

NGUNI

BREEDING VALUE REPORT

September 2026



LIVESTOCK CENTRE NWDA

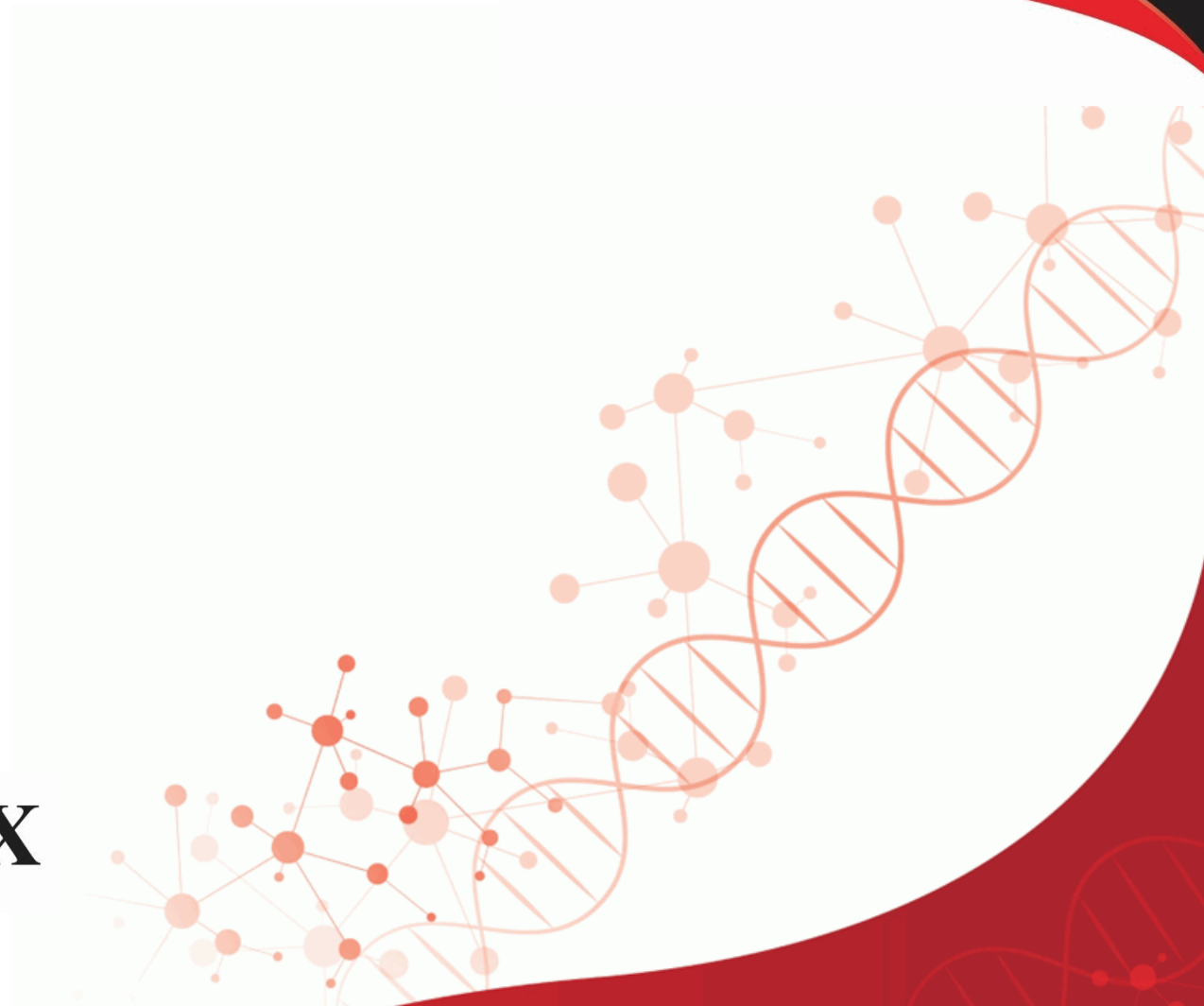
Herd Number: 508640

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NGUNI Cattle Breeders' Society
Beestelersgenootskap



LOGIX



EBVs, EBVi's and GEBVs

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

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

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

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

Selection Values

LOGIX Cow Value



Selecting for:

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

LOGIX Growth Value



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

LOGIX Production Value



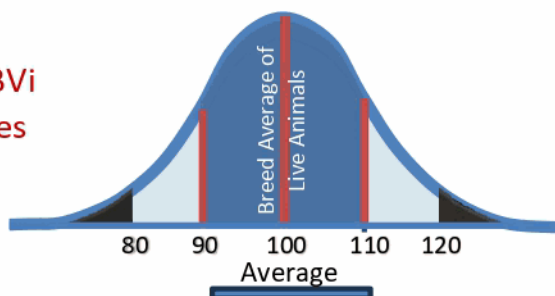
80% LOGIX Cow Value +
20% LOGIX Growth Value

LOGIX Carcass Value

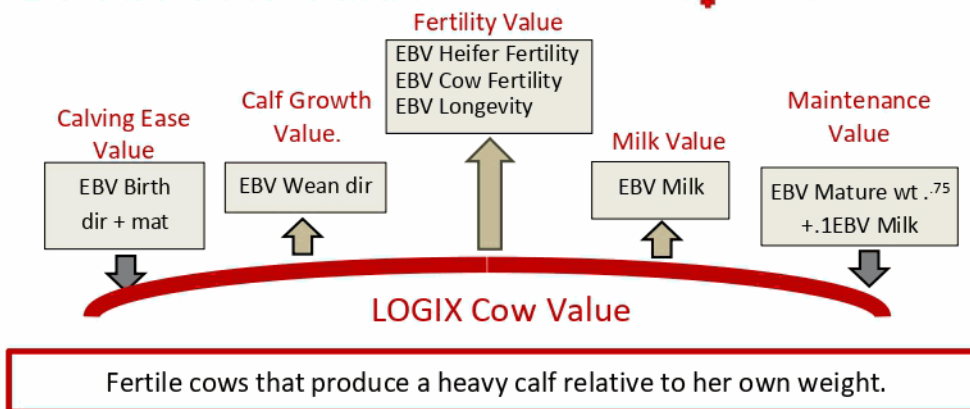


Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

Interpretation of EBVi and Selection Values



LOGIX Cow Value



How to use the Cow Value

Selection values should be compatible with your selection goal.

