16 13	92 0.9 16	105 -10.4 32	108 -4.8 20	113 30.1 42	103 3 16	105 9 15
CS 260152 6020796659 CS 260152		CS 170021 CS 240272	99 20	103 32	112 28	98 16	92 27	96 21	104 27	99 24	101 0.06 20	89 0.38 18	99 4 16	103 3.7 32	112 3.7 28	112 45 25	104 5.6 16	101 15 10	100 3.7 11	92 0.6 28	90 -0.4 19	101 23.9 35	103 3 12	103 7 11
CS 260153 6020796667 CS 260153	4	CS 180164 CS 180005	98 25	103 46	104 42	97 19	109 37	107 29	107 38	107 34	100 0.12 25	89 0.37 24	101 5 19	103 3.5 46	104 2.0 42	105 29 36	103 5.3 18		99 3.5 11	102 -7.6 41	98 -2.4 23	117 32.6 47	97 1 12	102 6 10
CS 260154 6020814759 CS 260154	7	CS 180164 CS 170078	111 12	86 44	99 42	114 16	119 35	116 27	102 36	109 32	109 -0.34 12	105 -0.08 12	88 -6 16	86 -2.5 44	99 0.8 42	92 2 34	87 -2.5 9			114 -17.8 40	116 -6.7 19	110 28.6 47		
CS 260156 6020814767 CS 260156	2	CS 170021 CS 120042	109 28	97 50	97 48	115 31	110 40	113 33	112 43	113 38	108 -0.28 28	99 0.08 27	87 -7 31	97 1.7 50	97 0.4 48	101 21 43	99 3.1 24	90 -11 10	97 2.8 13	117 -20.4 42	108 -4.7 29	101 23.7 48	89 -4 14	89 -3 13
CS 260158 6020814817 CS 260158	1	CS 200001 CS 230118	109 24	91 45	99 40	111 27	121 34	119 28	108 38	113 33	108 -0.30 24	97 0.15 21	91 -4 27	91 -0.4 45	99 0.9 40	96 10 37	92 -0.1 25	96 3 6	102 4.6 16	131 -32.1 39	104 -3.9 20	116 32.0 42	97 1 12	97 3 11
CS 260159 6020814825 CS 260159	9	CS 180164 CS 110065	99 24	105 52	86 49	102 20	112 37	106 31	107 42	106 36	98 0.24 24	104 -0.06 22	97 2 20	105 4.2 52	86 -2.2 49	93 2 40	101 4.4 13			106 -11.3 42	113 -5.8 20	105 25.9 49		
CS 260165 6020814890 CS 260165	1	Q 210021 CS 190148	98 31	104 51	79 47	101 32	118 35	108 32	105 43	106 38	99 0.19 32	96 0.16 28	98 3 32	104 3.9 51	79 -3.8 47	86 -13 43	106 6.5 36	81 -29 10	93 1.0 14	116 -19.2 39	118 -7.1 24	105 26.1 43	80 -8 14	86 -5 13
CS 260300 99937971 CS 260300	2	CS 200304 CS 100422	100 16	102 39	121 37	90 16	84 30	87 24	95 32	91 28	103 -0.04 16	82 0.55 14	107 11 16	102 3.5 39	121 5.8 37	115 52 31	105 6.0 15	106 25 8	93 1.2 13	83 7.9 31	80 1.7 17	101 23.6 43	112 8 14	109 12 13
CS 260303 6020606973 CS 260303	2	CS 200001 CS 230305	90 14	111 42	109 35	94 17	102 31	105 24	112 33	109 28	93 0.49 15	85 0.47 8	103 8 17	111 6.5 42	109 3.0 35	114 49 31	109 8.4 8			92 0.1 38	90 -0.6 14	119 33.5 40		

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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																									
CS 260306 6020621808 CS 260306		XA 160036 CS 200333	92 40	123 51	120 42	88 26	108 38	118 31	129 42	125 36	98 0.22 43	72 0.85 28	110 14 26	123 10.8 51	120 5.8 42	130 84 40	125 16.3 35	130 79 9	115 9.7 11	106 -11.3 44	107 -4.5 23	103 24.8 46	127 15 11	127 25 11	
CS 260311 6020796089 CS 260311		XA 160036 CS 200313	103 42	110 54	105 43	93 29	94 39	96 33	105 44	100 38	107 -0.21 45	80 0.61 30	105 9 29	110 6.0 54	105 2.2 43	109 39 42	112 9.8 36	114 43 7	105 5.8 10	92 0.6 45	98 -2.5 25	96 21.0 48	115 10 11	112 14 10	
CS 260313 6020796238 CS 260313		Q 210021 CS 190333	77 28	121 49	117 46	78 32	94 30	96 30	103 40	100 35	83 0.96 29	75 0.77 24	124 27 32	121 10.1 49	117 5.1 46	118 58 42	124 15.6 34	112 38 9	115 9.6 13	90 2.4 31	88 -0.2 16	107 26.8 43	109 6 12	116 17 12	
CS 260315 6020796683 CS 260315		XA 160036 CS 200361	103 39	110 47	110 39	94 18	98 30	102 26	110 37	106 32	105 -0.15 42	86 0.44 26	104 8 18	110 6.2 47	110 3.3 39	114 48 35	112 9.9 34	112 38 8	103 5.0 10	101 -6.8 33	100 -3.0 15	96 20.8 42	117 11 10	116 17 9	
CS 260316 6020796691 CS 260316	1	CS 210300 CS 171303	97 22	101 44	122 41	98 19	95 35	101 27	107 37	104 32	101 0.09 22	82 0.56 19	99 4 19	101 3.0 44	122 6.2 41	120 62 35	104 5.7 16	105 23 12	96 2.1 15	95 -2.2 38	89 -0.3 24	105 25.9 44	103 4 15	103 7 14	
CS 260321 6020814791 CS 260321		Q 210021 CS 160327	73 31	113 52	124 48	79 22	92 36	94 31	97 42	95 36	78 1.21 32	80 0.62 27	121 24 22	113 7.1 52	124 6.5 48	118 58 41	116 11.7 34	104 20 6	109 7.1 11	87 4.8 40	87 0.2 24	107 26.9 44	100 2 11	106 10 10	
CS 260323 6020814924 CS 260323	1	CS 210300 CS 140433	104 20	94 48	113 44	96 18	96 35	94 28	93 39	93 34	103 -0.04 21	98 0.11 18	101 6 18	94 0.6 48	113 4.0 44	105 29 37	93 0.3 18	100 12 10	93 1.0 13	93 -0.8 37	94 -1.5 23	102 24.5 45	98 1 13	98 3 12	

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Index EBV Acc																								
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CS 080160 67158378 MEDUSA CS080160		NRF 980053 CS 040033	111 46	90 81	118 83	110 39	112 64	117 52	109 69	113 60	113 -0.52 49	85 0.48 34	90 -4 39	90 -0.9 81	118 5.2 83	112 45 68	90 -1.3 42	103 18 33	92 0.7 38	94 -1.1 68	128 -9.5 49	94 20.1 74	90 -3 40	86 -6 38
CS 080162 67158394 MOOIBEKKIE CS080162		NRF 980053 CS 040099	99 45	89 80	125 79	106 43	119 66	123 53	110 69	116 61	102 0.03 47	86 0.44 33	94 -1 43	89 -1.3 80	125 6.7 79	115 51 67	90 -1.5 38	106 25 31	93 1.0 36	111 -15.6 72	131 -10.1 49	94 19.9 76	93 -2 38	91 -2 36
CS 080248 67730291 FAIRY CS080248		NRF 980053 CS 050091	121 47	71 74	89 80	132 51	107 62	103 52	97 67	100 60	116 -0.69 49	116 -0.40 35	65 -27 51	71 -7.5 74	89 -1.5 80	80 -25 68	70 -11.2 38	72 -50 34	72 -6.9 39	102 -7.6 68	121 -7.7 48	89 17.5 71	57 -19 40	58 -26 38
CS 090094 68936012 ESCOURT CS090094		NRF 980053 CS 040128	118 46	77 73	111 81	112 43	107 62	105 51	90 66	96 58	115 -0.63 49	105 -0.09 34	89 -5 43	77 -5.4 73	111 3.6 81	96 9 66	79 -7.0 38	98 7 33	86 -1.6 39	110 -14.8 66	119 -7.3 48	86 15.4 72	76 -10 40	81 -9 38
CS 090144 69101194 MAGENTA CS090144		NRF 980053 CS 040144	112 34	78 79	132 81	116 34	84 59	94 49	93 66	93 58	114 -0.55 37	89 0.36 18	83 -11 34	78 -5.2 79	132 8.5 81	119 59 65	83 -4.8 39	102 15 28	91 0.3 33	70 19.0 65	94 -1.4 43	93 19.6 70	96 0 35	94 1 33
CS 100051 70821046 SUSANNA CS100051	3	CS 060045 CS 030070	103 48	108 79	77 79	98 53	94 63	85 53	93 70	88 62	101 0.05 49	104 -0.05 45	101 6 53	108 5.3 79	77 -4.4 79	85 -14 70	103 5.4 41	93 -3 21	93 1.2 24	91 1.4 68	99 -2.6 50	95 20.6 72	74 -11 25	85 -6 24
CS 100060 70821160 ESCOURT CS100060	2	CS 990021 CS 030051	104 52	95 81	111 83	90 56	108 64	102 55	92 72	96 64	106 -0.19 52	87 0.42 51	108 12 56	95 0.8 81	111 3.6 83	101 20 73	96 1.9 46	105 23 29	110 7.5 32	106 -11.0 68	119 -7.4 52	89 17.5 73	93 -1 32	92 -1 31
CS 100081 70904644 MISSIE CS100081	4	CS 060045 CS 040038	102 48	103 80	66 81	112 51	101 63	92 53	96 70	93 62	100 0.11 49	105 -0.09 45	91 -3 51	103 3.6 80	66 -6.8 81	76 -34 71	101 4.4 40	84 -24 18	92 0.9 22	105 -10.3 66	111 -5.5 50	86 15.7 72	76 -10 23	85 -6 21
CS 100100 71066393 RAKA CS100100	3	CS 000090 CS 030044	124 49	81 77	105 80	116 36	95 62	95 50	90 66	92 58	119 -0.84 50	113 -0.33 43	86 -8 36	81 -4.1 77	105 2.1 80	95 6 64	81 -5.7 42	87 -17 20	95 1.8 23	114 -17.9 68	107 -4.5 46	75 9.5 73	82 -7 24	76 -13 23
CS 100105 71065809 ESCOURT CS100105	4	CS 060045 CS 040128	91 48	105 79	113 78	94 44	107 64	108 52	109 68	109 60	92 0.52 49	94 0.21 46	104 8 44	105 4.5 79	113 3.9 78	113 46 67	106 6.8 40	106 26 21	103 5.0 25	109 -13.7 68	113 -6.0 50	94 19.8 73	85 -6 25	99 4 24
CS 100138 71084859 CS100138		CS 060045 CS 050185	103 37	98 80	76 82	120 38	111 55	107 49	108 66	107 58	100 0.11 37	110 -0.23 35	83 -11 38	98 1.7 80	76 -4.5 82	84 -17 67	95 1.1 30	81 -29 16	87 -1.3 18	110 -14.4 53	120 -7.6 40	93 19.5 72	80 -8 18	85 -6 18
CS 100158 71116792 MISSIE CS100158	1	CS 000090 CS 030013	118 48	80 75	113 82	105 54	107 63	104 53	89 69	96 61	119 -0.81 49	90 0.33 42	94 0 54	80 -4.4 75	113 4.0 82	97 11 70	87 -2.8 36	93 -3 22	96 2.4 25	113 -16.9 68	118 -7.1 49	86 15.8 72	88 -4 25	87 -5 24

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ID Number Name																									
CS 100172 71194542 RAKA CS100172	2	CS 060045 CS 050008	88 51	118 74	82 80	97 51	112 64	108 53	116 68	113 60	89 0.69 52	100 0.05 49	102 6 51	118 8.9 74	83 -3.1 80	98 14 68	113 10.2 42	103 17 20	104 5.4 22	127 -28.5 68	115 -6.4 50	91 18.3 73	90 -3 23	100 5 22	
CS 100271 71647655 LIESBET CS100271	2	CS 060073 CS 060049	66 38	121 75	125 82	91 51	99 59	111 51	127 67	120 59	73 1.47 38	75 0.76 37	105 10 51	121 10.2 75	125 6.9 82	135 95 69	119 13.5 34	124 65 20	127 14.2 23	99 -5.8 64	109 -5.1 41	88 16.8 71	118 11 24	122 22 23	
CS 100422 72407554 CS100422		CS 050079 CS 070417	92 28	119 63	112 66	87 25	82 50	87 40	105 53	96 46	96 0.32 28	80 0.63 26	111 15 25	119 9.2 63	112 3.7 66	118 58 51	116 11.9 28	112 39 28	89 -0.5 34	82 8.5 50	85 0.6 32	92 19.1 68	122 13 35	117 18 33	
CS 110039 73121402 ESCOURT CS110039	2	CS 990021 CS 030051	92 52	106 80	128 81	80 56	99 66	100 55	96 72	98 64	97 0.26 52	74 0.77 51	120 23 56	106 4.6 80	128 7.6 81	117 56 72	108 7.8 46	120 56 29	121 11.8 32	93 -0.7 71	106 -4.2 53	95 20.7 74	105 4 32	106 9 31	
CS 110054 73121543 ESCOURT CS110054	3	CS 050079 CS 930047	74 48	127 72	148 77	73 40	83 63	100 50	112 65	106 58	81 1.04 49	59 1.22 44	129 32 40	127 12.0 72	148 12.3 77	143 111 63	127 17.5 46	144 109 33	126 13.7 39	92 0.3 68	78 2.2 47	97 21.7 73	141 23 40	136 32 37	
CS 110058 73311250 ROXETTE CS110058		LCK 040002 CS 990034	125 46	76 81	87 83	121 59	115 63	107 55	92 72	99 64	119 -0.84 47	117 -0.43 43	80 -14 59	76 -6.0 81	87 -2.0 83	76 -35 74	80 -6.2 42	77 -39 22	86 -1.7 25	134 -34.1 67	110 -5.2 49	98 22.3 73	82 -7 25	81 -9 24	
CS 110065 73311326 TINKERBELL CS110065	6	CS 060045 CS 040084	104 48	102 80	75 82	113 50	101 63	95 53	100 70	97 62	101 0.09 49	113 -0.32 46	90 -4 50	102 3.2 80	75 -4.9 82	83 -19 71	97 2.0 40	89 -12 21	90 0.1 26	101 -7.4 67	107 -4.4 49	93 19.5 72	70 -13 26	86 -6 25	
CS 110076 73311433 ESCOURT CS110076		LCK 040002 CS 000069	103 44	54 80	103 80	104 56	111 63	89 54	57 71	70 62	146 -2.16 45	108 -0.17 39	95 0 56	54 -13.7 80	103 1.8 80	66 -56 72	62 -15.5 39	79 -35 19	77 -4.8 21	114 -17.8 66	121 -7.7 48	90 17.9 74	86 -5 22	79 -11 21	
CS 110148 73470866 ESCOURT CS110148		LCK 040002 CS 990084	113 46	70 69	83 75	129 56	120 63	110 52	95 66	102 59	136 -1.67 47	108 -0.16 43	70 -22 56	70 -8.0 69	83 -3.1 75	70 -47 67	74 -9.4 36	79 -35 19	77 -5.0 21	117 -20.3 68	136 -11.2 49	88 16.6 73	87 -5 21	80 -10 21	
CS 110155 73470932 ROMELIA CS110155		CS 060600 CS 070012	90 33	95 74	98 82	123 54	94 52	100 49	109 65	105 57	90 0.61 33	100 0.05 33	77 -16 54	95 0.8 74	98 0.5 82	105 29 70	92 -0.5 34	85 -21 15	88 -0.7 17	95 -2.1 53	96 -1.9 32	97 21.3 70	88 -4 18	87 -5 17	
CS 110186 73471229 EMPRESS CS110186		CS 060600 CS 960045	79 42	114 79	136 81	73 43	79 53	85 49	89 66	86 58	87 0.79 43	67 1.00 39	130 32 43	114 7.4 79	136 9.5 81	124 71 68	116 11.8 36	124 65 21	119 11.1 24	64 23.7 52	89 -0.4 35	92 19.0 73	119 12 24	122 22 23	
CS 110424 74073164 CS110424		LCK 050018 CS 090311	88 27	103 55	89 62	95 16	57 45	51 35	71 47	59 41	85 0.85 28	112 -0.28 20	104 8 16	103 3.7 55	89 -1.6 62	91 -2 44	100 3.7 12	97 5 6	95 2.1 7	85 6.2 41	63 5.7 24	69 6.4 69	103 3 7	100 5 7	

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ID Number Name																									
CS 120029 75083345 VINE CS120029	7	CS 060045 CS 030014	95 48	103 80	85 82	116 49	100 64	100 54	108 70	104 62	94 0.41 48	103 -0.04 46	87 -7 49	103 3.7 80	85 -2.6 82	95 7 70	101 4.2 44	91 -9 20	103 4.9 24	105 -10.2 68	106 -4.3 51	90 17.8 73	77 -10 25	87 -5 23	
CS 120032 75083378 MISSIE CS120032	4	CS 060045 CS 040038	103 48	99 80	75 81	114 45	100 64	93 53	97 69	95 61	102 0.04 49	103 -0.03 45	89 -5 45	99 2.4 80	75 -4.9 81	81 -22 69	100 3.5 42	84 -23 18	93 1.1 22	105 -10.6 68	106 -4.2 51	90 17.6 72	77 -10 23	86 -6 21	
CS 120039 75185751 CS120039	3	CS 070312 CS 020091	108 41	91 79	82 81	117 45	83 61	79 52	87 68	82 60	105 -0.12 41	111 -0.27 39	85 -9 45	91 -0.5 79	82 -3.2 81	83 -19 68	88 -2.5 40	86 -20 20	87 -1.2 23	101 -6.8 66	77 2.6 45	93 19.3 71	78 -9 23	82 -8 22	
CS 120042 75083451 TINKERBELL CS120042		LCK 040002 CS 020067	121 40	83 74	77 80	127 58	123 62	116 53	107 68	112 60	115 -0.65 40	121 -0.53 40	73 -20 58	83 -3.4 74	77 -4.4 80	76 -35 71	85 -3.8 39	71 -52 22	86 -1.4 24	145 -43.6 67	125 -8.6 48	90 18.1 72	77 -9 24	75 -14 24	
CS 120053 75083568 RAKA CS120053		LCK 040002 CS 050008	120 39	81 81	94 83	122 54	118 62	115 54	104 71	110 62	116 -0.67 39	112 -0.28 37	79 -15 54	81 -4.0 81	94 -0.4 83	88 -8 73	85 -3.6 40	75 -43 15	78 -4.7 18	133 -33.4 66	116 -6.5 47	98 22.3 72	84 -6 18	83 -8 17	
CS 120241 75493502 MOOIBEKKIE CS120241	2	CS 050079 CS 080162	84 36	122 72	132 77	85 42	114 62	125 49	131 64	129 56	91 0.57 37	66 1.03 30	113 16 42	122 10.2 72	132 8.4 77	136 97 64	120 13.9 30	136 92 17	115 9.4 21	104 -9.4 68	118 -7.1 45	103 24.7 72	125 14 22	122 22 21	
CS 120613 76332139 RAKA CS120613	4	CS 060004 CS 090001	103 34	87 78	132 80	116 43	89 61	103 51	107 67	105 59	104 -0.09 35	90 0.34 32	84 -10 43	87 -2.0 78	132 8.5 80	127 76 67	93 0.4 42	102 16 18	102 4.6 21	108 -13.1 68	82 1.3 45	94 20.2 71	91 -3 23	97 3 22	
CS 120629 76332287 ESCOURT CS120629		CS 070024 CS 070213	111 38	94 70	53 75	122 36	97 58	84 47	88 61	85 54	107 -0.23 38	115 -0.36 36	81 -13 36	94 0.6 70	53 -10.0 75	59 -71 60	92 -0.4 40	80 -33 18	79 -4.1 20	93 -0.3 62	117 -6.8 43	80 12.2 69	79 -9 21	79 -11 20	
CS 120630 76332295 RAKA CS120630		LCK 060027 CS 000007	101 42	94 69	99 78	105 38	105 53	102 46	98 61	99 54	101 0.09 43	99 0.07 39	95 0 38	94 0.5 69	99 0.8 78	96 10 62	96 1.6 37	92 -6 20	94 1.6 22	100 -6.0 55	106 -4.3 35	102 24.4 70	90 -3 22	91 -1 22	
CS 130004 76788652 ROXETTE CS130004		LCK 040002 CS 020073	118 40	85 72	87 77	124 44	119 62	116 50	108 65	112 58	115 -0.60 40	111 -0.25 40	77 -17 44	85 -2.8 72	87 -2.0 77	85 -14 64	88 -2.4 40	78 -36 22	87 -1.2 25	139 -38.5 67	111 -5.3 49	102 24.5 71	83 -7 25	82 -8 24	
CS 130007 76788686 ESCOURT CS130007		LCK 040002 CS 990061	129 45	75 72	61 78	133 43	112 62	99 50	92 65	95 58	124 -1.05 46	123 -0.61 42	67 -26 43	75 -6.1 72	61 -8.0 78	55 -80 64	76 -8.5 43	59 -80 22	62 -10.7 24	114 -17.5 68	115 -6.5 48	98 22.3 71	65 -16 25	63 -23 24	
CS 130011 76906684 CS130011		CS 040003 MAK 090309	91 33	110 74	94 82	111 44	108 58	112 50	120 65	117 58	91 0.57 34	102 -0.01 29	91 -3 44	110 6.2 74	94 -0.4 82	107 34 67	106 6.6 33	101 14 12	98 2.9 14	112 -15.8 64	95 -1.8 40	114 30.6 69	101 3 14	104 8 14	

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ID Number Name																								
CS 130057 77352680 MEDUSA CS130057	1	CS 060045 CS 040033	94 48	117 78	80 81	93 43	121 63	113 52	113 68	113 60	95 0.35 49	93 0.25 46	107 11 43	117 8.5 78	80 -3.6 81	93 3 67	110 8.8 42	105 22 24	104 5.4 27	108 -13.0 67	134 -10.8 51	98 21.9 70	93 -1 27	97 3 26
CS 130105 77475010 ROMELIA CS130105	1	CS 050079 CS 080103	92 38	117 69	105 73	90 32	89 58	92 46	106 60	99 53	97 0.28 39	79 0.65 36	109 13 32	117 8.7 69	105 2.2 73	113 46 58	115 11.3 34	118 51 19	109 7.1 23	85 6.3 63	93 -1.3 43	95 20.3 69	106 5 23	109 12 22
CS 130118 77475143 TINKERBELL CS130118	1	CS 040003 CS 110016	103 36	103 72	85 79	113 38	113 57	111 48	112 63	112 56	101 0.07 36	105 -0.08 33	90 -4 38	103 3.8 72	85 -2.4 79	94 5 63	99 3.4 39	96 4 15	96 2.3 17	125 -27.0 62	106 -4.2 42	103 24.7 67	94 -1 18	95 1 17
CS 130182 77524114 JUANA CS130182	4	CS 060045 CS 030028	87 50	108 69	91 74	104 45	106 65	105 50	111 64	108 57	88 0.72 50	98 0.11 47	95 1 45	108 5.6 69	91 -1.1 74	100 19 63	110 8.7 41	93 -4 19	97 2.7 23	95 -1.9 71	114 -6.3 52	98 22.3 72	84 -6 24	95 1 23
CS 130207 78029360 CS130207		CS 040003 MAK 090361	102 33	100 70	77 78	112 36	118 60	110 48	107 62	108 55	99 0.18 34	113 -0.33 29	91 -3 36	100 2.7 70	77 -4.3 78	84 -18 61	95 1.2 28	78 -36 12	81 -3.5 14	121 -23.5 69	104 -3.9 41	116 31.9 69	82 -7 14	82 -9 14
CS 130222 78029667 ESCOURT CS130222		VEN 080083 CS 100060	88 26	116 70	91 74	84 31	118 55	109 45	105 59	107 52	89 0.65 26	94 0.22 26	116 20 31	116 8.2 70	91 -1.2 74	97 11 58	111 9.3 32	116 48 14	114 9.1 16	111 -15.0 60	131 -10.1 37	93 19.7 67	111 7 16	112 14 16
CS 130284 78224722 RALLIE CS130284	6	CS 080207 CS 110239	116 18	74 47	102 42	119 9	117 52	112 31	94 41	102 36	113 -0.53 21		83 -11 9	74 -6.6 47	102 1.6 42	88 -9 33	75 -8.7 12		79 -4.3 10	112 -16.6 57	126 -8.9 34	96 21.2 66	78 -9 13	79 -11 9
CS 130321 77353076 CS130321		CS 060600 CS 020326	100 33	96 55	91 52	113 28	88 46	87 36	94 48	90 42	98 0.20 33	108 -0.17 32	89 -5 28	96 1.1 55	91 -1.0 52	93 4 45	95 1.4 27	90 -11 18	98 2.9 19	101 -6.8 40	90 -0.5 28	88 17.0 70	91 -3 19	92 -1 19
CS 130667 78727203 SNYBERG CS130667		LCK 040002 CS 030154	126 24	77 67	81 75	130 36	113 59	107 46	100 60	103 53	121 -0.91 24	116 -0.41 25	69 -23 36	77 -5.4 67	81 -3.5 75	75 -36 59	80 -6.5 34	67 -62 7	69 -8.0 9	114 -17.6 67	106 -4.3 42	109 27.9 67	85 -5 9	80 -10 9
CS 140003 79026977 ESCOURT CS140003		LCK 040002 CS 990061	119 45	63 79	59 81	136 43	124 63	104 52	88 68	94 60	132 -1.45 46	130 -0.81 42	62 -30 43	63 -10.4 79	59 -8.6 81	42 -108 68	64 -14.1 44	51 -96 22	57 -12.8 24	132 -32.7 69	116 -6.7 50	108 27.5 71	59 -18 25	57 -28 24
CS 140027 79510947 CS140027	3	CS 060045 CS 070018	91 43	112 77	80 77	104 38	105 61	101 50	110 66	106 58	90 0.61 43	103 -0.03 41	96 1 38	112 6.8 77	80 -3.6 77	94 5 64	108 7.8 39	91 -8 16	100 3.8 19	114 -18.1 67	100 -3.0 47	100 23.3 68	81 -8 20	90 -2 19
CS 140037 79511044 CS140037	3	CS 060045 CS 040020	85 48	113 79	99 80	92 45	105 63	103 52	107 69	105 60	86 0.81 49	97 0.14 45	107 11 45	113 7.0 79	99 0.9 80	106 31 68	109 8.3 46	108 29 21	107 6.3 25	98 -4.8 67	119 -7.4 50	89 17.4 71	86 -5 25	98 4 24

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ID Number Name																								
CS 140076 79703021 CS140076	4	CS 080122 CS 070078	128 35	69 77	100 77	131 30	84 58	85 47	87 63	85 55	123 -1.01 35	114 -0.33 33	66 -26 30	69 -8.4 77	100 1.0 77	89 -7 61	75 -8.6 36	66 -63 19	82 -3.2 23	98 -4.7 62	79 2.1 42	94 20.1 69	66 -15 23	70 -18 22
CS 140102 79852042 SNYBERG CS140102		CS 080122 CS 120012	126 30	68 78	107 77	130 29	93 56	95 46	93 63	93 54	123 -0.99 30	107 -0.14 29	67 -25 29	68 -8.7 78	107 2.6 77	94 6 61	76 -8.5 27	66 -64 17	77 -5.0 19	102 -7.5 63	85 0.7 40	104 25.2 66	72 -12 19	73 -16 19
CS 140105 79852075 RAKA CS140105		LCK 040002 CS 090115	126 35	78 77	103 76	118 43	117 59	114 49	98 66	106 58	122 -0.98 35	109 -0.20 33	84 -10 43	78 -5.2 77	103 1.8 76	92 0 65	83 -4.8 32	83 -26 12	87 -1.4 15	115 -18.5 64	120 -7.5 46	101 23.6 68	90 -3 15	84 -7 14
CS 140138 79852422 ROMELIA CS140138		LCK 040002 CS 020054	104 39	91 78	92 79	124 43	130 61	129 51	121 67	126 59	103 -0.02 39	104 -0.06 39	77 -16 43	91 -0.7 78	92 -0.9 79	96 9 67	93 0.2 36	84 -24 19	88 -0.9 21	130 -31.3 66	131 -10.0 48	104 25.4 70	81 -7 22	83 -8 21
CS 140180 79931564 TINKERBELL CS140180	7	CS 060045 CS 020035	95 52	104 74	89 63	115 44	122 63	122 49	120 64	122 56	93 0.48 53	109 -0.21 46	88 -6 44	104 3.9 74	89 -1.6 63	99 15 60	103 5.0 38	96 2 16	107 6.5 21	123 -25.4 69	126 -8.9 49	98 22.4 70	82 -7 21	92 -1 20
CS 140302 79373072 CS140302		CS 060600 CS 090351	104 17	98 68	99 75	105 19	95 46	94 39	98 54	96 46	103 -0.03 17	100 0.06 18	95 0 19	98 1.9 68	99 0.7 75	99 16 54	97 2.2 24	92 -5 6	90 0.0 7	104 -9.5 46	85 0.6 23	105 26.1 68	103 3 7	100 5 7
CS 140319 79703179 CS140319		CS 080122 CS 070328	94 37	92 76	103 71	103 29	71 58	68 46	78 62	72 54	93 0.46 38	104 -0.05 33	96 1 29	92 -0.4 76	103 1.7 71	97 12 59	93 0.0 30	82 -27 18	92 0.6 20	80 10.6 64	66 5.1 43	95 20.2 68	81 -7 21	82 -8 20
CS 140331 79852562 PINKIE CS140331		CS 060600 CS 040369	95 14	98 74	125 73	98 25	86 42	93 40	100 56	96 48	97 0.26 14	89 0.37 15	98 3 25	98 1.8 74	125 6.8 73	120 61 57	100 4.0 22			87 4.5 40	89 -0.4 17	93 19.6 68		
CS 140378 80048614 CS140378		CS 060045 CS 970304	95 51	95 79	100 78	102 41	112 61	107 51	101 67	104 59	98 0.23 51	86 0.45 50	96 1 41	95 0.8 79	100 0.9 78	97 11 66	97 2.5 37	89 -13 22	91 0.3 25	116 -19.8 66	118 -7.2 47	93 19.4 70	90 -3 25	93 0 24
CS 140433 80733934 CS140433		CS 100063 CS 100376	107 33	87 68	107 75	95 25	102 54	93 43	83 58	87 50	104 -0.05 34	112 -0.27 29	103 7 25	87 -2.1 68	107 2.6 75	93 3 56	84 -4.1 32	97 4 16	98 3.0 19	99 -5.2 59	106 -4.3 38	97 21.5 66	89 -3 20	93 0 19
CS 140602 80325368 ROXETTE CS140602		CS 080046 CS 120011	124 33	72 70	112 75	130 34	125 57	129 46	117 61	123 54	122 -0.95 34	105 -0.08 29	66 -26 34	72 -7.2 70	112 3.8 75	105 28 60	79 -6.8 32	75 -44 18	79 -4.2 22	137 -37.3 62	121 -7.9 40	102 24.0 68	75 -10 22	73 -15 21
CS 140644 80469042 RAKA CS140644		LCK 040002 CS 080189	113 33	82 67	128 71	120 39	131 60	138 47	124 60	132 54	114 -0.56 34	91 0.31 30	80 -14 39	82 -3.7 67	128 7.6 71	121 64 59	91 -0.7 34	99 9 29	96 2.1 35	137 -37.0 65	130 -9.9 46	103 24.6 70	103 3 36	104 8 34

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ID Number Name																									
WT 140077 80104268 WT1477		GL 060110 WT 030023	117 51	91 42	82 50	111 20	89 54	82 35	83 43	81 39	113 -0.55 50	109 -0.20 54	92 20	91 -0.6 42	82 -3.1 50	80 -25 37	89 -1.7 20	91 -8 10	83 -2.8 12	90 1.7 61	99 -2.8 37	86 15.6 64	91 -3 13	92 -1 12	
CS 150017 81563827 FAIRY CS150017	3	CS 040003 CS 100003	97 39	114 77	58 76	112 36	116 58	107 48	113 64	111 56	93 0.45 40	114 -0.34 37	92 -3 36	114 7.7 77	58 -8.9 76	78 -30 63	106 6.9 35	85 -22 13	90 0.1 16	124 -26.5 63	114 -6.2 43	101 23.5 67	77 -10 17	84 -7 16	
CS 150040 81564098 VINE CS150040	4	CS 080122 CS 080002	102 37	87 78	141 78	113 30	99 60	114 48	112 65	113 56	106 -0.18 38	76 0.72 34	87 -8 30	87 -2.1 78	141 10.6 78	133 89 62	93 0.4 32	104 20 16	104 5.4 21	85 6.5 68	95 -1.6 43	112 29.9 69	90 -3 22	95 1 20	
CS 150043 81583346 LENA CS150043	1	CS 080122 CS 060068	100 39	106 71	122 76	98 33	107 60	115 47	120 62	118 54	104 -0.08 40	78 0.67 37	98 3 33	106 4.7 71	122 6.1 76	124 71 60	108 7.9 36	111 36 20	110 7.8 23	103 -8.5 67	102 -3.3 44	110 28.5 69	102 3 23	105 9 22	
CS 150060 81761322 RAKA CS150060	13	CS 040003 CS 090226	98 32	107 74	89 65	119 29	103 56	109 44	120 60	115 52	96 0.30 34	104 -0.07 22	83 -11 29	107 5.1 74	89 -1.6 65	104 27 56	102 4.6 16			98 -4.5 67	109 -5.0 35	98 21.9 67			
CS 150070 81761421 CS150070		CS 040003 MAK 090340	92 33	115 75	87 73	112 33	104 58	108 47	121 62	115 54	91 0.56 34	102 -0.01 29	91 -4 33	115 7.9 75	87 -2.1 73	105 29 60	109 8.1 31	97 4 12	94 1.6 14	110 -14.9 64	94 -1.4 41	108 27.4 68	98 1 14	100 5 14	
CS 150145 81945180 ROMELIA CS150145		LCK 040002 CS 020054	112 39	82 80	89 80	128 43	121 62	118 51	110 68	114 60	109 -0.32 39	109 -0.21 39	71 -22 43	82 -3.8 80	89 -1.7 80	87 -10 68	85 -3.9 38	74 -45 19	80 -3.7 21	116 -19.8 67	129 -9.7 48	97 21.6 70	74 -11 22	75 -14 21	
CS 150184 82064189 RAKA CS150184		LCK 040002 CS 020058	125 40	78 80	67 80	130 40	114 61	103 51	97 67	99 59	126 -1.18 40	133 -0.89 38	70 -23 40	78 -5.3 80	67 -6.6 80	63 -64 67	80 -6.5 36	67 -61 15	73 -6.6 17	117 -20.5 67	113 -5.9 47	102 24.4 68	76 -10 18	73 -16 17	
CS 150240 82166745 AMELIA CS150240	2	CS 080207 CS 120659	123 37	79 78	78 76	121 31	131 57	119 47	98 64	108 56	119 -0.85 38	111 -0.27 32	82 -12 31	79 -4.8 78	78 -4.1 76	70 -48 62	78 -7.3 30	75 -43 18	74 -6.0 22	116 -19.7 62	138 -11.7 42	106 26.6 68	64 -16 22	66 -21 21	
CS 150294 82365917 TINKERBELL CS150294	4	CS 060045 CS 030017	83 48	114 75	98 67	92 51	121 64	118 51	117 66	118 58	87 0.79 49	85 0.47 46	106 10 51	114 7.6 75	98 0.5 67	106 31 64	115 11.4 39	99 9 21	104 5.2 26	114 -17.6 69	123 -8.3 52	106 26.2 71	87 -5 27	98 3 25	
CS 150304 81563983 CS150304	1	CS 050079 CS 070309	82 38	134 72	114 53	88 31	86 59	100 43	127 58	115 50	88 0.71 39	75 0.76 35	111 15 31	134 14.7 72	114 4.3 53	132 89 52	133 20.2 30	130 78 19	120 11.3 22	78 11.9 65	91 -0.7 43	97 21.7 68	122 13 23	123 22 22	
CS 150323 81945198 CS150323	7	CS 060045 CS 080307	96 46	117 79	74 76	109 39	114 61	112 50	121 67	117 58	96 0.30 47	98 0.10 43	94 -1 39	117 8.6 79	74 -5.1 76	94 5 65	114 10.6 36	93 -5 11	103 5.0 18	108 -13.1 66	121 -7.9 47	99 22.4 69	81 -8 19	90 -2 17	

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ID Number Name																								
CS 150606 82745894 ROXETTECS150606		CS 080046 CS 120011	126 33	71 69	109 73	128 33	125 58	127 46	111 60	119 53	123 -1.00 34	106 -0.12 29	70 23 33	71 -7.5 69	109 3.1 73	98 15 58	78 -7.4 32	74 -47 18	78 -4.6 22	132 -32.4 65	113 -5.8 42	115 31.3 67	74 -11 22	72 -16 21
CS 150639 82759275 TINKERBELL CS150639	1	CS 050079 CS 070036	89 41	118 63	123 64	87 38	96 59	104 45	115 58	110 52	95 0.37 42	69 0.92 38	111 15 38	118 8.8 63	123 6.3 64	126 76 55	121 14.4 38	124 64 20	114 9.0 24	92 0.3 65	90 -0.6 45	108 27.3 68	118 11 24	120 20 23
EX 150309 81400400 EYESHADOW	7	EX 090200 EX 090267	125 38	78 81	68 84	116 68	97 58	80 55	71 72	73 64	125 -1.14 39	111 -0.26 36	87 -7 68	78 -5.1 81	68 -6.4 84	58 -74 78	74 -9.1 60	67 -60 25	63 -10.5 31	78 12.4 65	100 -3.0 42	107 26.7 68	71 -13 33	61 -24 30
CS 160039 83968107 CS160039	1	CS 050079 CS 130182	78 38	131 69	114 76	84 33	94 58	103 46	122 60	114 53	84 0.89 38	72 0.84 35	115 18 33	131 13.5 69	114 4.2 76	127 78 59	130 18.7 31	126 68 16	114 9.0 19	77 13.1 63	97 -2.3 44	105 25.9 66	117 10 20	121 21 19
CS 160090 83968586 ELLIE CS160090	2	CS 080122 CS 070145	104 37	87 69	127 73	113 33	82 57	93 45	98 60	95 52	104 -0.06 37	96 0.15 35	87 -7 33	87 -1.9 69	127 7.3 73	120 62 58	94 0.8 31	88 -14 18	93 1.1 21	78 12.1 62	80 1.7 42	100 23.2 66	81 -7 21	87 -5 20
CS 160118 83968842 VARA CS160118	4	CS 080122 CS 070108	118 40	82 70	106 76	122 33	91 57	95 46	97 61	95 54	116 -0.69 40	100 0.05 38	79 -15 33	82 -3.6 70	106 2.4 76	101 20 60	87 -2.8 36	87 -16 21	100 3.8 25	78 12.0 63	88 0.0 43	109 27.9 66	81 -7 25	85 -6 24
CS 160227 84339456 RAKA CS160227	2	CS 050079 CS 070251	75 40	135 72	127 79	80 37	93 59	108 48	128 63	119 56	82 1.00 41	69 0.93 37	120 23 37	135 15.1 72	127 7.2 79	138 101 63	132 19.9 36	139 97 16	122 12.1 19	91 1.3 65	85 0.6 45	109 27.9 68	128 16 19	131 28 18
CS 160270 84655703 MAGENTA CS160270		CS 080076 CS 080170	102 34	93 67	148 71	95 28	103 54	115 43	111 57	113 50	108 -0.29 35	66 1.00 29	100 5 28	93 0.2 67	148 12.3 71	135 95 55	102 4.9 30	121 58 20	112 8.2 23	82 8.4 61	104 -3.9 38	111 29.0 64	109 6 24	113 14 23
CS 160327 84040542 CS160327	3	CS 070312 CS 100326	79 33	98 72	120 78	87 24	73 57	72 45	80 60	75 52	81 1.09 34	95 0.18 28	110 14 24	98 2.0 72	120 5.7 78	110 40 58	98 2.7 20		75 14.6 63	68 4.6 42	99 22.9 66			
EX 160516 83858316 EX 160516		MVN 100160 AZ 120020	109 42	101 80	77 83	125 62	88 55	90 53	107 70	99 62	105 -0.13 43	113 -0.31 37	76 -17 62	101 2.8 80	77 -4.3 83	91 -2 75	95 1.4 39	91 -8 35	124 12.8 39	88 3.8 63	88 0.0 36	97 21.7 66	71 -13 40	81 -9 39
CS 170004 85255578 CS170004		FF 080048 CS 090026	117 45	85 70	111 76	110 39	112 58	112 48	99 62	105 55	116 -0.68 47	100 0.06 34	91 -3 39	85 -2.8 70	111 3.6 76	101 20 62	86 -3.5 37	100 12 38	105 5.8 43	98 -4.7 64	118 -7.0 42	103 24.7 68	90 -3 43	88 -4 42
CS 170013 85363141 RAKA CS170013		CS 080122 CS 070228	121 36	71 71	91 77	131 34	104 58	100 47	95 62	97 54	129 -1.31 37	107 -0.16 32	67 -25 34	71 -7.7 71	91 -1.0 77	81 -23 61	72 -10.2 31	71 -53 23	79 -4.1 27	101 -7.3 63	99 -2.8 43	108 27.4 67	64 -16 28	64 -22 26