AVERAGE ANIMALS

(NO GROWTH EXTREMES)

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

GROWERS

(GOOD ENVIRONMENT)

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

LOW- MAINTENANCE ANIMALS

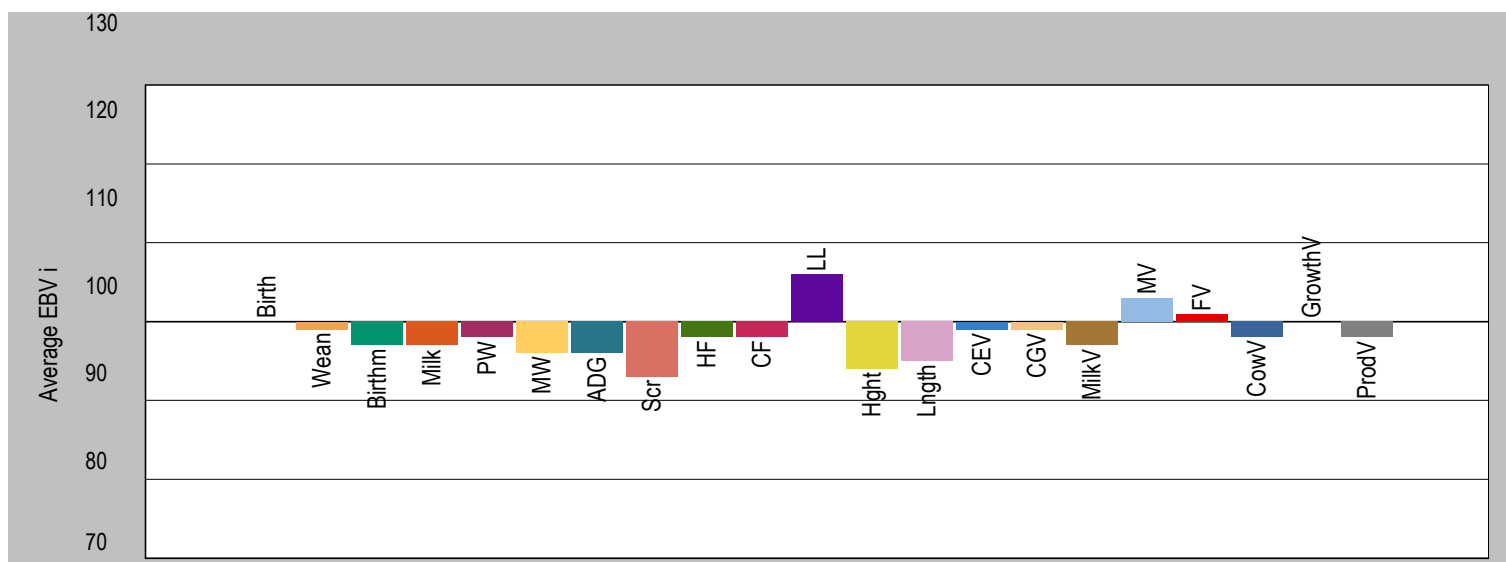
(HARSH ENVIRONMENT)

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

Examples

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

Herd and Breed Averages



Breeding Values:

Birth:	Birth weight	Scr:	Scrotal circumf.
Wean:	Weaning weight	HF:	Heifer Fertility
Birthm:	Birth maternal	CF:	Cow Fertility
Milk:	Milk	LL:	Longevity
PW:	Post-wean weight	Hght:	Height
MW:	Mature weight	Lngth:	Length
ADG:	Average Daily Gain		

Selection Values:

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

	Trait	EBV Herd	EBVIndex	EBV Breed
Prewean Growth	Birth Weight	0.11	100	0.12
	Wean Weight	2.3	99	2.6
	Birth Mat.	0.13	97	0.05
	Milk (Wn.Mat.)	0.2	97	1.0
Postwean Growth	Postwean Wt	2.6	98	3.7
	Mature Weight	2	96	5
	ADG	3	96	12
Fertility	Scrotal Circumf.	1.2	93	3.8
	Heifer Fertility	-4.7	98	-6.2
	Cow Fertility	-2.4	98	-2.9
	Longevity	26.3	106	23.2
Frame	Height	-1	94	2
	Length	1	95	5

Selection Value	Ave. Herd
Calving Ease	99
Calf Growth	99
Milk	97
Maintenance	103
Fertility	101
Cow Value	98
Growth Value	100
Production Value	98

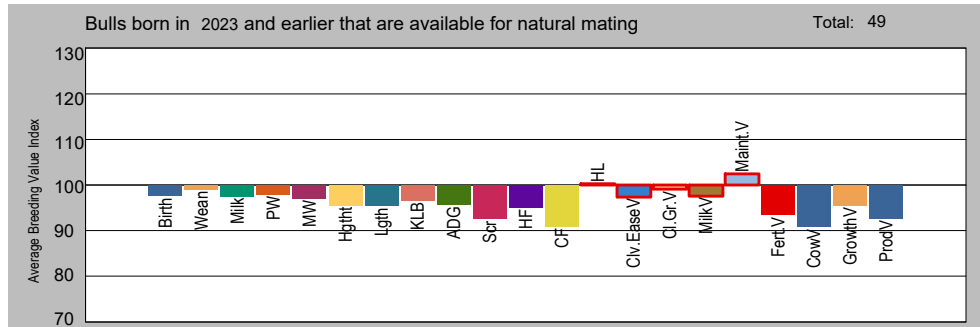
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

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

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

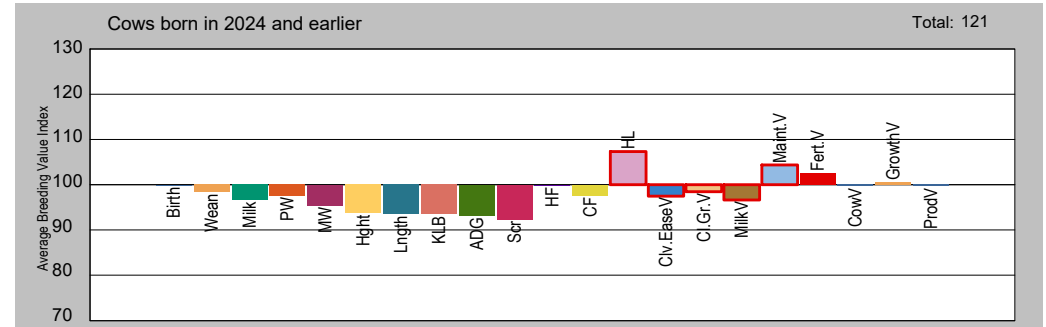
Genetic Windows

Bulls on the farm



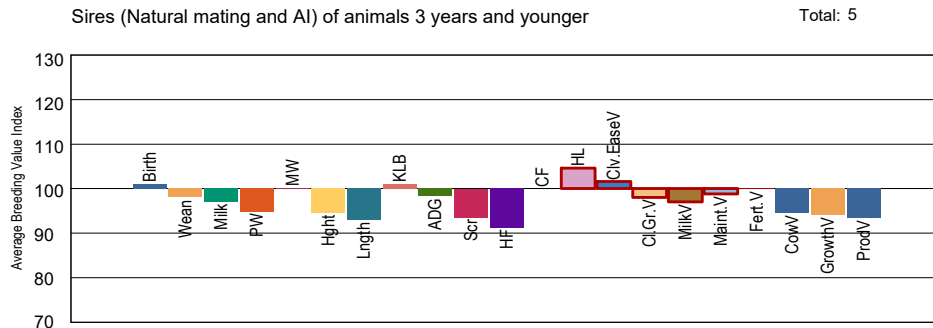
Animals available for breeding

Cow Herd

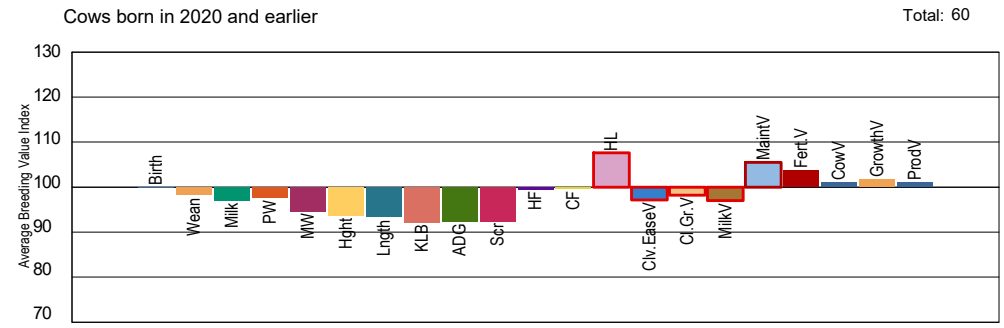


Results of previous selection decisions

Sires of young animals

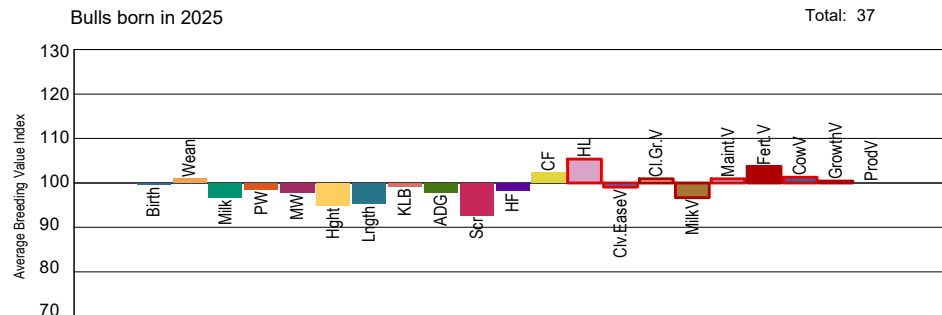


Cows older than 6 years

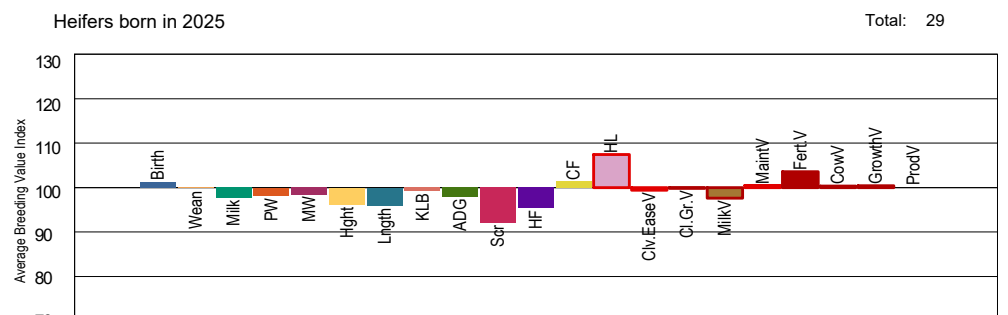


Selection possibilities

Bull calves



Heifer calves

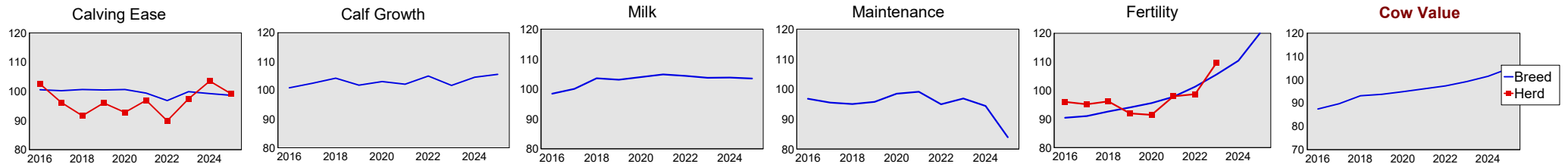


Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				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	100	100	100	99	99	99	99	100	100	99	99	
2010	1	★★★★★	124	80	86	112	129	117	94	104	128	80	127	86	81	91	86	87	87	103	138	110	83	86	
2011	2	★★★★	108	88	103	114	96	97	96	96	117	88	85	103	88	88	81	79	94	110	94	93	91	85	
2012	2	★★★★☆	103	93	94	112	106	104	100	102	102	93	100	94	90	90	83	81	95	101	112	98	89	88	
2014	1	★★★★★	118	89	104	115	134	134	117	126	123	89	72	104	91	87	78	76	95	115	136	115	85	81	
2015	4	★★★★	98	105	86	109	99	97	105	101	100	105	91	86	103	93	94	96	86	95	92	109	95	93	
2016	6	★★★★☆	106	105	107	95	103	102	105	101	111	105	81	107	105	104	105	105	98	96	101	107	106	103	
2017	9	★★★★★	89	105	99	100	113	110	110	110	93	105	95	99	103	99	100	100	97	106	112	107	96	99	
2018	15	★★★★☆	86	100	95	107	103	101	104	102	86	100	104	95	98	93	89	89	90	95	104	105	91	91	
2019	7	★★★★	109	92	95	107	98	94	92	92	115	92	102	95	92	94	94	93	93	95	87	115	94	95	
2020	15	★★★★	98	97	100	106	100	97	99	97	101	97	94	100	97	94	90	90	91	102	90	110	93	92	
2021	16	★★★★☆	95	98	96	103	106	101	101	101	96	98	101	96	98	97	93	94	92	109	95	111	94	94	
2022	15	★★★★	92	99	101	106	95	96	100	97	96	99	98	101	99	94	91	91	90	99	90	103	95	93	
2023	12	★★★★☆	102	98	94	102	105	100	99	99	103	98	98	94	95	97	94	95	94	96	103	108	92	93	
2024	23	★★★★	102	99	95	103	101	97	99	97	103	99	95	95	97	97	97	98	93	96	97	107	94	94	
2025	29	★★★★☆	99	100	98	100	104	100	100	100	101	100	95	98	98	98	98	99	92	95	101	107	96	96	
Cows in Herd Average:			102	97	97	106	106	103	101	102	105	97	96	97	96	94	92	92	92	92	101	103	107	93	92

Genetic Trends for On-Farm Traits

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



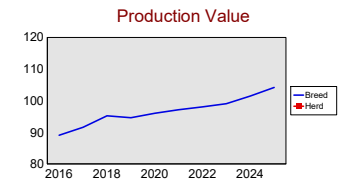
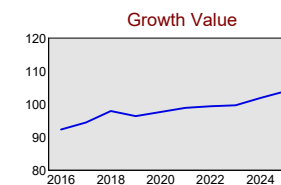
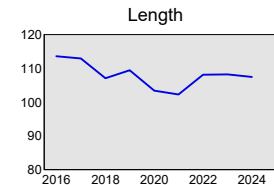
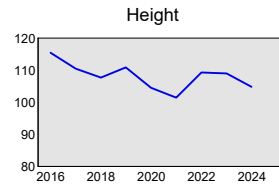
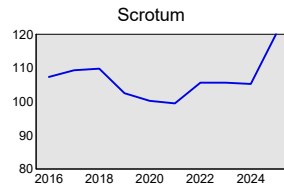
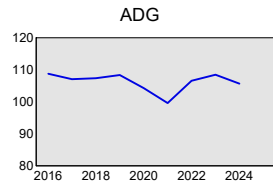
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility						Cow Value
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	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	63	-0.18	0.25	102												12	-1.8	10	-1.6	61	15.3	96	
2017	72	0.20	0.21	96												22	-3.8	17	-2.2	71	18.1	95	
2018	77	0.55	0.04	92												20	-0.5	20	-1.8	77	18.0	96	
2019	80	0.29	0.07	96												12	-3.6	12	2.0	77	17.9	92	
2020	77	0.33	0.14	93												23	-2.6	15	-1.4	70	18.5	91	
2021	90	0.15	0.11	97												36	-7.2	9	-2.8	69	21.0	98	
2022	92	0.58	0.05	90												12	-6.6			3	21.0	99	
2023	96	0.24	0.06	97												4	1.0					110	
2024	79	-0.05	0.09	103																			
2025	66	0.11	0.17	99																			