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CS 170031 85502151 CS170031		FF 080048 CS 100138		113 42	90 69	105 73	112 33	113 56	114 45	105 60	109 52	112 -0.45 44	101 0.02 35	90 33	90 -0.9 69	105 2.1 73	100 19 58	92 -0.3 30	95 1 35	105 5.8 39	102 -7.7 61	117 -7.0 41	105 25.7 67	95 -1 40	94 1 38	
CS 170054 85540771 CS170054	2	FF 080048 CS 090001		112 44	93 70	118 76	112 35	106 57	114 47	112 61	113 54	113 -0.52 45	93 0.26 36	89 35	93 0.0 70	118 5.1 76	115 51 60	96 1.5 34	105 22 34	109 7.3 39	100 -6.1 62	103 -3.6 41	109 27.8 67	101 3 40	99 4 38	
CS 170063 85540854 MAK CS170063		CS 100153 CS 140118		89 30	110 66	103 75	104 37	135 56	137 45	133 59	136 52	90 0.60 30	94 0.23 29	95 0	110 6.0 66	103 1.8 75	113 46 59	107 7.4 24	103 19 12	100 3.6 14	126 -28.1 63	118 -7.0 40	131 39.6 64	100 2 14	105 8 13	
CS 170069 85540599 ESCOURT CS170069	1	CS 100153 CS 090209		108 33	88 65	99 72	113 30	123 56	120 44	106 57	112 50	106 -0.18 34	103 -0.05 30	89 30	88 -1.7 65	99 0.7 72	93 4 56	87 -2.7 24	97 4 18	91 0.3 22	106 -11.5 61	120 -7.6 41	117 32.4 65	84 -6 23	89 -3 21	
CS 170073 85540631 TINKERBELL CS170073	2	FF 080048 CS 100119		124 46	81 63	102 61	107 37	106 57	101 44	87 56	93 50	125 -1.12 48	104 -0.06 39	94 37	81 -4.0 63	102 1.5 61	89 -6 54	84 -4.5 32	98 8 34	108 7.0 39	101 -7.0 62	106 -4.3 42	104 25.6 66	94 -1 40	92 -1 38	
CS 170078 85540680 ESCOURT CS170078		LCK 040002 CS 070053		127 37	64 64	101 66	126 41	115 60	110 46	91 59	99 52	124 -1.06 37	115 -0.36 37	73 41	64 -10.2 64	101 1.2 66	82 -22 57	69 -11.8 35	68 -59 16	69 -8.0 18	117 -20.5 66	114 -6.2 47	103 24.9 68	78 -9 19	73 -16 18	
CS 170099 85623122 CS170099	2	CS 100153 CS 140003		107 34	92 67	96 75	116 29	130 55	128 44	115 58	121 51	106 -0.18 34	101 0.03 33	86 29	92 -0.3 67	96 0.1 75	95 8 57	93 0.3 26	89 -11 12	87 -1.1 15	122 -24.1 62	117 -6.7 40	124 36.4 64	88 -4 15	92 -1 14	
CS 170108 85623197 ESCOURT CS170108		CS 100153 CS 110054		78 35	120 64	130 73	82 29	109 55	118 43	121 57	120 50	85 0.87 35	72 0.84 33	117 21 29	120 9.6 64	130 8.0 73	130 85 55	120 13.6 28	134 86 18	117 10.4 21	108 -13.1 60	94 -1.5 40	119 33.3 65	125 14 22	126 25 21	
CS 170137 85623452 AMELIA CS170137		FF 080048 CS 090152		117 44	67 69	113 73	122 37	106 57	105 46	90 61	96 54	131 -1.44 46	103 -0.04 34	78 37	67 -9.1 69	113 4.1 73	94 5 60	74 -9.1 33	92 -7 37	95 1.8 42	97 -4.2 62	109 -5.0 42	103 24.9 67	90 -3 43	86 -6 41	
CS 170168 85623866 MOOIBEKKIE CS170168	1	CS 100153 CS 110123		95 31	103 67	107 75	97 32	130 56	128 45	119 59	124 52	97 0.29 31	92 0.28 32	101 32	103 3.8 67	107 2.7 75	108 36 58	104 5.8 24	103 19 15	96 2.3 18	122 -24.4 62	124 -8.6 40	117 32.2 66	100 2 18	104 8 17	
CS 170213 85726735 MAGGIE CS170213		LCK 040002 CS 080088		128 36	78 68	71 74	129 37	117 59	107 47	97 61	101 54	123 -1.04 36	117 -0.43 35	71 21 37	78 -5.2 68	71 -5.7 74	66 -56 60	80 -6.3 32	67 -61 16	73 -6.4 18	117 -20.4 64	120 -7.6 46	99 22.8 67	71 -13 18	72 -16 18	
CS 170282 86160751 CS170282		LCK 040002 CS 150088		128 30	75 59	84 56	130 35	121 58	115 42	104 54	109 48	124 -1.06 30	115 -0.38 30	69 35	75 -6.1 59	84 -2.6 56	77 -31 50	80 -6.1 29	70 -55 11	78 -4.6 13	121 -23.8 63	111 -5.5 44	114 30.9 66	79 -8 14	78 -11 13	

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ID Number Name																								
CS 170293 86160850 MADONNA CS170293	2	CS 110056 CS 030066	101 37	93 69	107 74	102 42	96 57	94 47	94 61	93 54	101 0.07 37	96 0.15 36	96 2 42	93 0.3 69	107 2.6 74	102 22 62	94 0.7 38	109 32 22	108 6.9 24	81 9.3 63	107 -4.5 41	95 20.3 66	101 3 25	103 8 24
CS 170373 86161056 CS170373		CS 070312 CS 140302	97 28	99 69	94 76	100 26	97 54	91 44	95 58	92 51	96 0.33 28	103 -0.03 26	99 4 26	99 2.3 69	94 -0.4 76	94 6 57	96 1.5 28	92 -7 11	89 -0.6 12	101 -7.2 60	81 1.5 39	115 31.1 64	97 0 13	96 2 12
CS 170605 85623817 CS170605	3	CS 110045 CS 140190	119 28	81 65	82 72	124 32	112 55	106 44	98 57	102 50	115 -0.61 29	115 -0.39 26	77 -17 32	81 -4.0 65	82 -3.2 72	78 -31 56	83 -5.0 27	82 -27 12	91 0.3 15	118 -21.1 59	105 -3.9 39	108 27.5 66	80 -8 16	81 -9 15
CS 171303 85255602 CS171303	1	CS 100153 CS 110303	94 35	101 59	125 67	99 30	99 56	107 42	111 54	109 48	98 0.22 35	80 0.63 33	98 3 30	101 2.9 59	125 6.8 67	123 68 52	106 6.5 28	106 25 14	104 5.2 17	102 -8.0 62	96 -1.9 41	102 24.2 66	100 2 17	103 8 16
Q 170005 85316479 Q 170005		SK 060038 Q 090004	61 74	97 77	142 74	92 51	111 57	117 51	111 67	114 59	69 1.64 74	67 0.98 73	104 8 51	97 1.5 77	142 10.8 74	131 85 67	98 2.9 62	88 -15 19	106 6.2 20	91 1.3 65	116 -6.7 41	107 27.0 65	90 -3 21	96 2 20
Q 170099 86365996 Q 170099	1	Q 070062 Q 130047	75 75	107 77	112 72	87 51	96 55	93 50	96 66	94 58	76 1.29 75	98 0.11 77	111 15 51	107 4.9 77	112 3.7 72	109 38 67	100 3.8 68	89 -12 22	103 4.8 25	86 5.3 59	106 -4.2 41	93 19.6 65	89 -3 25	96 2 24
WT 170055 86065463 WT 170055		GA 110058 WT 130057	78 68	117 52	103 56	91 27	88 48	90 37	106 48	98 42	81 1.06 67	90 0.35 71	108 12 27	117 8.7 52	103 1.8 56	112 45 45	114 10.9 34	106 26 31	112 8.4 36	100 -6.4 52	81 1.5 31	98 22.2 61	108 6 37	109 12 35
CS 180005 86608973 ROXETTE CS180005	5	CS 080122 CS 090009	102 41	97 63	111 64	100 32	94 58	95 43	99 56	97 50	105 -0.14 41	83 0.55 39	98 3 32	97 1.7 63	111 3.5 64	108 35 53	100 3.9 36	101 14 17	109 7.2 21	93 -0.1 65	78 2.3 41	118 32.9 67	90 -3 21	95 1 20
CS 180009 86999307 TINKERBELL CS180009	14	CS 100153 CS 120246	93 27	105 70	93 78	107 37	119 54	118 46	117 60	118 53	94 0.43 27	94 0.23 25	94 -1 37	105 4.5 70	93 -0.6 78	101 20 62	105 6.5 13		115 -18.4 62	98 -2.4 33	130 39.4 66			
CS 180271 87888806 CS180271	2	CS 070312 CS 140063	85 36	110 58	109 60	89 31	105 56	104 41	106 53	105 47	88 0.71 36	88 0.40 33	109 13 31	110 6.2 58	109 3.0 60	110 40 50	107 7.3 28	106 26 13	102 4.6 16	94 -1.3 61	104 -3.9 43	107 27.1 64	99 1 16	102 7 16
EX 180225 86921848 EX 180225		EX 120209 EX 100052	96 43	99 79	97 78	78 56	96 57	80 52	69 68	72 60	96 0.30 43	96 0.16 41	125 27 56	99 2.2 79	97 0.3 78	86 -12 71	104 5.9 60	100 11 34	97 2.7 37	87 4.4 64	97 -2.2 41	102 24.4 66	96 0 38	94 0 37
EX 180258 87162137 RUSTY	4	EX 120209 EX 100159	98 44	95 79	122 80	77 62	101 57	94 53	78 70	84 62	102 0.02 45	80 0.63 42	124 27 62	95 0.9 79	122 6.1 80	103 24 74	106 6.5 61	117 49 33	113 8.9 37	92 0.2 64	99 -2.6 42	109 27.8 66	109 6 38	106 10 37

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ID Number Name																								
CS 190002 88611504 CS190002	1	CS 110056 CS 150294	85 33	111 70	109 74	93 52	116 57	117 49	118 63	118 56	89 0.66 33	81 0.60 31	104 9 52	111 6.5 70	109 3.2 74	114 49 65	112 9.8 33	111 37 15	109 7.0 19	105 -10.5 63	114 -6.1 43	111 29.1 64	105 5 19	109 11 18
CS 190005 88611520 MISSIE CS190005		CS 120013 CS 100158	91 25	105 68	123 78	88 63	129 53	130 49	118 63	125 56	95 0.37 26	82 0.55 22	109 13 63	105 4.5 68	123 6.3 78	118 58 70	108 7.8 19	116 48 11	111 8.1 12	105 -10.0 62	125 -8.8 38	123 35.5 59	113 9 13	115 16 12
CS 190016 90741760 ROMELIA		CS 120013 CS 090044	75 29	113 65	111 74	93 58	116 52	117 47	119 60	119 54	77 1.27 29	95 0.19 27	105 9 58	113 7.1 65	111 3.5 74	116 54 66	108 8.0 24	110 34 14	105 5.5 16	94 -1.3 58	118 -7.0 37	113 30.2 60	103 4 16	109 12 15
CS 190021 88833611 MAGENTA CS190021		CS 120013 CS 100025	81 27	116 68	114 77	92 58	126 51	130 48	129 62	131 55	85 0.86 28	84 0.50 24	106 10 58	116 8.2 68	114 4.2 77	121 64 68	114 10.9 20	114 42 12	107 6.6 13	100 -6.0 58	130 -9.8 37	116 31.9 59	109 7 13	113 15 13
CS 190075 89106694 CS190075		CS 080378 CS 130207	109 27	91 65	90 72	113 40	112 55	107 45	100 58	103 52	107 -0.22 28	107 -0.16 22	89 -5 40	91 -0.4 65	90 -1.4 72	88 -8 59	89 -1.8 26	85 -22 15	82 -3.1 18	108 -13.0 63	100 -2.9 38	117 32.3 63	85 -6 19	83 -8 18
CS 190076 89106702 CS190076		CS 080378 CS 110229	109 21	87 51	104 52	116 33	94 50	95 37	96 47	95 42	107 -0.24 22	105 -0.09 17	85 -9 33	87 -2.0 51	104 1.8 52	99 16 45	87 -2.8 20	93 -5 14	88 -0.7 17	98 -4.6 56	86 0.4 34	104 25.5 61	93 -1 18	92 -1 17
CS 190078 89106975 ESCOURT CS190078		CS 080378 CS 140003	123 30	77 56	92 54	122 32	99 54	95 39	88 51	90 45	119 -0.84 31	109 -0.20 26	79 -14 32	77 -5.7 56	92 -0.9 54	82 -22 47	79 -7.1 26	80 -33 18	76 -5.2 21	97 -3.6 61	95 -1.6 39	107 26.7 62	80 -8 21	79 -11 20
CS 190095 89107130 RAKA CS190095	2	CS 060045 CS 070006	83 47	121 63	93 66	99 43	100 61	103 47	120 59	112 53	85 0.86 48	94 0.23 44	99 4 43	121 9.9 63	93 -0.7 66	110 41 57	117 12.1 36	109 32 20	109 7.3 22	106 -11.1 66	97 -2.1 50	101 23.5 67	95 0 23	106 10 22
CS 190096 89107148 TINKERBELL CS190096	2	CS 060045 CS 080213	105 44	99 62	94 66	102 43	111 60	105 46	102 58	104 52	103 -0.03 45	104 -0.07 41	97 2 43	99 2.1 62	94 -0.5 66	94 6 57	96 1.9 34	100 12 22	97 2.6 26	106 -11.6 65	115 -6.4 48	100 23.0 66	80 -8 27	91 -2 26
CS 190107 89107254 ROXETTE CS190107		CS 080378 CS 110058	112 31	85 69	112 75	122 51	94 55	102 48	105 62	104 55	111 -0.44 32	99 0.08 27	77 -16 51	85 -2.8 69	112 3.8 75	109 39 65	89 -1.9 26	98 7 18	95 1.9 21	108 -13.0 62	76 2.7 39	111 29.2 64	95 0 21	95 2 20
CS 190112 89107296 RAKA CS190112		CS 080378 CS 120630	103 30	92 53	112 53	103 32	93 53	94 38	95 49	94 44	104 -0.07 31	93 0.24 25	96 1 32	92 -0.2 53	112 3.9 53	106 31 46	94 0.8 24	100 12 17	95 2.0 20	79 11.5 59	95 -1.6 36	105 25.9 63	95 0 21	96 2 20
CS 190128 89107437 CS190128	3	CS 070024 CS 140034	106 39	98 72	45 78	116 62	127 56	107 51	97 66	102 58	101 0.07 39	118 -0.45 37	88 -6 62	98 2.0 72	45 -11.7 78	54 -83 71	94 0.6 40	72 -50 12	85 -2.0 17	124 -25.9 62	134 -10.8 42	99 22.8 64	65 -16 18	71 -17 16

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ID Number Name																									
CS 190148 89107601 CS190148	1	CS 070024 CS 140029	127 34	80 70	45 76	135 53	126 56	108 49	101 63	104 56	122 -0.96 34	128 -0.74 32	64 -28 53	80 -4.4 70	45 -11.7 76	44 -105 66	77 -7.7 35	57 -83 15	66 -9.4 18	133 -33.5 62	130 -9.9 42	97 21.3 65	62 -17 18	60 -25 18	
CS 190152 91607333 CS 190152	2	CS 070024 CS 150008	114 34	82 62	71 62	115 32	104 55	88 42	78 55	82 48	111 -0.42 35	111 -0.27 32	88 -6 32	82 -3.6 62	71 -5.7 62	64 -61 52	81 -5.7 34	88 -16 11	90 -0.1 16	91 1.1 61	118 -7.1 40	92 18.7 63	79 -9 17	83 -8 15	
CS 190156 89107676 ESCOURT CS190156	3	CS 110056 CS 100124	95 32	105 63	87 61	110 41	111 56	109 44	110 56	110 50	95 0.37 33	97 0.14 30	92 -2 41	105 4.2 63	87 -2.0 61	95 8 55	101 4.1 28	106 26 11	102 4.6 15	105 -10.7 62	111 -5.5 41	104 25.5 64	102 3 15	102 7 14	
CS 190188 89107965 ROMELIA CS190188	1	CS 100070 CS 110155	86 28	106 60	101 63	113 37	97 54	104 42	114 54	109 48	88 0.72 28	90 0.34 28	89 -5 37	106 4.8 60	101 1.2 63	111 42 53	103 5.4 28	100 12 9	102 4.6 12	86 5.4 59	98 -2.5 38	105 25.7 64	94 -1 12	97 3 11	
CS 190210 89108252 CS190210	4	CS 110056 CS 100041	102 32	98 59	98 54	101 37	105 56	101 41	100 53	100 47	103 -0.03 33	93 0.24 29	97 2 37	98 1.8 59	98 0.4 54	97 11 50	97 2.4 28	105 23 8	107 6.4 14	101 -7.4 63	111 -5.5 41	96 21.0 64	101 3 14	97 3 13	
CS 190288 89311518 RAKA CS190288		CS 060045 CS 070228	109 44	99 71	91 78	111 57	136 60	133 52	120 66	127 59	109 -0.33 45	94 0.22 39	91 -4 57	99 2.2 71	91 -1.0 78	95 7 69	96 1.9 35	100 11 23	98 3.1 26	123 -25.5 66	135 -11.0 48	115 31.3 66	85 -5 26	90 -2 25	
CS 190290 89311526 ESCOURT CS190290	1	CS 060045 CS 060070	89 48	114 68	101 72	88 57	119 61	116 51	114 64	115 58	91 0.55 49	88 0.40 45	111 15 57	114 7.6 68	101 1.3 72	106 32 66	109 8.5 38	106 25 21	99 3.5 24	119 -22.3 66	122 -8.1 50	100 23.1 68	93 -2 24	101 6 23	
CS 190329 89108609 CS190329	4	CS 110056 CS 100419	90 32	100 67	104 72	94 44	100 54	96 46	96 60	95 53	92 0.51 33	90 0.32 29	103 8 44	100 2.5 67	104 2.0 72	101 21 61	101 4.2 28		102 4.4 5	96 -2.8 60	107 -4.5 39	95 20.4 64	106 5 7		
CS 190330 89108617 CS190330		CS 100430 CS 140319	102 18	94 62	85 70	96 33	76 41	64 39	71 52	65 46	99 0.17 19	110 -0.22 16	102 7 33	94 0.5 62	85 -2.4 70	81 -23 55	92 -0.4 21	88 -15 9	91 0.3 10	80 10.2 37	62 6.0 23	107 27.2 62	93 -2 10	92 -1 10	
CS 190333 89108641 CS190333		CS 100430 CS 090304	87 22	115 63	108 71	84 52	77 42	77 42	92 56	84 49	91 0.58 22	85 0.49 19	116 20 52	115 7.9 63	108 2.8 71	110 40 62	113 10.4 24			81 9.8 40	71 4.0 21	99 22.8 64			
CS 190627 89911861 MAK CS190627		CS 130056 CS 170063	110 25	91 65	103 74	120 60	138 52	138 47	132 61	136 54	109 -0.34 25	98 0.10 25	81 -13 60	91 -0.7 65	103 1.6 74	104 27 66	92 -0.1 26	94 -1 11	92 0.9 13	145 -43.6 60	135 -11.0 39	126 37.2 58	96 0 13	95 1 13	
Q 190056 88975446 Q 190056		Q 160029 Q 170035	59 52	142 75	143 68	72 47	114 49	132 46	138 62	136 54	50 2.61 53	57 1.27 44	130 33 47	142 17.4 75	143 11.0 68	147 120 63	143 25.2 62	127 71 21	119 11.0 24	96 58 58	122 -8.0 34	103 24.9 56	125 14 24	137 33 23	

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

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
	CS 200007 90309774 TINKERBELL CS200007		SW 130624 CS 120246	102 31	94 64	93 67	104 41	108 54	101 44	95 57	97 50	101 0.05 32	99 0.07 29	96 1 41	94 0.4 64	93 -0.6 67	90 -3 57	96 1.7 27	88 -14 15	90 -0.1 20	76 13.8 62	111 -5.4 40	116 31.9 60	84 -6 21	89 -3 19
	CS 200011 90358326 TINKERBELL CS200011		SW 130624 CS 160080	104 31	92 63	110 70	114 50	108 53	112 45	109 58	111 52	103 -0.02 32	101 0.02 27	87 -7 50	92 -0.3 63	110 3.3 70	108 36 61	93 0.3 25	100 11 23	102 4.5 28	109 -13.8 62	109 -5.1 38	99 22.7 59	96 0 29	97 3 27
	CS 200030 90501206 CS200030	1	CS 100070 CS 130011	88 28	112 66	95 72	112 50	112 55	118 47	126 60	123 54	90 0.63 28	94 0.24 26	90 -5 50	112 7.0 66	95 -0.2 72	110 41 63	108 8.0 28	101 13 7	101 4.3 11	116 -19.4 62	100 -2.9 39	113 30.4 63	94 -1 11	99 4 10
	CS 200040 90501305 CS200040		CS 110056 CS 080208	109 32	85 58	94 55	122 35	97 55	97 41	96 52	96 46	109 -0.32 33	98 0.11 26	79 -14 35	85 -2.8 58	94 -0.4 55	91 -2 49	87 -2.8 31	95 0 20	91 0.5 23	72 16.8 61	104 -3.8 41	106 26.3 63	91 -3 24	89 -3 23
	CS 200041 90501313 MAGENTA CS200041		SW 130624 CS 110059	95 33	105 63	95 67	85 44	114 54	103 44	94 57	98 50	96 0.34 34	95 0.21 29	115 19 44	105 4.5 63	95 -0.2 67	93 2 58	104 5.5 26	106 25 16	100 3.8 21	80 10.0 62	130 -9.9 40	105 25.7 61	98 1 22	102 7 20
	CS 200049 90501396 ROXETTE CS200049	3	CS 130145 CS 150606	121 26	68 62	130 66	115 38	107 53	111 43	93 55	101 49	120 -0.87 26	96 0.18 24	85 -9 38	68 -8.7 62	130 8.0 66	107 34 55	78 -7.2 28	83 -27 7	87 -1.1 12	110 -14.6 63	99 -2.5 37	109 28.2 60	77 -9 13	79 -11 12
	CS 200059 90633645 MISSIE CS200059		SW 130624 CS 120241	88 26	109 62	132 67	84 38	120 54	125 43	117 56	122 50	94 0.44 27	75 0.77 24	114 18 38	109 5.9 62	132 8.4 67	125 74 56	111 9.4 24	125 66 18	109 7.2 23	97 -3.5 62	129 -9.8 38	107 26.8 61	116 10 24	117 18 22
	CS 200064 90633694 LENA CS200064		SW 130624 CS 150043	105 28	96 58	110 60	106 39	115 53	117 41	110 53	114 47	106 -0.16 28	91 0.30 26	94 0 39	96 1.2 58	110 3.2 60	107 34 52	98 2.7 25	103 19 16	100 3.7 20	101 -7.1 61	115 -6.5 38	111 28.9 59	98 1 21	100 5 19
	CS 200073 90633769 TINKERBELL CS200073	4	CS 110045 CS 150294	108 32	92 60	83 64	97 50	124 54	107 44	92 57	98 50	106 -0.18 33	106 -0.13 30	102 6 50	92 -0.3 60	83 -3.0 64	78 -31 58	93 0.5 28	82 -28 24	92 0.7 31	127 -28.7 60	123 -8.3 40	103 24.8 63	75 -10 32	80 -10 30
	CS 200076 90633785 VINE CS200076	1	CS 060045 CS 080002	93 45	106 65	106 67	107 50	111 60	116 48	118 61	118 54	96 0.31 46	83 0.54 40	93 -1 50	106 4.6 65	106 2.4 67	113 46 61	105 6.2 34	107 26 22	103 4.9 25	85 6.6 66	116 -6.7 48	111 28.9 65	91 -3 26	97 3 25
	CS 200079 90633819 ROMELIA CS200079	1	CS 100070 CS 110155	83 28	108 62	106 67	113 43	103 53	112 44	122 56	118 50	86 0.80 28	87 0.42 28	88 -6 43	108 5.4 62	106 2.4 67	117 56 57	105 6.5 28	100 12 9	102 4.7 12	100 -6.1 59	101 -3.2 38	104 25.2 62	94 -1 12	97 3 11
	CS 200083 90633850 MAGGIE CS200083		SW 130624 CS 120657	90 32	103 61	105 67	84 40	118 53	109 43	96 56	102 50	92 0.50 32	90 0.35 30	116 20 40	103 3.6 61	105 2.2 67	98 15 56	106 6.6 30	103 19 27	109 7.3 34	98 -4.9 61	124 -8.4 39	109 28.1 60	85 -6 35	100 5 33

Breeding Values and Accuracies: Cows

Green: >120 High
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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																						
CS 200088		CS 100070																				
90633892		MAK 080286																				
MAK CS200088																						
CS 200106		CS 130145																				
90638180	6	CS 150040																				
VINE CS200106																						
CS 200109		SW 130624																				
90638222		CS 110298																				
MADONNA CS200109																						
CS 200123		CS 070024																				
90638289	2	CS 120091																				
VINE CS200123																						
CS 200128		SW 130624																				
90836198		CS 110039																				
ESCOURT CS200128																						
CS 200160		CS 110056																				
90836305	2	CS 090060																				
ROSE CS200160																						
CS 200183		SW 130624																				
90836628		CS 110054																				
ESCOURT CS200183																						
CS 200184		SW 130624																				
90836636		CS 150130																				
ROSE CS200184																						
CS 200190		CS 100070																				
90836693		MAK 080242																				
MAK CS200190																						
CS 200255		CS 110056																				
91410779		CS 150204																				
VINE CS200255																						
CS 200311		CS 100070																				
90633991		CS 140331																				
CS200311																						
CS 200313		CS 110056																				
90836826	4	CS 080369																				
CS200313																						

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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																								
CS 200333 90836982 CS200333		CS 160177 CS 170321	83 22	119 60	121 65	89 35	111 51	119 41	127 53	124 47	89 0.69 23	75 0.77 20	108 12 35	119 9.4 60	121 5.9 65	128 80 53	118 12.7 20	129 77 10	114 9.1 13	108 -12.5 60	101 -3.1 36	115 31.1 57	122 13 13	124 23 12
EX 200018 90042060 PEDI 9015		SW 100012 EX 130276	110 45	88 77	120 72	114 55	88 56	97 50	100 66	98 58	110 -0.37 46	94 0.22 38	86 -8 55	88 -1.5 77	120 5.6 72	114 49 68	87 -2.7 64	95 1 42	109 7.1 45	76 13.9 64	91 -0.9 41	101 24.0 63	88 -4 48	78 -12 46
EX 200261 90548751 SKEW		EX 170210 EX 090038	114 43	103 67	65 72	85 60	123 52	99 48	83 62	89 55	108 -0.28 44	123 -0.59 40	117 21 60	103 3.7 67	65 -7.1 72	67 -55 66	105 6.4 47	115 45 41	110 7.7 44	131 -32.4 63	108 -4.7 35	117 32.2 59	117 10 46	112 14 45
EX 200330 90548835 EX 200330	1	EX 130216 EX 160516	97 42	110 67	87 70	111 57	85 45	88 45	105 59	97 52	97 0.29 42	100 0.05 41	91 -3 57	110 6.0 67	87 -2.0 70	100 19 65	105 6.2 36	105 23 23	113 8.7 24	83 8.2 47	90 -0.6 29	93 19.4 58	96 0 27	98 4 26
EX 200517 90445693 EX 200517	1	EX 170520 EX 180140	86 28	131 68	97 57	103 31	90 39	102 37	132 52	119 44	90 0.62 28	83 0.53 27	96 1 31	131 13.5 68	97 0.2 57	124 71 52	127 17.3 41	120 57 21	142 19.8 26	96 -3.2 36	82 1.3 31	102 24.5 51	110 7 26	120 20 25
LEB 200049 90931908 LEB200049		T 100315 BN 140041	108 74	97 73	106 66	95 30	112 52	108 44	101 60	104 52	109 -0.33 76	90 0.33 65	102 7 30	97 1.6 73	106 2.5 66	101 21 56	95 1.4 62	98 6 43	79 -4.3 46	115 -18.4 60	116 -6.7 38	96 21.2 58	102 3 46	96 2 45
CS 210005 91979450 MISSIE CS210005		CS 080378 CS 190005	101 24	94 71	124 61	97 45	107 51	110 44	105 59	107 52	104 -0.06 25	87 0.43 20	99 4 45	94 0.4 71	124 6.6 61	115 52 59	97 2.1 18	110 34 15	102 4.6 18	99 -5.8 60	105 -4.1 35	107 27.2 59	106 5 18	106 9 17
CS 210017 91977512 SNYBERG CS210017		SW 130624 CS 110027	121 24	75 69	94 53	122 34	113 52	108 41	94 55	100 48	118 -0.75 24	110 -0.24 22	79 -15 34	75 -6.1 69	94 -0.3 53	83 -19 52	80 -6.5 24	73 -48 16	73 -6.5 21	104 -9.8 61	124 -8.5 36	96 20.8 59	83 -7 22	80 -10 20
CS 210037 92028323 RAKA CS210037		SW 130624 CS 120630	107 29	85 68	107 53	101 31	114 51	106 40	92 54	98 47	106 -0.18 30	101 0.03 27	97 2 31	85 -2.8 68	107 2.6 53	94 5 51	88 -2.3 34	90 -11 18	89 -0.5 22	98 -4.7 59	125 -8.7 35	99 22.6 59	88 -4 23	90 -3 21
CS 210060 92164722 VINE CS210060	6	CS 130145 CS 150040	112 28	72 70	144 51	110 26	82 51	92 39	86 54	87 46	114 -0.58 28	83 0.53 27	89 -5 26	72 -7.2 70	144 11.4 51	121 65 49	82 -5.1 34		82 9.1 62	77 2.5 34	102 24.2 58			
CS 210083 92164821 TINKERBELL CS210083	4	CS 070024 CS 130623	112 30	92 72	49 61	125 40	109 53	95 44	94 59	94 52	108 -0.26 31	115 -0.37 28	77 -16 40	92 -0.2 72	49 -10.8 61	56 -79 58	89 -1.7 30		105 -10.0 61	124 -8.5 37	88 16.8 62	78 -9 5		
CS 210084 92164839 CS210084	2	CS 160211 CS 190627	101 22	102 68	115 45	100 32	124 46	127 37	121 52	125 44	103 -0.04 22	85 0.48 20	97 2 32	102 3.2 68	115 4.6 45	115 52 48	103 5.5 16		102 4.5 6	113 -17.1 56	122 -7.9 31	114 30.5 52	101 2 6	102 7 5

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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																										
CS 210110 92286848 VINE CS210110		SW 130624 CS 190038		108 25	88 71	101 59	108 39	108 50	103 42	94 57	98 50	106 -0.20 26	102 0.01 23	93 -1 39	88 -1.8 71	101 1.2 59	93 3 56	89 -1.7 22	87 -16 16	87 -1.3 20	103 -8.6 60	118 -7.0 34	93 19.4 57	83 -6 21	85 -6 20	
CS 210120 92286939 VINE CS210120	5	CS 110056 CS 090265		86 34	110 73	111 62	93 39	104 55	106 45	111 60	109 52	90 0.60 35	79 0.65 31	105 9 39	110 6.2 73	111 3.5 62	114 49 58	114 10.8 39	115 45 9	114 9.1 14	108 -13.0 62	111 -5.6 39	89 17.4 63	109 7 15	109 12 13	
CS 210149 92287200 AMELIA CS210149	13	CS 080378 CS 090152		117 19	75 70	132 61	118 35	92 51	102 42	97 56	99 49	118 -0.78 23		82 -12 35	75 -6.3 70	132 8.6 61	117 56 55	83 -4.9 22			98 -4.5 63	90 -0.6 28	97 21.8 61			
CS 210240 92510205 MAK CS210240		CS 160177 CS 160042		90 22	113 71	116 59	98 36	102 50	111 42	122 57	117 50	94 0.43 23	83 0.53 20	99 4 36	113 7.1 71	116 4.7 59	124 70 55	111 9.1 30	116 48 13	106 6.0 16	100 -5.9 60	100 -2.9 34	104 25.5 57	108 6 16	110 12 15	
CS 210244 92584689 CS210244	1	CS 160177 CS 170031		95 28	111 55	116 49	91 26	103 50	108 36	113 47	111 42	98 0.21 29	82 0.57 23	106 11 26	111 6.6 55	116 4.7 49	118 58 43	111 9.2 22	120 56 18	113 8.9 22	89 2.5 60	109 -4.9 35	103 24.5 56	113 9 22	112 14 21	
CS 210304 92028380 CS210304	2	CS 070024 CS 130374		98 31	98 70	77 52	116 34	98 54	93 42	97 56	95 49	98 0.25 32	102 -0.02 29	87 -7 34	98 2.0 70	77 -4.3 52	84 -18 52	99 3.4 42	95 2 14	97 2.6 17	100 -6.4 61	114 -6.3 39	79 12.1 62	90 -3 18	96 2 17	
CS 210305 92028398 CS210305	1	CS 110056 CS 090390		116 36	82 73	80 62	122 44	90 54	83 45	83 61	81 53	113 -0.52 36	110 -0.24 33	80 -13 44	82 -3.9 73	80 -3.7 62	74 -38 60	81 -6.0 40	80 -32 31	84 -2.3 37	105 -10.5 61	98 -2.4 40	81 12.9 62	90 -3 38	83 -8 36	
CS 210322 92287515 CS210322	2	CS 140348 CS 130365		67 20	140 67	102 42	76 16	86 47	90 34	110 49	100 42	73 1.48 21	78 0.67 16	129 31 16	140 16.6 67	102 1.5 42	118 57 42	131 19.6 28			84 6.8 58	86 0.4 28	99 22.4 56			
CS 210332 92287606 CS210332	2	CS 140348 CS 140319		84 19	112 71	102 57	87 20	65 46	64 37	83 52	72 44	86 0.80 20	93 0.26 16	113 17 20	112 6.9 71	102 1.5 57	105 28 49	109 8.4 30			77 12.8 58	53 8.1 25	99 22.8 54			
CS 220001 92930213 ESCOURT CS220001		SW 130624 CS 090209		115 31	78 60	102 61	117 39	124 55	120 42	99 54	109 48	112 -0.50 32	107 -0.14 25	85 -9 39	78 -5.3 60	102 1.5 61	90 -4 53	79 -6.6 26	88 -14 23	82 -2.9 28	103 -8.7 65	136 -11.2 39	104 25.4 60	78 -9 29	80 -10 27	
CS 220004 93788784 MAGENTA CS220004		EX 120209 CS 090155		102 46	88 64	112 66	101 49	103 57	100 46	93 59	95 52	105 -0.12 47	85 0.47 42	97 2 49	88 -1.7 64	112 3.9 66	101 21 60	96 1.8 44	105 24 35	93 1.1 39	92 0.2 64	105 -4.1 43	104 25.4 63	95 0 40	92 -1 39	
CS 220008 93557551 TINKERBELL CS220008	1	EX 120209 CS 090136		108 46	89 64	95 66	88 49	117 57	101 46	81 59	89 52	107 -0.23 47	101 0.02 43	111 15 49	89 -1.2 64	95 -0.1 66	82 -21 60	92 -0.1 44	100 11 35	87 -1.4 39	94 -1.7 64	124 -8.4 43	109 27.8 63	87 -5 41	85 -7 39	

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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																										
CS 220014		SW 120433		91	107	93	76	103	88	76	80	90	104	129	107	93	87	102	110	109	110	96	104	97	103	
93558039		CS 100611		31	68	59	35	51	42	56	49	0.62	-0.07	32	5.0	-0.7	-11	4.9	34	7.3	-14.8	-2.0	25.3	1	7	
RAKA CS220014												32	27	35	68	59	54	24	16	19	59	35	58	20	18	
CS 220015	1	EX 120209		106	86	100	96	115	103	87	94	106	99	102	86	100	87	90	95	86	95	123	105	83	80	
93558047		CS 080248		46	60	60	44	56	44	56	50	-0.17	0.08	6	-2.4	1.0	-10	-1.1	1	-1.6	-2.5	-8.2	26.1	-6	-10	
FAIRY CS220015												47	42	44	60	60	55	44	36	40	64	41	62	41	39	
CS 220018		SW 130624		93	106	121	89	117	120	114	117	97	81	108	106	121	118	107	115	102	96	122	110	109	108	
93558070		CS 120241		26	68	53	32	51	40	54	47	0.27	0.59	13	4.7	6.0	57	7.2	46	4.5	-3.2	-8.0	28.7	6	11	
MOOIBEKKIE CS220018												27	24	32	68	53	51	24	18	23	62	34	58	24	22	
CS 220028	4	EX 120209		96	100	101	88	125	115	99	107	98	89	111	100	101	95	104	105	96	97	134	111	97	95	
93595338		CS 100025		47	65	67	52	57	47	60	54	0.24	0.37	15	2.7	1.2	8	5.9	23	2.2	-3.5	-10.9	29.1	0	1	
MAGENTA CS220028												48	44	52	65	67	61	44	31	35	64	43	63	36	34	
CS 220033	2	EX 180022		102	99	93	114	95	97	104	100	102	99	88	99	93	99	97	94	100	90	96	99	80	88	
93680601		CS 110065		35	67	50	33	48	39	53	46	0.03	0.09	-6	2.4	-0.6	15	2.3	-2	3.8	1.8	-2.1	22.8	-8	-4	
TINKERBELL CS220033												35	33	33	67	50	50	36	37	44	57	32	55	45	43	
CS 220035	2	EX 180022		87	113	108	110	100	111	124	119	91	83	92	113	108	122	111	109	112	97	94	108	103	103	
93680643		CS 200030		29	67	46	33	46	38	51	44	0.58	0.53	-3	7.0	3.0	66	9.2	32	8.2	-3.4	-1.6	27.7	3	7	
CS220035												29	27	33	67	46	49	29	27	33	56	28	53	34	32	
CS 220036	2	CS 160177		79	126	123	78	117	123	123	124	86	70	123	126	123	126	124		121	92	122	112	127	127	
93680874		CS 190005		21	70	60	44	48	42	57	50	0.83	0.90	26	11.6	6.4	76	15.9		11.6	0.4	-8.0	29.6	15	26	
MISSIE CS220036												22	18	44	70	60	58	18		9	60	30	54	10	8	
CS 220039	2	CS 160177		89	116	102	91	107	107	114	111	92	88	107	116	102	111	112			97	105	109	107		
93680908		CS 130207		24	55	51	29	50	37	48	42	0.53	0.40	11	8.4	1.5	41	10.0		-4.1	-4.0	27.8	5			
CS220039												25	20	29	55	51	45	20		62	31	56	6			
CS 220047	1	EX 180006		71	139	127	81	101	116	136	128	79	66	119	139	127	141	133	137	134	87	98	111	136	139	
93680684		CS 160227		30	68	51	29	48	38	53	46	1.16	1.02	22	16.3	7.2	107	20.3	95	16.9	4.7	-2.4	28.9	20	34	
RAKA CS220047												31	26	29	68	51	49	32	28	34	58	32	54	35	33	
CS 220052	1	EX 120209		109	82	116	83	119	105	77	89	109	94	116	82	116	91	90	101	87	103	127	104	87	85	
93680734		CS 090094		46	74	67	48	56	48	63	56	-0.32	0.22	20	-3.6	4.7	-1	-1.5	13	-1.0	-8.3	-9.3	25.4	-4	-6	
ESCOURT CS220052												47	42	48	74	67	63	44	35	39	64	41	62	41	39	
CS 220054	1	EX 180006		98	104	130	95	110	119	119	120	102	76	101	104	130	128	105	112	120	96	107	113	114	115	
93680759		CS 150043		29	67	50	28	47	38	52	45	0.02	0.72	6	4.1	8.0	79	6.3	38	11.3	-2.6	-4.6	30.0	9	17	
CS220054												30	26	28	67	50	48	32	29	35	58	29	53	35	33	
CS 220055		EX 180006		98	102	114	114	102	113	120	117	100	91	87	102	114	121	100	98	107	101	93	110	107	107	
93680767		CS 150070		27	70	60	38	49	42	56	49	0.13	0.32	-7	3.3	4.3	64	3.6	8	6.4	-7.2	-1.2	28.7	5	10	
CS220055												28	24	38	70	60	56	32	29	34	58	34	55	35	33	

Green: >120 High
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Value <80 Value >120

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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
CS 220065 93680866 ROSE CS220065	1	EX 180006 CS 150168	107 27	82 70	132 60	108 38	124 49	130 42	110 56	120 49	108 -0.27 28	91 0.31 23	92 -3 38	82 -3.8 70	132 8.5 60	117 55 56	85 -3.8 32	94 -1 29	103 5.0 34	120 -22.7 60	119 -7.3 34	113 30.1 54	95 0 35	97 3 33	
CS 220072 93870095 VINE CS220072	1	CS 160177 CS 150204	83 29	119 69	118 50	88 31	108 51	114 40	121 54	119 47	88 0.70 30	74 0.79 27	110 14 31	119 9.2 69	118 5.3 50	124 72 50	120 14.0 26	124 64 12	113 8.8 16	91 1.2 61	109 -5.0 35	109 28.3 56	112 8 16	115 17 15	
CS 220073 93870103 AMY CS220073	5	CS 160177 CS 140207	94 21	104 72	123 60	108 35	96 48	109 41	117 56	114 48	97 0.26 23	82 0.57 14	92 -2 35	104 3.9 72	123 6.4 60	127 77 56	105 6.1 18	104 5.2 9	82 8.5 61	97 -2.2 27	106 26.3 56	99 2 11	101 6 8		
CS 220074 93870111 CS220074		SW 120433 CS 110608	99 25	91 63	110 44	92 20	100 37	93 32	86 46	88 39	100 0.13 26	95 0.20 23	106 10 20	91 -0.5 63	110 3.3 44	98 14 42	94 0.8 32	96 3 10	92 0.9 12	100 -6.2 36	98 -2.4 20	103 24.6 54	97 1 13	98 3 12	
CS 220078 93870152 TINKERBELL CS220078		SW 120433 CS 090034	113 37	84 66	108 48	97 28	118 50	109 38	91 52	99 45	112 -0.50 38	98 0.11 30	100 5 28	84 -3.2 66	108 2.8 48	93 2 47	84 -4.4 36	101 13 18	95 1.7 22	104 -9.3 60	121 -7.7 34	109 28.0 57	90 -3 23	89 -3 21	
CS 220090 93870277 TINKERBELL CS220090	5	EX 120209 CS 100234	88 48	109 73	104 58	87 43	116 55	111 45	105 60	108 52	92 0.53 48	82 0.56 45	112 16 43	109 5.8 73	104 1.8 58	104 26 58	113 10.1 44	109 32 31	101 4.0 35	92 0.4 64	125 -8.7 39	106 26.7 62	100 2 37	97 3 35	
CS 220127 93870590 MAK CS220127	2	CS 160177 CS 190627	89 22	118 68	113 49	94 36	127 48	133 39	134 53	135 46	93 0.45 22	79 0.66 19	103 8 36	118 8.8 68	113 4.0 49	123 68 51	116 11.7 19	109 7.1 7	112 -15.8 61	121 -7.9 30	121 34.5 53	115 10 8	114 16 6		
CS 220132 93870632 CS220132	2	CS 160177 CS 190002	71 24	135 69	114 49	82 32	102 48	111 39	127 53	120 46	79 1.17 25	68 0.97 21	119 22 32	135 15.0 69	114 4.3 49	128 81 50	132 19.6 22	121 11.9 10	87 4.6 60	101 -3.1 31	110 28.4 54	125 14 10	127 25 9		
CS 220142 93870731 CS220142	2	EX 180006 CS 140029	114 28	88 70	115 59	115 33	124 50	128 41	116 56	122 48	115 -0.62 29	91 0.31 26	86 -8 33	88 -1.7 70	115 4.5 59	110 40 54	90 -1.2 34	86 -18 28	98 3.0 34	115 -18.7 59	129 -9.7 36	103 25.0 55	98 1 35	94 1 33	
CS 220147 93870780 RAKA CS220147	1	EX 120209 CS 090226	106 46	85 74	114 62	96 44	118 56	111 46	94 62	102 54	107 -0.24 47	92 0.29 42	101 6 44	85 -2.5 74	114 4.3 62	99 16 60	93 0.0 44	99 10 35	88 -0.7 38	94 -1.3 65	120 -7.6 42	115 31.2 62	90 -3 40	86 -5 38	
CS 220150 93870814 ROMELIA CS220150	2	CS 160177 CS 190016	79 22	118 66	120 49	87 35	104 46	110 38	118 52	115 45	83 0.94 23	80 0.62 20	111 15 35	118 9.1 66	120 5.7 49	125 73 50	116 11.6 18	110 7.4 6	77 12.7 59	108 -4.7 27	111 29.3 53	114 9 7	116 17 5		
CS 220151 93870822 MAK CS220151		XA 160036 CS 200190	90 42	121 61	120 38	91 25	108 45	118 34	129 47	125 40	95 0.37 44	74 0.78 29	106 10 25	121 10.1 61	120 5.6 38	130 83 41	124 15.6 36	118 51 9	110 7.7 10	113 -16.6 57	107 -4.4 27	100 23.1 52	116 10 11	117 18 10	

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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																										
CS 220172 93871028 MOOIBEKKIE CS220172	1	CS 160177 CS 170168	82 23	123 66	116 50	87 25	117 49	124 37	128 51	127 44	88 0.73 23	76 0.74 21	111 15 25	123 10.7 66	116 4.6 50	125 72 47	121 14.2 18	124 64 7	108 6.9 11	101 -7.2 60	120 -7.6 31	110 28.3 55	115 10 12	117 18 11		
CS 220222 94008612 RALLIE CS220222		SW 120433 CS 080179	105 33	86 58	106 58	103 35	107 49	102 39	92 51	96 45	105 -0.10 34	100 0.06 26	96 1 35	86 -2.4 58	106 2.5 58	95 8 50	87 -2.8 24	99 9 17	92 0.7 20	96 -3.3 59	104 -3.8 32	111 29.3 56	92 -2 21	93 -1 20		
CS 220231 94008703 TINKERBELL CS220231		SW 120433 CS 160145	93 32	105 49	107 42	88 27	108 49	104 34	101 44	102 39	96 0.32 33	86 0.46 30	111 14 27	105 4.3 49	107 2.6 42	104 27 39	106 6.9 26	107 27 14	101 4.1 17	102 -7.7 59	95 -1.8 33	120 33.7 56	101 3 17	103 7 16		
CS 220232 94008711 CS220232	6	CS 160177 CS 190082	88 20	114 52	126 47	82 27	98 46	103 34	107 44	105 39	94 0.40 22	71 0.88 13	117 21 27	114 7.5 52	126 7.0 47	123 68 42	113 10.4 12			90 2.2 60	90 -0.5 24	113 30.1 54				
CS 220276 94204005 TINKERBELL CS220276		EX 180006 CS 140180	100 34	101 58	102 57	107 32	127 50	127 39	118 51	123 45	99 0.15 35	98 0.10 30	94 -1 32	101 2.8 58	102 1.4 57	104 28 49	98 2.9 34	101 13 29	115 9.7 35	114 -17.7 59	131 -10.1 36	108 27.5 55	101 3 35	105 9 33		
CS 220295 94387636 LENA CS220295		SW 130624 CS 060068	98 34	109 56	116 53	86 35	115 53	115 39	110 51	113 45	101 0.05 35	81 0.60 31	113 16 35	109 5.6 56	116 4.8 53	113 47 48	109 8.3 28	113 41 20	103 4.9 25	97 -3.7 63	123 -8.4 37	104 25.4 59	110 7 25	109 11 24		
CS 220300 92930239 CS220300	2	EX 120209 CS 100422	92 42	110 57	111 56	78 37	104 53	99 41	91 52	94 46	96 0.34 42	81 0.60 40	125 27 37	110 6.0 57	111 3.6 56	105 28 50	113 10.4 42	115 45 33	94 1.6 37	80 10.4 61	112 -5.8 37	106 26.3 60	116 10 39	110 12 37		
CS 220307 93680965 CS220307		EX 180006 CS 080381	112 31	88 69	107 52	115 30	111 50	113 40	106 54	109 47	113 -0.50 32	90 0.32 24	87 -7 30	88 -1.6 69	107 2.7 52	103 24 50	88 -2.4 33	87 -17 32	95 2.1 38	95 -1.9 61	114 -6.1 34	108 27.7 56	94 -1 39	90 -3 37		
CS 220311 93869824 CS220311		SW 120433 CS 070306	100 34	95 65	98 46	89 28	104 51	93 38	84 52	87 45	97 0.26 34	109 -0.21 31	109 13 28	95 0.7 65	98 0.6 46	90 -5 46	95 1.0 36	97 4 17	102 4.6 20	110 -14.3 61	102 -3.4 34	100 23.3 58	87 -5 21	92 -1 20		
CS 220354 94387651 CS220354	2	EX 120209 CS 100422	99 42	99 71	114 56	81 37	95 53	88 43	80 58	83 50	102 0.01 42	84 0.51 40	120 23 37	99 2.1 71	114 4.4 56	101 21 55	105 6.0 42	107 27 33	88 -0.7 37	84 6.9 61	91 -0.9 37	109 27.9 61	110 7 39	102 7 37		
CS 220606 94562121 ESCOURT CS220606	3	EX 120209 CS 100124	94 46	99 72	101 58	86 42	111 56	100 45	89 60	93 52	96 0.34 46	92 0.29 44	114 18 42	99 2.4 72	101 1.2 58	93 4 57	103 5.1 44	104 20 32	96 2.1 35	103 -8.4 64	107 -4.5 41	111 29.1 62	95 0 36	94 0 35		
CS 230001 94653482 TINKERBELL CS230001		SW 120433 CS 030062	105 40	91 53	81 49	101 37	110 51	95 38	86 49	89 44	101 0.08 41	115 -0.38 38	98 3 37	91 -0.6 53	81 -3.5 49	76 -34 46	89 -2.0 34	87 -17 22	99 3.5 25	112 -16.2 61	103 -3.6 35	108 27.6 57	79 -9 25	81 -10 24		

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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																								
CS 230008 95295606 CS230008	5	EX 090200 EX 200261	112 36	91 71	98 56	99 46	106 49	99 43	92 58	94 50	111 -0.41 36	103 -0.03 33	99 3 46	91 -0.6 71	98 0.6 56	91 -2 58	96 1.6 43	94 0 25	90 -0.1 34	93 -0.7 61	98 -2.3 29	119 33.1 57	94 -1 31	88 -4 30
CS 230011 95291993 TINKERBELL CS230011	2	EX 160001 CS 090136	123 43	79 62	97 60	123 42	131 52	128 43	110 55	119 49	121 -0.94 44	99 0.08 36	77 -16 42	79 -4.9 62	97 0.2 60	89 -6 55	80 -6.4 42	90 -9 25	98 2.8 38	133 -33.4 62	130 -9.9 35	107 26.7 58	89 -4 31	88 -4 30
CS 230018 95355699 MEDUSA CS230018	4	EX 160001 CS 110077	124 42	79 62	81 59	119 42	132 51	121 42	99 55	109 48	124 -1.06 43	101 0.03 38	83 -11 42	79 -4.7 62	81 -3.5 59	72 -44 54	79 -6.6 42	86 -19 20	101 4.0 34	143 -41.6 62	128 -9.3 34	106 26.2 58	91 -3 26	88 -4 24
CS 230019 95355707 CS230019	3	CS 130145 CS 150606	113 26	80 69	124 50	114 30	99 49	105 39	98 53	101 46	113 -0.52 26	93 0.25 24	86 -8 30	80 -4.4 69	124 6.6 50	111 43 50	87 -2.5 28	86 -19 7	90 0.0 12	99 -5.1 61	92 -1.0 30	108 27.3 56	80 -8 13	82 -9 12
CS 230025 95355764 MAGENTA CS230025	3	CS 130145 CS 120031	125 29	66 68	109 49	119 33	94 50	90 39	77 53	82 46	124 -1.06 30	104 -0.05 27	82 -12 33	66 -9.5 68	109 3.2 49	87 -10 50	73 -9.6 28		75 -5.8 8	88 3.7 61	100 -2.8 31	96 20.9 57	72 -12 10	71 -17 8
CS 230028 95355798 TINKERBELL CS230028		SW 130624 CS 110016	103 28	99 69	94 55	101 37	118 51	112 41	106 56	109 48	103 0.00 28	97 0.13 27	98 3 37	99 2.4 69	94 -0.3 55	95 7 54	99 3.5 28	94 -1 17	92 0.6 22	98 -5.0 63	128 -9.5 33	103 25.0 57	95 -1 22	94 0 21
CS 230032 95355830 MAK CS230032		XA 160036 CS 130011	103 42	109 69	110 49	103 28	107 45	114 38	121 52	118 45	105 -0.13 45	89 0.37 30	96 1 28	109 5.8 69	110 3.3 49	118 57 49	111 9.3 38	108 29 10	101 4.1 12	101 -7.0 58	101 -3.1 25	111 28.9 53	110 7 12	110 12 11
CS 230037 95451944 CS230037	2	CS 160177 CS 190005	75 21	131 68	121 51	81 38	108 47	118 39	127 53	124 46	83 0.98 22	69 0.94 18	119 23 38	131 13.4 68	121 6.0 51	130 85 52	128 18.0 18		121 11.7 9	75 14.1 61	112 -5.7 28	116 31.9 53	127 15 10	128 26 8
CS 230038 95451951 MAK CS230038		XA 160036 MAK 090382	109 42	103 68	101 46	103 19	102 42	104 35	108 49	106 42	109 -0.33 44	93 0.25 29	96 1 19	103 3.7 68	101 1.3 46	105 29 44	106 6.5 36	95 1 8	91 0.2 10	102 -7.7 55	107 -4.6 17	95 20.6 53	102 3 10	99 4 9
CS 230052 95452090 CS230052	2	CS 160177 CS 130207	85 24	123 69	100 51	91 29	104 48	107 38	120 53	114 46	88 0.73 25	86 0.45 20	108 12 29	123 10.7 69	100 1.0 51	114 49 50	118 12.6 20		89 2.8 63	102 -3.3 28	113 29.9 54	107 5 6		
CS 230054 95452108 RAKA CS230054		SW 130624 CS 120613	100 26	93 69	120 54	101 32	108 50	110 40	105 54	107 47	101 0.07 27	92 0.29 24	97 2 32	93 0.0 69	120 5.8 54	113 46 52	97 2.1 28	102 16 17	98 3.2 22	103 -8.4 62	109 -5.0 31	103 24.7 56	95 -1 23	99 5 21
CS 230062 95452173 CS230062		XA 160036 CS 140027	93 45	124 70	100 47	95 26	107 46	113 38	128 52	122 45	97 0.28 47	81 0.58 33	103 7 26	124 11.2 70	100 1.1 47	118 57 48	126 17.0 46	110 34 11	107 6.6 13	104 -9.5 59	105 -4.1 27	105 25.8 53	105 4 14	109 12 13

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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
CS 230063 95452181 MAGENTA CS230063	EX 160001 CS 090144			119 39	79 73	109 56	119 35	109 49	111 42	101 57	105 50	120 -0.87 40	89 0.35 32	81 -13 35	79 -4.7 73	109 3.1 56	99 17 55	83 -5.0 42	95 0 25	102 4.4 37	96 -3.0 61	110 -5.3 30	107 27.1 57	100 2 31	96 2 29
CS 230066 95452215 ROMELIA CS230066	2 EX 160001 CS 080208			123 42	75 72	94 56	129 36	127 51	124 42	110 57	117 50	123 -1.01 43	93 0.24 35	69 -24 36	75 -6.3 72	94 -0.4 56	87 -11 55	81 -6.0 50	78 -36 25	92 0.8 38	129 -30.1 62	126 -8.9 33	106 26.4 58	83 -7 31	80 -10 29
CS 230068 95452231 ROXETTE CS230068	4 EX 160001 CS 100068			108 42	97 72	81 56	120 40	125 50	122 43	117 58	120 50	108 -0.25 43	97 0.14 38	82 -11 40	97 1.6 72	82 -3.3 56	89 -6 56	95 1.0 50	90 -10 20	104 5.1 34	117 -20.0 62	125 -8.8 32	109 27.9 57	90 -3 27	92 -1 25
CS 230073 95452272 ESCOURT CS230073	1 XA 160036 CS 150008			104 43	103 70	132 45	85 25	106 45	110 37	105 52	107 44	106 -0.20 46	83 0.54 31	113 17 25	103 3.6 70	132 8.5 45	122 65 47	103 5.3 46	125 67 7	116 9.7 11	89 2.7 58	110 -5.3 25	105 26.1 52	117 10 12	118 19 11
CS 230074 95452280 FAIRY CS230074	6 CS 130145 CS 150017			103 28	95 70	100 50	109 29	93 48	93 39	96 53	94 46	102 0.02 28	100 0.04 27	93 -2 29	95 0.8 70	100 0.9 50	98 15 50	95 1.4 36			93 -0.3 60	91 -0.8 28	101 23.8 56	76 -10 6	
CS 230077 95452314 GLORIA CS230077	SW 130624 CS 210089			94 24	105 69	108 46	87 30	109 46	105 37	100 52	102 44	96 0.31 24	90 0.33 21	111 15 30	105 4.3 69	108 3.0 46	105 29 48	105 6.0 20	105 23 15	96 2.4 20	86 5.4 60	116 -6.7 26	107 26.8 52	101 3 21	102 6 19
CS 230078 95452322 MEDUSA CS230078	3 EX 160001 CS 080160			117 42	87 73	103 57	117 35	132 51	131 42	115 58	123 50	119 -0.83 43	85 0.49 35	85 -9 35	87 -2.0 73	103 1.6 57	98 15 55	89 -1.7 50	95 1 24	102 4.7 37	123 -25.8 62	132 -10.4 32	110 28.6 58	97 1 31	91 -1 29
CS 230079 95452330 ROMELIA CS230079	XA 160036 CS 110155			86 43	125 69	105 49	99 33	102 43	112 38	132 53	124 46	90 0.60 45	80 0.62 31	98 3 33	125 11.5 69	105 2.2 49	125 73 50	124 15.6 46	114 42 11	107 6.4 13	93 -0.2 56	104 -3.9 21	103 24.9 53	114 9 13	114 15 13
CS 230080 95452348 RAKA CS230080	3 EX 160001 CS 100100			116 43	93 73	92 56	116 35	115 50	114 42	108 57	110 50	115 -0.65 44	98 0.11 37	86 -8 35	93 0.0 73	92 -0.9 56	93 2 55	92 -0.5 50	92 -5 19	108 6.7 34	116 -19.2 62	117 -7.0 30	99 22.8 57	97 1 26	91 -2 24
CS 230105 95759403 AMELIA CS230105	4 CS 130145 CS 130150			117 26	75 68	114 49	113 29	98 49	97 38	85 52	89 45	116													

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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																								
CS 230123 95759544 RAKA CS230123	1	EX 160001 CS 090226	120 42	81 73	102 57	125 39	121 50	122 43	113 58	118 50	120 -0.87 43	91 0.30 35	74 -19 39	81 -4.0 73	102 1.4 57	98 14 56	85 -3.6 49	87 -17 25	97 2.6 38	107 -12.0 62	121 -7.8 32	111 29.4 57	90 -3 31	87 -5 29
CS 230129 95759601 TINKERBELL CS230129		SW 120433 CS 100008	109 36	89 51	94 47	96 31	103 48	91 36	83 46	86 41	108 -0.28 37	102 0.01 32	102 7 31	89 -1.2 51	94 -0.4 47	85 -15 43	90 -1.4 30	93 -4 15	95 1.7 18	105 -10.4 59	97 -2.2 30	106 26.6 55	86 -5 18	86 -5 18
CS 230185 95760153 FAIRY CS230185	1	CS 170110 CS 210008	105 19	94 61	110 41	101 24	102 36	102 31	100 44	100 38	106 -0.17 20	93 0.26 12	97 2 24	94 0.6 61	110 3.2 41	105 29 42	95 1.2 8		95 1.9 7	99 -5.1 42	98 -2.3 18	107 27.1 47	94 -1 8	96 2 5
CS 230188 95760187 BLESSING CS230188	3	EX 160001 CS 100155	106 45	92 73	103 55	110 40	113 50	112 43	105 58	108 50	110 -0.39 46	78 0.68 41	91 -3 40	92 -0.1 73	103 1.7 55	100 18 56	96 1.6 50	93 -3 20	101 4.3 34	110 -14.5 61	115 -6.4 31	101 23.7 58	99 1 26	96 2 24
CS 230196 95760252 LENA CS230196	1	CS 170110 CS 210217	106 24	98 61	112 41	90 27	120 42	115 34	103 46	109 40	108 -0.27 24	87 0.41 22	108 12 27	98 1.9 61	112 3.9 41	104 28 43	100 3.6 18	106 26 7	99 3.3 11	104 -9.4 56	118 -7.2 23	114 30.8 48	104 4 11	104 8 10
CS 230209 95760351 TINKERBELL CS230209	1	CS 170110 CS 210083	117 23	83 63	80 41	119 26	118 43	109 34	96 47	101 40	115 -0.61 23	107 -0.13 21	84 -10 26	83 -3.2 63	80 -3.6 41	75 -37 43	85 -3.9 18		81 -3.3 6	106 -11.3 56	117 -6.9 24	112 29.6 49	81 -7 7	82 -9 5
CS 230246 95760716 MEDUSA CS230246		SW 120433 CS 090037	90 38	104 54	104 47	84 29	102 49	94 36	89 47	90 42	93 0.47 39	88 0.40 35	116 20 29	104 4.0 54	104 2.0 47	99 16 43	102 4.8 29	105 22 13	100 3.7 17	86 5.2 60	104 -3.7 32	107 26.9 56	97 1 17	98 3 16
CS 230258 95760856 ROSE CS230258		CS 170110 CS 210041	116 19	81 46	114 37	106 20	113 41	110 29	94 38	101 34	115 -0.65 20	97 0.13 12	94 0 20	81 -4.2 46	114 4.3 37	98 15 34	84 -4.4 8		90 0.0 7	103 -8.4 56	103 -3.7 18	118 33.1 49	90 -3 9	90 -2 6
CS 230262 95760898 ESCOURT CS230262	2	CS 180185 CS 200128	102 23	91 66	123 44	94 28	111 43	111 35	100 49	105 42	103 -0.02 23	91 0.30 21	102 7 28	91 -0.7 66	123 6.5 44	111 41 46	93 0.1 21	101 15 16	101 4.3 21	100 -6.0 57	109 -5.0 24	111 29.1 48	88 -4 22	92 -1 21
CS 230264 95760914 VINE CS230264	3	CS 170110 CS 210060	114 22	78 47	126 37	103 19	101 36	102 28	89 37	94 32	115 -0.63 22	89 0.35 21	95 0 19	78 -5.0 47	126 7.1 37	107 33 34	85 -3.7 17			97 -3.5 42	95 -1.8 20	109 27.9 45		
CS 230266 95760930 ROXETTE CS230266		SW 120433 CS 180005	100 32	95 48	97 42	94 25	108 47	98 33	91 43	94 38	101 0.06 33	94 0.24 30	104 9 25	95 0.9 48	97 0.4 42	91 -1 38	96 1.5 26	97 4 11	99 3.5 14	99 -5.6 59	92 -1.0 29	124 36.1 54	88 -4 15	91 -2 14
CS 230271 96756945 BRUNIA CS230271		CS 170110 CS 210282	109 17	90 32	107 28	98 17	112 29	106 21	96 28	100 24	109 -0.32 17	98 0.12 16	99 4 17	90 -1.1 32	107 2.6 28	97 12 26	92 -0.5 12	96 3 7	92 0.9 8	104 -9.5 29	101 -3.2 17	119 33.6 42	101 3 8	101 6 8

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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																								
CS 230278 95920708 ROXETTE CS230278	3	CS 170110 CS 210076	120 18	75 46	119 37	111 19	118 40	117 28	96 38	106 33	119 -0.84 18	95 0.20 17	90 -4 19	75 -6.1 46	119 5.4 37	100 19 34	83 -4.6 16			109 -13.6 55	103 -3.7 18	125 36.7 48		
CS 230279 95920716 VINE CS230279	5	CS 180185 CS 200076	101 25	92 65	117 41	108 25	108 44	112 35	107 48	109 42	103 -0.01 26	91 0.31 22	92 -2 25	92 -0.3 65	117 5.0 41	112 44 44	93 0.0 14	97 6 13	98 2.9 20	96 -2.9 57	105 -4.1 24	111 28.9 50	81 -7 21	87 -5 19
CS 230290 96756952 WENDY CS230290		CS 170110 CS 210278	109 17	90 32	107 28	98 17	113 29	107 21	96 28	101 24	109 -0.32 17	98 0.12 16	99 4 17	90 -1.1 32	107 2.6 28	97 12 26	92 -0.5 12	96 3 7	92 0.9 8	104 -9.5 29	101 -3.2 17	121 34.4 42	101 3 8	101 6 8
CS 230305 95452546 CS230305	2	CS 160177 CS 170373	80 22	125 68	108 50	87 23	96 47	101 37	116 51	109 44	85 0.87 23	80 0.62 19	112 15 23	125 11.3 68	108 2.8 50	119 61 47	120 13.6 20			82 9.1 60	91 -0.8 27	112 29.6 53	115 9 5	
CS 230312 95452603 CS230312		CS 130145 CS 080381	123 30	64 70	113 52	121 31	89 51	87 40	76 55	80 48	125 -1.10 31	98 0.10 25	79 -14 31	64 -10.0 70	113 4.0 52	90 -3 51	72 -10.5 29	71 -53 16	75 -5.9 20	84 6.8 62	91 -0.8 33	98 22.1 58	66 -15 21	64 -22 20
CS 230320 95761029 LUCKY CS230320	3	CS 130145 CS 171303	106 27	82 51	136 47	101 28	87 48	93 35	90 45	90 40	109 -0.30 27	84 0.52 25	96 1 28	82 -3.7 51	136 9.3 47	118 57 42	91 -0.7 26		98 3.1 9	88 3.3 60	83 1.1 29	102 24.0 55	88 -4 11	92 -1 9
CS 230600 95921045 MAGGIE CS230600		SW 120433 CS 080088	103 36	95 53	86 46	99 28	94 45	82 34	83 45	81 40	102 0.03 37	103 -0.03 34	100 5 28	95 0.7 53	86 -2.4 46	83 -19 42	93 0.1 28	91 -9 17	92 0.9 20	96 -3.0 49	100 -2.8 31	91 18.1 54	79 -9 20	85 -6 19
CS 230618 96197264 TINKERBELL CS230618	6	CS 130145 CS 140180	106 32	84 55	118 45	110 31	106 49	108 36	98 47	103 42	106 -0.17 33	98 0.10 30	91 -3 31	84 -3.2 55	118 5.1 45	106 31 44	90 -1.5 28		100 3.7 5	110 -14.5 61	101 -3.2 31	105 25.7 56	79 -8 9	86 -5 5
CS 230628 96197330 AMY CS230628	1	CS 160211 CS 070204	110 29	87 53	110 46	115 25	116 46	119 34	109 45	114 40	110 -0.39 30	94 0.22 24	86 -8 25	87 -1.8 53	110 3.3 46	104 28 41	88 -2.1 23	93 -3 18	92 0.8 21	105 -10.2 57	114 -6.0 29	113 30.0 53	82 -7 22	83 -7 21
CS 230650 98996267 CS 230650		SW 130624	106 20	93 41	114 36	94 24	96 34		90 35		107 -0.21 20	91 0.31 18	103 8 24	93 0.1 41	114 4.3 36	104 27 34	96 1.8 18	96 4 15	90 0.0 20	91 1.1 40	105 -4.1 22	92 19.0 41	104 4 21	102 6 19
CS 230651 98996275 CS 230651		CS 170110	112 17	90 32	113 28	97 17	108 29		96 28		113 -0.54 17	91 0.32 16	101 5 17	90 -0.9 32	113 4.0 28	102 23 26	93 0.4 12	97 4 7	91 0.5 8	103 -8.5 29	96 -2.1 17	117 32.3 40	105 4 8	102 7 8
Q 230127 95722534 Q 230127	1	T 180165 Q 150053	102 42	103 58	110 47	99 33	94 40	97 35	104 47	101 41	100 0.10 44	105 -0.09 31	99 4 33	103 3.7 58	110 3.3 47	111 43 46	103 5.2 45	97 4 14	102 4.5 18	78 12.3 44	99 -2.6 27	103 25.0 49	97 1 16	99 4 16

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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																								
CS 240001 96667183 CS240001	3	CS 160211 CS 190210	101 24	99 46	115 37	92 21	111 43	109 30	103 39	106 34	104 -0.08 25	84 0.50 22	105 10 21	99 2.2 46	115 4.4 37	108 36 35	101 4.1 18		109 7.3 6	100 -5.9 56	107 -4.5 24	112 29.7 50	104 4 6	
CS 240002 96667191 ESCOURT CS240002	2	CS 180185 CS 200183	94 22	97 47	137 39	88 19	95 37	100 28	99 38	99 33	98 0.24 23	84 0.52 20	108 12 19	97 1.4 47	137 9.6 39	123 69 35	99 3.4 20	112 38 17	105 5.6 22	96 -3.3 43	95 -1.6 23	98 22.2 45	99 2 23	102 6 21
CS 240006 96866504 ROSE CS240006		CS 140348 CS 220065	93 18	104 53	117 41	88 25	110 42	109 32	105 42	106 37	96 0.32 18	87 0.43 15	111 15 25	104 4.1 53	117 4.9 41	111 43 40	104 5.5 26	111 35 14	110 7.8 17	116 -19.6 57	95 -1.6 21	115 31.0 48	111 8 18	113 15 17
CS 240007 96866512 RAKA CS240007		CS 140348 CS 150060	89 19	117 55	95 42	92 20	83 44	83 32	101 43	92 38	90 0.60 20	93 0.24 15	106 10 20	117 8.5 55	95 -0.2 42	106 31 39	112 9.7 20		70 18.9 58	80 1.9 21	108 27.7 52			
CS 240013 97008676 CS240013	4	CS 160177 CS 170004	91 25	117 69	114 50	88 25	98 47	103 37	113 52	108 44	95 0.39 27	81 0.58 16	110 14 25	117 8.7 69	114 4.2 50	120 61 48	112 9.9 32	128 73 13	117 10.4 19	69 19.3 60	107 -4.6 26	105 25.8 54	115 10 20	114 16 18
CS 240016 97008700 ESCOURT CS240016		SW 130624 CS 090209	110 31	81 56	112 52	108 32	109 51	107 38	92 49	99 44	109 -0.34 32	101 0.02 25	92 -2 32	81 -4.1 56	112 3.9 52	98 14 47	84 -4.5 26	93 -4 23	86 -1.6 28	80 10.1 63	122 -8.1 34	104 25.1 57	82 -7 29	84 -7 27
CS 240017 97008718 CS240017	1	CS 180185 EX 200261	116 28	84 65	99 44	98 32	105 42	94 36	82 49	86 42	113 -0.50 28	113 -0.31 25	100 5 32	84 -3.0 65	99 0.7 44	86 -13 47	88 -2.4 29	94 -2 27	95 2.0 31	109 -13.8 56	97 -2.1 23	107 26.9 48	88 -4 32	88 -4 31
CS 240019 97008734 CS240019		XA 160036 CS 130007	120 46	95 69	94 47	118 28	108 47	111 38	111 53	111 46	119 -0.84 48	96 0.16 33	84 -10 28	95 1.0 69	94 -0.4 47	98 14 48	101 4.1 46	87 -18 13	83 -2.7 15	101 -7.0 59	111 -5.4 28	102 24.4 54	91 -2 16	89 -3 15
CS 240026 97008809 VINE CS240026	1	CS 160177 CS 150204	80 29	122 55	117 50	86 31	105 45	112 36	121 47	118 42	86 0.80 30	73 0.82 27	112 16 31	122 10.4 55	117 5.0 50	125 73 45	123 15.3 26	127 70 12	115 9.7 16	89 3.2 52	114 -6.1 32	101 23.6 52	114 9 16	118 19 15
CS 240030 97008841 ESCOURT CS240030	1	CS 170044 CS 220255	102 31	92 46	120 40	91 26	95 38	93 30	88 39	90 34	104 -0.06 31	90 0.35 29	106 11 26	92 -0.1 46	120 5.6 40	107 33 37	97 2.4 27	103 18 21	100 3.7 25	97 -3.4 43	102 -3.3 25	91 18.3 46	89 -3 26	92 -1 24
CS 240032 97008866 CS240032	2	CS 160177 CS 130207	90 24	116 69	102 51	93 29	105 48	106 38	114 53	111 46	92 0.51 25	88 0.39 20	105 10 29	116 8.1 69	102 1.5 51	111 43 50	112 9.7 20		92 0.1 62	102 -3.3 28	111 28.9 54	104 4 6		
CS 240034 97008882 SNYBERG CS240034		CS 140348 CS 130667	102 16	104 69	90 46	100 24	92 45	88 36	96 50	92 43	101 0.07 16	100 0.06 16	98 3 24	104 4.0 69	90 -1.4 46	94 6 46	102 4.6 38		92 0.8 5	87 4.2 58	81 1.5 25	113 30.2 52	105 4 5	

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ID Number Name																								
CS 240039 97293633 CS 240039	4	CS 160177 CS 190075	92 18	112 68	109 48	93 27	102 42	105 36	113 50	109 43	96 0.34 20	84 0.50 9	104 9 27	112 7.0 68	109 3.0 48	114 49 48	110 8.8 28			89 2.8 51	101 -3.0 23	109 28.0 52		
CS 240045 97293690 CS 240045	9	CS 180164 CS 100105	86 24	115 66	103 47	92 18	118 38	118 33	120 47	119 40	88 0.72 24	92 0.28 22	106 10 18	115 8.0 66	103 1.6 47	111 42 44	113 10.3 12			108 -13.2 42	117 -6.8 20	110 28.7 51		
CS 240046 97297261 MEDUSA	1	CS 180164 CS 080160	99 28	103 67	107 50	100 24	120 41	121 35	117 50	119 42	101 0.07 29	89 0.38 23	98 3 24	103 3.8 67	107 2.5 50	109 38 47	102 4.6 24	105 24 19	92 0.8 24	101 -7.4 43	124 -8.5 29	111 29.0 52	99 1 24	99 4 23
CS 240048 97297287 CS 240048	6	CS 160177 CS 150040	86 22	114 68	133 50	91 20	96 42	109 35	120 50	115 42	93 0.47 23	68 0.96 15	105 10 20	114 7.4 68	133 8.6 50	135 95 46	115 11.2 14			76 13.5 51	99 -2.6 22	107 27.1 54		
CS 240052 97297329 MAK	1	CS 160177 CS 170063	81 23	123 68	114 50	89 28	114 47	121 38	130 52	126 45	86 0.81 23	77 0.70 21	108 13 28	123 10.9 68	114 4.3 50	126 74 49	120 14.0 20	123 63 5	110 7.5 10	98 -4.8 60	110 -5.2 28	115 31.3 53	115 9 10	117 18 9
CS 240053 97297337 ROMELIA	2	CS 160177 CS 190016	72 22	128 68	117 49	84 35	104 43	112 37	124 52	119 44	78 1.23 23	77 0.70 20	115 18 35	128 12.4 68	117 5.0 49	128 79 51	123 15.4 18		114 9.3 6	81 9.6 50	110 -5.3 27	107 27.2 52	119 11 7	121 21 5
CS 240057 97297378 CS 240057	9	CS 180164 CS 140037	87 24	114 67	98 48	93 18	114 42	112 34	115 48	114 41	88 0.71 24	94 0.21 22	105 10 18	114 7.5 67	98 0.5 48	106 32 44	111 9.2 30			96 -2.6 55	117 -6.8 20	110 28.8 50		
CS 240060 97297402 MAGENTA	2	CS 160177 CS 190021	68 22	139 68	116 50	81 35	110 46	120 38	135 53	129 46	76 1.33 23	69 0.94 19	119 23 35	139 16.4 68	116 4.7 50	132 89 51	134 20.9 18		121 11.7 8	80 10.5 59	117 -6.8 27	111 29.0 52	127 15 9	129 27 7
CS 240063 97297436 MAGENTA		CS 180164 CS 090144	102 23	95 67	113 49	107 23	106 40	110 34	107 49	108 42	103 -0.01 24	93 0.26 18	94 -1 23	95 0.9 67	113 4.1 49	110 40 46	95 1.4 34	103 19 19	91 0.2 23	89 2.5 42	107 -4.4 27	110 28.6 51	101 2 23	102 6 22
CS 240064 97297444 MAGGIE		SW 120433 CS 170213	119 31	78 69	80 46	116 27	116 44	102 36	84 51	92 44	115 -0.62 32	113 -0.31 29	87 -7 27	78 -5.2 69	80 -3.7 46	68 -51 47	79 -6.6 25	73 -48 13	77 -5.2 15	112 -16.6 48	112 -5.8 30	108 27.6 54	73 -11 15	74 -15 15
CS 240067 97297477 MAGENTA		CS 140348 CS 160270	85 20	118 68	130 45	80 21	89 43	97 34	107 49	102 42	92 0.54 21	70 0.89 17	119 22 21	118 8.9 68	130 8.1 45	128 80 45	120 13.8 34	132 81 10	121 11.6 12	73 16.4 56	82 1.3 23	114 30.5 51	124 14 12	127 26 11
CS 240069 97297493 CS 240069		SW 130624 CS 170099	102 26	94 67	102 52	102 27	120 48	116 38	106 52	111 45	102 0.00 26	97 0.12 25	96 1 27	94 0.6 67	102 1.6 52	99 16 49	96 1.8 22	94 -1 14	90 -0.1 19	97 -4.1 60	123 -8.2 29	114 30.7 54	92 -2 20	95 2 18