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility						Cow Value
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Mainte-nance	Heifer Fert.		Cow Fert.		Longevity		Ferti-lity		
	Number	Dir EBV			Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	
2016	2062	0.06	-0.03	101	1340	2.9	101	1339	0.64	98	355	6.3	223	5	97	1339	-2.4	868	-1.9	10845	12.2	90	87
2017	1692	0.05	0.03	100	1223	3.5	102	1223	1.02	100	536	7.3	266	7	95	1431	-2.1	859	-1.9	8766	13.2	91	90
2018	1623	0.00	0.02	101	961	4.1	104	961	1.83	104	525	6.9	260	8	95	1317	-2.9	764	-2.0	7360	13.8	93	93
2019	1476	0.03	0.01	100	1204	3.3	102	1202	1.73	103	501	6.3	314	7	96	1273	-3.5	775	-2.6	6887	14.6	94	94
2020	1577	0.05	0.01	101	1147	3.7	103	1147	1.93	104	561	5.4	352	6	98	1269	-4.3	672	-2.5	6779	15.4	96	95
2021	1538	0.08	0.06	99	1397	3.4	102	1397	2.14	105	770	4.9	292	5	99	1218	-5.0	585	-2.9	6379	16.8	98	96
2022	1327	0.25	0.06	97	1681	4.4	105	1681	2.02	104	780	6.7	261	10	95	962	-4.7	240	-4.2	2616	17.4	101	97
2023	1221	0.08	0.12	100	1478	3.2	102	1478	1.87	104	509	6.2	62	12	97	379	-5.9	45	-5.3			106	99
2024	1380	0.08	0.12	99	1392	4.2	105	1392	1.90	104	510	7.3	1	-6	94	128	-6.5					110	102
2025	1033	0.14	0.10	99	1054	4.6	106	1052	1.82	103	173	12.0			84	7	-42.1					133	105
2026	191	0.05	0.02	102	23	7.6	114	23	3.11	109													109

Genetic Trends for Growth Test Traits



Herd

Birth Year	Growth						Frame						Selection Values	
	ADG			Scrotal Circumf.			Height			Length			Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		
2016														
2017														
2018														
2019														
2020														
2021														
2022														
2023														
2024														
2025														

Breed

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

Sires

Bull			Selection Values								Calf		Dam		Growth			Fertility				Frame		Measured Progeny				
ID	Index EBV Acc	Sire ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Long- evity	Height	Length	Birth wt	Wean wt	Dgt/Calvs.	Grwth Test	
																												Dam ID
AZ 130022		GMD 080439 AZ 100001	72	109	106	103	110	113	118	116	77	109	84	106	109	96	89	95	115	118	91	91	90					
13.22 F			92	69	57	41	69	50	63	56	1.28	5.6	0.51	2.4	8.5	1	-12	1.9	-18.3	-7.1	18.3	-3	-2	104				
											94	69	82	57	38	41	22	28	79	48	80	26	25					
CS 030092		FF 970027 CS 000098	122	91	108	111	97	101	99	100	118	91	111	108	95	91	86	85	88	114	86	93	94		64	20		
CS 03 92			91	75	53	41	73	51	66	58	-0.78	-0.4	-0.25	2.9	1.0	-4	-18	-2.0	3.8	-6.2	15.5	-1	0					
											92	75	84	53	52	41	26	29	77	57	85	30	29					
CS 120079		CS 060045 CS 070031	72	118	100	98	108	111	122	117	77	118	81	100	119	100	111	115	101	132	79	97	108		79			
CS120079			90	74	61	46	69	52	67	60	1.27	9.0	0.59	1.0	13.4	5	35	9.6	-7.1	-10.4	12.0	0	11					
											92	74	79	61	38	46	19	23	73	54	81	23	22					
FB 070031		HAS 910128 FB 010010	69	120	86	109	61	68	103	85	73	120	82	86	119	93	93	72	83	56	85	79	85		107			
AFRIKA			92	54	54	43	74	49	59	54	1.44	9.7	0.57	-2.2	13.0	-2	-3	-6.8	8.1	7.4	15.1	-8	-7					
											94	54	84	54	47	43	30	33	79	57	86	34	33					
FF 070104		FF 040055 FF 020015	117	82	104	118	94	95	93	93	125	82	73	104	81	83	71	104	115	98	82	87	77		75			
VUNDIZA FF07 104			92	76	63	53	72	54	70	62	-1.14	-3.6	0.81	1.8	-5.6	-11	-52	5.4	-18.8	-2.4	13.3	-4	-12					
											93	76	84	63	56	53	59	69	79	52	85	71	67					
FF 070206		FF 030005 FF 050154	95	109	95	112	65	73	99	86	97	109	90	95	114	90	109	116	80	79	69	150	131		38			
OMITARA FF07 206			86	74	56	41	64	49	64	56	0.27	5.9	0.34	-0.1	10.7	-4	31	10.1	10.1	2.1	6.6	27	29					
											90	74	65	56	43	41	59	69	70	43	80	71	67					
GA 110105		MVN 040017 MVN 080135	109	107	99	89	107	102	101	101	114	107	72	99	109	110	113	100	119	100	103	81	93		25	11		
GA110105			79	82	63	50	61	51	68	60	-0.58	5.1	0.84	0.8	8.4	14	40	4.0	-21.7	-2.8	24.8	-7	0					
											83	82	57	63	58	50	59	69	69	39	74	71	67					
GA 120155		MVN 060093 MVN 040113	88	116	115	87	71	76	96	86	95	116	67	115	116	112	117	90	64	85	82	108	111			4	7	
GA120155			65	75	68	46	72	53	68	60	0.39	8.1	0.98	4.5	11.8	16	49	0.0	23.7	0.7	13.6	6	13					
											67	75	57	68	48	46	34	39	82	48	86	40	38					
JSA 140064		DPN 070116 JSA 080029	75	106	105	90	96	92	96	93	74	106	108	105	104	108			90	99	98			70				
1464			84	22	23	15	55	28	31	30	1.40	4.8	-0.19	2.1	5.7	12			1.8	-2.7	22.0							
											91	22	48	23	17	15			67	28	69							
LEB 110375		LEB 070372 LEB 000513	95	107	92	97	104	99	103	100	96	107	96	92	100	102	101	111	105	107	96	91	95					
LEB 110375			59	53	44	22	72	42	52	47	0.32	5.0	0.16	-0.9	3.7	6	15	8.0	-10.4	-4.5	21.0	-3	1					
											62	53	44	44	40	22	42	48	80	48	88	49	47					
MVN 100096		MVN 050093 MVN 060162	112	113	118	84	92	97	103	100	118	113	58	118	116	116	122	103	97	89	99	108	108		32			
MVN100096			87	73	59	41	62	48	64	56	-0.77	7.3	1.24	5.2	11.7	19	61	4.9	-3.7	-0.4	22.8	6	11					
											89	73	78	59	48	41	59	69	66	44	77	71	67					