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ID Number Name																									
CS 240074 97347504 RAKA	1	CS 180164 CS 100100	111 29	92 66	102 48	109 23	112 41	111 35	103 49	107 42	108 -0.30 29	105 -0.10 27	93 -2 23	92 -0.2 66	102 1.4 48	98 13 46	91 -0.6 34	92 -6 14	89 -0.4 18	113 -16.9 43	112 -5.8 28	102 24.3 52	90 -3 18	89 -4 17	
CS 240090 97347603 LENA	3	CS 170044 CS 220084	117 31	73 46	125 41	96 26	98 44	92 32	75 41	82 36	117 -0.72 31	94 0.22 29	101 5 26	73 -6.9 46	125 6.8 41	99 15 38	82 -5.4 27	90 -11 20	89 -0.3 24	90 2.3 57	97 -2.1 25	105 25.8 49	77 -9 25	80 -10 24	
CS 240092 97375786 ANITA		CS 140348 CS 130047	75 27	129 56	97 47	82 28	94 41	94 34	108 45	101 40	79 1.15 27	84 0.49 25	120 23 28	129 12.9 56	97 0.4 47	111 41 44	125 16.2 28	121 57 9	121 11.9 12	91 1.5 46	94 -1.5 28	100 23.1 50	111 8 12	117 18 11	
CS 240093 97375802 ROXETTE	1	CS 180185 CS 190107	110 22	83 66	120 45	116 28	94 43	100 35	98 49	99 42	109 -0.35 23	99 0.09 20	85 -9 28	83 -3.5 66	120 5.7 45	111 42 46	86 -3.5 20	94 -2 20	94 1.6 24	102 -7.7 56	84 0.8 24	105 25.7 49	84 -6 25	87 -5 23	
CS 240098 97375844 MAGGIE	2	CS 180164 CS 080185	106 28	90 52	100 48	111 24	116 40	113 32	103 43	108 38	106 -0.16 29	99 0.07 22	91 -3 24	90 -0.7 52	100 0.9 48	95 8 41	89 -1.6 22	94 -2 18	82 -3.1 22	106 -11.6 42	117 -6.8 28	107 27.0 51	84 -6 23	88 -4 22	
CS 240107 97376826 ELLIE		CS 140348 CS 160090	94 21	103 68	115 46	90 23	78 40	79 34	90 49	84 42	96 0.32 21	91 0.32 20	108 12 23	103 3.8 68	115 4.6 46	111 42 46	105 6.4 26	108 29 9	106 5.9 11	74 15.2 45	70 4.2 24	107 26.9 52	104 4 11	108 11 10	
CS 240115 97391429 CS 240115	7	CS 180164 CS 100172	93 26	110 66	92 48	100 23	121 39	117 34	117 48	118 41	94 0.43 26	97 0.12 24	99 4 23	110 6.0 66	92 -0.9 48	101 20 46	108 7.6 29		120 -22.8 42	116 -6.6 23	109 28.1 51				
CS 240121 97460083 ESCOURT	3	CS 160177 CS 170078	101 25	101 69	113 46	101 27	105 48	109 37	110 52	110 44	103 -0.01 26	88 0.40 23	97 2 27	101 3.0 69	113 4.0 46	113 47 47	102 4.6 22		92 0.1 61	108 -4.7 29	105 26.1 54				
CS 240127 97460141 CS 240127	2	CS 170044 CS 220018	106 21	90 44	121 38	103 20	106 36	109 27	103 37	106 32	107 -0.21 22	93 0.26 18	95 0 20	90 -0.8 44	121 5.9 38	112 44 34	93 0.1 16	99 9 10	95 1.8 16	96 -3.2 42	105 -4.1 22	108 27.4 45	86 -5 17	92 -1 15	
CS 240128 97460158 ROSE		SW 130624 CS 110089	116 28	85 53	99 52	106 32	114 47	107 36	93 47	99 42	115 -0.62 28	101 0.03 27	94 0 32	85 -2.5 53	99 0.8 52	89 -5 46	89 -1.8 28	91 -9 17	89 -0.4 22	107 -11.8 53	127 -9.3 33	92 18.9 54	92 -2 23	91 -2 21	
CS 240135 97460216 CS 240135		SW 120433 CS 170108	85 30	111 67	106 45	84 24	110 42	106 35	103 49	104 42	88 0.71 31	87 0.42 28	116 19 24	111 6.5 67	106 2.4 45	105 30 45	109 8.2 24	115 46 14	105 5.9 16	106 -11.1 46	101 -3.1 28	115 31.1 52	107 6 17	109 12 16	
CS 240137 97460232 MAGGIE		SW 130624 CS 120657	92 32	102 54	102 53	93 33	106 47	101 37	98 48	99 42	93 0.45 32	91 0.30 30	105 10 33	102 3.2 54	102 1.5 53	100 19 47	104 6.0 26	100 12 17	101 4.3 23	92 0.1 53	120 -7.6 34	94 19.8 54	90 -3 23	99 4 22	

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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																										
CS 240140 97501704 ESCOURT		SW 130624 CS 110202	127 29	71 68	94 54	122 36	112 47	104 40	88 54	95 47	124 -1.05 29	110 -0.22 27	79 -14 36	71 -7.6 68	94 -0.5 54	78 -29 53	75 -8.7 28	72 -49 18	73 -6.4 23	101 -7.0 52	125 -8.6 33	94 19.8 55	79 -9 24	74 -15 22		
CS 240147 97501753 MAK	2	CS 180185 CS 220151	99 26	101 48	124 31	97 17	99 34	105 26	108 36	107 31	101 0.05 27	86 0.44 20	100 5 17	101 2.9 48	124 6.6 31	120 63 32	103 5.2 24	105 22 17	103 4.8 21	108 -13.2 41	100 -3.0 19	92 18.8 43	95 0 22	99 4 20		
CS 240151 97501779 ROXETTE		SW 130624 CS 130160	89 33	112 67	104 53	84 33	110 50	106 40	103 54	104 47	93 0.48 33	83 0.54 31	116 19 33	112 6.9 67	104 1.9 53	105 29 51	109 8.5 29	107 28 19	101 4.3 24	101 -7.3 61	114 -6.2 32	103 24.8 56	103 3 25	103 7 23		
CS 240152 97501787 ROMELIA	5	CS 180185 CS 200079	96 19	94 48	117 41	110 22	96 36	103 29	105 39	104 34	97 0.27 20	93 0.26 17	91 -3 22	94 0.5 48	117 5.0 41	114 49 37	94 0.6 14	96 3 8	99 3.3 17	102 -8.0 42	98 -2.4 20	94 19.8 46	84 -6 18	89 -3 15		
CS 240154 97501803 ROXETTE	2	CS 180185 CS 200049	114 21	74 48	129 41	111 22	103 42	107 31	93 40	99 36	114 -0.57 21	97 0.14 19	89 -5 22	74 -6.5 48	129 7.8 41	109 38 37	80 -6.2 20	87 -17 16	91 0.4 21	112 -16.2 56	98 -2.3 22	102 24.3 48	76 -10 22	80 -10 20		
CS 240157 97510937 BLESSING	6	CS 180185 CS 200042	109 23	81 65	112 42	119 26	88 37	93 33	94 47	93 40	107 -0.24 24	102 0.01 20	81 -12 26	81 -4.0 65	112 3.9 42	104 28 44	82 -5.1 14		89 -0.6 14	93 -0.7 43	90 -0.6 21	93 19.4 48	81 -8 16	82 -9 13		
CS 240164 97511885 ROSE	2	CS 180185 CS 200184	100 21	92 48	117 41	87 22	112 42	106 31	91 40	97 36	101 0.09 21	97 0.13 19	111 15 22	92 -0.1 48	117 4.8 41	102 23 37	93 0.2 18	99 10 15	100 3.7 20	110 -14.9 56	113 -5.9 23	103 24.5 48	85 -6 21	92 -1 19		
CS 240170 97636484 LENA		CS 140348 CS 150043	87 23	121 68	110 47	84 24	94 45	97 36	109 50	103 43	91 0.55 23	79 0.65 21	115 19 24	121 9.9 68	110 3.4 47	117 54 46	119 13.1 27	121 58 10	116 9.7 11	93 0.0 58	83 1.2 25	112 29.4 52	116 10 12	118 19 11		
CS 240179 97511059 JUANA		SW 120433 CS 130182	93 35	101 50	87 46	95 30	108 45	97 34	94 45	95 40	93 0.49 36	101 0.02 32	103 8 30	101 2.8 50	87 -1.9 46	88 -8 42	100 3.9 28	92 -5 13	93 1.3 16	100 -6.4 50	110 -5.3 32	104 25.1 54	85 -6 16	91 -2 15		
CS 240184 97636450 TINKERBELL		SW 120433 CS 150639	94 32	105 48	103 42	88 27	103 44	98 32	96 42	96 37	96 0.31 33	87 0.42 30	111 15 27	105 4.5 48	103 1.8 42	101 21 39	106 6.7 27	108 29 14	102 4.4 17	99 -5.3 48	98 -2.5 30	108 27.7 53	102 3 17	104 8 16		
CS 240188 97511125 CS 240188	2	EX 160001 CS 171303	113 39	86 55	107 52	114 33	115 44	116 36	105 48	110 42	115 -0.62 40	86 0.45 35	88 -7 33	86 -2.3 55	107 2.6 52	100 18 47	90 -1.1 40	95 1 19	107 6.5 33	119 -21.7 50	112 -5.7 29	104 25.3 54	101 2 25	99 4 23		
CS 240200 97513469 MAK	3	CS 170044 CS 220127	104 20	96 44	117 36	108 20	115 40	121 28	116 37	119 32	105 -0.12 21	92 0.29 17	93 -2 20	96 1.3 44	117 4.9 36	115 50 33	97 2.4 12	102 16 7	98 3.2 14	111 -15.7 55	107 -4.5 19	115 31.0 45	90 -3 15	95 1 13		

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Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	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																									
CS 240207 97712079 ESCOURT		XA 160036 CS 130222		95 42	122 55	105 46	86 24	120 44	121 34	122 45	122 40	98 0.20 44	82 0.57 29	114 18 24	122 10.2 55	105 2.2 46	114 49 42	122 14.6 38	124 64 10	115 9.6 12	117 -20.3 57	125 -8.6 23	100 23.3 52	121 12 12	121 21 12
CS 240208 98389943 CS 240208	3	CS 180185 CS 200074		115 21	74 47	122 38	102 22	96 37	92 28	79 38	84 33	114 -0.56 21	99 0.07 19	95 1 22	74 -6.4 47	122 6.0 38	99 16 36	79 -6.9 20	89 -13 15	91 0.3 20	98 -4.6 42	94 -1.6 22	99 22.6 46	75 -10 21	80 -10 20
CS 240213 97712129 MAVENDA		SW 120433 CS 110608		94 25	98 47	107 44	90 20	104 36	97 29	92 39	93 34	95 0.36 26	95 0.20 23	108 13 20	98 1.9 47	107 2.7 44	100 18 37	98 2.9 22	100 12 10	96 2.1 12	99 -5.6 36	98 -2.5 20	109 27.9 52	101 2 13	101 6 12
CS 240215 97712137 AMELIA		EX 160001 CS 210149		121 36	73 58	111 50	121 36	121 47	120 38	102 49	111 44	125 -1.12 38	91 0.32 29	80 -14 36	73 -6.9 58	111 3.5 50	96 10 48	79 -6.8 38	90 -10 18	97 2.8 33	130 -31.0 61	113 -6.0 25	107 27.1 54	96 0 25	91 -1 23
CS 240218 98392905 CS 240218		CS 160211 LEB 200140		97 41	93 51	130 37	97 21	113 41	117 31	110 41	114 36	99 0.16 42	88 0.38 34	99 4 21	93 0.0 51	130 8.1 37	120 62 36	97 2.4 33	102 17 19	101 4.1 22	122 -24.9 56	105 -4.0 21	106 26.3 47	97 1 22	95 2 22
CS 240222 97712194 ROSE	5	CS 180185 CS 200108		104 21	86 48	123 38	99 21	106 41	106 30	96 39	100 34	104 -0.08 21	95 0.19 19	98 3 21	86 -2.3 48	123 6.4 38	109 38 36	89 -1.7 17	96 3 10	98 3.2 18	110 -14.9 56	101 -3.1 18	104 25.3 48	79 -8 19	87 -5 17
CS 240224 97851596 TINKERBELL		CS 140348 CS 140180		87 28	115 54	95 42	90 27	96 42	93 33	103 44	98 38	88 0.69 29	96 0.17 25	109 13 27	115 8.0 54	95 -0.1 42	103 25 41	112 9.9 28	111 37 8	113 8.6 10	97 -3.7 47	92 -1.1 28	103 24.7 52	104 4 11	110 13 10
CS 240227 97851653 MOOI BEKKIE		SW 120433 CS 080162		99 34	91 54	104 48	95 29	115 45	106 35	94 46	99 40	100 0.14 35	95 0.18 28	102 7 29	91 -0.6 54	104 2.0 48	95 6 44	90 -1.2 27	99 9 18	91 0.4 21	108 -13.3 50	119 -7.2 31	102 24.3 55	89 -3 22	89 -3 21
CS 240233 97851711 RAKA		SW 130624 CS 120613		96 26	98 69	119 54	99 32	102 46	105 39	105 54	105 46	98 0.23 27	90 0.33 24	98 3 32	98 1.9 69	119 5.4 54	115 50 52	101 4.2 28	105 23 17	101 4.1 22	97 -3.7 53	108 -4.8 31	96 21.1 55	97 1 23	102 7 21
CS 240240 98090194 CS 240240		XA 160036 CS 140027		95 45	121 70	100 47	96 26	112 46	116 38	127 52	123 45	98 0.21 47	86 0.45 33	102 6 26	121 9.9 70	100 1.0 47	115 51 48	121 14.2 40	108 29 11	106 6.1 13	119 -21.6 59	109 -5.1 27	101 23.8 53	103 4 14	107 11 13
CS 240244 98090277 ROXETTE	4	CS 150081 CS 210076		108 24	81 50	125 37	112 19	92 36	98 28	94 39	95 34	108 -0.29 24	93 0.24 22	88 -6 19	81 -4.1 50	125 6.7 37	111 43 35	88 -2.4 24	90 -10 10	97 2.7 17	95 -2.0 40	85 0.5 22	105 25.7 45	85 -6 18	86 -6 16
CS 240253 98090368 CS 240253	4	CS 150081 CS 210244		94 24	104 46	118 37	95 17	93 35	98 27	105 37	101 32	96 0.31 24	87 0.42 21	102 6 17	104 3.9 46	118 5.1 37	116 54 33	104 5.7 18	112 38 11	113 8.6 17	87 4.6 39	94 -1.4 22	102 24.3 45	106 5 18	106 9 16

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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																								
CS 240256 98090392 CS 240256	11	CS 150081 CS 210060	102 12	84 50	132 36		83 33				104 -0.08 12	88 0.39 9		84 -3.0 50	132 8.4 36		90 -1.4 15			83 7.9 38	78 2.3 16	102 24.2 45		
CS 240259 98258965 LENA		CS 220295	97 17	101 28	105 26	94 18	98 27	94 20	96 26	95 23	97 0.26 17	97 0.14 16	104 8 18	101 3.1 28	105 2.1 26	103 24 24	100 3.9 14	103 19 10	98 2.9 12	98 -4.4 32	111 -5.3 18	85 15.1 32	103 4 13	104 8 12
CS 240264 98258981 CS 240264		CS 140348 CS 150070	86 20	121 55	94 46	89 23	93 44	92 33	107 44	100 38	88 0.74 20	93 0.26 18	110 14 23	121 9.9 55	94 -0.4 46	106 31 41	115 11.5 26	112 38 6	106 6.1 7	100 -6.6 57	79 2.1 24	111 28.9 52	112 8 7	114 16 7
CS 240304 97297527 OSSIBESA	1	CS 180164 CS 080369	94 28	101 67	113 49	89 28	103 41	101 36	98 50	99 43	97 0.25 28	81 0.59 27	108 13 28	101 3.1 67	113 4.0 49	107 34 48	103 5.2 22	103 19 15	94 1.4 19	96 -3.0 43	101 -3.0 28	107 27.0 52	103 3 19	102 7 18
CS 240310 97297576 CS 240310		XA 160036 CS 140331	98 40	112 56	122 45	92 22	97 41	106 33	116 44	112 38	102 0.01 42	79 0.64 27	105 9 22	112 7.0 56	122 6.2 45	126 75 41	116 11.9 36	117 49 8	107 6.4 10	90 1.9 54	100 -2.8 17	100 23.1 53	121 12 10	120 20 9
CS 240313 97297600 CS 240313		CS 140348 CS 140302	93 14	110 68	100 46	89 19	84 36	82 32	93 47	87 40	95 0.38 14	92 0.29 13	110 14 19	110 6.3 68	100 1.1 46	103 25 44	108 7.8 24		88 4.0 40	72 3.8 17	109 28.2 52			
CS 240316 97297626 CS 240316		CS 140348 CS 140433	91 19	110 68	102 46	84 20	88 44	83 35	88 49	85 42	92 0.53 20	98 0.12 17	116 20 20	110 6.1 68	102 1.4 46	101 21 45	104 6.0 36	112 37 8	108 6.7 10	82 9.0 56	82 1.4 23	108 27.5 52	108 6 10	110 13 9
CS 240319 97376289 CS 240319	3	CS 170044 CS 220307	115 22	81 44	114 38	116 16	105 40	108 28	100 37	103 32	114 -0.59 23	98 0.12 15	84 -10 16	81 -3.9 44	114 4.2 38	104 27 33	83 -4.6 16	85 -22 17	92 0.6 23	99 -5.7 56	102 -3.4 19	107 26.7 46	79 -9 24	83 -8 22
CS 240322 97376313 CS 240322		CS 140348 CS 150323	78 26	136 69	83 47	85 25	96 46	95 37	116 51	106 44	82 1.03 26	86 0.44 24	116 19 25	136 15.3 69	83 -2.8 47	106 32 47	129 18.4 26	116 47 6	115 9.7 9	89 3.3 58	92 -0.9 27	108 27.7 52	109 7 10	115 16 9
CS 240345 98090434 CS 240345	1	CS 170044 CS 220300	105 29	92 40	116 39	94 24	95 37	93 28	90 36	90 32	106 -0.17 29	93 0.26 27	103 8 24	92 -0.2 40	116 4.7 39	105 29 34	96 1.8 26	99 9 22	91 0.4 25	88 3.6 42	100 -3.0 25	97 21.5 45	90 -3 26	93 -1 25
CS 250001 98885312 ROXETTE	3	CS 210300 CS 150606	113 16	86 48	114 43	116 17	108 35	113 28	107 38	110 33	113 -0.52 18	95 0.18 7	85 -9 17	86 -2.2 48	114 4.3 43	108 37 36	90 -1.3 11		83 -2.8 8	110 -14.4 39	97 -2.3 20	112 29.4 45	90 -3 10	88 -4 7
CS 250003 98885338 ANGIE	2	CS 190043 CS 220055	102 16	95 63	107 39	115 20	104 33	109 30	110 43	110 36	102 0.01 17	95 0.19 13	87 -7 20	95 0.8 63	107 2.6 39	108 36 41	94 0.8 16	88 -14 6	95 2.0 11	102 -7.9 37	98 -2.3 18	109 28.0 43	93 -2 12	93 0 11

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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	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value														
CS 250005 98885353 TINKERBELL	2	CS 170021 CS 120042	100 28	110 67	94 48	112 31	112 40	117 36	123 50	121 43	100 0.11 28	95 0.18 27	90 -4 31	110 6.2 67	94 -0.5 48	107 34 49	109 8.2 24	94 -1 10	101 4.1 13	115 -18.9 42	109 -5.0 29	103 24.7 49	92 -2 14	93 0 13
CS 250008 98885387 CS 250008	1	CS 160177 EX 160516	95 27	113 71	103 53	103 37	87 44	94 39	112 54	104 46	97 0.25 28	89 0.37 24	96 1 37	113 7.1 71	103 1.7 53	115 50 54	109 8.4 26	112 38 18	118 10.5 22	79 10.8 51	94 -1.5 28	94 20.2 52	96 0 22	100 5 21
CS 250009 98885395 RAKA	5	CS 160177 CS 170013	114 22	88 70	113 50	112 22	95 43	100 36	98 51	98 44	115 -0.64 23	89 0.37 15	89 -5 22	88 -1.7 70	113 4.0 50	106 32 47	90 -1.3 13			87 4.3 50	99 -2.7 25	99 22.9 53	90 -3 7	
CS 250012 98944390 MOOI BEKKIE	2	EX 160001 CS 120241	104 39	102 72	109 55	104 37	122 46	124 41	120 56	123 48	108 -0.28 40	77 0.69 34	95 0 37	102 3.3 72	109 3.0 55	111 42 55	102 4.7 40	110 33 20	112 8.4 34	119 -21.9 52	124 -8.5 31	103 25.0 55	113 8 26	108 11 24
CS 250013 98944374 TINKERBELL	5	CS 190043 CS 220276	111 18	82 61	104 38	117 16	116 32	115 28	102 42	108 35	109 -0.34 19	103 -0.02 15	85 -9 16	82 -3.7 61	104 1.9 38	95 8 38	84 -4.3 13			110 -14.8 37	115 -6.4 17	108 27.4 43		
CS 250016 98944424 AMELIA	1	Q 210021 CS 150240	105 32	90 67	106 48	99 24	121 36	114 34	100 48	107 41	106 -0.16 33	92 0.28 27	99 4 24	90 -1.0 67	106 2.5 48	97 12 46	95 1.3 35	78 -38 11	87 -1.1 15	110 -14.2 39	120 -7.6 24	111 28.9 46	71 -13 15	77 -12 14
CS 250017 98944432 CS 250017	1	CS 200093 CS 190075	110 19	86 63	115 42	109 24	100 35	102 31	96 45	98 38	110 -0.37 19	94 0.23 17	92 -3 24	86 -2.5 63	115 4.6 42	105 29 43	90 -1.3 18		87 -1.1 6	96 -3.1 39	88 -0.1 22	115 31.3 44	86 -5 7	86 -6 5
CS 250018 98944440 RAKA	1	Q 210021 CS 150060	82 31	117 53	108 43	91 24	107 35	110 30	117 42	114 36	86 0.82 32	84 0.50 25	107 11 24	117 8.7 53	108 2.8 43	116 53 40	118 12.6 33			98 -4.7 41	107 -4.6 20	106 26.4 44		
CS 250020 98944465 MAGENTA	2	CS 200093 CS 190021	101 19	91 64	129 44	97 31	107 34	111 33	104 47	107 40	103 -0.04 19	84 0.50 17	99 4 31	91 -0.5 64	129 7.9 44	118 57 46	97 2.3 14			92 0.1 38	103 -3.5 21	115 31.2 43		
CS 250021 98970403 CS 250021	1	Q 210021 CS 140076	86 31	113 67	109 48	95 24	98 36	102 33	114 48	108 40	90 0.63 32	85 0.49 28	103 7 24	113 7.3 67	109 3.1 48	116 54 46	117 12.2 37	92 -7 12	105 5.8 16	96 -3.3 39	94 -1.4 24	105 26.0 46	86 -5 16	96 2 15
CS 250022 98970411 CS 250022	3	CS 200093 CS 170054	111 25	87 64	129 44	107 21	97 36	106 32	102 46	103 39	112 -0.50 26	86 0.44 22	93 -2 21	87 -1.9 64	129 7.8 44	118 58 43	94 0.7 20	101 13 10	103 4.8 16	91 0.8 40	90 -0.5 23	111 29.2 46	96 0 17	96 2 15
CS 250023 98970429 RAKA	1	CS 200020 CS 120630	109 26	84 62	107 47	111 24	113 37	110 33	97 46	103 40	107 -0.24 27	101 0.02 23	91 -4 24	84 -3.2 62	107 2.6 47	96 10 44	86 -3.1 22	88 -14 14	87 -1.2 17	96 -3.2 38	116 -6.5 24	108 27.6 48	83 -7 17	84 -7 16

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ID Number Name																								
CS 250025 98970445 CS 250025	5	EX 160001 CS 200106	115 37	81 69	118 49	113 32	106 41	109 37	98 52	103 44	117 -0.71 38	83 0.53 32	88 -6 32	81 -4.0 69	118 5.1 49	105 29 50	87 -2.8 38	97 6 11	110 7.6 30	104 -9.5 50	103 -3.6 22	105 25.9 52	98 1 21	98 3 18
CS 250028 98970460 CS 250028	4	EX 160001 EX 180225	110 41	90 72	91 55	97 41	112 43	100 40	88 56	93 48	111 -0.42 42	93 0.25 35	101 6 41	90 -0.9 72	91 -1.0 55	84 -18 56	94 0.6 46	92 -6 23	104 5.2 36	111 -15.2 50	113 -6.0 27	102 24.3 53	99 1 29	94 1 27
CS 250030 98970486 AMY	2	CS 190043 CS 220073	98 16	97 63	111 39	112 21	101 32	108 29	110 43	109 36	100 0.13 17	90 0.32 13	90 -5 21	97 1.7 63	111 3.5 39	112 45 41	98 2.7 10			92 0.1 38	100 -2.9 16	107 26.9 43		
CS 250031 98970494 ESCOURT	1	CS 190043 CS 220052	105 26	88 63	107 42	95 27	113 36	104 32	91 46	96 39	105 -0.12 27	96 0.16 24	102 7 27	88 -1.6 63	107 2.5 42	94 6 44	92 -0.5 25	92 -7 16	87 -1.0 19	102 -8.1 39	115 -6.4 24	106 26.2 46	85 -6 20	84 -7 19
CS 250032 98970502 LENA	1	Q 210021 CS 150043	83 33	117 52	124 47	84 25	109 37	115 31	117 43	117 37	90 0.63 34	71 0.87 29	115 19 25	117 8.5 52	124 6.7 47	125 73 41	121 14.3 36	108 30 11	115 9.6 15	101 -6.7 41	104 -3.8 25	112 29.7 45	100 2 15	108 11 14
CS 250033 98970510 TINKERBELL	3	CS 200093 CS 180009	106 19	86 64	119 45	109 23	103 34	107 31	100 46	103 38	107 -0.25 19	89 0.37 17	92 -3 23	86 -2.3 64	119 5.4 45	109 38 44	93 0.2 10		100 -6.5 39	86 0.3 18	121 34.5 46			
CS 250034 98970528 CS 250034	7	CS 200093 EX 180258	98 22	97 66	129 46	85 32	95 35	95 34	91 48	92 41	102 0.02 22	77 0.70 19	113 17 32	97 1.4 66	129 7.7 46	114 49 48	106 6.5 30		87 4.8 40	88 -0.2 19	111 28.9 46			
CS 250036 99080152 MAK	2	CS 200093 CS 170063	91 20	107 63	119 44	97 22	111 36	117 32	120 45	119 38	94 0.40 20	83 0.52 19	100 4 22	107 5.1 63	119 5.3 44	121 65 43	109 8.2 16		103 -9.0 40	98 -2.5 23	121 34.7 45			
CS 250037 99080137 RAKA	1	CS 200020 CS 120613	105 22	85 63	122 47	112 26	105 39	111 34	104 47	107 40	106 -0.17 23	95 0.19 20	88 -6 26	85 -2.6 63	122 6.1 47	113 46 45	90 -1.5 24	98 7 12	94 1.7 16	100 -6.0 43	104 -3.9 27	105 25.8 48	87 -5 17	91 -2 16
CS 250038 99080160 ROXETTE	3	CS 190043 CS 200049	114 18	76 61	115 41	116 21	107 34	108 30	95 43	100 36	114 -0.56 18	98 0.10 16	85 -9 21	76 -6.0 61	115 4.6 41	100 19 41	82 -5.5 16		107 -11.7 38	100 -3.0 20	108 27.7 44			
CS 250043 99080210 MAGGIE		Q 210021 CS 170213	103 32	95 66	101 47	103 26	114 37	110 34	104 48	107 41	104 -0.08 33	93 0.26 28	96 1 26	95 1.0 66	101 1.3 47	99 15 46	101 4.2 36	77 -39 12	89 -0.3 15	109 -13.9 40	112 -5.7 26	108 27.3 46	77 -10 15	84 -7 14
CS 250051 99080327 ELLIE	1	Q 210021 CS 160090	73 32	125 66	122 46	84 25	97 36	106 33	119 48	113 40	79 1.18 33	75 0.75 28	115 19 25	125 11.4 66	122 6.1 46	129 81 46	128 17.8 36	107 28 12	114 9.3 16	85 5.9 39	95 -1.8 24	108 27.4 45	98 1 16	108 11 15

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ID Number Name																										
CS 250052 99099442 TINKERBELL	3	CS 200304 CS 160145		92 22	109 62	127 36	89 20	91 35	99 30	108 43	103 36	98 0.23 22	73 0.80 20	109 13 20	109 5.9 62	127 7.4 36	125 74 39	114 10.6 18			84 6.8 38	81 1.6 23	112 29.7 44			
CS 250053 99099459 MAGENTA		CS 200304 CS 090144		110 20	82 49	131 43	107 21	85 35	92 29	89 39	89 34	112 -0.48 21	87 0.42 14	93 -2 21	82 -3.7 49	131 8.2 43	115 52 38	88 -2.3 22	101 13 15	94 1.6 17	77 13.1 38	85 0.7 24	101 23.9 44	99 1 18	98 3 17	
CS 250054 99099863 DOLLY	1	CS 200093 CS 170031		106 25	93 64	121 43	103 21	101 36	105 32	103 46	104 39	108 -0.25 26	88 0.38 21	95 0 21	93 0.0 64	121 5.8 43	114 48 43	98 2.5 19	100 11 14	104 5.2 18	92 0.8 39	98 -2.4 23	109 28.2 46	96 0 18	97 3 17	
CS 250055 99099871 ESCOURT	1	CS 190043 CS 220001		117 20	73 61	104 39	120 23	115 36	111 31	94 44	101 38	115 -0.61 21	106 -0.13 18	81 -13 23	73 -7.1 61	104 1.9 39	89 -7 41	76 -8.4 18	76 -42 10	77 -4.9 13	105 -10.1 39	118 -7.0 23	106 26.4 45	73 -12 14	73 -16 13	
CS 250061 99099509 TINKERBELL	1	CS 190043 CS 220008		109 27	85 62	98 41	103 27	112 37	102 32	89 46	94 39	108 -0.28 27	102 0.01 25	96 1 27	85 -2.8 62	98 0.6 41	87 -10 43	87 -2.6 25	85 -21 16	82 -3.0 19	99 -5.8 39	112 -5.8 25	108 27.4 46	80 -8 20	79 -11 19	
CS 250063 99100000 ROXETTE	3	CS 210300 CS 140602		115 16	83 66	117 44	120 16	108 35	115 31	109 45	112 38	115 -0.62 18	96 0.17 7	80 -14 16	83 -3.5 66	117 4.9 44	111 41 42	87 -2.7 11		79 -4.1 8	113 -17.4 38	101 -3.2 19	106 26.4 47	87 -5 10	84 -7 7	
CS 250067 99289225 ROMELIA		CS 210300 CS 110155		94 21	101 66	108 48	113 30	93 35	101 34	110 48	105 41	95 0.36 21	92 0.29 19	88 -6 30	101 2.9 66	108 2.8 48	113 47 48	99 3.2 20	93 -3 11	87 -1.3 14	91 0.9 35	89 -0.3 21	104 25.1 48	96 0 14	94 0 13	
CS 250070 99099541 DONNA MAK	7	CS 200093 CS 220299		95 6	102 39	128 29	92 5	92 30	99 21	104 29	101 25	100 0.14 7		105 9 5	102 3.4 39	128 7.6 29	123 68 24	107 7.0 6			81 9.9 38	85 0.7 12	113 30.0 39			
CS 250072 99099566 SNYBERG		Q 210021 CS 140102		100 30	93 67	118 48	102 24	102 36	105 33	103 48	103 40	102 0.03 31	87 0.42 27	96 1 24	93 0.2 67	118 5.2 48	112 43 46	101 4.3 34	81 -31 12	94 1.7 15	101 -6.8 39	95 -1.6 24	110 28.4 45	81 -8 15	88 -4 14	
CS 250073 99099707 MAGENTA	5	CS 190043 CS 220028		102 24	92 62	101 42	100 26	116 35	109 32	99 45	103 38	102 0.02 25	95 0.20 22	98 3 26	92 -0.1 62	101 1.2 42	95 7 43	95 1.3 20			100 -6.4 39	118 -7.1 20	109 27.9 46			
CS 250074 99099681 MAGGIE	4	CS 190043 CS 200083		94 18	101 61	101 42	95 19	112 34	107 30	103 43	104 36	95 0.38 18	93 0.25 15	102 7 19	101 3.0 61	101 1.1 42	100 17 41	102 4.7 13			100 -6.1 38	114 -6.1 19	108 27.4 44	85 -6 5		
CS 250075 99099699 CS 250075	7	CS 200093 CS 190152		122 20	68 63	110 38	117 16	96 34	92 29	78 43	83 36	120 -0.88 20	100 0.06 18	84 -10 16	68 -8.8 63	110 3.3 38	88 -7 39	75 -8.6 11			90 1.9 39	95 -1.7 18	104 25.2 45			

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ID Number Name																								
CS 250077 99099723 MEDUSA	1	CS 210300 CS 130057	103 28	101 67	102 47	101 24	106 39	105 34	106 49	105 42	105 -0.11 28	91 0.30 25	97 2 24	101 2.8 67	102 1.5 47	103 25 46	99 3.4 22	95 0 13	89 -0.6 16	100 -5.9 40	107 -4.5 28	104 25.2 48	92 -2 16	92 -1 15
CS 250078 99099731 CS 250078	3	CS 200304 CS 140037	103 26	91 64	117 43	97 24	96 36	95 32	93 46	93 39	103 -0.04 26	93 0.24 25	100 5 24	91 -0.5 64	117 5.0 43	107 33 44	94 1.0 24	97 4 5	97 2.5 10	92 0.3 38	97 -2.1 26	100 23.3 45	88 -4 11	93 0 10
CS 250079 99099749 TINKERBELL	5	CS 170110 CS 230118	123 22	77 62	101 41	113 26	127 34	120 31	97 45	108 38	121 -0.92 22	101 0.02 19	89 -5 26	77 -5.4 62	101 1.3 41	86 -12 43	81 -5.9 22			137 -36.8 41	116 -6.6 16	112 29.7 46		
CS 250080 99099756 CS 250080	1	CS 190043 EX 200517	100 20	103 62	100 38	114 20	98 31	104 29	113 42	109 36	101 0.06 20	94 0.24 18	88 -7 20	103 3.6 62	100 1.0 38	108 36 40	102 5.0 24	93 -4 9	108 6.8 12	101 -7.0 30	91 -0.8 20	105 25.9 42	89 -3 13	94 1 12
CS 250082 99099772 CS 250082	5	CS 200093 CS 190148	122 21	77 64	87 44	124 28	107 35	102 32	94 46	97 39	119 -0.82 21	105 -0.08 19	76 -17 28	77 -5.3 64	87 -2.0 44	79 -27 45	82 -5.3 16			109 -14.1 39	102 -3.4 21	106 26.3 45		
CS 250083 99099780 RAKA	1	CS 200093 CS 140644	111 22	82 64	134 42	110 22	110 37	119 32	107 46	113 39	113 -0.51 22	85 0.47 20	90 -5 22	82 -3.7 64	134 9.0 42	120 63 43	92 -0.3 20	99 11 10	97 2.8 15	109 -14.1 40	104 -3.8 25	109 28.1 47	98 1 16	100 5 14
CS 250084 99099798 CS 250084	1	CS 200020 CS 120039	118 25	73 63	101 48	119 27	101 39	97 34	86 48	90 41	115 -0.62 26	110 -0.23 23	82 -12 27	73 -6.8 63	101 1.2 48	86 -12 46	75 -8.7 24	78 -37 13	78 -4.7 17	98 -4.9 42	100 -2.8 27	104 25.2 48	71 -12 17	73 -15 16
CS 250087 99099822 MEDUSA	5	CS 170110 CS 230018	121 24	71 60	98 40	116 24	127 35	117 31	91 44	103 38	127 -1.21 25	101 0.01 22	86 -8 24	71 -7.8 60	98 0.5 40	79 -28 41	75 -8.9 18			129 -30.6 41	119 -7.4 17	112 29.6 46		
CS 250095 99100075 CS 250095	4	EX 160001 EX 200018	123 41	74 71	106 53	121 38	109 43	108 40	96 55	101 48	124 -1.09 42	95 0.20 35	79 -15 38	74 -6.5 71	106 2.4 53	93 3 54	77 -8.0 46	85 -20 25	106 6.1 37	106 -11.3 50	110 -5.1 26	102 24.1 53	92 -2 32	82 -9 30
CS 250096 99100083 TINKERBELL	1	Q 210021 CS 200007	91 30	102 65	112 44	89 28	109 35	106 33	101 47	103 40	94 0.42 31	85 0.49 27	109 13 28	102 3.2 65	112 3.9 44	107 34 46	108 7.6 34	88 -14 11	98 3.1 16	89 3.2 39	107 -4.6 23	115 31.2 43	84 -6 15	93 0 14
CS 250099 99289167 ESCOURT	6	CS 200304 CS 100060	111 26	83 65	123 44	97 27	97 37	95 33	86 47	89 40	113 -0.51 26	88 0.39 25	100 5 27	83 -3.3 65	123 6.3 44	105 30 45	89 -1.8 20			96 -2.7 39	97 -2.1 25	100 23.2 46		
CS 250104 99100141 RAKA	2	CS 200304 CS 100172	98 28	102 47	106 43	95 28	99 37	98 30	101 40	99 35	100 0.14 28	92 0.27 26	102 7 28	102 3.3 47	106 2.5 43	105 30 39	103 5.2 24	101 14 5	101 4.1 9	105 -10.6 39	96 -1.8 26	100 23.2 45	96 0 10	101 6 9

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ID Number Name																									
CS 250105 99184343 ESCOURT	1	CS 200020 CS 120629	113 24	84 45	83 45	117 23	109 38	100 30	91 39	94 34	110 -0.38 25	109 -0.20 21	86 -8 23	84 -2.9 45	83 -2.9 45	78 -31 38	85 -3.8 23	85 -21 12	82 -3.2 15	93 -0.4 41	121 -7.8 26	98 21.9 46	79 -8 16	80 -10 15	
CS 250110 99184376 ESCOURT	1	CS 200304 CS 170078	119 21	75 43	115 36	113 23	101 36	101 27	88 36	93 32	117 -0.73 21	100 0.06 21	88 -7 23	75 -6.2 43	115 4.6 36	98 14 34	81 -5.8 20		83 -2.6 7	100 -6.6 38	95 -1.7 25	107 26.9 44	89 -3 8	87 -5 7	
CS 250113 99184400 RAKA		CS 210300 CS 150184	111 24	99 69	91 46	117 23	103 38	105 34	109 49	107 42	109 -0.33 24	106 -0.12 22	85 -9 23	99 2.1 69	91 -1.1 46	97 13 46	98 2.7 20	85 -22 12	80 -4.0 14	102 -8.0 40	98 -2.4 26	106 26.5 47	91 -3 15	87 -5 14	
CS 250114 99184418 RAKA		CS 200020 CS 120053	114 24	83 63	103 49	117 31	120 39	118 35	104 49	110 42	112 -0.45 25	106 -0.11 22	85 -9 31	83 -3.5 63	103 1.6 49	95 6 48	86 -3.4 24	83 -26 14	81 -3.4 17	113 -16.7 42	120 -7.7 28	107 26.9 48	82 -7 18	82 -8 17	
CS 250117 99184442 VARA	1	Q 210021 CS 160118	91 33	106 66	116 47	94 24	101 37	104 34	109 48	107 41	95 0.36 34	82 0.56 29	103 8 24	106 4.8 66	116 4.8 47	116 54 46	111 9.5 36	93 -4 12	107 6.5 16	88 3.6 40	97 -2.1 25	112 29.5 45	87 -5 16	95 1 15	
CS 250121 99184483 ROXETTE	4	CS 200304 CS 180005	105 22	92 43	120 36	97 17	90 34	91 26	92 35	91 30	108 -0.27 22	84 0.52 21	100 5 17	92 -0.3 43	120 5.8 36	110 40 32	97 2.1 18		88 3.6 38	77 2.5 20	113 30.3 43				
CS 250124 99298820 CS 250124	2	EX 160001 CS 210084	117 36	86 57	102 45	114 34	127 41	125 35	109 47	117 41	118 -0.75 37	89 0.37 32	87 -7 34	86 -2.2 57	102 1.5 45	96 9 45	89 -1.7 38	94 -1 18	106 6.1 32	124 -26.3 48	125 -8.8 25	108 27.4 50	102 3 24	98 4 22	
CS 250127 99298853 ROXETTE	1	CS 200020 CS 130004	117 25	80 46	101 46	118 26	120 39	117 31	101 41	108 36	114 -0.57 26	107 -0.14 23	84 -10 26	80 -4.6 46	101 1.1 46	90 -3 39	83 -4.8 24	84 -22 15	86 -1.7 18	116 -19.5 43	118 -7.0 28	109 28.1 47	81 -7 18	82 -8 17	
CS 250128 99298861 MADONNA	2	CS 200304 CS 100294	115 21	84 49	118 43	111 29	99 36	103 30	97 41	99 36	116 -0.67 21	91 0.30 21	90 -5 29	84 -3.2 49	118 5.2 43	107 34 40	89 -1.6 23		94 1.6 7	96 -3.1 38	98 -2.4 25	102 24.5 46	98 1 8	96 2 7	
CS 250132 99298903 TINKERBELL	8	CS 200001 CS 110065	101 22	100 48	92 48	109 23	105 36	103 30	104 40	103 35	101 0.10 23	102 0.00 19	93 -2 23	100 2.5 48	92 -0.9 48	96 9 40	98 2.6 11		102 -8.2 40	98 -2.4 20	110 28.4 48				
CS 250136 6020046923 ESCOURT	4	CS 200020 CS 110054	93 26	101 46	132 46	87 22	102 38	106 30	103 40	104 35	97 0.25 27	81 0.59 22	110 14 22	101 2.8 46	132 8.5 46	122 66 38	103 5.2 23	121 59 15	105 5.7 22	93 -0.1 42	102 -3.3 24	106 26.5 48	111 7 23	109 12 21	
CS 250137 99298945 TINKERBELL	2	CS 160211 CS 230001	103 27	95 45	106 35	92 23	101 37	95 28	90 37	92 32	103 -0.03 27	95 0.19 25	106 10 23	95 1.0 45	106 2.4 35	98 14 34	96 1.9 21	100 12 11	105 5.8 14	95 -2.2 42	100 -2.9 22	105 26.1 47	92 -2 14	95 1 13	

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ID Number Name																									
CS 250139 99298960 CS 250139	2	CS 200093 CS 170282	118 20	80 44	112 36	116 21	105 36	107 27	98 36	102 32	117 -0.72 20	97 0.14 19	85 -9 21	80 -4.4 44	112 3.8 36	101 21 34	88 -2.4 17			102 -8.0 40	94 -1.5 24	115 31.0 44			
CS 250140 99298994 MOOIBEKKIE	5	CS 200001 CS 150621	109 13	88 42	90 45	117 13	117 34	112 26	103 35	107 30	108 -0.25 16		85 -9 13	88 -1.5 42	90 -1.4 45	87 -10 33	88 -2.3 13			109 -13.3 38	111 -5.6 17	113 30.3 46			
CS 250141 99299000 RAKA	2	CS 200093 CS 190112	105 20	89 42	126 35	99 20	91 34	94 26	93 35	93 30	107 -0.22 20	86 0.45 18	98 3 20	89 -1.4 42	126 7.0 35	114 48 32	95 1.0 16			81 9.6 38	86 0.5 21	110 28.5 44	95 -1 6		
CS 250143 99299026 VINE	4	CS 200001 CS 200123	96 19	104 40	83 39	119 23	107 34	108 27	114 35	111 31	97 0.28 20	96 0.17 16	83 -10 23	104 3.9 40	83 -3.0 39	95 7 34	102 4.6 9			98 -4.6 38	105 -4.0 18	109 27.9 45			
CS 250144 99299034 WENDY		EX 160001 CS 210276	125 35	77 49	80 45	119 31	108 36	96 31	84 42	89 36	122 -0.99 36	106 -0.12 31	84 -10 31	77 -5.3 49	80 -3.6 45	69 -49 42	78 -7.4 38	84 -25 20		96 2.3 33	117 -20.5 40	107 -4.6 22	97 21.4 46	99 1 25	93 0 24
CS 250147 99910093 MADONNA		CS 200001 CS 200109	106 19	92 40	106 40	109 27	112 34	112 27	105 36	108 32	107 -0.21 19	95 0.20 17	92 -2 27	92 -0.3 40	106 2.4 40	101 21 36	94 0.8 14			92 0.8 9	97 -4.1 38	106 -4.3 22	118 32.7 42	93 -1 10	95 1 9
CS 250152 99449126 ESCOURT	3	CS 200304 CS 100105	100 26	96 49	121 42	94 24	97 37	98 30	97 40	97 35	101 0.06 26	90 0.35 25	103 8 24	96 1.1 49	121 6.0 42	113 46 38	100 3.5 22			100 3.9 8	96 -3.2 39	95 -1.6 25	102 24.5 46	93 -2 10	100 5 8
CS 250154 99449142 RAKA	1	CS 210300 CS 140105	113 22	90 51	111 45	109 25	104 37	107 31	101 41	104 36	113 -0.51 22	97 0.14 19	92 -3 25	90 -1.0 51	111 3.7 45	105 29 40	93 0.0 18	94 -3 10		87 -1.2 13	101 -7.5 39	101 -3.1 25	106 26.3 46	98 1 14	94 0 13
CS 250156 99449167 VINE	2	EX 160001 CS 200076	113 41	88 56	97 52	116 39	120 46	118 38	107 50	113 44	114 -0.58 42	88 0.40 36	86 -9 39	88 -1.5 56	97 0.4 52	94 6 49	90 -1.3 41	96 2 21		107 6.3 34	110 -14.4 52	122 -8.1 32	106 26.5 54	96 0 27	96 2 25
CS 250158 99450256 CS 250158		EX 160001 CS 200260	117 35	83 46	97 39	114 31	110 36	105 30	94 40	99 35	117 -0.71 36	96 0.16 31	88 -7 31	83 -3.4 46	97 0.3 39	88 -7 39	85 -3.8 38	89 -12 20		101 4.0 33	116 -19.1 40	108 -4.9 22	100 23.1 47	103 4 25	99 4 24
CS 250162 99450280 TINKERBELL	10	CS 200001 CS 150294	91 17	106 44	104 41	97 20	115 34	114 27	113 36	114 32	93 0.45 18	88 0.39 12	101 5 20	106 4.7 44	104 1.8 41	107 33 35	107 7.3 7			108 -13.3 40	106 -4.3 18	116 31.9 45			
CS 250163 99450298 CS 250163		EX 160001 CS 210277	117 35	83 46	97 39	114 31	107 35	103 30	93 39	97 34	117 -0.71 36	96 0.16 31	88 -7 31	83 -3.4 46	97 0.3 39	88 -7 39	85 -3.8 38	89 -12 20		101 4.0 33	116 -19.1 40	108 -4.9 22	95 20.3 44	103 4 25	99 4 24

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ID Number Name																										
CS 250165 99450314 ESCOURT	5	CS 190043 CS 220606	99 24	94 47	100 38	97 21	108 35	101 28	94 38	96 33	100 0.13 24	96 0.18 22	101 6 21	94 0.5 47	100 1.0 38	94 5 35	96 1.7 20			103 -8.5 39	105 -4.0 20	109 28.0 45	88 -4 6			
CS 250166 99450322 BROKEN CHASSIS		EX 160001 CS 200263	117 35	83 46	97 39	114 31	110 36	105 30	94 40	99 35	117 -0.71 36	96 0.16 31	88 -7 31	83 -3.4 46	97 0.3 39	88 -7 39	85 -3.8 38	89 -12 20	101 4.0 33	116 -19.1 40	108 -4.9 22	100 23.1 47	103 4 25	99 4 24		
CS 250170 99857831 ESCOURT	5	CS 190043 CS 190156	100 18	97 43	93 39	112 19	109 34	107 27	105 36	106 32	100 0.14 18	98 0.10 15	90 -4 19	97 1.4 43	93 -0.6 39	95 8 34	95 1.2 11			104 -9.7 38	107 -4.4 18	106 26.4 46				
CS 250171 6020050016 TINKERBELL	2	EX 160001 CS 210083	122 38	82 59	69 50	124 37	119 43	107 37	96 49	101 43	120 -0.86 39	104 -0.05 33	78 -16 37	82 -3.9 59	69 -6.2 50	65 -58 49	82 -5.3 40	81 -30 18	96 2.3 32	120 -22.7 50	126 -9.1 28	95 20.6 51	90 -3 24	87 -5 22		
CS 250174 99857856 LEBOWA		CS 200304 CS 110608	99 10	94 41	130 39	92 13	88 24	93 22	94 31	93 26	102 0.02 10	85 0.48 10	104 9 13	94 0.6 41	130 8.0 39	118 58 31	99 3.4 14			100 3.7 5	88 3.5 20	83 1.1 12	104 25.1 40	109 6 6	108 11 5	
CS 250175 99857872 RAKA	2	CS 190043 CS 220047	88 19	114 45	113 36	94 19	103 33	109 26	117 36	114 31	92 0.54 20	83 0.54 17	104 8 19	114 7.4 45	113 4.0 36	119 61 33	111 9.3 19	109 32 11	110 7.7 15	95 -2.0 37	100 -2.9 20	109 28.1 42	109 6 15	110 13 14		
CS 250179 99857914 TINKERBELL	1	CS 190043 CS 220078	109 22	86 45	103 35	107 19	113 34	108 26	95 36	101 31	108 -0.29 23	99 0.09 20	94 -1 19	86 -2.3 45	103 1.8 35	94 4 33	87 -3.0 22	91 -8 6	90 0.1 10	103 -9.0 38	112 -5.6 21	109 27.8 44	86 -5 10	86 -6 9		
CS 250180 99857922 MAK	4	CS 190043 CS 220127	97 10	103 45	106 35	103 17	117 31	118 25	117 34	118 30	99 0.19 11	89 0.36 6	96 1 17	103 3.7 45	106 2.4 35	109 39 32	103 5.0 9			107 -12.2 38	112 -5.6 14	114 30.7 42				
CS 250181 99857930 ESCOURT		Q 210021 CS 190078	95 30	102 47	109 39	92 25	106 35	103 29	102 39	102 34	97 0.25 31	87 0.43 26	105 10 25	102 3.3 47	109 3.2 39	106 32 37	106 6.8 35	93 -4 13	98 3.1 16	98 -4.3 39	100 -3.0 23	111 29.2 44	89 -4 16	95 1 15		
CS 250183 99857955 TINKERBELL	5	CS 190043 CS 220033	103 18	94 45	96 35	114 17	101 32	101 25	101 35	101 30	103 -0.03 19	99 0.07 16	88 -6 17	94 0.5 45	96 0.1 35	97 11 32	93 0.3 14			93 1.2 13	97 -3.4 37	99 -2.7 16	104 25.2 43	81 -8 15	85 -6 12	
CS 250184 99857963 NEMESIA		EX 160001 CS 210282	117 35	83 46	97 39	114 31	110 36	105 30	94 40	99 35	117 -0.71 36	96 0.16 31	88 -7 31	83 -3.4 46	97 0.3 39	88 -7 39	85 -3.8 38	89 -12 20	101 4.0 33	116 -19.1 40	108 -4.9 22	99 22.9 46	103 4 25	99 4 24		
CS 250186 99857989 ESCOURT	3	EX 160001 CS 130222	110 37	93 58	90 54	102 34	124 44	113 37	101 49	107 43	111 -0.41 38	93 0.24 33	97 2 34	93 0.3 58	90 -1.4 54	87 -11 49	93 0.2 40	101 13 19	112 8.4 33	123 -25.2 50	130 -9.8 28	98 22.1 53	106 5 25	103 7 23		

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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																									
CS 250187 99858003 FAIRY	4	CS 200001 CS 150017	98 20	106 46	83 46	108 20	113 34	109 28	111 38	110 33	97 0.28 21	102 -0.01 18	94 -1 20	106 4.7 46	83 -2.8 46	93 3 37	103 5.1 11			114 -17.7 39	102 -3.3 19	114 30.5 44			
CS 250192 6020120108 CS 250192		CS 190043 CS 220609	103 14	92 31	102 26	108 14	98 24		95 25		103 -0.02 14	100 0.06 13	93 -2 14	92 -0.4 31	102 1.5 26	98 14 24	92 -0.2 12			88 -0.6 5	99 -5.8 24	95 -1.8 15	102 24.4 34	93 -1 5	92 -1 5
CS 250198 99858094 TINKERBELL	3	CS 200304 CS 150639	98 22	102 43	126 36	90 20	91 34	96 26	100 35	98 30	103 -0.02 22	77 0.70 20	107 11 20	102 3.3 43	126 7.2 36	120 61 33	107 7.3 20			88 3.8 38	83 1.1 23	108 27.8 42			
CS 250199 99937955 RAKA	1	CS 190043 CS 220147	106 26	87 48	107 40	105 25	112 36	108 29	97 39	102 34	106 -0.16 27	96 0.17 24	95 0 25	87 -2.0 48	107 2.6 40	97 12 38	91 -0.8 26	90 -10 16		87 -1.1 19	99 -5.0 40	111 -5.5 24	111 29.1 44	86 -5 20	84 -7 19
CS 250201 99937963 CS 250201	4	CS 190043 CS 220132	88 15	112 45	107 35	94 17	104 31	106 25	113 35	110 30	91 0.55 16	84 0.52 13	103 8 17	112 6.8 45	107 2.6 35	113 46 32	110 9.0 11			95 -2.1 37	102 -3.3 15	108 27.7 41			
CS 250205 6020046840 CS 250205	1	Q 210021 CS 171303	70 31	129 64	122 44	81 23	106 36	114 32	124 46	120 39	77 1.24 32	68 0.97 28	120 23 23	129 12.9 64	122 6.0 44	129 82 44	132 19.7 34	113 41 9		118 10.5 13	98 -4.6 39	102 -3.5 23	109 27.9 45	105 4 13	114 16 12
CS 250304 99080293 CS 250304	1	CS 200093 CS 170373	101 19	93 64	117 44	100 18	93 35	94 31	96 45	94 38	102 0.00 19	91 0.32 18	97 2 18	93 0.1 64	117 4.9 44	109 38 42	96 1.7 18			92 0.2 39	79 2.1 22	114 30.7 45			
CS 250305 99080301 CS 250305	1	CS 200093 CS 160327	91 22	95 64	129 45	92 17	81 36	85 31	90 45	86 38	93 0.45 22	86 0.44 19	105 9 17	95 0.7 64	129 7.8 45	117 56 42	99 3.2 16			78 11.7 40	73 3.5 23	107 27.0 46			
CS 250306 99080319 CS 250306	1	CS 200093 CS 190330	97 17	99 63	110 41	95 22	82 30	82 29	91 43	86 36	99 0.19 17	91 0.30 15	102 7 22	99 2.3 63	110 3.2 41	106 31 42	101 4.3 15			81 9.8 31	70 4.1 16	111 29.1 44			
CS 250308 99099848 CS 250308	1	EX 160001 CS 210332	108 36	93 71	95 48	106 32	97 41	93 37	92 52	92 44	108 -0.30 37	92 0.27 31	95 0 32	93 0.1 71	95 -0.2 48	92 0 50	93 0.3 42	94 -2 19		107 6.4 32	106 -11.2 49	91 -0.8 24	102 24.0 51	102 3 24	99 4 22
CS 250309 99099855 CS 250309	2	CS 200093 CS 140319	104 23	84 65	123 42	103 18	80 37	82 31	83 46	82 38	105 -0.10 23	93 0.26 21	95 0 18	84 -3.2 65	123 6.3 42	108 36 42	90 -1.3 18			82 8.7 40	71 3.9 24	105 26.1 47	84 -6 5		
CS 250311 99184491 CS 250311		CS 190043 CS 220360	111 14	83 58	98 34	117 14	98 25	96 25	91 38	93 32	109 -0.33 14	105 -0.10 13	85 -9 14	83 -3.5 58	98 0.5 34	90 -3 35	84 -4.3 12			79 -4.4 5	102 -7.7 24	94 -1.4 15	103 24.8 36	83 -6 5	81 -9 5

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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																									
CS 250312		CS 190043	90	106	110	98	99	102	109	106	92	90	99	106	110	113	106		97	96	97	103	101	102	
99184509		CS 220361	14	58	34	14	25	25	38	32	0.50	0.33	4	4.8	3.2	47	6.6		2.5	-3.3	-2.3	24.7	3	6	
CS 250312											14	13	14	58	34	35	12		5	24	15	37	5	5	
CS 250313	3	EX 160001	117	63	95	122	106	95	77	85	131	97	78	63	95	73	68	75	90	110	104	101	89	80	
99184517		CS 200313	38	70	52	38	44	39	54	46	-1.40	0.12	-15	-10.5	-0.1	-42	-12.2	-43	-0.1	-14.7	-3.8	23.8	-4	-10	
CS 250313											39	34	38	70	52	53	40	17	32	50	28	53	24	22	
CS 250314		EX 160001	124	74	96	119	110	105	90	96	122	100	82	74	96	83	78	81	94	117	107	101	97	91	
99184525		CS 200361	35	67	48	31	36	35	49	42	-0.99	0.05	-12	-6.4	0.1	-20	-7.4	-30	1.6	-20.5	-4.6	23.9	1	-2	
CS 250314											36	31	31	67	48	49	38	20	33	40	22	47	25	24	
CS 250315		CS 210300	100	99	105	105	90	92	99	95	101	96	95	99	105	106	99	97	93	94	86	100	99	98	
99184533		CS 130321	21	43	35	19	32	25	35	30	0.08	0.16	0	2.1	2.2	30	3.1	5	1.0	-1.6	0.4	23.1	1	3	
CS 250315											21	19	19	43	35	32	17	13	15	30	19	48	15	15	
CS 250316	3	CS 200093	90	104	119	93	95	98	104	101	94	81	104	104	119	116	107			88	93	105			
99184541		CS 190329	21	64	42	24	35	32	45	38	0.42	0.58	8	3.9	5.3	54	7.3		3.8	-1.3	25.9				
CS 250316											21	19	24	64	42	43	16		38	21	45				
CS 250320	1	Q 210021	82	122	100	87	113	113	118	116	86	81	113	122	100	111	124	99	112	103	114	107	89	101	
99298788		CS 150323	35	54	47	27	38	32	44	38	0.82	0.58	16	10.4	1.1	42	15.6	10	8.2	-9.0	-6.1	27.1	-3	6	
CS 250320											36	31	27	54	47	43	37	10	15	41	27	46	15	14	
CS 250321		CS 190043	108	88	103	114	109	109	102	105	108	95	87	88	103	99	88	84	91	99	108	108	87	86	
99298796		CS 220307	20	46	37	19	34	27	37	32	-0.29	0.19	-7	-1.5	1.8	15	-2.0	-23	0.3	-5.3	-4.7	27.5	-4	-6	
CS 250321											21	17	19	46	37	34	20	16	19	38	21	44	19	18	
CS 250325		EX 160001	117	83	97	114	110	106	95	99	117	96	88	83	97	88	85	89	101	116	108	100	103	99	
99450363		CS 200362	35	46	39	31	36	30	40	35	-0.71	0.16	-7	-3.4	0.3	-7	-3.8	-12	4.0	-19.1	-4.9	23.4	4	4	
CS 250325											36	31	31	46	39	39	38	20	33	40	22	46	25	24	
CS 250328	3	EX 160001	115	85	83	120	114	107	97	102	115	97	82	85	83	79	87	90	104	118	122	92	96	95	
99857807		CS 210304	38	58	47	34	43	36	48	42	-0.61	0.12	-11	-2.8	-3.0	-27	-2.7	-10	5.2	-20.9	-7.9	18.9	0	2	
CS 250328											39	33	34	58	47	46	42	17	33	50	26	52	24	22	
CS 250329	2	CS 190043	98	99	105	92	105	100	95	97	100	90	106	99	105	100	101	98	90	91	107	107	99	96	
99857815		CS 220300	25	41	38	22	35	27	36	32	0.13	0.33	11	2.3	2.2	18	4.4	8	0.1	0.9	-4.6	26.9	1	2	
CS 250329											25	23	22	41	38	34	24	14	17	38	22	45	18	17	
TX 250012	1	EX 220027	79	113	131	81	107	112	109	110	85	73	119	113	131	125	113	110	114	85	111	108	125	124	
98773047		Q 170005	57	53	48	34	37	34	45	40	0.88	0.82	22	7.1	8.1	72	10.1	35	9.1	5.9	-5.5	27.5	15	23	
MALTS											60	40	34	53	48	45	42	30	34	41	25	44	36	34	
TX 250036	3	EX 220027	65	131	115	79	98	104	115	110	51	96	123	131	115	125	123	111	112	83	106	99	125	124	
99444549		Q 170099	58	53	47	34	36	34	45	40	2.54	0.16	26	13.7	4.6	72	15.3	36	8.5	7.9	-4.3	22.5	14	23	
GIANDUIA											61	42	34	53	47	45	43	30	35	39	25	43	36	34	

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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
CS 260003 6020046857 MAK	EX 180022 CS 230038			100 33	104 50	113 37	106 25	91 35	99 29	109 40	104 34	103 -0.01 34	84 0.51 28	94 0 25	104 4.0 50	113 4.0 37	117 55 37	106 6.9 32	107 27 29	107 6.3 34	88 3.9 40	98 -2.5 19	91 18.5 45	107 5 35	103 7 33
CS 260005 6020279821 ROMELIA	Q 210021 CS 190016			71 30	120 50	119 47	82 34	113 34	116 32	117 42	117 37	76 1.30 31	80 0.62 26	118 21 34	120 9.7 50	119 5.4 47	121 65 44	121 14.3 34	108 29 11	112 8.4 14	96 -3.1 38	112 -5.6 22	114 30.5 41	101 2 14	110 7 13
CS 260006 6020279839 AMY	EX 180022 CS 230651	1		102 27	97 40	119 32	101 24	93 31	99 25	103 34	101 30	105 -0.12 27	83 0.54 26	97 2 24	97 1.7 40	119 5.4 32	115 52 32	100 3.8 28	108 29 29	107 6.4 34	88 3.5 33	93 -1.2 19	102 24.3 41	108 6 35	105 9 33
CS 260009 6020579451 ROXETTE	EX 180022 CS 230019	3		102 28	93 50	124 38	111 26	89 36	100 30	104 40	102 35	105 -0.11 28	84 0.51 26	89 -5 26	93 0.0 50	124 6.7 38	120 63 38	97 2.3 28	103 17 27	106 6.2 33	86 5.2 42	91 -0.7 21	97 21.8 46	96 0 34	94 1 32
CS 260011 6020606783 TINKERBELL	EX 180022 CS 230028	2		97 29	102 50	109 40	104 29	99 37	103 31	108 41	106 36	99 0.15 29	86 0.45 27	95 0 29	102 3.4 50	109 3.2 40	112 44 40	103 5.3 29	107 26 28	107 6.5 34	86 5.3 43	109 -5.0 22	95 20.7 46	103 4 35	100 5 33
CS 260013 6020606817 TINKERBELL	CS 200211 CS 220276	4		93 18	107 36	102 34	95 15	120 30	118 23	114 30	116 26	94 0.40 19	93 0.24 15	103 7 15	107 5.1 36	102 1.5 34	106 31 28	104 5.8 10		110 7.6 5	107 -11.8 35	119 -7.4 17	113 30.0 38	102 3 7	
CS 260014 6020606825 ROXETTE	EX 180022 CS 230068	2		99 33	101 51	103 40	114 28	102 37	108 31	113 41	111 36	102 0.03 33	86 0.45 31	87 -7 28	101 3.0 51	103 1.7 40	109 39 40	101 4.1 35	105 22 29	113 8.8 37	95 -2.2 42	107 -4.6 22	98 22.1 46	101 2 36	100 5 34
CS 260015 6020606833 TINKERBELL	CS 210300 CS 140180			98 29	103 50	104 39	107 25	106 38	109 30	112 41	111 36	98 0.22 30	97 0.14 26	94 -1 25	103 3.6 50	104 2.0 39	108 36 38	102 4.9 20	100 11 12	97 2.8 15	106 -10.9 41	104 -3.8 27	103 25.0 46	94 -1 16	98 3 15
CS 260017 6020606858 RAKA	CS 200211 CS 220014	1		89 21	110 40	98 35	82 21	108 32	99 25	93 34	95 30	90 0.64 21	96 0.16 19	120 23 21	110 6.2 40	98 0.5 35	96 10 32	106 6.8 15	109 33 6	107 6.4 9	105 -10.4 35	102 -3.3 22	111 28.9 39	100 2 9	105 9 8
CS 260021 6020606890 CS 260021	XA 160036 EX 180225			99 45	113 58	108 47	82 33	100 40	99 35	100 47	99 41	102 0.03 47	83 0.54 33	118 21 33	113 7.3 										

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ID Number Name																									
CS 260025 6020606924 RAKA	1	CS 200001 CS 230080	108 24	95 45	101 38	111 23	112 33	113 27	108 37	110 32	108 -0.27 25	94 0.22 21	91 -4 23	95 0.9 45	101 1.2 38	101 20 35	95 1.4 25	97 6 8	102 4.6 17	109 -14.1 39	103 -3.7 19	113 30.2 41	96 0 13	95 1 12	
CS 260026 6020606940 VINE		XA 160036 CS 210060	107 42	100 54	132 37	96 22	93 38	103 30	108 42	106 36	111 -0.41 44	76 0.72 29	100 5 22	100 2.5 54	132 8.5 37	127 77 38	107 7.4 38		107 6.5 8	93 -0.5 45	95 -1.7 22	97 21.3 47	106 5 9	108 11 8	
CS 260029 6020611817 MAGENTA	4	CS 200001 CS 230063	109 19	88 44	109 38	113 20	109 31	111 26	105 35	108 30	110 -0.38 21	90 0.33 10	88 -6 20	88 -1.5 44	109 3.1 38	104 27 34	91 -0.9 16		99 3.5 13	100 -6.0 39	100 -2.8 14	117 32.3 41	98 1 9	97 3 5	
CS 260030 6020611791 CS 260030	1	Q 210021 CS 190021	74 29	122 51	120 48	81 35	118 34	123 32	122 43	123 38	80 1.10 30	74 0.78 25	119 22 35	122 10.2 51	120 5.8 48	123 69 45	124 15.8 34	110 33 9	114 9.0 13	99 -5.5 38	118 -7.1 22	115 31.4 41	103 4 13	112 14 12	
CS 260031 6020611825 CS 260031	1	Q 210021 EX 160516	88 33	114 55	102 50	94 36	99 35	101 34	111 45	106 40	90 0.60 34	89 0.37 29	104 8 36	114 7.5 55	102 1.5 50	110 41 47	115 11.0 37	98 8 19	122 12.1 23	93 -0.6 39	97 -2.1 21	106 26.3 44	84 -6 23	96 2 22	
CS 260033 6020611841 CS 260033		EX 220027 WT 140077	105 33	110 42	101 39	87 25	95 35	91 28	96 37	93 32	105 -0.13 33	94 0.23 32	113 17 25	110 6.3 42	101 1.2 39	102 23 35	108 8.0 29	112 38 30	102 4.7 34	85 6.1 40	103 -3.6 24	95 20.6 42	126 15 35	122 22 34	
CS 260036 6020611874 MAK		Q 210021 CS 170063	78 30	118 50	115 47	85 26	123 35	125 31	124 41	125 36	83 0.97 31	79 0.64 27	113 17 26	118 9.1 50	115 4.5 47	120 61 41	120 14.0 34	104 22 10	110 7.5 14	112 -16.5 40	112 -5.6 23	122 35.2 43	99 1 14	108 11 13	
CS 260038 6020621618 CS 260038	1	EX 220027 WT 170055	85 40	124 45	111 41	80 26	94 33	97 29	107 38	102 34	89 0.67 40	84 0.50 39	121 24 26	124 11.0 45	111 3.6 41	117 55 37	121 14.3 32	120 55 32	117 10.3 37	90 2.1 36	94 -1.4 22	101 23.8 42	134 19 39	131 28 37	
CS 260040 6020621600 MAK	1	Q 210021 CS 240052	74 29	125 51	121 38	80 23	112 32	118 28	122 39	121 34	81 1.07 30	71 0.88 25	120 23 23	125 11.6 51	121 5.8 38	126 74 37	127 17.3 34	114 44 7	115 9.4 12	98 -4.9 38	108 -4.7 18	115 31.1 39	106 5 12	114 16 11	
CS 260041 6020621634 MADONNA	2	Q 210021 CS 170293	84 32	110 51	117 47	85 28	103 35	104 31	104 42	104 36	88 0.70 33	80 0.61 29	114 18 28	110 6.3 51	117 4.9 47	115 50 42	114 10.7 37	108 28 12	114 9.1 16	90 2.2 39	106 -4.4 23	104 25.6 44	99 2 16	108 11 15	
CS 260042 6020690886 MOOIBEKKIE	3	CS 200211 CS 120241	85 22	117 42	117 43	87 22	114 36	118 28	121 37	120 32	90 0.61 23	77 0.70 19	112 16 22	117 8.8 42	117 5.0 43	121 65 36	115 11.3 16			102 -7.7 39	113 -5.9 24	110 28.6 44			
CS 260043 6020621642 CS 260043		CS 200001 Q 230127	100 25	100 39	110 35	101 23	102 30	104 25	107 33	105 29	100 0.10 26	98 0.11 18	97 2 23	100 2.8 39	110 3.3 35	110 39 32	101 4.2 24	99 10 5	99 3.5 9	91 1.6 33	94 -1.5 19	115 31.2 39	96 0 9	99 4 8	

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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																					
CS 260044		CS 200001																					
6020621659		CS 230644	101	96	107	102	99		100	101	95	96	96	107	104	97			100	89	111	100	
CS 260044			12	26	26	17	24		24	0.07	0.19	1	1.3	2.7	28	2.2		-5.9	-0.2	29.4		2	
										13	10	17	26	26	23	6		25	14	32		5	
CS 260045	1	Q 210021	86	113	84	90	119	108	105	88	91	110	113	84	91	114	89	102	111	120	107	81	91
6020621667		CS 190128	32	52	48	36	35	33	44	0.70	0.30	14	7.1	-2.8	-1	10.6	-13	4.7	-15.4	-7.5	26.8	-7	-2
CS 260045										33	29	36	52	48	45	38	10	15	39	24	43	15	13
CS 260047	4	CS 180164	95	114	99	95	118	117	120	96	90	103	114	99	108	113			115	114	109		
6020621683		CS 240240	25	48	36	15	32	26	36	0.30	0.32	7	7.6	0.7	37	10.5		-18.4	-6.1	28.0			
CS 260047										26	20	15	48	36	33	18		39	15	42			
CS 260048		CS 200001	92	111	107	101	106	111	120	95	85	97	111	107	117	111		102	98	97	115	105	106
6020621691		CS 230079	25	43	36	22	31	26	35	0.35	0.47	2	6.6	2.7	55	9.4		4.5	-4.6	-2.1	31.2	4	10
ROMMELIA										26	18	22	43	36	34	23		7	37	17	40	8	7
CS 260050	2	CS 200001	92	110	105	96	107	108	114	94	88	101	110	105	111	108			96	95	120		
6020621725		CS 230052	15	43	36	19	31	25	34	0.42	0.38	6	6.2	2.1	42	7.9		-3.1	-1.8	33.7			
MAK										16	9	19	43	36	33	8		39	15	40			
CS 260056	4	CS 210300	112	90	99	111	111	108	101	111	98	91	90	99	95	90		81	102	110	107	85	84
6020621782		CS 150240	18	51	45	15	34	28	39	-0.44	0.11	-4	-0.8	0.7	6	-1.3		-3.5	-8.0	-5.2	27.1	-5	-7
AMMELIA										20	10	15	51	45	37	10		7	38	20	45	9	5
CS 260057	1	Q 210021	100	99	109	98	108	107	105	102	86	100	99	109	107	103	88	100	100	103	111	81	88
6020621790		CS 170013	32	52	48	25	36	31	42	0.02	0.45	4	2.3	3.1	33	5.3	-14	3.6	-6.1	-3.5	29.1	-8	-4
RAKA										33	27	25	52	48	42	36	13	17	39	24	44	17	16
CS 260058	4	CS 170021	99	101	121	95	104	108	109	102	84	102	101	121	117	103			94	100	111		
6020621816		CS 230262	22	45	35	18	33	26	35	0.03	0.49	6	3.0	5.8	56	5.1		-1.0	-2.9	29.2			
ESCOURT										22	20	18	45	35	33	14		39	19	40			
CS 260062	1	CS 200211	95	101	108	94	108	105	102	97	87	104	101	108	104	103	107	99	96	106	111	99	99
6020621857		CS 220004	27	39	38	26	35	27	35	0.27	0.43	8	2.8	2.8	28	5.3	27	3.3	-2.9	-4.3	29.0	2	4
MAGENTA										27	25	26	39	38	34	24	17	19	38	25	41	20	19
CS 260063	1	Q 210021	88	109	115	91	130	130	123	92	81	106	109	115	116	113	100	106	122	120	120	97	103
6020703259		CS 190627	29	50	47	35	34	32	42	0.50	0.58	10	5.8	4.5	53	10.3	12	6.1	-24.6	-7.6	34.0	0	7
MAK										30	26	35	50	47	44	34	9	12	38	22	41	12	11
CS 260067	3	CS 170021	93	112	111	90	104	106	110	97	80	108	112	111	114	111		105	94	103	107	102	103
6020702020		CS 240151	25	46	38	21	35	28	37	0.28	0.61	12	6.8	3.5	49	9.3		5.7	-1.6	-3.5	27.1	3	7
ROXETTE										25	23	21	46	38	35	19		9	41	23	42	9	7
CS 260070		Q 210021	87	108	113	88	117	115	110	91	84	110	108	113	111	111	101	105	102	113	116	91	100
6020702053		CS 170069	31	50	46	24	35	30	41	0.58	0.51	14	5.3	4.0	42	9.0	14	5.8	-8.2	-5.9	31.6	-2	5
ESCOURT										32	27	24	50	46	40	34	13	16	39	24	43	16	15

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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																								
CS 260072 6020701923 FAIRY	3	CS 200001 CS 230074	101 17	96 43	104 36	107 19	101 31	102 25	102 34	102 30	101 0.06 17	96 0.18 15	94 -1 19	96 1.3 43	104 2.1 36	103 25 33	97 2.3 13			98 -4.6 38	90 -0.6 15	114 30.6 40		
CS 260080 6020747371 CS 260080	1	XA 160036 EX 200018	106 45	108 57	120 45	98 33	97 39	106 34	115 46	111 40	109 -0.31 48	82 0.57 32	99 4 33	108 5.4 57	120 5.6 45	123 69 45	110 8.6 46	113 41 22	113 8.6 24	90 1.9 46	102 -3.4 24	96 21.2 48	110 7 25	104 8 24
CS 260081 6020747389 CS 260081		CS 210300 CS 140076	114 22	85 51	110 45	118 20	87 36	92 30	95 41	93 36	113 -0.52 22	99 0.08 20	83 -11 20	85 -2.6 51	110 3.2 45	104 27 39	89 -1.9 20	85 -21 12	85 -2.1 15	93 -0.6 38	80 1.7 24	101 23.8 46	86 -5 16	86 -5 15
CS 260083 6020747405 RAKA	1	Q 210021 CS 190288	88 34	113 52	109 48	87 34	123 37	122 33	117 44	120 38	92 0.50 35	79 0.64 30	111 15 34	113 7.2 52	109 3.1 48	112 44 45	115 11.3 36	103 18 13	109 7.2 17	111 -15.2 41	120 -7.6 27	115 31.1 44	91 -2 17	101 6 16
CS 260084 6020747413 CS 260084	1	Q 210021 CS 170168	81 30	115 50	117 47	83 24	120 35	121 30	117 41	120 36	86 0.81 31	78 0.67 27	116 20 24	115 8.0 50	117 5.0 47	117 56 40	119 13.3 34	105 22 11	108 6.8 15	110 -14.7 39	115 -6.4 23	116 31.5 44	99 1 15	108 11 14
CS 260085 6020747421 AMY	5	CS 200001 CS 230628	104 13	93 36	109 34	110 14	113 30	115 22	109 30	112 26	105 -0.14 16		91 -4 14	93 0.0 36	109 3.2 34	106 32 28	94 0.5 5		104 -9.6 37	101 -3.2 13	120 33.8 40			
CS 260087 6020747447 CS 260087	1	Q 210021 CS 190152	91 31	105 49	99 42	89 24	107 35	100 29	96 40	97 34	93 0.46 32	88 0.40 27	110 14 24	105 4.3 49	99 0.8 42	98 13 38	107 7.5 36	97 4 8	105 5.7 13	95 -1.9 39	112 -5.7 23	103 24.8 43	88 -4 13	97 3 12
CS 260088 6020747454 CS 260088	4	CS 180164 CS 240017	105 14	96 46	98 34	96 14	114 30	106 24	98 34	101 29	104 -0.06 14	104 -0.06 13	102 6 14	96 1.1 46	98 0.6 34	94 5 31	97 2.1 10		92 0.8 12	110 -14.5 37	107 -4.6 12	112 29.6 40	96 0 14	98 4 11
CS 260094 6020747512 PIENKIE		CS 180164 CS 240271	98 16	101 34	101 28	97 16	105 26	102 20	102 28	102 24	98 0.21 16	97 0.13 16	101 5 16	101 3.0 34	101 1.4 28	101 21 26	100 4.0 14	99 10 13	90 0.0 15	103 -9.0 27	103 -3.7 17	104 25.4 35	105 4 16	105 9 15
CS 260099 6020777527 RAKA	2	CS 200001 CS 240007	94 13	107 37	102 33	97 16	96 30	96 23	105 30	101 26	95 0.35 14	92 0.28 7	101 5 16	107 5.2 37	102 1.5 33	107 33 29	105 6.5 8		87 5.0 37	84 0.8 13	118 32.6 39			
CS 260100 6020777535 MAGENTA	6	CS 200211 CS 220028	91 24	107 39	102 38	88 25	119 32	113 26	105 34	109 30	93 0.45 25	89 0.38 22	111 15 25	107 5.0 39	102 1.4 38	101 21 34	107 7.3 18		98 -4.7 37	121 -7.8 19	114 30.8 41			
CS 260104 6020777576 RUSTY	2	Q 210021 EX 180258	83 34	111 55	124 49	75 36	106 36	105 34	96 45	100 40	89 0.68 35	72 0.84 30	128 30 36	111 6.6 55	124 6.7 49	114 50 47	120 13.6 44	111 37 16	117 10.1 20	95 -2.4 40	102 -3.4 23	111 29.3 44	103 4 21	109 12 20