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	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
SW 110225		SW 050066 SW 990701	87	96	94	93	95	84	83	82	88	96	98	94	96	105	89	87	99	96	96	96	91				
SW 110225			83	41	41	32	58	38	45	42	0.74	1.2	0.10	-0.3	1.5	10	-12	-1.1	-5.4	-2.0	21.0	0	-1	36			
			83	41	41	32	58	38	45	42	86	41	66	41	30	32	17	19	60	39	74	20	19				
SW 160384		SW 100012 SW 110384	114	74	125	111	113	114	94	103	114	74	97	125	76	90	91	98	118	108	106	93	83				
SW16-384			51	56	50	37	62	43	53	48	-0.56	-6.7	0.13	6.8	-8.1	-4	-8	3.2	-21.0	-4.7	26.5	-2	-8			1	1
			51	56	50	37	62	43	53	48	53	56	41	50	44	37	34	37	76	35	74	39	38				
T 090008		T 050700 T 980749	75	89	108	123	55	64	87	75	76	89	100	108	90	77			76	57	78						
T 090008			92	84	39	23	79	49	67	58	1.31	-1.4	0.05	2.8	-1.4	-17			13.8	7.1	11.1			172	23		
			92	84	39	23	79	49	67	58	94	84	84	39	11	23			88	57	92						
UCP 180021		LEB 110375 UCP 090053	117	95	83	104	93	84	86	84	115	95	105	83	89	96	95	98	88	92	103	90	90				
0021			75	36	31	19	49	30	37	34	-0.63	0.7	-0.10	-3.1	-2.0	1	2	3.0	3.8	-0.9	25.0	-3	-2	41			
			75	36	31	19	49	30	37	34	83	36	35	31	28	19	24	27	52	34	62	28	27				
UCP 180057		LEB 110375 UCP 080005	104	99	89	102	104	98	99	98	102	99	104	89	94	96	98	96	103	100	107	93	93				
0057			78	34	29	18	51	30	37	34	0.01	2.4	-0.07	-1.6	0.5	2	7	2.1	-8.6	-2.8	26.7	-2	-1	98			
			78	34	29	18	51	30	37	34	87	34	35	29	27	18	23	27	55	34	64	28	26				
UCP 190067		GA 120155 UCP 090008	98	107	104	91	102	100	101	100	101	107	84	104	105	107	110	87	79	111	104	102	103				
0067			78	47	42	29	51	36	45	40	0.08	5.0	0.51	1.9	6.5	11	34	-1.1	11.4	-5.4	25.3	3	8	68			
			78	47	42	29	51	36	45	40	85	47	45	42	34	29	22	25	56	34	62	25	24				
UCP 200086		SW 160384 UCP 060054	114	83	104	107	104	99	88	92	113	83	98	104	82	94	90	93	96	98	111	93	86				
0086			59	37	34	25	45	30	37	34	-0.54	-3.4	0.10	2.0	-5.2	-1	-10	1.0	-2.9	-2.5	29.2	-2	-5	5			
			59	37	34	25	45	30	37	34	64	37	34	34	28	25	21	23	51	30	53	24	23				
VEN 110002		VEN 080100 VEN 080020	115	81	99	107	64	59	66	60	133	81	103	99	83	94			93	35	98						
VEN 110002 - MAGWAZA			91	29	32	10	72	35	40	38	-1.51	-4.2	-0.03	0.8	-4.6	-1			-0.2	12.4	22.2			79		1	1
			91	29	32	10	72	35	40	38	93	29	81	32	8	10			81	48	86						

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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																								
PLS 170013 86673233 PLS17013		CS 120079 PLS 090047	80 73	114 50	100 37	91 25	102 45	100 33	107 44	103 38	85 0.89 76	81 0.59 57	108 12 25	114 7.6 50	100 0.9 37	107 33 37	115 11.1 28	111 36 12	105 5.6 14	101 -7.3 48	115 -6.3 34	86 15.5 53	103 4 15	110 13 14
UCP 180014 87415287 0014		LEB 110375 UCP 040049	107 40	98 36	86 31	102 20	86 49	79 30	86 36	82 33	106 -0.17 41	102 0.00 34	97 2 20	98 1.9 36	86 -2.3 31	87 -10 29	92 -0.1 27	94 0 25	103 5.0 28	93 0.0 54	85 0.7 34	94 20.2 58	91 -2 28	89 -3 27
UCP 180021 87415329 0021		LEB 110375 UCP 090053	117 75	95 36	83 31	104 19	93 49	84 30	86 37	84 34	115 -0.63 83	105 -0.10 35	96 1 19	95 0.7 36	83 -3.1 31	82 -22 29	89 -2.0 28	95 2 24	98 3.0 27	88 3.8 52	92 -0.9 34	103 25.0 62	90 -3 28	90 -2 27
UCP 180057 87916086 0057		LEB 110375 UCP 080005	104 78	99 34	89 29	102 18	104 51	98 30	99 37	98 34	102 0.01 87	104 -0.07 35	96 2 18	99 2.4 34	89 -1.6 29	91 -1 27	94 0.5 27	98 7 23	96 2.1 27	103 -8.6 55	100 -2.8 34	107 26.7 64	93 -2 28	93 -1 26
PLS 190061 89832281 PLS19061		T 090008 PLS 100059	81 73	94 49	103 27	116 17	92 50	95 32	101 42	98 37	78 1.19 76	115 -0.37 60	85 -9 17	94 0.5 49	103 1.7 27	105 28 31	91 -0.9 19	81 -30 9	84 -2.4 10	86 5.3 54	96 -2.0 37	97 21.6 58	90 -3 10	88 -4 10
PLS 190079 89832448 PLS19079		CS 120079 PLS 130082	86 72	111 41	96 35	102 24	98 44	99 31	111 39	105 35	90 0.64 75	84 0.50 54	97 2 24	111 6.5 41	96 0.0 35	106 32 33	113 10.2 24	103 17 6	96 2.4 10	100 -6.2 47	103 -3.7 33	92 18.9 51	91 -2 11	98 4 10
UCP 190067 89492508 0067		GA 120155 UCP 090008	98 78	107 47	104 42	91 29	102 51	100 36	101 45	100 40	101 0.08 85	84 0.51 45	107 11 29	107 5.0 47	104 1.9 42	105 29 39	105 6.5 34	110 34 22	87 -1.1 25	79 11.4 56	111 -5.4 34	104 25.3 62	102 3 25	103 8 24
PLS 200001 92027028 20 001		AZ 130022 PLS 170089	65 70	113 42	109 32	108 22	93 43	102 30	118 38	111 34	54 2.41 74	94 0.23 51	93 -2 22	113 7.1 42	109 3.1 32	122 66 32	111 9.4 20	89 -12 11	91 0.3 14	105 -10.6 49	93 -1.3 29	90 18.0 50	95 -1 13	93 0 12
PLS 200075 93024503 20 075		VEN 110002 PLS 070028	122 73	91 31	92 30	104 16	70 47	65 28	75 34	69 31	122 -0.96 76	94 0.23 59	95 0 16	91 -0.6 31	92 -0.8 30	87 -9 26	89 -1.9 24	93 -4 13	94 1.4 14	81 9.5 52	64 5.6 33	95 20.3 55	98 1 14	96 2 14
UCP 200086 91094821 0086		SW 160384 UCP 060054	114 59	83 37	104 34	107 25	104 45	99 30	88 37	92 34	113 -0.54 64	98 0.10 34	94 -1 25	83 -3.4 37	104 2.0 34	92 0 32	82 -5.2 28	90 -10 21	93 1.0 23	96 -2.9 51	98 -2.5 30	111 29.2 53	93 -2 24	86 -5 23
PLS 210017 93016541 PLS 210017		AZ 130022 PLS 180026	89 71	96 42	103 31	111 23	105 43	106 30	105 39	106 34	88 0.71 74	103 -0.03 54	91 -4 23	96 1.3 42	103 1.7 31	103 26 32	95 1.5 22	85 -21 12	89 -0.3 15	100 -6.2 49	110 -5.1 31	99 22.5 50	90 -3 14	89 -3 13
PLS 210033 96946421 PLS 210033		GA 110105 PLS 100055	98 70	110 48	90 38	90 27	107 41	99 32	101 42	100 37	99 0.15 74	92 0.29 50	109 13 27	110 6.2 48	90 -1.4 38	95 7 38	108 7.6 34	110 34 30	99 3.5 36	112 -16.0 46	108 -4.7 28	98 21.9 50	94 -1 37	102 6 35