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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																								
CS 260105 6020777584 TINKERBELL	2	CS 200211 CS 220008	97 27	101 39	99 38	88 26	115 34	106 27	96 35	100 31	98 0.21 27	95 0.20 25	111 15 26	101 3.0 39	99 0.8 38	95 6 34	101 4.3 24	104 21 16	95 2.0 19	97 -3.8 38	116 -6.5 24	113 30.2 41	95 -1 20	95 2 19
CS 260108 6020777485 CS 260108	4	CS 180164 CS 140602	109 17	90 49	105 46	117 19	124 36	126 29	115 40	121 34	108 -0.28 17	100 0.06 15	85 -9 19	90 -1.0 49	105 2.1 46	103 25 38	92 0.0 12		84 -2.2 5	124 -26.3 40	120 -7.5 22	109 28.1 47	90 -3 7	
CS 260110 6020796097 VINE	11	CS 170021 CS 120029	96 23	107 50	101 48	107 16	98 37	103 30	112 40	108 35	97 0.25 24	90 0.32 20	94 -1 16	107 5.2 50	101 1.3 48	110 39 38	107 7.1 14			96 -3.1 42	98 -2.5 20	101 23.5 48		
CS 260111 6020796113 MAGENTA	4	CS 210300 CS 160270	101 17	97 47	140 42	95 15	97 33	108 27	110 37	109 32	106 -0.16 19	75 0.75 8	100 5 15	97 1.7 47	140 10.3 42	131 87 35	102 4.9 10		100 3.6 9	85 6.0 37	93 -1.3 18	109 28.3 44	108 6 10	108 11 8
CS 260112 6020796121 ROMELIA	3	CS 180164 CS 130105	93 24	112 48	101 45	92 19	106 37	105 29	110 40	108 34	96 0.33 24	87 0.42 23	106 11 19	112 7.0 48	101 1.3 45	107 34 37	110 9.0 19	111 36 10	99 3.4 16	98 -4.5 40	106 -4.3 24	106 26.3 48	105 5 16	109 12 15
CS 260113 6020796139 ESCOURT	1	CS 200211 CS 200183	84 21	113 36	124 36	83 19	107 33	111 25	110 32	111 28	88 0.70 21	78 0.66 19	117 20 19	113 7.3 36	124 6.6 36	121 64 30	113 10.4 18	120 57 11	109 7.4 15	94 -1.3 36	101 -3.2 23	115 31.3 40	114 9 15	115 16 14
CS 260115 6020796154 RALLIE		CS 200211 CS 220222	96 22	100 36	105 35	94 21	110 32	106 25	101 32	103 28	97 0.28 22	94 0.22 19	103 8 21	100 2.5 36	105 2.1 35	101 21 31	98 2.9 16	104 20 9	98 3.1 12	98 -4.6 35	106 -4.2 21	114 30.9 39	98 1 12	99 5 11
CS 260118 6020796188 LEB		CS 200211 LEB 200049	97 40	105 43	105 39	91 20	113 33	109 27	106 36	108 32	99 0.16 41	89 0.36 35	107 11 20	105 4.5 43	105 2.1 39	104 28 34	103 5.1 32	103 19 22	92 0.6 24	107 -12.2 36	112 -5.7 24	107 26.8 40	103 3 24	101 6 23
CS 260120 6020796196 RAKA	4	CS 170021 CS 120613	100 26	99 50	125 48	108 25	93 39	105 32	112 42	109 37	102 0.00 26	84 0.51 24	92 -2 25	99 2.4 50	125 6.8 48	125 73 41	103 5.2 24		105 5.9 10	98 -4.5 43	86 0.3 27	103 24.7 48	96 0 11	100 5 10
CS 260121 6020796204 CS 260121	3	CS 170021 CS 120039	102 28	102 50	100 49	108 26	90 39	93 32	102 43	97 38	103 -0.02 28	94 0.21 26	93 -2 26	102 3.2 50	100 1.0 49	104 27 42	100 3.8 24	97 5 6	98 2.9 11	94 -1.4 42	84 0.9 27	102 24.3 48	89 -3 12	93 0 11
CS 260122 6020796212 CS 260122	1	CS 200001 CS 240001	100 16	98 34	112 31	97 17	110 30	109 22	106 29	107 26	102 0.01 17	87 0.41 14	100 5 17	98 2.0 34	112 3.8 31	108 36 27	100 3.7 7			101 -7.5 36	98 -2.4 14	119 33.6 39		
CS 260125 6020796246 RAKA		XA 160036 CS 150184	118 44	103 58	94 48	112 27	109 41	112 34	114 47	113 40	117 -0.71 46	101 0.02 32	90 -4 27	103 3.5 58	94 -0.5 48	101 20 44	106 6.7 38	99 10 11	95 1.8 13	111 -15.3 47	113 -5.9 27	97 21.4 50	104 4 13	101 6 12

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ID Number Name																								
CS 260127 6020796253 ROXETTE	5	CS 180164 CS 240093	102 5	95 46	109 34	106 8	108 29	110 23	106 33	108 28	102 0.02 5		94 -1 8	95 0.9 46	109 3.1 34	106 31 29	96 1.6 6			106 -11.4 36	101 -3.2 11	111 29.0 40		
CS 260133 6020796469 ESCOURT	3	CS 170021 CS 120629	104 28	103 47	85 46	111 22	97 38	96 30	103 40	99 35	104 -0.07 28	96 0.17 25	91 -3 22	103 3.7 47	85 -2.4 46	93 3 38	102 4.8 24		94 1.5 10	90 1.9 41	104 -3.8 27	95 20.7 47	90 -3 10	91 -2 9
CS 260134 6020796477 MAK		XA 160036 CS 200088	97 42	114 48	108 36	97 22	99 38	105 29	117 39	112 34	101 0.09 44	82 0.56 29	101 5 22	114 7.6 48	108 2.8 36	117 56 35	116 11.7 36	112 39 9	106 6.1 10	99 -5.7 43	106 -4.4 23	91 18.5 48	111 7 11	111 14 10
CS 260136 6020796493 CS 260136	1	CS 180164 CS 240013	92 19	112 47	106 37	91 18	110 33	111 26	113 36	112 31	95 0.39 20	88 0.39 17	107 11 18	112 7.0 47	106 2.3 37	111 42 34	109 8.3 20	116 47 12	103 5.1 17	90 2.1 39	113 -5.9 19	111 29.0 42	110 7 18	111 13 16
CS 260137 6020796501 LENA	3	CS 180164 CS 240090	105 22	90 41	111 34	95 17	110 32	105 25	95 33	99 29	106 -0.17 22	95 0.21 21	102 7 17	90 -0.8 41	111 3.7 34	100 19 31	94 0.7 16	97 5 9	89 -0.3 14	100 -6.5 38	108 -4.6 18	111 29.1 41	91 -3 15	94 1 14
CS 260140 6020796535 CS 260140	1	Q 210021 CS 170605	93 30	104 50	104 46	94 24	112 35	108 30	106 41	107 36	95 0.36 31	90 0.34 26	104 9 24	104 4.1 50	104 2.1 46	105 28 40	108 7.8 35	94 -1 9	105 5.8 13	108 -13.0 38	105 -4.1 23	111 29.2 44	89 -4 13	97 2 12
CS 260141 6020796543 ROMELIA	8	CS 180164 CS 140138	99 13	99 52	95 47	112 14	126 36	125 29	117 40	122 34	99 0.18 13	99 0.07 12	90 -4 14	99 2.3 52	95 -0.2 47	99 16 38	99 3.4 10			120 -23.2 41	124 -8.6 19	110 28.8 48		
CS 260142 6020796550 CS 260142	2	CS 200211 CS 220055	92 19	108 41	108 36	99 22	108 31	111 25	115 34	113 30	95 0.39 20	89 0.35 17	99 4 22	108 5.3 41	108 3.0 36	113 47 33	105 6.2 18	104 20 11	106 5.9 15	100 -6.6 35	100 -2.9 20	114 30.6 38	105 5 16	107 10 15
CS 260143 6020796568 MISSIE	2	CS 200211 CS 200059	87 19	111 38	117 39	86 21	117 33	118 26	114 34	116 30	91 0.55 19	81 0.58 17	113 16 21	111 6.6 38	117 5.0 39	116 54 33	111 9.1 14		107 6.3 8	98 -4.8 36	118 -7.2 22	112 29.6 40	110 7 8	112 14 7
CS 260144 6020796576 CS 260144	7	CS 180164 CS 100138	98 19	103 52	87 49	109 15	117 34	114 29	111 40	112 34	98 0.24 19	102 -0.02 17	93 -2 15	103 3.5 52	87 -2.0 49	93 4 39	100 3.9 10			110 -14.8 36	119 -7.4 17	105 25.9 49		
CS 260145 6020796584 RAKA	1	CS 200211 CS 210037	97 20	99 40	105 33	94 19	114 33	108 25	101 33	104 29	98 0.24 20	95 0.21 19	104 9 19	99 2.3 40	105 2.1 33	101 20 31	99 3.2 20	99 10 6	97 2.5 10	99 -5.3 36	116 -6.7 22	108 27.5 40	96 0 10	98 4 9
CS 260146 6020796592 CS 260146	2	CS 200211 CS 240069	95 18	104 40	103 32	94 15	117 30	113 23	108 32	111 28	96 0.33 18	93 0.25 16	104 8 15	104 4.0 40	103 1.6 32	103 25 29	103 5.3 9			99 -5.0 36	115 -6.4 17	116 31.6 38		

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ID Number Name																								
CS 260148 6020796618 ESCOURT	1	CS 170021 CS 240016	103 25	96 41	115 38	101 22	103 36	106 27	105 36	105 32	105 -0.13 25	89 0.36 23	97 2 22	96 1.3 41	115 4.5 38	111 43 34	98 2.8 20	101 13 13	97 2.8 16	84 7.1 41	107 -4.4 25	107 27.2 43	91 -2 16	93 0 15
CS 260150 6020796634 EMPRESS		CS 180164 CS 110186	86 26	111 51	117 49	83 26	101 37	101 32	101 43	101 38	91 0.58 26	81 0.60 25	117 20 26	111 6.3 51	117 5.0 49	114 48 42	111 9.3 23	114 43 17	104 5.4 20	87 4.2 37	104 -3.8 25	105 25.6 49	112 8 20	115 17 19
CS 260155 6020814742 ROSE		XA 160036 CS 240164	101 40	110 48	118 34	87 21	108 35	111 28	111 38	111 33	104 -0.08 43	83 0.52 27	111 15 21	110 6.1 48	118 5.2 34	117 55 34	113 10.1 35	115 45 11	108 7.0 14	108 -12.5 42	113 -5.9 18	97 21.5 44	108 6 14	111 13 13
CS 260157 6020814809 CS 260157		CS 200001 CS 220142	106 19	93 43	112 39	110 22	116 33	120 27	112 36	116 32	108 -0.26 20	91 0.31 17	91 -4 22	93 0.1 43	112 3.8 39	109 38 35	95 1.0 17	94 -1 13	97 2.8 17	109 -13.8 38	109 -5.0 21	115 31.3 40	97 0 17	97 2 16
CS 260160 6020814833 NAGMUIS	2	CS 200001 CS 230037	87 14	114 42	115 35	90 21	109 31	113 25	118 34	116 30	92 0.54 15	80 0.63 8	107 11 21	114 7.6 42	115 4.6 35	120 62 33	114 10.6 7			89 2.6 38	101 -3.0 14	121 34.7 40		
CS 260161 6020814841 TINKERBELL	4	CS 200211 CS 220090	87 27	111 42	103 35	88 22	115 33	111 26	108 35	109 30	91 0.59 27	85 0.47 25	112 15 22	111 6.5 42	103 1.7 35	105 30 33	111 9.4 22		103 4.7 11	96 -2.8 37	116 -6.7 20	112 29.6 41	102 3 12	102 6 11
CS 260162 6020814858 ROSE		XA 160036 CS 240222	103 40	107 48	122 33	92 21	105 34	111 27	114 38	113 32	106 -0.16 43	82 0.55 27	105 9 21	107 5.0 48	122 6.0 33	121 63 34	111 9.1 35	114 42 9	108 6.7 13	108 -12.5 42	107 -4.5 17	98 21.9 44	105 4 13	109 12 12
CS 260163 6020814874 ROXETTE	3	CS 170021 CS 130004	107 28	98 47	102 47	113 25	108 40	112 31	113 41	113 36	108 -0.26 28	94 0.22 27	89 -6 25	98 2.0 47	102 1.6 47	106 31 40	100 3.8 24	93 -3 9	98 2.9 13	113 -17.2 42	101 -3.0 29	107 26.9 48	92 -2 13	93 0 12
CS 260164 6020814882 ESCOURT	5	CS 170021 CS 240121	98 20	106 46	115 35	98 14	101 33	107 25	114 35	111 30	102 0.04 21	83 0.55 18	99 4 14	106 4.9 46	115 4.6 35	118 59 32	107 7.3 10			90 2.0 40	99 -2.7 17	108 27.7 42		
CS 260166 6020814908 RAKA	7	CS 180164 CS 100172	91 26	113 50	90 48	96 23	118 38	113 31	115 42	115 36	92 0.54 26	98 0.12 24	103 7 23	113 7.1 50	90 -1.3 48	100 18 40	109 8.5 13			119 -21.9 42	117 -6.8 23	104 25.3 49		
CS 260167 6020814932 MAGENTA		CS 180164 CS 090144	103 23	93 52	115 49	107 23	103 39	107 32	104 43	105 38	104 -0.09 24	92 0.28 18	93 -1 23	93 0.0 52	115 4.5 49	110 40 41	94 0.9 23	103 18 19	90 0.0 23	90 1.9 42	106 -4.3 27	105 25.9 48	100 2 23	101 6 22
CS 260301 6020606791 CS 260301	5	CS 200001 CS 230320	102 7	90 35	123 34	102 10	98 29	102 21	99 29	100 25	104 -0.10 8		96 1 10	90 -0.9 35	123 6.3 34	113 47 26				96 -2.8 36	86 0.4 12	114 30.8 40		

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values							Birth		Wean				Growth		Fertility				Frame	
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																								
CS 260302 6020606965 CS 260302	4	CS 200001 CS 230312	112 14	81 43	111 36	114 17	99 31	100 25	93 34	95 30	113 -0.50 16		87 -7 17	81 -4.1 43	111 3.6 36	100 17 32	85 -3.7 9			94 -1.1 38	90 -0.6 15	112 29.8 41		
CS 260304 6020606981 CS 260304	2	CS 200211 CS 220354	93 25	106 41	109 34	84 21	104 33	99 26	95 34	97 30	96 0.33 25	86 0.45 24	115 19 21	106 4.7 41	109 3.0 34	104 27 32	107 7.4 23	108 29 14	96 2.4 18	92 0.5 36	99 -2.8 22	113 30.2 40	106 5 18	104 8 17
CS 260305 6020621709 CS 260305	1	CS 200001 CS 230346	98 21	98 36	103 34	94 21	110 33	104 25	99 32	101 28	97 0.26 21	101 0.03 19	104 8 21	98 2.0 36	103 1.6 34	98 15 30	98 2.5 14	101 14 5	101 4.1 9	106 -11.3 39	98 -2.3 20	118 33.0 41	92 -2 10	97 3 9
CS 260308 6020777493 CS 260308	1	Q 210021 CS 240319	91 28	104 43	120 34	89 20	108 29	109 25	107 34	108 30	95 0.37 29	81 0.59 23	108 12 20	104 4.2 43	120 5.7 34	116 53 32	109 8.0 33	95 1 12	106 6.0 16	99 -5.3 37	104 -3.8 14	110 28.8 37	88 -4 17	97 3 15
CS 260309 6020777501 CS 260309		Q 210021 CS 140319	81 32	109 53	115 45	85 24	91 36	91 31	96 42	93 36	84 0.90 33	84 0.50 28	114 18 24	109 5.9 53	115 4.5 45	112 45 41	113 10.4 36	94 -1 12	106 6.0 16	89 2.8 40	86 0.4 24	104 25.5 45	89 -3 16	97 3 15
CS 260310 6020777519 CS 260310		Q 210021 CS 170373	82 29	113 51	110 47	84 23	104 35	103 30	105 41	104 36	86 0.83 30	84 0.51 26	115 19 23	113 7.3 51	110 3.4 47	111 42 40	115 11.1 35	99 9 10	104 5.4 14	100 -6.1 38	93 -1.4 23	114 31.0 43	97 1 13	104 8 13
CS 260314 6020796675 CS 260314		Q 210021 CS 190330	84 28	111 49	106 45	83 26	93 30	89 29	93 39	90 34	87 0.75 29	87 0.42 24	117 20 26	111 6.4 49	106 2.4 45	105 29 40	113 10.2 34	97 5 10	105 5.9 13	89 2.6 30	84 0.9 17	111 29.0 42	95 0 13	102 6 12
CS 260317 6020796709 CS 260317		CS 180164 CS 240310	96 25	110 43	110 36	93 19	110 33	112 26	115 35	114 30	99 0.20 26	87 0.42 20	104 9 19	110 6.2 43	110 3.3 36	114 49 33	111 9.3 22	110 35 13	98 3.1 16	100 -6.6 37	109 -5.0 19	108 27.7 42	113 8 16	114 16 15
CS 260319 6020814775 CS 260319	1	CS 180164 CS 240316	93 19	109 47	100 36	89 18	106 33	101 26	101 36	100 31	93 0.46 19	96 0.16 18	110 14 18	109 5.7 47	100 0.9 36	101 21 34	105 6.3 22	108 29 12	99 3.2 15	96 -3.1 38	100 -2.9 20	112 29.9 42	106 5 16	109 12 15
CS 260320 6020814783 CS 260320		CS 200211 CS 220361	89 14	107 28	115 30	91 12	102 22		107 24		92 0.52 14	88 0.40 13	106 11 12	107 5.2 28	115 4.4 30	114 50 23	107 7.2 11	105 22 6	100 3.9 7	97 -3.6 20	99 -2.5 14	107 27.1 31	107 5 7	108 11 7
CS 260322 6020814916 CS 260322	1	Q 210021 CS 240322	73 29	132 51	105 37	79 22	103 31	105 27	115 38	111 32	79 1.19 30	75 0.75 25	124 27 22	132 13.8 51	105 2.2 37	116 54 37	131 19.5 35	111 36 9	118 10.5 13	94 -0.8 37	99 -2.6 18	111 29.3 39	103 4 13	113 15 12

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	CS 240182	CS 240182	SW 130624	CS 140644	0.0	96 26	103 53	117 50	107 30	124 46	132 35	127 46	131 40
					★★★★★								
1	CS 240023	CS240023	CS 160177	CS 190005	1.5	74 21	133 68	121 51	78 38	111 43	120 38	127 53	124 46
					★★★★★								
1	CS 180164	CS180164	CS 100153	CS 110123	0.9	94 31	108 68	98 56	94 32	123 52	119 41	114 55	116 48
2	CS 200001	CS200001	CS 080378	CS 180009	0.0	99 25	98 53	109 53	103 33	109 45	110 36	109 47	110 42
3	CS 200211	CS200211	CS 100332	CS 140063	1.0	87 28	113 45	103 41	88 24	114 41	111 30	110 40	111 35
4	CS 220116	CS220116	XA 160036	CS 200064	0.3	108 42	104 66	117 40	95 26	110 38	114 33	114 48	115 40
5	CS 240009	CS240009	CS 180164	CS 090136	2.2	107 29	94 51	93 46	111 26	115 40	112 32	104 43	107 38
6	CS 240096	CS 240096	SW 130624	CS 120053	0.0	100 28	101 69	98 55	97 36	118 46	113 40	107 54	110 47
7	EX 160001	RUSTY	EX 100036	EX 120405	3.1	114 70	71 93	89 78	123 61	129 69	119 59	97 78	107 68
8	Q 210021	Q 210021	Q 160029	Q 140069	7.1	68 52	127 75	127 57	72 37	111 44	116 41	115 57	116 49
9	XA 160036	XA160036 DUBUS	XA 130031	PH 120020	0.2	102 78	127 84	120 54	87 36	105 57	117 47	131 65	125 56
					★★★★								
1	CS 160177	CS160177	CS 050079	CS 080162	2.5	77 36	133 85	127 66	78 42	88 67	100 51	118 69	110 60
2	CS 220029	CS220029	EX 180022	CS 130011	1.2	89 30	110 67	108 50	106 31	94 40	102 36	115 51	109 44
3	CS 240150	CS 240150	SW 130624	CS 110054	0.1	86 31	111 54	130 53	81 32	97 47	103 37	104 48	103 42
4	CS 240162	CS 240162	CS 180185	CS 200083	2.0	98 22	94 47	116 41	92 22	104 37	101 29	94 39	97 34
					★★★★								
1	CS 170044	CS170044	CS 080122	CS 080213	2.5	119 38	75 57	120 56	118 32	86 54	91 40	88 52	88 46
2	CS 210300	CS210300	CS 080378	CS 100422	0.0	100 25	102 67	119 49	97 28	90 45	96 37	103 51	99 44
3	CS 220064	CS220064	EX 120209	CS 090144	0.0	92 43	103 73	118 61	82 40	99 51	97 44	91 59	93 52
4	CS 220105	CS220105	EX 180022	CS 130282	1.8	102 30	87 65	126 46	115 30	88 41	99 35	101 49	100 42

Selection List on Cow Value

Bulls 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	
					★★★★☆								
5	CS 220170	CS220170	EX 180022	CS 130107	1.8	8829	11860	12346	8925	8640	9633	11346	10540
6	CS 240082	CS 240082	CS 180185	EX 200018	1.7	10927	8453	12444	11030	8939	9532	9443	9438
7	CS 240309	CS 240309	CS 180185	CS 200361	0.0	10417	9162	11238	9913	9429	9227	9141	9134
					★								
1	CS 140348	CS140348	CS 100430	CS 090304	0.0	8022	12781	10156	7534	7055	6944	8661	7652

Selection List on Cow Value

Cows 2 years and older

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	
Sorted on ID													
1	CS 140644	RAKA CS140644	LCK 040002	CS 080189	0.0	113 33	82 67	128 71	120 39	131 60	138 47	124 60	132 54
2	CS 170063	MAK CS170063	CS 100153	CS 140118	0.4	89 30	110 66	103 75	104 37	135 56	137 45	133 59	136 52
3	CS 190005	MISSIE CS190005	CS 120013	CS 100158	0.0	91 25	105 68	123 78	88 63	129 53	130 49	118 63	125 56
4	CS 190021	MAGENTA CS190021	CS 120013	CS 100025	0.0	81 27	116 68	114 77	92 58	126 51	130 48	129 62	131 55
5	CS 190288	RAKA CS190288	CS 060045	CS 070228	0.1	109 44	99 71	91 78	111 57	136 60	133 52	120 66	127 59
6	CS 190627	MAK CS190627	CS 130056	CS 170063	0.1	110 25	91 65	103 74	120 60	138 52	138 47	132 61	136 54
7	CS 220065	ROSE CS220065	EX 180006	CS 150168	0.7	107 27	82 70	132 60	108 38	124 49	130 42	110 56	120 49
8	CS 220127	MAK CS220127	CS 160177	CS 190627	2.0	89 22	118 68	113 49	94 36	127 48	133 39	134 53	135 46
9	CS 230078	MEDUSA CS230078	EX 160001	CS 080160	2.5	117 42	87 73	103 57	117 35	132 51	131 42	115 58	123 50
10	Q 190056	Q 190056	Q 160029	Q 170035	0.0	59 52	142 75	143 68	72 47	114 49	132 46	138 62	136 54
1	CS 080162	MOOIBEKKIE CS080162	NRF 980053	CS 040099	0.0	99 45	89 80	125 79	106 43	119 66	123 53	110 69	116 61
2	CS 120241	MOOIBEKKIE CS120241	CS 050079	CS 080162	2.5	84 36	122 72	132 77	85 42	114 62	125 49	131 64	129 56
3	CS 140138	ROMELIA CS140138	LCK 040002	CS 020054	0.0	104 39	91 78	92 79	124 43	130 61	129 51	121 67	126 59
4	CS 140180	TINKERBELL CS140180	CS 060045	CS 020035	6.8	95 52	104 74	89 63	115 44	122 63	122 49	120 64	122 56
5	CS 140602	ROXETTE CS140602	CS 080046	CS 120011	0.5	124 33	72 70	112 75	130 34	125 57	129 46	117 61	123 54
6	CS 150606	ROXETTECS150606	CS 080046	CS 120011	0.5	126 33	71 69	109 73	128 33	125 58	127 46	111 60	119 53
7	CS 170069	ESCOURT CS170069	CS 100153	CS 090209	0.8	108 33	88 65	99 72	113 30	123 56	120 44	106 57	112 50
8	CS 170099	CS170099	CS 100153	CS 140003	1.6	107 34	92 67	96 75	116 29	130 55	128 44	115 58	121 51
9	CS 170168	MOOIBEKKIE CS170168	CS 100153	CS 110123	0.9	95 31	103 67	107 75	97 32	130 56	128 45	119 59	124 52
10	CS 200059	MISSIE CS200059	SW 130624	CS 120241	0.2	88 26	109 62	132 67	84 38	120 54	125 43	117 56	122 50
11	CS 210084	CS210084	CS 160211	CS 190627	2.3	101 22	102 68	115 45	100 32	124 46	127 37	121 52	125 44
12	CS 220001	ESCOURT CS220001	SW 130624	CS 090209	0.1	115 31	78 60	102 61	117 39	124 55	120 42	99 54	109 48
13	CS 220018	MOOIBEKKIE CS220018	SW 130624	CS 120241	0.2	93 26	106 68	121 53	89 32	117 51	120 40	114 54	117 47
14	CS 220036	MISSIE CS220036	CS 160177	CS 190005	1.5	79 21	126 70	123 60	78 44	117 48	123 42	123 57	124 50
15	CS 220142	CS220142	EX 180006	CS 140029	1.9	114 28	88 70	115 59	115 33	124 50	128 41	116 56	122 48
16	CS 220172	MOOIBEKKIE CS220172	CS 160177	CS 170168	1.4	82 23	123 66	116 50	87 25	117 49	124 37	128 51	127 44

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	
					★★★★★								
17	CS 220276	TINKERBELL CS220276	EX 180006	CS 140180	0.3	100 34	101 58	102 57	107 32	127 50	127 39	118 51	123 45
18	CS 230011	TINKERBELL CS230011	EX 160001	CS 090136	1.9	123 43	79 62	97 60	123 42	131 52	128 43	110 55	119 49
19	CS 230018	MEDUSA CS230018	EX 160001	CS 110077	3.9	124 42	79 62	81 59	119 42	132 51	121 42	99 55	109 48
20	CS 230066	ROMELIA CS230066	EX 160001	CS 080208	1.5	123 42	75 72	94 56	129 36	127 51	124 42	110 57	117 50
21	CS 230068	ROXETTE CS230068	EX 160001	CS 100068	3.6	108 42	97 72	81 56	120 40	125 50	122 43	117 58	120 50
22	CS 230118	TINKERBELL CS230118	EX 160001	CS 110019	3.0	118 40	85 73	90 62	116 46	129 51	122 45	105 60	113 52
23	CS 230123	RAKA CS230123	EX 160001	CS 090226	0.8	120 42	81 73	102 57	125 39	121 50	122 43	113 58	118 50
24	CS 240046	MEDUSA	CS 180164	CS 080160	1.0	99 28	103 67	107 50	100 24	120 41	121 35	117 50	119 42
25	CS 240052	MAK	CS 160177	CS 170063	1.2	81 23	123 68	114 50	89 28	114 47	121 38	130 52	126 45
26	CS 240060	MAGENTA	CS 160177	CS 190021	1.8	68 22	139 68	116 50	81 35	110 46	120 38	135 53	129 46
27	CS 240200	MAK	CS 170044	CS 220127	2.9	104 20	96 44	117 36	108 20	115 40	121 28	116 37	119 32
28	CS 240207	ESCOURT	XA 160036	CS 130222	0.4	95 42	122 55	105 46	86 24	120 44	121 34	122 45	122 40
29	CS 240215	AMELIA	EX 160001	CS 210149	0.1	121 36	73 58	111 50	121 36	121 47	120 38	102 49	111 44
						★★★★☆							
1	CS 080160	MEDUSA CS080160	NRF 980053	CS 040033	0.0	111 46	90 81	118 83	110 39	112 64	117 52	109 69	113 60
2	CS 100271	LIESBET CS100271	CS 060073	CS 060049	2.0	66 38	121 75	125 82	91 51	99 59	111 51	127 67	120 59
3	CS 110148	ESCOURT CS110148	LCK 040002	CS 990084	0.0	113 46	70 69	83 75	129 56	120 63	110 52	95 66	102 59
4	CS 120042	TINKERBELL CS120042	LCK 040002	CS 020067	0.0	121 40	83 74	77 80	127 58	123 62	116 53	107 68	112 60
5	CS 120053	RAKA CS120053	LCK 040002	CS 050008	0.0	120 39	81 81	94 83	122 54	118 62	115 54	104 71	110 62
6	CS 130004	ROXETTE CS130004	LCK 040002	CS 020073	0.0	118 40	85 72	87 77	124 44	119 62	116 50	108 65	112 58
7	CS 130011	CS130011	CS 040003	MAK 090309	0.0	91 33	110 74	94 82	111 44	108 58	112 50	120 65	117 58
8	CS 130057	MEDUSA CS130057	CS 060045	CS 040033	1.0	94 48	117 78	80 81	93 43	121 63	113 52	113 68	113 60
9	CS 130118	TINKERBELL CS130118	CS 040003	CS 110016	1.3	103 36	103 72	85 79	113 38	113 57	111 48	112 63	112 56
10	CS 130207	CS130207	CS 040003	MAK 090361	0.0	102 33	100 70	77 78	112 36	118 60	110 48	107 62	108 55
11	CS 130284	RALLIE CS130284	CS 080207	CS 110239	6.3	116 18	74 47	102 42	119 9	117 52	112 31	94 41	102 36
12	CS 140105	RAKA CS140105	LCK 040002	CS 090115	0.0	126 35	78 77	103 76	118 43	117 59	114 49	98 66	106 58
13	CS 150040	VINE CS150040	CS 080122	CS 080002	3.7	102 37	87 78	141 78	113 30	99 60	114 48	112 65	113 56

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	
						★★★★☆								
14	CS	150043	LENA CS150043	CS 080122	CS 060068	1.4	100 39	106 71	122 76	98 33	107 60	115 47	120 62	118 54
15	CS	150145	ROMELIA CS150145	LCK 040002	CS 020054	0.0	112 39	82 80	89 80	128 43	121 62	118 51	110 68	114 60
16	CS	150240	AMELIA CS150240	CS 080207	CS 120659	2.3	123 37	79 78	78 76	121 31	131 57	119 47	98 64	108 56
17	CS	150294	TINKERBELL CS150294	CS 060045	CS 030017	4.3	83 48	114 75	98 67	92 51	121 64	118 51	117 66	118 58
18	CS	150323	CS150323	CS 060045	CS 080307	6.6	96 46	117 79	74 76	109 39	114 61	112 50	121 67	117 58
19	CS	160270	MAGENTA CS160270	CS 080076	CS 080170	0.0	102 34	93 67	148 71	95 28	103 54	115 43	111 57	113 50
20	CS	170004	CS170004	FF 080048	CS 090026	0.3	117 45	85 70	111 76	110 39	112 58	112 48	99 62	105 55
21	CS	170031	CS170031	FF 080048	CS 100138	0.3	113 42	90 69	105 73	112 33	113 56	114 45	105 60	109 52
22	CS	170054	CS170054	FF 080048	CS 090001	2.0	112 44	93 70	118 76	112 35	106 57	114 47	112 61	113 54
23	CS	170078	ESCOURT CS170078	LCK 040002	CS 070053	0.0	127 37	64 64	101 66	126 41	115 60	110 46	91 59	99 52
24	CS	170108	ESCOURT CS170108	CS 100153	CS 110054	0.2	78 35	120 64	130 73	82 29	109 55	118 43	121 57	120 50
25	CS	170282	CS170282	LCK 040002	CS 150088	0.0	128 30	75 59	84 56	130 35	121 58	115 42	104 54	109 48
26	CS	180009	TINKERBELL CS180009	CS 100153	CS 120246	13.6	93 27	105 70	93 78	107 37	119 54	118 46	117 60	118 53
27	CS	190002	CS190002	CS 110056	CS 150294	0.5	85 33	111 70	109 74	93 52	116 57	117 49	118 63	118 56
28	CS	190016	ROMELIA	CS 120013	CS 090044	0.0	75 29	113 65	111 74	93 58	116 52	117 47	119 60	119 54
29	CS	190290	ESCOURT CS190290	CS 060045	CS 060070	0.9	89 48	114 68	101 72	88 57	119 61	116 51	114 64	115 58
30	CS	200011	TINKERBELL CS200011	SW 130624	CS 160080	0.3	104 31	92 63	110 70	114 50	108 53	112 45	109 58	111 52
31	CS	200030	CS200030	CS 100070	CS 130011	1.5	88 28	112 66	95 72	112 50	112 55	118 47	126 60	123 54
32	CS	200049	ROXETTE CS200049	CS 130145	CS 150606	2.8	121 26	68 62	130 66	115 38	107 53	111 43	93 55	101 49
33	CS	200064	LENA CS200064	SW 130624	CS 150043	0.2	105 28	96 58	110 60	106 39	115 53	117 41	110 53	114 47
34	CS	200076	VINE CS200076	CS 060045	CS 080002	0.7	93 45	106 65	106 67	107 50	111 60	116 48	118 61	118 54
35	CS	200079	ROMELIA CS200079	CS 100070	CS 110155	1.4	83 28	108 62	106 67	113 43	103 53	112 44	122 56	118 50
36	CS	200109	MADONNA CS200109	SW 130624	CS 110298	0.4	114 28	86 60	102 62	112 45	116 53	113 43	100 55	106 49
37	CS	200128	ESCOURT CS200128	SW 130624	CS 110039	0.5	97 33	98 66	120 72	87 51	119 55	116 47	102 60	108 54
38	CS	200183	ESCOURT CS200183	SW 130624	CS 110054	0.1	80 31	113 58	145 61	77 32	100 53	111 40	110 52	111 46
39	CS	200184	ROSE CS200184	SW 130624	CS 150130	0.2	93 31	105 60	105 65	76 39	126 54	113 43	90 55	100 49
40	CS	200190	MAK CS200190	CS 100070	MAK 080242	0.0	82 29	109 53	121 55	96 34	111 53	118 39	121 49	120 44
41	CS	200255	VINE CS200255	CS 110056	CS 150204	0.4	92 33	105 61	100 62	111 44	111 55	115 44	118 56	117 50
42	CS	200333	CS200333	CS 160177	CS 170321	0.1	83 22	119 60	121 65	89 35	111 51	119 41	127 53	124 47

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	CS	210005	MISSIE CS210005	CS 080378	CS 190005	0.0	101 24	94 71	124 61	97 45	107 51	110 44	105 59	107 52
44	CS	210240	MAK CS210240	CS 160177	CS 160042	0.1	90 22	113 71	116 59	98 36	102 50	111 42	122 57	117 50
45	CS	220028	MAGENTA CS220028	EX 120209	CS 100025	4.3	96 47	100 65	101 67	88 52	125 57	115 47	99 60	107 54
46	CS	220035	CS220035	EX 180022	CS 200030	2.4	87 29	113 67	108 46	110 33	100 46	111 38	124 51	119 44
47	CS	220047	RAKA CS220047	EX 180006	CS 160227	1.4	71 30	139 68	127 51	81 29	101 48	116 38	136 53	128 46
48	CS	220054	CS220054	EX 180006	CS 150043	1.3	98 29	104 67	130 50	95 28	110 47	119 38	119 52	120 45
49	CS	220055	CS220055	EX 180006	CS 150070	0.4	98 27	102 70	114 60	114 38	102 49	113 42	120 56	117 49
50	CS	220072	VINE CS220072	CS 160177	CS 150204	1.2	83 29	119 69	118 50	88 31	108 51	114 40	121 54	119 47
51	CS	220090	TINKERBELL CS220090	EX 120209	CS 100234	4.5	88 48	109 73	104 58	87 43	116 55	111 45	105 60	108 52
52	CS	220132	CS220132	CS 160177	CS 190002	2.0	71 24	135 69	114 49	82 32	102 48	111 39	127 53	120 46
53	CS	220147	RAKA CS220147	EX 120209	CS 090226	0.8	106 46	85 74	114 62	96 44	118 56	111 46	94 62	102 54
54	CS	220150	ROMELIA CS220150	CS 160177	CS 190016	2.3	79 22	118 66	120 49	87 35	104 46	110 38	118 52	115 45
55	CS	220151	MAK CS220151	XA 160036	CS 200190	0.3	90 42	121 61	120 38	91 25	108 45	118 34	129 47	125 40
56	CS	220295	LENA CS220295	SW 130624	CS 060068	0.3	98 34	109 56	116 53	86 35	115 53	115 39	110 51	113 45
57	CS	220307	CS220307	EX 180006	CS 080381	0.0	112 31	88 69	107 52	115 30	111 50	113 40	106 54	109 47
58	CS	230028	TINKERBELL CS230028	SW 130624	CS 110016	0.4	103 28	99 69	94 55	101 37	118 51	112 41	106 56	109 48
59	CS	230032	MAK CS230032	XA 160036	CS 130011	0.1	103 42	109 69	110 49	103 28	107 45	114 38	121 52	118 45
60	CS	230037	CS230037	CS 160177	CS 190005	1.5	75 21	131 68	121 51	81 38	108 47	118 39	127 53	124 46
61	CS	230054	RAKA CS230054	SW 130624	CS 120613	0.2	100 26	93 69	120 54	101 32	108 50	110 40	105 54	107 47
62	CS	230062	CS230062	XA 160036	CS 140027	0.3	93 45	124 70	100 47	95 26	107 46	113 38	128 52	122 45
63	CS	230063	MAGENTA CS230063	EX 160001	CS 090144	0.0	119 39	79 73	109 56	119 35	109 49	111 42	101 57	105 50
64	CS	230073	ESCOURT CS230073	XA 160036	CS 150008	0.6	104 43	103 70	132 45	85 25	106 45	110 37	105 52	107 44
65	CS	230079	ROMELIA CS230079	XA 160036	CS 110155	0.0	86 43	125 69	105 49	99 33	102 43	112 38	132 53	124 46
66	CS	230080	RAKA CS230080	EX 160001	CS 100100	3.3	116 43	93 73	92 56	116 35	115 50	114 42	108 57	110 50
67	CS	230188	BLESSING CS230188	EX 160001	CS 100155	3.3	106 45	92 73	103 55	110 40	113 50	112 43	105 58	108 50
68	CS	230196	LENA CS230196	CS 170110	CS 210217	1.3	106 24	98 61	112 41	90 27	120 42	115 34	103 46	109 40
69	CS	230258	ROSE CS230258	CS 170110	CS 210041	0.4	116 19	81 46	114 37	106 20	113 41	110 29	94 38	101 34
70	CS	230262	ESCOURT CS230262	CS 180185	CS 200128	2.0	102 23	91 66	123 44	94 28	111 43	111 35	100 49	105 42
71	CS	230278	ROXETTE CS230278	CS 170110	CS 210076	3.4	120 18	75 46	119 37	111 19	118 40	117 28	96 38	106 33