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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
	PLS 210041 92779032 PLS 210041		VEN 110002 PLS 170041	90 72	97 24	100 23	107 13	88 44	88 25	95 29	91 27	88 0.69 75	106 -0.11 55	94 -1 13	97 1.7 24	100 1.0 23	100 19 20	97 2.4 12	90 -10 6	91 0.3 8	103 -8.5 49	73 3.4 30	106 26.2 52	96 0 8	95 2 7
	PLS 210048 92779065 PLS 210048		VEN 110002 PLS 170018	108 72	84 26	100 23	99 14	81 44	72 25	73 30	71 28	140 -1.85 75	102 0.00 55	99 4 14	84 -3.2 26	100 1.0 23	86 -11 21	86 -3.1 16	100 12 15	91 0.3 18	99 -5.4 49	63 5.7 30	106 26.2 52	101 3 18	100 5 17
	PLS 210059 96946439 PLS 210059		GA 110105 PLS 080043	101 70	107 47	82 37	95 26	91 42	83 32	91 41	86 36	102 0.04 74	93 0.24 51	103 8 26	107 5.0 47	82 -3.2 37	88 -7 37	104 6.0 33	102 17 30	97 2.5 35	82 8.6 47	101 -3.0 28	93 19.4 50	86 -5 36	93 0 34
	PLS 210076 93019230 PLS 210076		JSA 140064 PLS 090047	82 71	108 35	102 23	87 13	95 40	90 25	94 32	91 28	83 0.95 76	95 0.20 48	112 16 13	108 5.6 35	102 1.5 23	102 23 24	107 7.2 23	104 21 7	93 1.3 9	96 -2.8 47	98 -2.5 25	95 20.6 48	106 5 10	106 10 9
	PLS 210086 96946488 PLS 210086		GA 110105 PLS 140081	105 70	100 45	97 37	99 28	98 41	94 32	97 41	95 36	107 -0.23 74	85 0.47 47	99 4 28	100 2.6 45	97 0.4 37	97 13 37	104 5.8 32	99 10 31	92 0.6 36	105 -10.5 45	92 -1.0 28	102 24.2 49	83 -7 36	90 -2 35
	PLS 210093 93019347 PLS 210093		VEN 110002 PLS 160029	107 72	99 26	100 24	97 12	82 43	78 25	87 29	82 27	107 -0.20 75	97 0.14 54	101 6 12	99 2.2 26	100 1.1 24	98 14 21	98 2.9 14	99 10 14	93 1.3 17	98 -4.5 48	68 4.7 29	102 24.4 52	101 2 18	99 4 17
	PLS 210098 96946561 PLS 210098		VEN 110002 PLS 160008	110 71	94 26	93 24	110 15	60 44	60 25	78 30	68 28	107 -0.25 75	106 -0.12 52	92 -3 15	94 0.5 26	93 -0.7 24	92 1 22	94 0.7 15	95 1 15	95 1.8 18	84 7.3 49	47 9.5 31	93 19.5 52	112 8 18	103 8 17
	PLS 210102 93019446 PLS 210102		VEN 110002 PLS 170050	100 72	97 24	97 23	107 13	82 43	81 24	90 29	85 26	98 0.20 75	104 -0.07 54	94 -1 13	97 1.5 24	97 0.4 23	97 13 20	97 2.1 12		89 -0.6 7	99 -5.7 49	64 5.4 29	105 25.9 52	96 0 6	95 1 6
	PLS 210107 93019438 PLS 210107		VEN 110002 PLS 160069	121 72	93 27	103 25	96 15	85 44	81 26	84 31	81 28	121 -0.92 75	92 0.28 55	101 6 15	93 0.2 27	103 1.6 25	95 8 22	93 0.3 18	101 14 16	95 2.0 19	95 -2.2 49	69 4.3 30	108 27.6 52	102 3 19	101 6 18
	PLS 220023 94616737 PLS 220023		AZ 130022 PLS 100059	95 73	98 43	102 34	104 24	120 46	118 32	111 40	114 36	94 0.43 76	103 -0.05 59	95 0 24	98 2.1 43	102 1.5 34	103 24 34	97 2.1 26	90 -11 14	94 1.3 17	105 -10.8 51	127 -9.1 33	104 25.2 53	93 -1 16	93 0 15
	PLS 220026 96946520 PLS 220026		T 090008 PLS 130020	93 72	90 45	93 24	116 15	79 46	77 29	85 38	80 34	90 0.64 75	114 -0.34 56	86 -8 15	90 -1.0 45	93 -0.7 24	91 -1 28	87 -3.0 13	82 -28 7	84 -2.3 7	87 4.8 51	82 1.2 33	87 16.4 55	90 -3 7	88 -4 7
	PLS 220028 94617297 PLS 220028		JSA 140064 PLS 170070	93 68	101 22	97 19	96 11	83 38	79 22	88 25	83 24	92 0.52 74	106 -0.11 41	102 6 11	101 2.9 22	97 0.4 19	97 12 17	96 1.8 18		90 0.0 6	92 0.6 45	76 2.8 23	100 23.3 46	98 1 6	96 2 5

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ID Number Name																										
PLS 220029 94616760 PLS 220029		VEN 110002 PLS 180017	104 70	95 25	103 23	103 13	90 43	89 25	94 29	90 27	103 -0.04 74	102 -0.01 53	96 1 13	95 0.8 25	103 1.6 23	100 18 20	96 1.7 12	95 0 6	92 0.7 7	117 -20.1 49	72 3.6 29	103 24.6 52	100 2 7	99 4 7		
PLS 220039 94617313 PLS 220039		T 090008 PLS 100071	100 73	86 49	97 28	118 16	92 49	91 31	92 42	91 36	97 0.28 76	115 -0.37 60	84 -10 16	86 -2.2 49	97 0.3 28	93 3 31	87 -2.8 21	79 -34 7	81 -3.4 9	89 2.6 54	98 -2.3 36	94 19.8 58	83 -6 9	83 -8 9		
PLS 220040 96946538 PLS 220040		T 090008 PLS 130082	80 72	99 46	99 26	117 15	71 48	77 30	97 39	87 34	81 1.06 75	96 0.17 56	85 -9 15	99 2.4 46	99 0.9 26	106 32 29	100 3.9 16			87 4.2 53	66 5.1 34	91 18.4 56				
PLS 220041 94616851 PLS 220041		T 090008 PLS 150109	93 73	94 47	98 26	119 17	77 48	81 31	95 40	88 36	95 0.36 76	87 0.41 58	82 -11 17	94 0.4 47	98 0.6 26	102 22 30	96 1.5 20	78 -36 9	74 -6.0 10	89 2.7 53	75 2.9 35	90 17.6 56	80 -8 11	80 -10 10		
PLS 220048 94616901 PLS 220048		VEN 110002 PLS 190058	100 71	97 25	95 24	105 14	83 43	80 25	89 29	83 27	98 0.22 75	107 -0.16 53	95 0 14	97 1.5 25	95 -0.2 24	95 6 21	95 1.4 13	96 4 7	95 2.1 8	93 -0.7 48	71 3.8 30	103 24.8 51	97 0 8	99 4 8		
PLS 220051 96946595 PLS 220051		JSA 140064 PLS 170022	86 68	109 24	102 21	90 14	90 37	87 22	95 27	91 24	87 0.78 74	96 0.16 40	108 13 14	109 5.8 24	102 1.4 21	104 26 20	107 7.1 16	105 22 14	94 1.5 17	93 -0.6 44	88 -0.2 22	98 22.0 45	104 4 18	103 7 17		
PLS 220057 94616943 PLS 220057		JSA 140064 PLS 180025	82 69	106 23	100 21	96 15	104 38	101 23	105 27	103 25	83 0.96 74	98 0.12 43	102 7 15	106 4.9 23	100 1.1 21	104 27 20	105 6.2 15		96 2.4 6	95 -2.3 45	104 -3.9 25	105 25.8 45	97 0 7	99 4 6		
PLS 220086 94617131 PLS 220086		JSA 140064 PLS 180034	67 69	109 29	105 19	104 11	94 39	98 23	110 29	104 26	58 2.18 74	103 -0.03 45	95 0 11	109 5.9 29	105 2.1 19	114 48 20	108 7.8 17			90 1.7 46	96 -2.0 25	98 22.2 47				
PLS 220093 94617180 PLS 220093		AZ 130022 PLS 150078	67 73	116 39	97 33	102 23	102 44	104 30	118 38	112 34	71 1.57 76	86 0.45 57	97 2 23	116 8.4 39	97 0.3 33	112 45 32	115 11.1 24	94 -1 14	92 0.6 17	99 -5.7 50	105 -4.0 31	98 21.9 51	93 -1 16	92 -1 15		
PLS 220098 94829298 PLS 220098	1	AZ 130022 PLS 160051	101 72	99 40	101 32	107 23	105 42	106 30	106 38	106 34	102 0.01 75	91 0.31 56	94 -1 23	99 2.3 40	101 1.2 32	102 23 32	101 4.4 22	95 0 18	100 3.7 22	103 -8.6 47	112 -5.6 29	95 20.6 50	110 7 22	102 7 20		
PLS 220105 94829348 PLS 220105		JSA 140064 PLS 180026	98 69	92 27	102 18	102 12	98 39	93 23	91 28	91 26	94 0.40 74	113 -0.33 44	97 2 12	92 -0.1 27	102 1.5 18	96 10 19	91 -0.9 12			88 3.9 45	100 -2.9 25	102 24.4 47				
PLS 230014 96838677 PLS 230014		UCP 190067 PLS 200010	78 67	114 32	106 27	95 19	111 35	112 25	118 31	116 28	85 0.88 72	71 0.88 41	102 7 19	114 7.4 32	106 2.3 27	114 49 26	114 10.9 21	102 16 12	91 0.4 14	93 -0.3 40	116 -6.7 24	106 26.2 41	96 0 14	98 4 13		

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ID Number Name																									
PLS 230019 96838719 PLS 230019		UCP 190067 PLS 200053	116 68	93 27	100 24	100 16	97 36	92 23	91 28	91 26	116 -0.66 73	96 0.17 41	98 3	93 0.1	100 1.1	95 7	92 -0.2 20	97 5 13	90 -0.2 15	91 0.9 41	92 -1.0 25	108 27.4 42	98 1	97 2 15	
PLS 230022 96838727 PLS 230022		JSA 140064 PLS 100054	118 71	90 27	98 25	90 16	98 40	86 25	77 30	79 28	113 -0.52 75	118 -0.47 49	108 13	90 -0.9	98 0.5	86 -12	89 -1.8 20	99 10 10	91 0.3 12	104 -9.2 47	102 -3.3 24	91 18.5 49	100 2	98 3 12	
PLS 230025 96838750 PLS 230025		UCP 190067 PLS 190030	116 68	97 32	97 28	97 19	113 36	106 25	98 32	102 28	116 -0.67 73	96 0.18 43	101 6	97 1.5	97 0.3	94 5	98 2.5 22	104 21 12	94 1.5 14	88 3.5 40	122 -8.0 26	106 26.4 42	96 0	100 5 14	
PLS 230031 96838818 PLS 230031		UCP 190067 PLS 180015	87 68	104 33	99 25	100 17	95 37	94 25	101 32	97 28	88 0.70 73	96 0.17 44	98 3	104 4.2	99 0.9	103 26	102 4.9 19	99 10 12	89 -0.6 14	80 10.7 42	100 -3.0 26	101 23.7 44	100 2	98 3 13	
PLS 230036 96839808 PLS 230036		UCP 180021 PLS 200067	116 51	91 22	91 20	108 12	89 35	84 20	86 24	84 22	114 -0.59 55	102 0.00 32	94 -1	91 -0.5	91 -1.2	87 -11	88 -2.3 16	91 -8 14	96 2.1 16	96 -2.8 40	79 1.9 22	105 26.0 42	94 -1	92 -1 15	
PLS 230046 96839832 PLS 230046	1	UCP 180021 PLS 190008	117 68	87 22	92 20	109 12	98 36	91 21	86 25	87 23	129 -1.34 73	95 0.19 40	93 -2	87 -2.1	92 -0.9	84 -16	86 -3.4 16	91 -9 13	96 2.1 16	93 -0.7 40	90 -0.5 25	111 29.0 43	92 -2	90 -2 15	
PLS 230054 96839014 PLS 230054		UCP 180057 PLS 190025	123 68	91 20	92 19	105 10	92 36	86 20	87 24	85 22	122 -0.95 73	100 0.05 40	95 0	91 -0.5	92 -0.9	87 -9	90 -1.1 15	96 3 11	90 0.0 13	95 -2.1 40	78 2.3 25	112 29.7 44	94 -1	94 1 13	
PLS 230060 96839063 PLS 230060		UCP 180057 PLS 170082	101 69	97 23	94 21	102 12	95 37	90 22	94 26	91 24	99 0.16 74	105 -0.10 42	96 1	97 1.5	94 -0.3	94 4	92 -0.2 18	97 5 13	94 1.4 15	106 -10.9 42	82 1.4 25	107 27.2 44	95 0	94 1 14	
PLS 230079 96839196 PLS 230079		JSA 140064 PLS 170017	69 70	111 25	101 21	95 15	107 38	105 23	110 28	108 26	66 1.79 75	112 -0.29 45	102 7	111 6.4	101 1.2	108 35	106 7.0 16		98 3.1 6	95 -1.8 44	116 -6.5 24	99 22.5 46	99 2	101 6 6	
PLS 230091 96839451 PLS 230091		UCP 180057 PLS 190093	94 68	102 21	93 19	108 11	99 36	98 21	103 25	100 23	95 0.38 74	96 0.17 41	94 -1	102 3.4	93 -0.6	98 14	99 3.3 16	93 -3 12	89 -0.5 14	103 -8.8 41	86 0.5 25	112 29.6 43	90 -3	91 -2 14	
PLS 240011 98120207 PLS 240011		UCP 180057 PLS 180083	121 68	87 32	86 21	112 13	96 37	89 23	86 30	86 26	117 -0.70 73	112 -0.29 40	90 -4	87 -1.9	86 -2.2	81 -24	84 -4.1 18	88 -16 13	88 -0.8 15	97 -3.7 42	92 -1.0 26	103 24.7 44	86 -5	86 -6 14	
PLS 240013 98120223 PLS 240013		UCP 180057 PLS 200052	113 67	95 21	84 19	103 10	90 36	82 21	85 24	82 22	109 -0.33 73	111 -0.27 38	96 1	95 0.7	84 -2.7	83 -20	90 -1.2 16	95 1 12	94 1.4 14	89 3.1 41	86 0.3 24	103 25.0 43	94 -1	94 1 13	