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	
					★★★★☆								
72	CS 230279	VINE CS230279	CS 180185	CS 200076	4.8	101 25	92 65	117 41	108 25	108 44	112 35	107 48	109 42
73	CS 230628	AMY CS230628	CS 160211	CS 070204	1.0	110 29	87 53	110 46	115 25	116 46	119 34	109 45	114 40
74	CS 240019	CS240019	XA 160036	CS 130007	0.3	120 46	95 69	94 47	118 28	108 47	111 38	111 53	111 46
75	CS 240026	VINE CS240026	CS 160177	CS 150204	1.2	80 29	122 55	117 50	86 31	105 45	112 36	121 47	118 42
76	CS 240045	CS 240045	CS 180164	CS 100105	8.8	86 24	115 66	103 47	92 18	118 38	118 33	120 47	119 40
77	CS 240053	ROMELIA	CS 160177	CS 190016	2.3	72 22	128 68	117 49	84 35	104 43	112 37	124 52	119 44
78	CS 240057	CS 240057	CS 180164	CS 140037	8.8	87 24	114 67	98 48	93 18	114 42	112 34	115 48	114 41
79	CS 240063	MAGENTA	CS 180164	CS 090144	0.0	102 23	95 67	113 49	107 23	106 40	110 34	107 49	108 42
80	CS 240069	CS 240069	SW 130624	CS 170099	0.2	102 26	94 67	102 52	102 27	120 48	116 38	106 52	111 45
81	CS 240074	RAKA	CS 180164	CS 100100	1.5	111 29	92 66	102 48	109 23	112 41	111 35	103 49	107 42
82	CS 240098	MAGGIE	CS 180164	CS 080185	2.0	106 28	90 52	100 48	111 24	116 40	113 32	103 43	108 38
83	CS 240115	CS 240115	CS 180164	CS 100172	7.0	93 26	110 66	92 48	100 23	121 39	117 34	117 48	118 41
84	CS 240188	CS 240188	EX 160001	CS 171303	2.4	113 39	86 55	107 52	114 33	115 44	116 36	105 48	110 42
85	CS 240218	CS 240218	CS 160211	LEB 200140	0.3	97 41	93 51	130 37	97 21	113 41	117 31	110 41	114 36
86	CS 240240	CS 240240	XA 160036	CS 140027	0.3	95 45	121 70	100 47	96 26	112 46	116 38	127 52	123 45
87	Q 170005	Q 170005	SK 060038	Q 090004	0.0	61 74	97 77	142 74	92 51	111 57	117 51	111 67	114 59
						★★★							
1	CS 080248	FAIRY CS080248	NRF 980053	CS 050091	0.0	121 47	71 74	89 80	132 51	107 62	103 52	97 67	100 60
2	CS 090094	ESCOURT CS090094	NRF 980053	CS 040128	0.0	118 46	77 73	111 81	112 43	107 62	105 51	90 66	96 58
3	CS 100060	ESCOURT CS100060	CS 990021	CS 030051	2.1	104 52	95 81	111 83	90 56	108 64	102 55	92 72	96 64
4	CS 100105	ESCOURT CS100105	CS 060045	CS 040128	4.1	91 48	105 79	113 78	94 44	107 64	108 52	109 68	109 60
5	CS 100138	CS100138	CS 060045	CS 050185	0.0	103 37	98 80	76 82	120 38	111 55	107 49	108 66	107 58
6	CS 100158	MISSIE CS100158	CS 000090	CS 030013	1.0	118 48	80 75	113 82	105 54	107 63	104 53	89 69	96 61
7	CS 100172	RAKA CS100172	CS 060045	CS 050008	1.6	88 51	118 74	82 80	97 51	112 64	108 53	116 68	113 60
8	CS 110039	ESCOURT CS110039	CS 990021	CS 030051	2.1	92 52	106 80	128 81	80 56	99 66	100 55	96 72	98 64
9	CS 110054	ESCOURT CS110054	CS 050079	CS 930047	3.1	74 48	127 72	148 77	73 40	83 63	100 50	112 65	106 58
10	CS 110058	ROXETTE CS110058	LCK 040002	CS 990034	0.0	125 46	76 81	87 83	121 59	115 63	107 55	92 72	99 64

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	
						★★★★								
11	CS 110155	ROMELIA CS110155	CS 060600	CS 070012	0.0	9033	9574	9882	12354	9452	10049	10965	10557	
12	CS 120029	VINE CS120029	CS 060045	CS 030014	7.0	9548	10380	8582	11649	10064	10054	10870	10462	
13	CS 120613	RAKA CS120613	CS 060004	CS 090001	4.1	10334	8778	13280	11643	8961	10351	10767	10559	
14	CS 120630	RAKA CS120630	LCK 060027	CS 000007	0.0	10142	9469	9978	10538	10553	10246	9861	9954	
15	CS 130182	JUANA CS130182	CS 060045	CS 030028	3.5	8750	10869	9174	10445	10665	10550	11164	10857	
16	CS 130222	ESCOURT CS130222	VEN 080083	CS 100060	0.0	8826	11670	9174	8431	11855	10945	10559	10752	
17	CS 130667	SNYBERG CS130667	LCK 040002	CS 030154	0.0	12624	7767	8175	13036	11359	10746	10060	10353	
18	CS 140003	ESCOURT CS140003	LCK 040002	CS 990061	0.0	11945	6379	5981	13643	12463	10452	8868	9460	
19	CS 140027	CS140027	CS 060045	CS 070018	3.3	9143	11277	8077	10438	10561	10150	11066	10658	
20	CS 140037	CS140037	CS 060045	CS 040020	3.3	8548	11379	9980	9245	10563	10352	10769	10560	
21	CS 140378	CS140378	CS 060045	CS 970304	0.0	9551	9579	10078	10241	11261	10751	10167	10459	
22	CS 150017	FAIRY CS150017	CS 040003	CS 100003	3.1	9739	11477	5876	11236	11658	10748	11364	11156	
23	CS 150060	RAKA CS150060	CS 040003	CS 090226	12.5	9832	10774	8965	11929	10356	10944	12060	11552	
24	CS 150070	CS150070	CS 040003	MAK 090340	0.0	9233	11575	8773	11233	10458	10847	12162	11554	
25	CS 150184	RAKA CS150184	LCK 040002	CS 020058	0.0	12540	7880	6780	13040	11461	10351	9767	9959	
26	CS 150304	CS150304	CS 050079	CS 070309	1.0	8238	13472	11453	8831	8659	10043	12758	11550	
27	CS 150639	TINKERBELL CS150639	CS 050079	CS 070036	0.7	8941	11863	12364	8738	9659	10445	11558	11052	
28	CS 160039	CS160039	CS 050079	CS 130182	0.9	7838	13169	11476	8433	9458	10346	12260	11453	
29	CS 160227	RAKA CS160227	CS 050079	CS 070251	2.1	7540	13572	12779	8037	9359	10848	12863	11956	
30	CS 170013	RAKA CS170013	CS 080122	CS 070228	0.3	12136	7171	9177	13134	10458	10047	9562	9754	
31	CS 170073	TINKERBELL CS170073	FF 080048	CS 100119	2.4	12446	8163	10261	10737	10657	10144	8756	9350	
32	CS 170137	AMELIA CS170137	FF 080048	CS 090152	0.0	11744	6769	11373	12237	10657	10546	9061	9654	
33	CS 170213	MAGGIE CS170213	LCK 040002	CS 080088	0.0	12836	7868	7174	12937	11759	10747	9761	10154	
34	CS 170605	CS170605	CS 110045	CS 140190	2.9	11928	8165	8272	12432	11255	10644	9857	10250	
35	CS 171303	CS171303	CS 100153	CS 110303	0.8	9435	10159	12567	9930	9956	10742	11154	10948	
36	CS 180271	CS180271	CS 070312	CS 140063	2.0	8536	11058	10960	8931	10556	10441	10653	10547	
37	CS 190075	CS190075	CS 080378	CS 130207	0.0	10927	9165	9072	11340	11255	10745	10058	10352	
38	CS 190095	RAKA CS190095	CS 060045	CS 070006	1.6	8347	12163	9366	9943	10061	10347	12059	11253	
39	CS 190096	TINKERBELL CS190096	CS 060045	CS 080213	2.4	10544	9962	9466	10243	11160	10546	10258	10452	

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	
					★★★★								
40	CS 190107	ROXETTE CS190107	CS 080378	CS 110058	0.0	112 31	85 69	112 75	122 51	94 55	102 48	105 62	104 55
41	CS 190128	CS190128	CS 070024	CS 140034	3.4	106 39	98 72	45 78	116 62	127 56	107 51	97 66	102 58
42	CS 190148	CS190148	CS 070024	CS 140029	0.9	127 34	80 70	45 76	135 53	126 56	108 49	101 63	104 56
43	CS 190156	ESCOURT CS190156	CS 110056	CS 100124	2.8	95 32	105 63	87 61	110 41	111 56	109 44	110 56	110 50
44	CS 190188	ROMELIA CS190188	CS 100070	CS 110155	1.4	86 28	106 60	101 63	113 37	97 54	104 42	114 54	109 48
45	CS 190210	CS190210	CS 110056	CS 100041	4.1	102 32	98 59	98 54	101 37	105 56	101 41	100 53	100 47
46	CS 200007	TINKERBELL CS200007	SW 130624	CS 120246	0.2	102 31	94 64	93 67	104 41	108 54	101 44	95 57	97 50
47	CS 200041	MAGENTA CS200041	SW 130624	CS 110059	0.4	95 33	105 63	95 67	85 44	114 54	103 44	94 57	98 50
48	CS 200073	TINKERBELL CS200073	CS 110045	CS 150294	4.2	108 32	92 60	83 64	97 50	124 54	107 44	92 57	98 50
49	CS 200083	MAGGIE CS200083	SW 130624	CS 120657	0.2	90 32	103 61	105 67	84 40	118 53	109 43	96 56	102 50
50	CS 200123	VINE CS200123	CS 070024	CS 120091	1.7	94 38	109 62	56 61	129 45	105 56	103 44	120 57	112 50
51	CS 200160	ROSE CS200160	CS 110056	CS 090060	2.1	98 37	96 69	91 72	129 62	99 56	105 50	118 64	112 57
52	CS 200311	CS200311	CS 100070	CS 140331	0.0	84 24	110 60	123 60	98 38	98 51	108 41	119 53	115 47
53	CS 210017	SNYBERG CS210017	SW 130624	CS 110027	0.0	121 24	75 69	94 53	122 34	113 52	108 41	94 55	100 48
54	CS 210037	RAKA CS210037	SW 130624	CS 120630	0.2	107 29	85 68	107 53	101 31	114 51	106 40	92 54	98 47
55	CS 210110	VINE CS210110	SW 130624	CS 190038	0.2	108 25	88 71	101 59	108 39	108 50	103 42	94 57	98 50
56	CS 210120	VINE CS210120	CS 110056	CS 090265	4.5	86 34	110 73	111 62	93 39	104 55	106 45	111 60	109 52
57	CS 210149	AMELIA CS210149	CS 080378	CS 090152	12.5	117 19	75 70	132 61	118 35	92 51	102 42	97 56	99 49
58	CS 210244	CS210244	CS 160177	CS 170031	0.8	95 28	111 55	116 49	91 26	103 50	108 36	113 47	111 42
59	CS 220004	MAGENTA CS220004	EX 120209	CS 090155	0.3	102 46	88 64	112 66	101 49	103 57	100 46	93 59	95 52
60	CS 220008	TINKERBELL CS220008	EX 120209	CS 090136	0.9	108 46	89 64	95 66	88 49	117 57	101 46	81 59	89 52
61	CS 220015	FAIRY CS220015	EX 120209	CS 080248	0.5	106 46	86 60	100 60	96 44	115 56	103 44	87 56	94 50
62	CS 220039	CS220039	CS 160177	CS 130207	2.1	89 24	116 55	102 51	91 29	107 50	107 37	114 48	111 42
63	CS 220052	ESCOURT CS220052	EX 120209	CS 090094	0.9	109 46	82 74	116 67	83 48	119 56	105 48	77 63	89 56
64	CS 220073	AMY CS220073	CS 160177	CS 140207	4.7	94 21	104 72	123 60	108 35	96 48	109 41	117 56	114 48
65	CS 220078	TINKERBELL CS220078	SW 120433	CS 090034	0.4	113 37	84 66	108 48	97 28	118 50	109 38	91 52	99 45
66	CS 220222	RALLIE CS220222	SW 120433	CS 080179	0.0	105 33	86 58	106 58	103 35	107 49	102 39	92 51	96 45
67	CS 220231	TINKERBELL CS220231	SW 120433	CS 160145	0.2	93 32	105 49	107 42	88 27	108 49	104 34	101 44	102 39
68	CS 220232	CS220232	CS 160177	CS 190082	6.3	88 20	114 52	126 47	82 27	98 46	103 34	107 44	105 39

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										
						★★★																	
69	CS	220606	ESCOURT CS220606	EX 120209	CS 100124	2.7	94	46	99	72	101	58	86	42	111	56	100	45	89	60	93	52	
70	CS	230019	CS230019	CS 130145	CS 150606	2.8	113	26	80	69	124	50	114	30	99	49	105	39	98	53	101	46	
71	CS	230038	MAK CS230038	XA 160036	MAK 090382	0.0	109	42	103	68	101	46	103	19	102	42	104	35	108	49	106	42	
72	CS	230052	CS230052	CS 160177	CS 130207	2.1	85	24	123	69	100	51	91	29	104	48	107	38	120	53	114	46	
73	CS	230077	GLORIA CS230077	SW 130624	CS 210089	0.1	94	24	105	69	108	46	87	30	109	46	105	37	100	52	102	44	
74	CS	230120	CS230120	XA 160036	MAK 090349	0.0	100	42	114	68	106	46	97	19	103	42	109	35	119	49	114	42	
75	CS	230185	FAIRY CS230185	CS 170110	CS 210008	0.5	105	19	94	61	110	41	101	24	102	36	102	31	100	44	100	38	
76	CS	230209	TINKERBELL CS230209	CS 170110	CS 210083	1.0	117	23	83	63	80	41	119	26	118	43	109	34	96	47	101	40	
77	CS	230264	VINE CS230264	CS 170110	CS 210060	3.0	114	22	78	47	126	37	103	19	101	36	102	28	89	37	94	32	
78	CS	230271	BRUNIA CS230271	CS 170110	CS 210282	0.0	109	17	90	32	107	28	98	17	112	29	106	21	96	28	100	24	
79	CS	230290	WENDY CS230290	CS 170110	CS 210278	0.0	109	17	90	32	107	28	98	17	113	29	107	21	96	28	101	24	
80	CS	230305	CS230305	CS 160177	CS 170373	2.0	80	22	125	68	108	50	87	23	96	47	101	37	116	51	109	44	
81	CS	230618	TINKERBELL CS230618	CS 130145	CS 140180	5.8	106	32	84	55	118	45	110	31	106	49	108	36	98	47	103	42	
82	CS	240001	CS240001	CS 160211	CS 190210	3.0	101	24	99	46	115	37	92	21	111	43	109	30	103	39	106	34	
83	CS	240002	ESCOURT CS240002	CS 180185	CS 200183	1.7	94	22	97	47	137	39	88	19	95	37	100	28	99	38	99	33	
84	CS	240006	ROSE CS240006	CS 140348	CS 220065	0.0	93	18	104	53	117	41	88	25	110	42	109	32	105	42	106	37	
85	CS	240013	CS240013	CS 160177	CS 170004	4.1	91	25	117	69	114	50	88	25	98	47	103	37	113	52	108	44	
86	CS	240016	ESCOURT CS240016	SW 130624	CS 090209	0.1	110	31	81	56	112	52	108	32	109	51	107	38	92	49	99	44	
87	CS	240032	CS240032	CS 160177	CS 130207	2.1	90	24	116	69	102	51	93	29	105	48	106	38	114	53	111	46	
88	CS	240039	CS 240039	CS 160177	CS 190075	4.2	92	18	112	68	109	48	93	27	102	42	105	36	113	50	109	43	
89	CS	240048	CS 240048	CS 160177	CS 150040	6.1	86	22	114	68	133	50	91	20	96	42	109	35	120	50	115	42	
90	CS	240064	MAGGIE	SW 120433	CS 170213	0.0	119	31	78	69	80	46	116	27	116	44	102	36	84	51	92	44	
91	CS	240093	ROXETTE	CS 180185	CS 190107	0.6	110	22	83	66	120	45	116	28	94	43	100	35	98	49	99	42	
92	CS	240121	ESCOURT	CS 160177	CS 170078	3.4	101	25	101	69	113	46	101	27	105	48	109	37	110	52	110	44	
93	CS	240127	CS 240127	CS 170044	CS 220018	2.2	106	21	90	44	121	38	103	20	106	36	109	27	103	37	106	32	
94	CS	240128	ROSE	SW 130624	CS 110089	0.4	116	28	85	53	99	52	106	32	114	47	107	36	93	47	99	42	
95	CS	240135	CS 240135	SW 120433	CS 170108	0.1	85	30	111	67	106	45	84	24	110	42	106	35	103	49	104	42	
96	CS	240137	MAGGIE	SW 130624	CS 120657	0.2	92	32	102	54	102	53	93	33	106	47	101	37	98	48	99	42	
97	CS	240140	ESCOURT	SW 130624	CS 110202	0.3	127	29	71	68	94	54	122	36	112	47	104	40	88	54	95	47	

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	
					★★★★								
98	CS 240147	MAK	CS 180185	CS 220151	1.6	99 26	101 48	124 31	97 17	99 34	105 26	108 36	107 31
99	CS 240151	ROXETTE	SW 130624	CS 130160	0.3	89 33	112 67	104 53	84 33	110 50	106 40	103 54	104 47
100	CS 240152	ROMELIA	CS 180185	CS 200079	4.8	96 19	94 48	117 41	110 22	96 36	103 29	105 39	104 34
101	CS 240154	ROXETTE	CS 180185	CS 200049	2.4	114 21	74 48	129 41	111 22	103 42	107 31	93 40	99 36
102	CS 240164	ROSE	CS 180185	CS 200184	2.1	100 21	92 48	117 41	87 22	112 42	106 31	91 40	97 36
103	CS 240222	ROSE	CS 180185	CS 200108	4.6	104 21	86 48	123 38	99 21	106 41	106 30	96 39	100 34
104	CS 240227	MOOI BEKKIE	SW 120433	CS 080162	0.1	99 34	91 54	104 48	95 29	115 45	106 35	94 46	99 40
105	CS 240233	RAKA	SW 130624	CS 120613	0.2	96 26	98 69	119 54	99 32	102 46	105 39	105 54	105 46
106	CS 240304	OSSIBESA	CS 180164	CS 080369	1.0	94 28	101 67	113 49	89 28	103 41	101 36	98 50	99 43
107	CS 240310	CS 240310	XA 160036	CS 140331	0.0	98 40	112 56	122 45	92 22	97 41	106 33	116 44	112 38
108	CS 240319	CS 240319	CS 170044	CS 220307	3.4	115 22	81 44	114 38	116 16	105 40	108 28	100 37	103 32
109	EX 200517	EX 200517	EX 170520	EX 180140	0.8	86 28	131 68	97 57	103 31	90 39	102 37	132 52	119 44
110	LEB 200049	LEB200049	T 100315	BN 140041	0.0	108 74	97 73	106 66	95 30	112 52	108 44	101 60	104 52
						★★★★☆							
1	CS 090144	MAGENTA CS090144	NRF 980053	CS 040144	0.0	112 34	78 79	132 81	116 34	84 59	94 49	93 66	93 58
2	CS 100081	MISSIE CS100081	CS 060045	CS 040038	3.5	102 48	103 80	66 81	112 51	101 63	92 53	96 70	93 62
3	CS 100100	RAKA CS100100	CS 000090	CS 030044	3.1	124 49	81 77	105 80	116 36	95 62	95 50	90 66	92 58
4	CS 110065	TINKERBELL CS110065	CS 060045	CS 040084	5.7	104 48	102 80	75 82	113 50	101 63	95 53	100 70	97 62
5	CS 120032	MISSIE CS120032	CS 060045	CS 040038	3.5	103 48	99 80	75 81	114 45	100 64	93 53	97 69	95 61
6	CS 130007	ESCOURT CS130007	LCK 040002	CS 990061	0.0	129 45	75 72	61 78	133 43	112 62	99 50	92 65	95 58
7	CS 130105	ROMELIA CS130105	CS 050079	CS 080103	1.1	92 38	117 69	105 73	90 32	89 58	92 46	106 60	99 53
8	CS 140102	SNYBERG CS140102	CS 080122	CS 120012	0.0	126 30	68 78	107 77	130 29	93 56	95 46	93 63	93 54
9	CS 140302	CS140302	CS 060600	CS 090351	0.0	104 17	98 68	99 75	105 19	95 46	94 39	98 54	96 46
10	CS 140331	PINKIE CS140331	CS 060600	CS 040369	0.0	95 14	98 74	125 73	98 25	86 42	93 40	100 56	96 48
11	CS 140433	CS140433	CS 100063	CS 100376	0.3	107 33	87 68	107 75	95 25	102 54	93 43	83 58	87 50
12	CS 160090	ELLIE CS160090	CS 080122	CS 070145	1.8	104 37	87 69	127 73	113 33	82 57	93 45	98 60	95 52
13	CS 160118	VARA CS160118	CS 080122	CS 070108	4.0	118 40	82 70	106 76	122 33	91 57	95 46	97 61	95 54

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	
						★★★★								
14	CS	170293	MADONNA CS170293	CS 110056	CS 030066	2.0	10137	9369	10774	10242	9657	9447	9461	9354
15	CS	170373	CS170373	CS 070312	CS 140302	0.0	9728	9969	9476	10026	9754	9144	9558	9251
16	CS	180005	ROXETTE CS180005	CS 080122	CS 090009	4.8	10241	9763	11164	10032	9458	9543	9956	9750
17	CS	190076	CS190076	CS 080378	CS 110229	0.0	10921	8751	10452	11633	9450	9537	9647	9542
18	CS	190078	ESCOURT CS190078	CS 080378	CS 140003	0.0	12330	7756	9254	12232	9954	9539	8851	9045
19	CS	190112	RAKA CS190112	CS 080378	CS 120630	0.0	10330	9253	11253	10332	9353	9438	9549	9444
20	CS	190329	CS190329	CS 110056	CS 100419	3.6	9032	10067	10472	9444	10054	9646	9660	9553
21	CS	200040	CS200040	CS 110056	CS 080208	0.2	10932	8558	9455	12235	9755	9741	9652	9646
22	CS	200088	MAK CS200088	CS 100070	MAK 080286	0.0	9329	10149	9647	11227	9452	9636	10346	9941
23	CS	200106	VINE CS200106	CS 130145	CS 150040	5.6	10728	7761	14860	10726	8252	9539	9052	9246
24	CS	210060	VINE CS210060	CS 130145	CS 150040	5.6	11228	7270	14451	11026	8251	9239	8654	8746
25	CS	210083	TINKERBELL CS210083	CS 070024	CS 130623	4.2	11230	9272	4961	12540	10953	9544	9459	9452
26	CS	210304	CS210304	CS 070024	CS 130374	2.3	9831	9870	7752	11634	9854	9342	9756	9549
27	CS	210322	CS210322	CS 140348	CS 130365	2.3	6720	14067	10242	7616	8647	9034	11049	10042
28	CS	220033	TINKERBELL CS220033	EX 180022	CS 110065	2.2	10235	9967	9350	11433	9548	9739	10453	10046
29	CS	220074	CS220074	SW 120433	CS 110608	0.0	9925	9163	11044	9220	10037	9332	8646	8839
30	CS	220300	CS220300	EX 120209	CS 100422	2.1	9242	11057	11156	7837	10453	9941	9152	9446
31	CS	220311	CS220311	SW 120433	CS 070306	0.2	10034	9565	9846	8928	10451	9338	8452	8745
32	CS	230001	TINKERBELL CS230001	SW 120433	CS 030062	0.4	10540	9153	8149	10137	11051	9538	8649	8944
33	CS	230008	CS230008	EX 090200	EX 200261	4.8	11236	9171	9856	9946	10649	9943	9258	9450
34	CS	230025	MAGENTA CS230025	CS 130145	CS 120031	3.4	12529	6668	10949	11933	9450	9039	7753	8246
35	CS	230074	FAIRY CS230074	CS 130145	CS 150017	5.6	10328	9570	10050	10929	9348	9339	9653	9446
36	CS	230105	AMELIA CS230105	CS 130145	CS 130150	3.6	11726	7568	11449	11329	9849	9738	8552	8945
37	CS	230129	TINKERBELL CS230129	SW 120433	CS 100008	0.5	10936	8951	9447	9631	10348	9136	8346	8641
38	CS	230246	MEDUSA CS230246	SW 120433	CS 090037	0.3	9038	10454	10447	8429	10249	9436	8947	9042
39	CS	230266	ROXETTE CS230266	SW 120433	CS 180005	0.3	10032	9548	9742	9425	10847	9833	9143	9438
40	CS	230320	LUCKY CS230320	CS 130145	CS 171303	3.1	10627	8251	13647	10128	8748	9335	9045	9040
41	CS	240017	CS240017	CS 180185	EX 200261	0.9	11628	8465	9944	9832	10542	9436	8249	8642
42	CS	240030	ESCOURT CS240030	CS 170044	CS 220255	1.4	10231	9246	12040	9126	9538	9330	8839	9034

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	
43	CS 240067	MAGENTA	CS 140348	CS 160270	0.0	85	118	130	80	89	97	107	102
44	CS 240090	LENA	CS 170044	CS 220084	2.6	117	73	125	96	98	92	75	82
45	CS 240092	ANITA	CS 140348	CS 130047	0.0	75	129	97	82	94	94	108	101
46	CS 240157	BLESSING	CS 180185	CS 200042	6.2	109	81	112	119	88	93	94	93
47	CS 240170	LENA	CS 140348	CS 150043	0.0	87	121	110	84	94	97	109	103
48	CS 240179	JUANA	SW 120433	CS 130182	0.2	93	101	87	95	108	97	94	95
49	CS 240184	TINKERBELL	SW 120433	CS 150639	0.2	94	105	103	88	103	98	96	96
50	CS 240208	CS 240208	CS 180185	CS 200074	2.8	115	74	122	102	96	92	79	84
51	CS 240213	MAVENDA	SW 120433	CS 110608	0.0	94	98	107	90	104	97	92	93
52	CS 240224	TINKERBELL	CS 140348	CS 140180	0.0	87	115	95	90	96	93	103	98
53	CS 240244	ROXETTE	CS 150081	CS 210076	4.2	108	81	125	112	92	98	94	95
54	CS 240253	CS 240253	CS 150081	CS 210244	3.5	94	104	118	95	93	98	105	101
55	CS 240259	LENA		CS 220295	0.0	97	101	105	94	98	94	96	95
56	CS 240264	CS 240264	CS 140348	CS 150070	0.0	86	121	94	89	93	92	107	100
57	CS 240322	CS 240322	CS 140348	CS 150323	0.0	78	136	83	85	96	95	116	106
58	CS 240345	CS 240345	CS 170044	CS 220300	0.8	105	92	116	94	95	93	90	90
59	EX 160516	EX 160516	MVN 100160	AZ 120020	0.2	109	101	77	125	88	90	107	99
60	EX 180258	RUSTY	EX 120209	EX 100159	4.2	98	95	122	77	101	94	78	84
61	EX 200018	PEDI 9015	SW 100012	EX 130276	0.2	110	88	120	114	88	97	100	98
62	EX 200261	SKEW	EX 170210	EX 090038	0.1	114	103	65	85	123	99	83	89
63	Q 170099	Q 170099	Q 070062	Q 130047	0.6	75	107	112	87	96	93	96	94
64	Q 230127	Q 230127	T 180165	Q 150053	0.5	102	103	110	99	94	97	104	101
65	WT 170055	WT 170055	GA 110058	WT 130057	0.2	78	117	103	91	88	90	106	98
1	CS 100051	SUSANNA CS100051	CS 060045	CS 030070	3.5	103	108	77	98	94	85	93	88
2	CS 100422	CS100422	CS 050079	CS 070417	0.0	92	119	112	87	82	87	105	96
3	CS 110076	ESCOURT CS110076	LCK 040002	CS 000069	0.0	103	54	103	104	111	89	57	70

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	
					★★								
4	CS 110186	EMPRESS CS110186	CS 060600	CS 960045	0.0	79 42	114 79	136 81	73 43	79 53	85 49	89 66	86 58
5	CS 120629	ESCOURT CS120629	CS 070024	CS 070213	0.4	111 38	94 70	53 75	122 36	97 58	84 47	88 61	85 54
6	CS 130321	CS130321	CS 060600	CS 020326	0.0	100 33	96 55	91 52	113 28	88 46	87 36	94 48	90 42
7	CS 140076	CS140076	CS 080122	CS 070078	3.9	128 35	69 77	100 77	131 30	84 58	85 47	87 63	85 55
8	CS 190152	CS 190152	CS 070024	CS 150008	1.9	114 34	82 62	71 62	115 32	104 55	88 42	78 55	82 48
9	CS 210305	CS210305	CS 110056	CS 090390	0.9	116 36	82 73	80 62	122 44	90 54	83 45	83 61	81 53
10	CS 220014	RAKA CS220014	SW 120433	CS 100611	0.1	91 31	107 68	93 59	76 35	103 51	88 42	76 56	80 49
11	CS 220354	CS220354	EX 120209	CS 100422	2.1	99 42	99 71	114 56	81 37	95 53	88 43	80 58	83 50
12	CS 230312	CS230312	CS 130145	CS 080381	0.0	123 30	64 70	113 52	121 31	89 51	87 40	76 55	80 48
13	CS 230600	MAGGIE CS230600	SW 120433	CS 080088	0.1	103 36	95 53	86 46	99 28	94 45	82 34	83 45	81 40
14	CS 240007	RAKA CS240007	CS 140348	CS 150060	0.0	89 19	117 55	95 42	92 20	83 44	83 32	101 43	92 38
15	CS 240034	SNYBERG CS240034	CS 140348	CS 130667	0.0	102 16	104 69	90 46	100 24	92 45	88 36	96 50	92 43
16	CS 240313	CS 240313	CS 140348	CS 140302	0.0	93 14	110 68	100 46	89 19	84 36	82 32	93 47	87 40
17	CS 240316	CS 240316	CS 140348	CS 140433	0.0	91 19	110 68	102 46	84 20	88 44	83 35	88 49	85 42
18	EX 150309	EYESHADOW	EX 090200	EX 090267	6.7	125 38	78 81	68 84	116 68	97 58	80 55	71 72	73 64
19	EX 180225	EX 180225	EX 120209	EX 100052	0.2	96 43	99 79	97 78	78 56	96 57	80 52	69 68	72 60
20	EX 200330	EX 200330	EX 130216	EX 160516	0.5	97 42	110 67	87 70	111 57	85 45	88 45	105 59	97 52
21	WT 140077	WT1477	GL 060110	WT 030023	0.0	117 51	91 42	82 50	111 20	89 54	82 35	83 43	81 39
						★★							
1	CS 120039	CS120039	CS 070312	CS 020091	3.1	108 41	91 79	82 81	117 45	83 61	79 52	87 68	82 60
2	CS 160327	CS160327	CS 070312	CS 100326	3.1	79 33	98 72	120 78	87 24	73 57	72 45	80 60	75 52
3	CS 190333	CS190333	CS 100430	CS 090304	0.0	87 22	115 63	108 71	84 52	77 42	77 42	92 56	84 49
4	CS 200313	CS200313	CS 110056	CS 080369	4.2	105 32	92 67	90 69	101 45	84 55	75 46	79 60	75 53
5	CS 240107	ELLIE	CS 140348	CS 160090	0.0	94 21	103 68	115 46	90 23	78 40	79 34	90 49	84 42
						★							
1	CS 140319	CS140319	CS 080122	CS 070328	0.0	94 37	92 76	103 71	103 29	71 58	68 46	78 62	72 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	
					★								
2	CS 190330	CS190330	CS 100430	CS 140319	0.0	10218	9462	8570	9633	7641	6439	7152	6546
3	CS 210332	CS210332	CS 140348	CS 140319	2.3	8419	11271	10257	8720	6546	6437	8352	7244
					★								
1	CS 110424	CS110424	LCK 050018	CS 090311	0.0	8827	10355	8962	9516	5745	5135	7147	5941

Selection List on Cow Value

Bull Calves younger than 2 years

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	
1	CS 250064	CS 250064	EX 160001	Q 190056	0.3	81 43	108 72	115 52	89 39	122 43	122 40	116 55	119 48
2	CS 250088	CS 250088	CS 170110	CS 230011	1.5	113 27	91 60	100 41	105 27	127 37	121 32	106 45	113 38
3	CS 260035	CS 260035	CS 180164	CS 150606	4.1	110 17	89 48	103 45	115 18	124 37	124 29	112 39	119 34
4	CS 260098	CS 260098	Q 210021	CS 140644	0.2	90 31	105 50	128 46	91 27	121 37	125 31	119 42	123 36
5	CS 260129	CS 260129	CS 200001	CS 230011	4.1	111 21	88 40	103 39	115 23	120 32	120 26	109 35	115 30
1	CS 250006	CS 250006	CS 190043	CS 220065	1.4	99 19	95 63	113 39	101 22	116 34	115 30	108 44	112 37
2	CS 250026	CS 250026	Q 210021	CS 150040	0.9	77 32	118 67	131 48	83 24	105 37	114 34	118 49	117 42
3	CS 250059	CS 250059	CS 190043	CS 220036	2.4	92 14	107 62	111 39	90 23	112 32	111 29	109 43	110 36
4	CS 250068	CS 250068	CS 200093	CS 170168	2.1	97 21	99 63	122 44	93 19	110 36	112 31	107 45	109 38
5	CS 250090	CS 250090	Q 210021	CS 160270	0.8	82 31	114 65	143 45	78 23	107 35	117 32	115 47	116 40
6	CS 250102	CS 250102	CS 190043	CS 200059	1.2	89 18	109 60	113 42	90 21	114 35	114 30	112 43	114 36
7	CS 250150	CS 250150	CS 200001	CS 210017	0.0	110 17	86 43	102 37	115 22	111 34	110 27	101 36	105 32
8	CS 250164	CS 250164	EX 160001	CS 210005	0.9	117 37	82 58	106 50	113 38	119 43	117 37	101 49	109 43
9	CS 250178	CS 250178	Q 210021	CS 220018	0.8	80 29	117 51	124 39	80 25	114 34	117 29	114 40	116 34
10	CS 250191	CS 250191	Q 210021	CS 190290	1.2	78 35	121 51	114 46	80 34	116 38	117 33	115 44	116 38
11	CS 250194	CS 250194	CS 200020	CS 110148	1.0	124 27	72 45	98 45	120 31	122 40	115 32	95 41	104 36
12	CS 250301	CS 250301	EX 160001	CS 200333	1.4	99 37	107 69	101 51	99 35	120 42	119 38	118 53	119 46
13	CS 260008	CS 260008	XA 160036	CS 210244	0.8	98 41	119 50	118 36	89 22	104 37	112 29	122 40	118 34
14	CS 260019	CS 260019	EX 220027	Q 170005	1.2	77 42	113 53	131 48	81 34	105 36	111 33	109 44	110 38
15	CS 260032	CS 260032	Q 210021	CS 170004	1.3	92 35	106 51	119 47	87 26	111 36	111 31	107 42	109 36
16	CS 260037	CS 260037	CS 180164	CS 150070	0.3	93 23	111 50	92 46	101 22	113 38	112 31	118 41	116 36
17	CS 260039	CS 260039	CS 200211	CS 200049	2.3	104 19	91 38	116 38	99 21	110 33	110 26	101 33	105 30
18	CS 260046	CS 260046	CS 200001	CS 230032	0.2	101 25	103 43	110 36	103 21	108 32	112 26	115 35	114 30
19	CS 260052	CS 260052	XA 160036	CS 240032	0.2	96 40	122 54	111 37	90 23	105 37	111 30	123 42	118 36
20	CS 260059	CS 260059	Q 210021	CS 170054	2.1	90 34	110 51	122 47	87 25	109 35	113 31	113 42	113 36
21	CS 260060	CS 260060	Q 210021	CS 180009	0.6	80 29	116 51	110 48	86 28	115 34	115 31	116 42	116 36
22	CS 260069	CS 260069	XA 160036	CS 230279	0.3	101 41	110 53	119 34	95 22	106 35	113 29	119 40	117 34
23	CS 260074	CS 260074	CS 180164	CS 130057	7.7	94 24	112 51	89 49	94 18	122 38	116 31	113 41	115 36
24	CS 260079	CS 260079	XA 160036	CS 190002	0.4	93 42	119 55	115 46	90 32	110 40	117 34	124 46	121 40

Selection List on Cow Value

Bull Calves younger than 2 years

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	
						★★★★☆								
25	CS 260082	CS 260082	CS 200001	CS 230073	0.5	101 25	100 43	121 34	93 19	107 31	110 25	107 34	108 30	
26	CS 260086	CS 260086	CS 170021	CS 170099	2.9	102 26	102 45	107 46	107 18	113 36	117 29	116 38	117 34	
27	CS 260089	CS 260089	CS 180164	CS 240019	4.1	107 23	101 48	96 36	107 16	116 32	115 26	112 36	114 31	
28	CS 260095	CS 260095	Q 210021	CS 240060	1.0	68 28	133 51	121 38	77 25	110 31	118 28	125 39	122 34	
29	CS 260097	CS 260097	CS 180164	CS 130011	0.3	93 23	109 50	96 49	101 26	116 38	115 32	117 42	116 37	
30	CS 260101	CS 260101	CS 200211	CS 220001	0.5	101 20	95 37	103 36	100 22	119 34	114 26	105 33	109 30	
31	CS 260102	CS 260102	CS 200211	CS 200030	5.5	87 15	113 39	99 41	98 23	113 31	113 26	118 34	116 30	
32	CS 260109	CS 260109	CS 200001	CS 230018	3.9	112 22	88 40	95 39	113 24	121 32	116 26	104 35	110 30	
33	CS 260116	CS 260116	Q 210021	CS 130207	0.5	85 31	114 51	102 48	88 26	114 37	111 32	111 42	111 37	
34	CS 260117	CS 260117	CS 180164	CS 100158	1.9	106 28	94 51	105 49	99 29	115 40	111 33	102 44	106 38	
35	CS 260119	CS 260119	CS 200001	CS 230123	3.8	109 21	90 45	105 38	117 21	115 32	118 26	111 36	114 31	
36	CS 260124	CS 260124	CS 200211	CS 200255	4.7	89 18	109 37	101 36	97 20	112 32	112 25	114 32	113 28	
37	CS 260128	CS 260128	CS 180164	CS 110155	0.3	92 23	101 50	98 49	111 30	109 36	111 32	112 42	111 37	
38	CS 260139	CS 260139	Q 210021	CS 170031	1.3	90 34	109 51	116 46	87 24	112 35	113 30	110 41	111 36	
39	CS 260154	CS 260154	CS 180164	CS 170078	6.9	111 12	86 44	99 42	114 16	119 35	116 27	102 36	109 32	
40	CS 260156	CS 260156	CS 170021	CS 120042	2.5	109 28	97 50	97 48	115 31	110 40	113 33	112 43	113 38	
41	CS 260158	CS 260158	CS 200001	CS 230118	1.3	109 24	91 45	99 40	111 27	121 34	119 28	108 38	113 33	
42	CS 260306	CS 260306	XA 160036	CS 200333	0.2	92 40	123 51	120 42	88 26	108 38	118 31	129 42	125 36	
						★★★☆☆								
1	CS 250044	CS 250044	CS 200304	CS 080160	1.9	103 25	97 65	121 45	95 22	100 37	102 33	101 47	101 40	
2	CS 250047	CS 250047	CS 190043	LEB 200049	0.1	102 40	99 63	101 42	99 21	110 35	106 31	103 45	104 38	
3	CS 250049	CS 250049	CS 210300	CS 160227	6.6	92 11	113 68	125 45	88 5	92 33	100 29	111 44	106 36	
4	CS 250071	CS 250071	Q 210021	CS 160039	1.1	77 32	123 66	122 47	78 24	103 36	108 33	113 48	111 40	
5	CS 250108	CS 250108	CS 190043	CS 220150	2.5	92 15	103 44	110 35	98 19	105 31	107 25	109 34	108 30	
6	CS 250123	CS 250123	CS 190043	CS 220090	3.5	96 26	99 47	101 39	98 23	112 35	107 28	102 38	104 33	
7	CS 250142	CS 250142	CS 210300	CS 130007	0.0	116 25	88 49	90 46	118 24	103 39	101 31	99 41	99 36	
8	CS 250155	CS 250155	CS 190043	CS 220231	1.5	99 21	97 39	103 33	98 18	108 33	104 25	100 33	102 29	
9	CS 250168	CS 250168	Q 210021	CS 170250	0.8	79 29	117 46	118 38	85 23	103 35	107 28	113 38	110 33	
10	CS 250200	CS 250200		CS 230078	0.0	107 21	90 37	98 29	112 18	106 26	105 22	99 29	101 26	
11	CS 250303	CS 250303	Q 210021	CS 140433	1.1	95 31	95 66	120 47	85 22	107 35	102 33	90 47	95 40	

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	
					★★★★								
12	CS 250322	CS 250322	Q 210021	CS 140302	0.3	8528	11351	11347	8621	10432	10529	10740	10634
13	CS 250324	CS 250324	EX 160001	CS 210322	0.2	10036	10557	9644	9532	10942	10435	10446	10440
14	CS 260001	CS 260001	Q 210021	CS 190210	1.8	8531	11348	11239	8526	10835	10729	10739	10734
15	CS 260002	CS 260002	CS 160211	CS 220295	2.7	9924	10445	12436	8521	10337	10528	10137	10332
16	CS 260004	CS 260004	EX 180022	CS 230054	2.6	9529	9951	12239	10426	9336	10230	10841	10536
17	CS 260007	CS 260007	EX 180022	CS 230188	3.2	9934	9952	11440	10927	9636	10330	10841	10536
18	CS 260010	CS 260010	CS 200211	CS 230618	5.7	9618	9835	11029	9613	11030	10822	10429	10626
19	CS 260016	CS 260016	EX 180022	CS 230062	1.2	9234	11551	11237	10026	9336	10330	11940	11235
20	CS 260018	CS 260018	XA 160036	EX 200261	0.3	10844	11554	9345	8635	11438	10834	10745	10740
21	CS 260020	CS 260020	CS 200001	CS 230008	1.0	10622	9444	10438	10127	10833	10428	10037	10232
22	CS 260023	CS 260023	CS 210300	CS 150060	3.5	9916	10450	10440	11015	9734	10327	11238	10832
23	CS 260027	CS 260027	CS 200001	CS 230025	0.9	11319	8242	10935	11322	10133	10126	9335	9630
24	CS 260028	CS 260028	CS 200001	CS 230105	4.4	10814	8642	11235	10917	10431	10424	9733	10028
25	CS 260034	CS 260034	Q 210021	CS 190075	0.2	8829	10949	10846	8827	11134	10930	10741	10836
26	CS 260049	CS 260049	CS 200001	CS 230120	0.1	9925	10643	10835	10019	10631	10925	11434	11230
27	CS 260053	CS 260053	CS 200211	CS 210149	0.3	10216	9441	11836	10121	10332	10625	10434	10430
28	CS 260061	CS 260061	CS 180164	CS 140027	7.9	9222	11051	8947	9915	11436	10929	11240	11134
29	CS 260064	CS 260064	CS 200001	CS 230266	1.5	10020	9635	10333	9819	10832	10424	10031	10128
30	CS 260066	CS 260066	CS 210300	CS 170108	3.4	8915	11146	12543	8912	10032	10626	11236	11031
31	CS 260068	CS 260068	CS 200001	CS 230129	0.8	10422	9336	10235	9921	10633	10025	9632	9728
32	CS 260071	CS 260071	CS 180164	CS 240034	3.1	989	10648	9435	9714	10831	10325	10535	10430
33	CS 260073	CS 260073	CS 170021	CS 120630	2.5	9929	10346	10848	10024	10136	10330	10840	10535
34	CS 260077	CS 260077	CS 200001	CS 230077	0.9	9715	10142	10934	9420	10931	10725	10434	10530
35	CS 260078	CS 260078	CS 180164	CS 240264	0.2	9019	11443	9635	9218	10833	10525	11035	10830
36	CS 260090	CS 260090	CS 200211	CS 240170	2.2	8717	11740	10730	8614	10430	10423	11031	10727
37	CS 260092	CS 260092	CS 200211	CS 200041	4.6	9118	10938	9939	8720	11432	10725	10233	10429
38	CS 260096	CS 260096	CS 210300	CS 170213	0.1	11522	9047	9544	11622	10437	10329	10039	10134
39	CS 260114	CS 260114	CS 200211	CS 240067	1.6	8617	11640	11730	8414	10129	10422	10931	10626
40	CS 260130	CS 260130	Q 210021	CS 190112	0.4	8530	11046	12039	8525	10234	10428	10538	10433
41	CS 260135	CS 260135	XA 160036	CS 210083	0.2	10742	11055	8540	10727	10739	10632	11244	11038
42	CS 260147	CS 260147	CS 210300	CS 240207	0.9	9824	11243	11233	9116	10531	10824	11333	11128
43	CS 260149	CS 260149	CS 170021	CS 240057	4.4	9222	11345	10836	9413	10632	10925	11634	11330

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	
					★★★★								
44	CS 260151	CS 260151	CS 180164	CS 240213	0.1	94 20	103 40	102 36	92 18	113 31	108 25	103 33	105 29
45	CS 260153	CS 260153	CS 180164	CS 180005	3.8	98 25	103 46	104 42	97 19	109 37	107 29	107 38	107 34
46	CS 260159	CS 260159	CS 180164	CS 110065	9.0	99 24	105 52	86 49	102 20	112 37	106 31	107 42	106 36
47	CS 260165	CS 260165	Q 210021	CS 190148	1.0	98 31	104 51	79 47	101 32	118 35	108 32	105 43	106 38
48	CS 260303	CS 260303	CS 200001	CS 230305	1.8	90 14	111 42	109 35	94 17	102 31	105 24	112 33	109 28
49	CS 260315	CS 260315	XA 160036	CS 200361	0.0	103 39	110 47	110 39	94 18	98 30	102 26	110 37	106 32
50	CS 260316	CS 260316	CS 210300	CS 171303	0.6	97 22	101 44	122 41	98 19	95 35	101 27	107 37	104 32
						★★★★☆							
1	CS 250010	CS 250010	CS 160177	CS 170293	2.7	78 25	127 70	112 49	83 29	92 44	99 37	114 52	107 44
2	CS 250134	CS 250134	CS 200304	CS 130182	2.2	98 27	97 45	110 40	98 25	97 37	97 29	98 39	97 34
3	CS 250188	CS 250188	CS 200304	CS 090180	1.7	115 25	81 49	116 44	112 23	93 37	96 30	91 40	92 35
4	CS 260126	CS 260126	CS 210300	CS 140102	0.2	113 20	85 51	113 45	117 20	92 36	97 30	98 40	97 35
5	CS 260132	CS 260132	CS 210300	CS 200007	0.1	101 20	98 46	106 41	100 24	99 35	98 28	99 38	98 33
6	CS 260138	CS 260138	CS 170021	CS 240273	0.0	99 20	103 32	112 28	98 16	92 27	96 21	104 27	99 24
7	CS 260152	CS 260152	CS 170021	CS 240272	0.0	99 20	103 32	112 28	98 16	92 27	96 21	104 27	99 24
8	CS 260311	CS 260311	XA 160036	CS 200313	0.5	103 42	110 54	105 43	93 29	94 39	96 33	105 44	100 38
9	CS 260313	CS 260313	Q 210021	CS 190333	0.0	77 28	121 49	117 46	78 32	94 30	96 30	103 40	100 35
10	CS 260321	CS 260321	Q 210021	CS 160327	0.2	73 31	113 52	124 48	79 22	92 36	94 31	97 42	95 36
11	CS 260323	CS 260323	CS 210300	CS 140433	0.8	104 20	94 48	113 44	96 18	96 35	94 28	93 39	93 34
						★★							
1	CS 250119	CS 250119	CS 200304	CS 110186	3.1	94 22	100 49	133 43	83 23	83 32	86 28	87 39	86 34
2	CS 250300	CS 250300	CS 200093	CS 190333	0.0	88 17	112 63	120 42	84 29	84 31	88 31	98 45	93 38
3	CS 250327	CS 250327	CS 200304	CS 080369	3.9	100 23	92 49	129 44	88 24	83 36	84 30	83 40	82 35
4	CS 260300	CS 260300	CS 200304	CS 100422	2.1	100 16	102 39	121 37	90 16	84 30	87 24	95 32	91 28

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	CS 260063	MAK	Q 210021	CS 190627	0.9	88 29	109 50	115 47	91 35	130 34	130 32	123 42	128 37
					★★★★★								
1	CS 250012	MOOI BEKKIE	EX 160001	CS 120241	2.2	104 39	102 72	109 55	104 37	122 46	124 41	120 56	123 48
2	CS 250079	TINKERBELL	CS 170110	CS 230118	4.7	123 22	77 62	101 41	113 26	127 34	120 31	97 45	108 38
3	CS 250124	CS 250124	EX 160001	CS 210084	2.0	117 36	86 57	102 45	114 34	127 41	125 35	109 47	117 41
4	CS 260030	CS 260030	Q 210021	CS 190021	0.9	74 29	122 51	120 48	81 35	118 34	123 32	122 43	123 38
5	CS 260036	MAK	Q 210021	CS 170063	0.4	78 30	118 50	115 47	85 26	123 35	125 31	124 41	125 36
6	CS 260083	RAKA	Q 210021	CS 190288	1.0	88 34	113 52	109 48	87 34	123 37	122 33	117 44	120 38
7	CS 260084	CS 260084	Q 210021	CS 170168	0.7	81 30	115 50	117 47	83 24	120 35	121 30	117 41	120 36
8	CS 260108	CS 260108	CS 180164	CS 140602	4.1	109 17	90 49	105 46	117 19	124 36	126 29	115 40	121 34
9	CS 260141	ROMELIA	CS 180164	CS 140138	8.4	99 13	99 52	95 47	112 14	126 36	125 29	117 40	122 34
10	CS 260157	CS 260157	CS 200001	CS 220142	0.4	106 19	93 43	112 39	110 22	116 33	120 27	112 36	116 32
					★★★★★								
1	CS 250001	ROXETTE	CS 210300	CS 150606	3.5	113 16	86 48	114 43	116 17	108 35	113 28	107 38	110 33
2	CS 250005	TINKERBELL	CS 170021	CS 120042	2.5	100 28	110 67	94 48	112 31	112 40	117 36	123 50	121 43
3	CS 250013	TINKERBELL	CS 190043	CS 220276	4.6	111 18	82 61	104 38	117 16	116 32	115 28	102 42	108 35
4	CS 250016	AMELIA	Q 210021	CS 150240	1.3	105 32	90 67	106 48	99 24	121 36	114 34	100 48	107 41
5	CS 250018	RAKA	Q 210021	CS 150060	0.7	82 31	117 53	108 43	91 24	107 35	110 30	117 42	114 36
6	CS 250020	MAGENTA	CS 200093	CS 190021	2.1	101 19	91 64	129 44	97 31	107 34	111 33	104 47	107 40
7	CS 250023	RAKA	CS 200020	CS 120630	0.9	109 26	84 62	107 47	111 24	113 37	110 33	97 46	103 40
8	CS 250032	LENA	Q 210021	CS 150043	1.2	83 33	117 52	124 47	84 25	109 37	115 31	117 43	117 37
9	CS 250036	MAK	CS 200093	CS 170063	1.5	91 20	107 63	119 44	97 22	111 36	117 32	120 45	119 38
10	CS 250037	RAKA	CS 200020	CS 120613	1.4	105 22	85 63	122 47	112 26	105 39	111 34	104 47	107 40
11	CS 250043	MAGGIE	Q 210021	CS 170213	0.2	103 32	95 66	101 47	103 26	114 37	110 34	104 48	107 41
12	CS 250055	ESCOURT	CS 190043	CS 220001	0.6	117 20	73 61	104 39	120 23	115 36	111 31	94 44	101 38
13	CS 250063	ROXETTE	CS 210300	CS 140602	3.5	115 16	83 66	117 44	120 16	108 35	115 31	109 45	112 38
14	CS 250083	RAKA	CS 200093	CS 140644	0.8	111 22	82 64	134 42	110 22	110 37	119 32	107 46	113 39
15	CS 250087	MEDUSA	CS 170110	CS 230018	5.3	121 24	71 60	98 40	116 24	127 35	117 31	91 44	103 38

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	
					★★★★☆								
16	CS 250114	RAKA	CS 200020	CS 120053	0.2	114 24	83 63	103 49	117 31	120 39	118 35	104 49	110 42
17	CS 250127	ROXETTE	CS 200020	CS 130004	1.1	117 25	80 46	101 46	118 26	120 39	117 31	101 41	108 36
18	CS 250140	MOOIBEKKIE	CS 200001	CS 150621	4.5	109 13	88 42	90 45	117 13	117 34	112 26	103 35	107 30
19	CS 250147	MADONNA	CS 200001	CS 200109	0.4	106 19	92 40	106 40	109 27	112 34	112 27	105 36	108 32
20	CS 250156	VINE	EX 160001	CS 200076	2.3	113 41	88 56	97 52	116 39	120 46	118 38	107 50	113 44
21	CS 250162	TINKERBELL	CS 200001	CS 150294	10.2	91 17	106 44	104 41	97 20	115 34	114 27	113 36	114 32
22	CS 250180	MAK	CS 190043	CS 220127	3.9	97 10	103 45	106 35	103 17	117 31	118 25	117 34	118 30
23	CS 250186	ESCOURT	EX 160001	CS 130222	2.7	110 37	93 58	90 54	102 34	124 44	113 37	101 49	107 43
24	CS 250205	CS 250205	Q 210021	CS 171303	1.1	70 31	129 64	122 44	81 23	106 36	114 32	124 46	120 39
25	CS 250320	CS 250320	Q 210021	CS 150323	1.1	82 35	122 54	100 47	87 27	113 38	113 32	118 44	116 38
26	CS 260005	ROMELIA	Q 210021	CS 190016	0.4	71 30	120 50	119 47	82 34	113 34	116 32	117 42	117 37
27	CS 260013	TINKERBELL	CS 200211	CS 220276	4.4	93 18	107 36	102 34	95 15	120 30	118 23	114 30	116 26
28	CS 260025	RAKA	CS 200001	CS 230080	0.7	108 24	95 45	101 38	111 23	112 33	113 27	108 37	110 32
29	CS 260029	MAGENTA	CS 200001	CS 230063	3.6	109 19	88 44	109 38	113 20	109 31	111 26	105 35	108 30
30	CS 260040	MAK	Q 210021	CS 240052	0.8	74 29	125 51	121 38	80 23	112 32	118 28	122 39	121 34
31	CS 260042	MOOIBEKKIE	CS 200211	CS 120241	2.9	85 22	117 42	117 43	87 22	114 36	118 28	121 37	120 32
32	CS 260047	CS 260047	CS 180164	CS 240240	4.1	95 25	114 48	99 36	95 15	118 32	117 26	120 36	120 31
33	CS 260048	ROMMELIA	CS 200001	CS 230079	0.1	92 25	111 43	107 36	101 22	106 31	111 26	120 35	117 30
34	CS 260070	ESCOURT	Q 210021	CS 170069	0.4	87 31	108 50	113 46	88 24	117 35	115 30	110 41	113 36
35	CS 260085	AMY	CS 200001	CS 230628	4.5	104 13	93 36	109 34	110 14	113 30	115 22	109 30	112 26
36	CS 260100	MAGENTA	CS 200211	CS 220028	5.8	91 24	107 39	102 38	88 25	119 32	113 26	105 34	109 30
37	CS 260113	ESCOURT	CS 200211	CS 200183	1.0	84 21	113 36	124 36	83 19	107 33	111 25	110 32	111 28
38	CS 260125	RAKA	XA 160036	CS 150184	0.2	118 44	103 58	94 48	112 27	109 41	112 34	114 47	113 40
39	CS 260127	ROXETTE	CS 180164	CS 240093	5.5	102 5	95 46	109 34	106 8	108 29	110 23	106 33	108 28
40	CS 260136	CS 260136	CS 180164	CS 240013	1.4	92 19	112 47	106 37	91 18	110 33	111 26	113 36	112 31
41	CS 260142	CS 260142	CS 200211	CS 220055	1.7	92 19	108 41	108 36	99 22	108 31	111 25	115 34	113 30
42	CS 260143	MISSIE	CS 200211	CS 200059	1.5	87 19	111 38	117 39	86 21	117 33	118 26	114 34	116 30
43	CS 260144	CS 260144	CS 180164	CS 100138	6.7	98 19	103 52	87 49	109 15	117 34	114 29	111 40	112 34
44	CS 260146	CS 260146	CS 200211	CS 240069	2.0	95 18	104 40	103 32	94 15	117 30	113 23	108 32	111 28
45	CS 260155	ROSE	XA 160036	CS 240164	0.3	101 40	110 48	118 34	87 21	108 35	111 28	111 38	111 33
46	CS 260160	NAGMUIS	CS 200001	CS 230037	2.0	87 14	114 42	115 35	90 21	109 31	113 25	118 34	116 30
47	CS 260161	TINKERBELL	CS 200211	CS 220090	4.4	87 27	111 42	103 35	88 22	115 33	111 26	108 35	109 30

Selection List on Cow Value

Heifers younger than 2 years

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	
									★★★★☆				
48	CS 260162 ROSE	XA 160036	CS 240222	0.4	103 40	107 48	122 33	92 21	105 34	111 27	114 38	113 32	
49	CS 260163 ROXETTE	CS 170021	CS 130004	2.6	107 28	98 47	102 47	113 25	108 40	112 31	113 41	113 36	
50	CS 260166 RAKA	CS 180164	CS 100172	7.0	91 26	113 50	90 48	96 23	118 38	113 31	115 42	115 36	
51	CS 260317 CS 260317	CS 180164	CS 240310	0.1	96 25	110 43	110 36	93 19	110 33	112 26	115 35	114 30	
52	TX 250012 MALTS	EX 220027	Q 170005	1.2	79 57	113 53	131 48	81 34	107 37	112 34	109 45	110 40	
									★★★☆☆				
1	CS 250003 ANGIE	CS 190043	CS 220055	2.3	102 16	95 63	107 39	115 20	104 33	109 30	110 43	110 36	
2	CS 250009 RAKA	CS 160177	CS 170013	5.0	114 22	88 70	113 50	112 22	95 43	100 36	98 51	98 44	
3	CS 250017 CS 250017	CS 200093	CS 190075	0.8	110 19	86 63	115 42	109 24	100 35	102 31	96 45	98 38	
4	CS 250021 CS 250021	Q 210021	CS 140076	0.8	86 31	113 67	109 48	95 24	98 36	102 33	114 48	108 40	
5	CS 250022 CS 250022	CS 200093	CS 170054	2.8	111 25	87 64	129 44	107 21	97 36	106 32	102 46	103 39	
6	CS 250025 CS 250025	EX 160001	CS 200106	4.9	115 37	81 69	118 49	113 32	106 41	109 37	98 52	103 44	
7	CS 250028 CS 250028	EX 160001	EX 180225	4.2	110 41	90 72	91 55	97 41	112 43	100 40	88 56	93 48	
8	CS 250030 AMY	CS 190043	CS 220073	2.2	98 16	97 63	111 39	112 21	101 32	108 29	110 43	109 36	
9	CS 250031 ESCOURT	CS 190043	CS 220052	1.4	105 26	88 63	107 42	95 27	113 36	104 32	91 46	96 39	
10	CS 250033 TINKERBELL	CS 200093	CS 180009	3.1	106 19	86 64	119 45	109 23	103 34	107 31	100 46	103 38	
11	CS 250038 ROXETTE	CS 190043	CS 200049	2.7	114 18	76 61	115 41	116 21	107 34	108 30	95 43	100 36	
12	CS 250051 ELLIE	Q 210021	CS 160090	0.6	73 32	125 66	122 46	84 25	97 36	106 33	119 48	113 40	
13	CS 250054 DOLLY	CS 200093	CS 170031	1.4	106 25	93 64	121 43	103 21	101 36	105 32	103 46	104 39	
14	CS 250061 TINKERBELL	CS 190043	CS 220008	1.4	109 27	85 62	98 41	103 27	112 37	102 32	89 46	94 39	
15	CS 250067 ROMELIA	CS 210300	CS 110155	0.4	94 21	101 66	108 48	113 30	93 35	101 34	110 48	105 41	
16	CS 250072 SNYBERG	Q 210021	CS 140102	0.4	100 30	93 67	118 48	102 24	102 36	105 33	103 48	103 40	
17	CS 250073 MAGENTA	CS 190043	CS 220028	4.7	102 24	92 62	101 42	100 26	116 35	109 32	99 45	103 38	
18	CS 250074 MAGGIE	CS 190043	CS 200083	3.9	94 18	101 61	101 42	95 19	112 34	107 30	103 43	104 36	
19	CS 250077 MEDUSA	CS 210300	CS 130057	1.2	103 28	101 67	102 47	101 24	106 39	105 34	106 49	105 42	
20	CS 250080 CS 250080	CS 190043	EX 200517	1.2	100 20	103 62	100 38	114 20	98 31	104 29	113 42	109 36	
21	CS 250082 CS 250082	CS 200093	CS 190148	4.5	122 21	77 64	87 44	124 28	107 35	102 32	94 46	97 39	
22	CS 250095 CS 250095	EX 160001	EX 200018	3.6	123 41	74 71	106 53	121 38	109 43	108 40	96 55	101 48	
23	CS 250096 TINKERBELL	Q 210021	CS 200007	0.6	91 30	102 65	112 44	89 28	109 35	106 33	101 47	103 40	
24	CS 250105 ESCOURT	CS 200020	CS 120629	1.3	113 24	84 45	83 45	117 23	109 38	100 30	91 39	94 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	
						★★★★								
25	CS 250110	ESCOURT	CS 200304	CS 170078	1.4	119 21	75 43	115 36	113 23	101 36	101 27	88 36	93 32	
26	CS 250113	RAKA	CS 210300	CS 150184	0.3	111 24	99 69	91 46	117 23	103 38	105 34	109 49	107 42	
27	CS 250117	VARA	Q 210021	CS 160118	1.5	91 33	106 66	116 47	94 24	101 37	104 34	109 48	107 41	
28	CS 250128	MADONNA	CS 200304	CS 100294	2.1	115 21	84 49	118 43	111 29	99 36	103 30	97 41	99 36	
29	CS 250132	TINKERBELL	CS 200001	CS 110065	7.5	101 22	100 48	92 48	109 23	105 36	103 30	104 40	103 35	
30	CS 250136	ESCOURT	CS 200020	CS 110054	3.7	93 26	101 46	132 46	87 22	102 38	106 30	103 40	104 35	
31	CS 250139	CS 250139	CS 200093	CS 170282	1.8	118 20	80 44	112 36	116 21	105 36	107 27	98 36	102 32	
32	CS 250143	VINE	CS 200001	CS 200123	4.5	96 19	104 40	83 39	119 23	107 34	108 27	114 35	111 31	
33	CS 250154	RAKA	CS 210300	CS 140105	0.6	113 22	90 51	111 45	109 25	104 37	107 31	101 41	104 36	
34	CS 250158	CS 250158	EX 160001	CS 200260	0.0	117 35	83 46	97 39	114 31	110 36	105 30	94 40	99 35	
35	CS 250163	CS 250163	EX 160001	CS 210277	0.0	117 35	83 46	97 39	114 31	107 35	103 30	93 39	97 34	
36	CS 250165	ESCOURT	CS 190043	CS 220606	4.6	99 24	94 47	100 38	97 21	108 35	101 28	94 38	96 33	
37	CS 250166	BROKEN CHASSIS	EX 160001	CS 200263	0.0	117 35	83 46	97 39	114 31	110 36	105 30	94 40	99 35	
38	CS 250170	ESCOURT	CS 190043	CS 190156	4.7	100 18	97 43	93 39	112 19	109 34	107 27	105 36	106 32	
39	CS 250171	TINKERBELL	EX 160001	CS 210083	1.9	122 38	82 59	69 50	124 37	119 43	107 37	96 49	101 43	
40	CS 250175	RAKA	CS 190043	CS 220047	1.7	88 19	114 45	113 36	94 19	103 33	109 26	117 36	114 31	
41	CS 250179	TINKERBELL	CS 190043	CS 220078	1.0	109 22	86 45	103 35	107 19	113 34	108 26	95 36	101 31	
42	CS 250181	ESCOURT	Q 210021	CS 190078	0.3	95 30	102 47	109 39	92 25	106 35	103 29	102 39	102 34	
43	CS 250183	TINKERBELL	CS 190043	CS 220033	5.1	103 18	94 45	96 35	114 17	101 32	101 25	101 35	101 30	
44	CS 250184	NEMESIA	EX 160001	CS 210282	0.0	117 35	83 46	97 39	114 31	110 36	105 30	94 40	99 35	
45	CS 250187	FAIRY	CS 200001	CS 150017	4.3	98 20	106 46	83 46	108 20	113 34	109 28	111 38	110 33	
46	CS 250199	RAKA	CS 190043	CS 220147	1.0	106 26	87 48	107 40	105 25	112 36	108 29	97 39	102 34	
47	CS 250201	CS 250201	CS 190043	CS 220132	3.5	88 15	112 45	107 35	94 17	104 31	106 25	113 35	110 30	
48	CS 250312	CS 250312	CS 190043	CS 220361	0.0	90 14	106 58	110 34	98 14	99 25	102 25	109 38	106 32	
49	CS 250314	CS 250314	EX 160001	CS 200361	0.0	124 35	74 67	96 48	119 31	110 36	105 35	90 49	96 42	
50	CS 250321	CS 250321	CS 190043	CS 220307	0.4	108 20	88 46	103 37	114 19	109 34	109 27	102 37	105 32	
51	CS 250325	CS 250325	EX 160001	CS 200362	0.0	117 35	83 46	97 39	114 31	110 36	106 30	95 40	99 35	
52	CS 250328	CS 250328	EX 160001	CS 210304	3.2	115 38	85 58	83 47	120 34	114 43	107 36	97 48	102 42	
53	CS 250329	CS 250329	CS 190043	CS 220300	1.6	98 25	99 41	105 38	92 22	105 35	100 27	95 36	97 32	
54	CS 260009	ROXETTE	EX 180022	CS 230019	2.6	102 28	93 50	124 38	111 26	89 36	100 30	104 40	102 35	
55	CS 260011	TINKERBELL	EX 180022	CS 230028	2.3	97 29	102 50	109 40	104 29	99 37	103 31	108 41	106 36	
56	CS 260014	ROXETTE	EX 180022	CS 230068	2.0	99 33	101 51	103 40	114 28	102 37	108 31	113 41	111 36	

Selection List on Cow Value

Heifers younger than 2 years

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	
								★★★★					
57	CS 260015 TINKERBELL	CS 210300	CS 140180	0.3	98 29	103 50	104 39	107 25	106 38	109 30	112 41	111 36	
58	CS 260024 ROSE	CS 200001	CS 240006	1.1	96 13	101 37	113 32	94 18	109 29	109 23	107 30	108 26	
59	CS 260026 VINE	XA 160036	CS 210060	0.4	107 42	100 54	132 37	96 22	93 38	103 30	108 42	106 36	
60	CS 260031 CS 260031	Q 210021	EX 160516	0.6	88 33	114 55	102 50	94 36	99 35	101 34	111 45	106 40	
61	CS 260041 MADONNA	Q 210021	CS 170293	1.6	84 32	110 51	117 47	85 28	103 35	104 31	104 42	104 36	
62	CS 260043 CS 260043	CS 200001	Q 230127	0.2	100 25	100 39	110 35	101 23	102 30	104 25	107 33	105 29	
63	CS 260045 CS 260045	Q 210021	CS 190128	0.7	86 32	113 52	84 48	90 36	119 35	108 33	105 44	106 38	
64	CS 260050 MAK	CS 200001	CS 230052	1.8	92 15	110 43	105 36	96 19	107 31	108 25	114 34	112 30	
65	CS 260056 AMMELIA	CS 210300	CS 150240	3.8	112 18	90 51	99 45	111 15	111 34	108 28	101 39	104 34	
66	CS 260057 RAKA	Q 210021	CS 170013	1.1	100 32	99 52	109 48	98 25	108 36	107 31	105 42	106 36	
67	CS 260058 ESCOURT	CS 170021	CS 230262	4.0	99 22	101 45	121 35	95 18	104 33	108 26	109 35	108 30	
68	CS 260062 MAGENTA	CS 200211	CS 220004	1.5	95 27	101 39	108 38	94 26	108 35	105 27	102 35	103 31	
69	CS 260067 ROXETTE	CS 170021	CS 240151	3.1	93 25	112 46	111 38	90 21	104 35	106 28	110 37	108 32	
70	CS 260072 FAIRY	CS 200001	CS 230074	2.9	101 17	96 43	104 36	107 19	101 31	102 25	102 34	102 30	
71	CS 260080 CS 260080	XA 160036	EX 200018	0.7	106 45	108 57	120 45	98 33	97 39	106 34	115 46	111 40	
72	CS 260087 CS 260087	Q 210021	CS 190152	1.2	91 31	105 49	99 42	89 24	107 35	100 29	96 40	97 34	
73	CS 260088 CS 260088	CS 180164	CS 240017	4.0	105 14	96 46	98 34	96 14	114 30	106 24	98 34	101 29	
74	CS 260094 PIENKIE	CS 180164	CS 240271	0.0	98 16	101 34	101 28	97 16	105 26	102 20	102 28	102 24	
75	CS 260104 RUSTY	Q 210021	EX 180258	1.8	83 34	111 55	124 49	75 36	106 36	105 34	96 45	100 40	
76	CS 260105 TINKERBELL	CS 200211	CS 220008	2.0	97 27	101 39	99 38	88 26	115 34	106 27	96 35	100 31	
77	CS 260110 VINE	CS 170021	CS 120029	11.1	96 23	107 50	101 48	107 16	98 37	103 30	112 40	108 35	
78	CS 260111 MAGENTA	CS 210300	CS 160270	3.6	101 17	97 47	140 42	95 15	97 33	108 27	110 37	109 32	
79	CS 260112 ROMELIA	CS 180164	CS 130105	3.2	93 24	112 48	101 45	92 19	106 37	105 29	110 40	108 34	
80	CS 260115 RALLIE	CS 200211	CS 220222	0.1	96 22	100 36	105 35	94 21	110 32	106 25	101 32	103 28	
81	CS 260118 LEB	CS 200211	LEB 200049	0.1	97 40	105 43	105 39	91 20	113 33	109 27	106 36	108 32	
82	CS 260120 RAKA	CS 170021	CS 120613	4.0	100 26	99 50	125 48	108 25	93 39	105 32	112 42	109 37	
83	CS 260122 CS 260122	CS 200001	CS 240001	1.5	100 16	98 34	112 31	97 17	110 30	109 22	106 29	107 26	
84	CS 260134 MAK	XA 160036	CS 200088	0.3	97 42	114 48	108 36	97 22	99 38	105 29	117 39	112 34	
85	CS 260137 LENA	CS 180164	CS 240090	2.7	105 22	90 41	111 34	95 17	110 32	105 25	95 33	99 29	
86	CS 260140 CS 260140	Q 210021	CS 170605	1.1	93 30	104 50	104 46	94 24	112 35	108 30	106 41	107 36	
87	CS 260145 RAKA	CS 200211	CS 210037	1.0	97 20	99 40	105 33	94 19	114 33	108 25	101 33	104 29	
88	CS 260148 ESCOURT	CS 170021	CS 240016	0.9	103 25	96 41	115 38	101 22	103 36	106 27	105 36	105 32	

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	
					★★★★								
89	CS 260150	EMPRESS	CS 180164 CS 110186	0.3	86 26	111 51	117 49	83 26	101 37	101 32	101 43	101 38	
90	CS 260164	ESCOURT	CS 170021 CS 240121	4.8	98 20	106 46	115 35	98 14	101 33	107 25	114 35	111 30	
91	CS 260167	MAGENTA	CS 180164 CS 090144	0.0	103 23	93 52	115 49	107 23	103 39	107 32	104 43	105 38	
92	CS 260301	CS 260301	CS 200001 CS 230320	5.1	102 7	90 35	123 34	102 10	98 29	102 21	99 29	100 25	
93	CS 260302	CS 260302	CS 200001 CS 230312	3.9	112 14	81 43	111 36	114 17	99 31	100 25	93 34	95 30	
94	CS 260305	CS 260305	CS 200001 CS 230346	0.7	98 21	98 36	103 34	94 21	110 33	104 25	99 32	101 28	
95	CS 260308	CS 260308	Q 210021 CS 240319	0.5	91 28	104 43	120 34	89 20	108 29	109 25	107 34	108 30	
96	CS 260310	CS 260310	Q 210021 CS 170373	0.3	82 29	113 51	110 47	84 23	104 35	103 30	105 41	104 36	
97	CS 260319	CS 260319	CS 180164 CS 240316	0.6	93 19	109 47	100 36	89 18	106 33	101 26	101 36	100 31	
98	CS 260322	CS 260322	Q 210021 CS 240322	0.6	73 29	132 51	105 37	79 22	103 31	105 27	115 38	111 32	
99	TX 250036	GIANDUIA	EX 220027 Q 170099	2.6	65 58	131 53	115 47	79 34	98 36	104 34	115 45	110 40	
					★★★★☆								
1	CS 250008	CS 250008	CS 160177 EX 160516	0.8	95 27	113 71	103 53	103 37	87 44	94 39	112 54	104 46	
2	CS 250034	CS 250034	CS 200093 EX 180258	6.9	98 22	97 66	129 46	85 32	95 35	95 34	91 48	92 41	
3	CS 250052	TINKERBELL	CS 200304 CS 160145	3.1	92 22	109 62	127 36	89 20	91 35	99 30	108 43	103 36	
4	CS 250053	MAGENTA	CS 200304 CS 090144	0.0	110 20	82 49	131 43	107 21	85 35	92 29	89 39	89 34	
5	CS 250070	DONNA MAK	CS 200093 CS 220299	6.5	95 6	102 39	128 29	92 5	92 30	99 21	104 29	101 25	
6	CS 250075	CS 250075	CS 200093 CS 190152	6.7	122 20	68 63	110 38	117 16	96 34	92 29	78 43	83 36	
7	CS 250078	CS 250078	CS 200304 CS 140037	2.7	103 26	91 64	117 43	97 24	96 36	95 32	93 46	93 39	
8	CS 250084	CS 250084	CS 200020 CS 120039	0.9	118 25	73 63	101 48	119 27	101 39	97 34	86 48	90 41	
9	CS 250099	ESCOURT	CS 200304 CS 100060	5.9	111 26	83 65	123 44	97 27	97 37	95 33	86 47	89 40	
10	CS 250104	RAKA	CS 200304 CS 100172	2.1	98 28	102 47	106 43	95 28	99 37	98 30	101 40	99 35	
11	CS 250121	ROXETTE	CS 200304 CS 180005	4.4	105 22	92 43	120 36	97 17	90 34	91 26	92 35	91 30	
12	CS 250137	TINKERBELL	CS 160211 CS 230001	1.9	103 27	95 45	106 35	92 23	101 37	95 28	90 37	92 32	
13	CS 250141	RAKA	CS 200093 CS 190112	1.7	105 20	89 42	126 35	99 20	91 34	94 26	93 35	93 30	
14	CS 250144	WENDY	EX 160001 CS 210276	0.0	125 35	77 49	80 45	119 31	108 36	96 31	84 42	89 36	
15	CS 250152	ESCOURT	CS 200304 CS 100105	3.3	100 26	96 49	121 42	94 24	97 37	98 30	97 40	97 35	
16	CS 250174	LEBOWA	CS 200304 CS 110608	0.0	99 10	94 41	130 39	92 13	88 24	93 22	94 31	93 26	
17	CS 250198	TINKERBELL	CS 200304 CS 150639	3.1	98 22	102 43	126 36	90 20	91 34	96 26	100 35	98 30	
18	CS 250304	CS 250304	CS 200093 CS 170373	1.1	101 19	93 64	117 44	100 18	93 35	94 31	96 45	94 38	

Selection List on Cow Value

Heifers younger than 2 years

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	
Sorted on ID													
19	CS 250308	CS 250308	EX 160001	CS 210332	0.8	108 36	93 71	95 48	106 32	97 41	93 37	92 52	92 44
20	CS 250311	CS 250311	CS 190043	CS 220360	0.0	111 14	83 58	98 34	117 14	98 25	96 25	91 38	93 32
21	CS 250313	CS 250313	EX 160001	CS 200313	2.5	117 38	63 70	95 52	122 38	106 44	95 39	77 54	85 46
22	CS 250315	CS 250315	CS 210300	CS 130321	0.0	100 21	99 43	105 35	105 19	90 32	92 25	99 35	95 30
23	CS 250316	CS 250316	CS 200093	CS 190329	3.0	90 21	104 64	119 42	93 24	95 35	98 32	104 45	101 38
24	CS 260003	MAK	EX 180022	CS 230038	0.3	100 33	104 50	113 37	106 25	91 35	99 29	109 40	104 34
25	CS 260006	AMY	EX 180022	CS 230651	0.6	102 27	97 40	119 32	101 24	93 31	99 25	103 34	101 30
26	CS 260017	RAKA	CS 200211	CS 220014	0.9	89 21	110 40	98 35	82 21	108 32	99 25	93 34	95 30
27	CS 260021	CS 260021	XA 160036	EX 180225	0.4	99 45	113 58	108 47	82 33	100 40	99 35	100 47	99 41
28	CS 260033	CS 260033	EX 220027	WT 140077	0.0	105 33	110 42	101 39	87 25	95 35	91 28	96 37	93 32
29	CS 260038	CS 260038	EX 220027	WT 170055	1.2	85 40	124 45	111 41	80 26	94 33	97 29	107 38	102 34
30	CS 260081	CS 260081	CS 210300	CS 140076	0.3	114 22	85 51	110 45	118 20	87 36	92 30	95 41	93 36
31	CS 260099	RAKA	CS 200001	CS 240007	1.8	94 13	107 37	102 33	97 16	96 30	96 23	105 30	101 26
32	CS 260121	CS 260121	CS 170021	CS 120039	3.3	102 28	102 50	100 49	108 26	90 39	93 32	102 43	97 38
33	CS 260133	ESCOURT	CS 170021	CS 120629	3.0	104 28	103 47	85 46	111 22	97 38	96 30	103 40	99 35
34	CS 260304	CS 260304	CS 200211	CS 220354	2.0	93 25	106 41	109 34	84 21	104 33	99 26	95 34	97 30
35	CS 260309	CS 260309	Q 210021	CS 140319	0.4	81 32	109 53	115 45	85 24	91 36	91 31	96 42	93 36
1	CS 250305	CS 250305	CS 200093	CS 160327	1.0	91 22	95 64	129 45	92 17	81 36	85 31	90 45	86 38
2	CS 250306	CS 250306	CS 200093	CS 190330	1.0	97 17	99 63	110 41	95 22	82 30	82 29	91 43	86 36
3	CS 250309	CS 250309	CS 200093	CS 140319	1.9	104 23	84 65	123 42	103 18	80 37	82 31	83 46	82 38
4	CS 260314	CS 260314	Q 210021	CS 190330	0.2	84 28	111 49	106 45	83 26	93 30	89 29	93 39	90 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.