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	PLS 240015	1	UCP 180021 PLS 170052	102 68	102 29	94 24	102 16	113 37	109 24	107 29	108 26	103 -0.02 73	93 0.26 42	96 1	102 3.3 29	94 -0.3 24	98 13 23	99 3.3 19	98 7 13	101 4.1 15	97 -4.0 40	115 -6.4 26	108 27.5 44	93 -1 15	96 2 15
	PLS 240017		UCP 180021 PLS 200021	94 66	105 27	96 23	100 15	100 35	98 23	104 28	101 26	95 0.35 72	93 0.24 39	98 3	105 4.3 27	96 0.1 23	101 20 22	102 4.6 18	97 5 14	95 2.1 17	100 -6.4 39	92 -1.1 24	108 27.4 42	93 -2 17	93 0 17
	PLS 240020		UCP 180057 PLS 190009	110 67	94 21	95 19	102 10	98 36	92 21	92 25	92 23	107 -0.22 73	109 -0.21 39	97 2	94 0.7 21	95 0.0 19	92 2 17	91 -0.6 15	98 7 12	95 1.9 14	95 -1.8 40	89 -0.3 25	111 29.0 44	99 1 14	98 3 13
	PLS 240021	1	UCP 180021 PLS 160039	114 67	101 29	92 25	97 15	95 35	89 23	93 29	90 26	115 -0.62 72	90 0.34 41	101 6	101 2.8 29	92 -1.0 25	92 1 23	96 1.8 22	101 15 19	99 3.4 23	87 4.3 38	95 -1.7 24	104 25.1 44	95 0 23	95 1 22
	PLS 240026		UCP 190067 PLS 210025	82 67	107 32	105 27	100 18	110 35	110 25	113 31	112 28	85 0.86 72	87 0.43 41	98 3	107 5.0 32	105 2.1 27	110 40 26	107 7.1 21	97 5 12	86 -1.5 14	98 -5.0 41	112 -5.7 24	106 26.2 41	95 -1 14	95 1 13
	PLS 240028		UCP 180057 PLS 170050	87 68	105 26	92 22	104 14	105 37	102 23	107 28	105 26	86 0.80 73	104 -0.07 41	95 1	105 4.4 26	92 -0.8 22	99 16 21	101 4.2 18	95 1 12	91 0.4 15	104 -9.9 41	97 -2.2 25	109 28.2 44	91 -2 15	92 -1 14
	PLS 240036		UCP 180057 PLS 160029	120 68	95 27	95 23	96 13	105 35	96 22	92 28	93 25	126 -1.18 74	90 0.34 41	103 7	95 0.9 27	95 -0.1 23	90 -3 21	94 0.9 18	102 15 18	96 2.2 22	103 -8.7 39	100 -3.0 24	107 26.7 43	96 0 22	96 2 21
	PLS 240037		UCP 180057 PLS 120002	101 68	97 21	92 17	104 11	107 33	100 20	98 24	99 22	97 0.27 73	115 -0.38 45	96 1	97 1.4 21	92 -1.0 17	91 -1 16	91 -0.7 16	95 0 12	94 1.5 14	99 -5.1 33	107 -4.5 21	105 26.1 44	95 -1 15	95 1 14
	PLS 240038		UCP 180057 PLS 170082	119 68	90 23	94 21	102 12	95 37	88 22	87 26	86 24	117 -0.74 73	101 0.01 42	96 1	90 -0.8 23	94 -0.3 21	88 -8 19	87 -2.6 18	97 5 13	94 1.4 15	106 -10.9 42	82 1.4 25	107 27.2 44	95 0 15	94 1 14
	PLS 240042	1	UCP 180057 PLS 140027	107 69	96 28	96 24	110 16	119 38	117 24	109 29	113 26	108 -0.27 74	89 0.35 45	92 -3	96 1.1 28	96 0.2 24	97 11 23	94 0.6 22	88 -14 18	96 2.1 22	109 -13.5 42	118 -7.1 26	111 29.0 46	89 -4 22	87 -5 21
	PLS 240043		UCP 180021 PLS 200072	95 66	100 29	91 20	111 13	89 37	88 23	97 28	92 26	95 0.35 72	97 0.13 39	91 -3	100 2.6 29	91 -1.1 20	95 8 21	97 2.0 16	91 -9 13	90 -0.1 15	86 5.0 41	85 0.6 26	103 24.8 44	90 -3 15	88 -4 14
	PLS 240047		UCP 180057 PLS 190025	112 68	95 20	92 19	105 10	92 36	87 20	91 24	88 22	110 -0.39 73	103 -0.02 40	95 0	95 0.9 20	92 -0.9 19	91 -2 16	93 0.3 15	96 3 11	90 0.0 13	95 -2.1 40	78 2.3 25	112 29.7 44	94 -1 14	94 1 13

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	PLS 240048	1	UCP 190067 PLS 210049	86 67	113 33	95 28	93 18	108 34	104 25	109 31	107 28	90 0.64 73	85 0.48 39	105 9 18	113 7.0 33	95 -0.2 28	103 24 26	109 8.5 23	107 26 16	93 1.1 20	94 -1.4 40	111 -5.6 21	105 26.1 41	94 -1 20	99 4 19
	PLS 240050	1	UCP 180021 PLS 190030	106 68	98 29	86 24	104 16	108 36	101 24	98 29	99 26	103 -0.04 73	111 -0.25 40	95 1 16	98 1.9 29	86 -2.2 24	88 -8 23	94 0.9 20	97 5 13	100 3.6 15	93 -0.3 39	112 -5.8 26	106 26.2 43	90 -3 15	93 0 15
	PLS 240054	1	UCP 180021 PLS 160051	112 68	97 26	89 21	107 14	97 35	93 22	94 27	93 24	110 -0.36 73	104 -0.07 43	94 -1 14	97 1.4 26	89 -1.6 21	90 -4 20	94 0.7 18	98 7 18	101 4.2 22	90 2.4 37	99 -2.6 23	102 24.0 44	109 7 22	102 7 21
	PLS 240057		UCP 180057 PLS 180008	85 68	104 27	97 22	108 15	104 37	104 23	108 28	106 26	86 0.82 73	96 0.15 41	93 -1 15	104 3.9 27	97 0.3 22	103 25 21	101 4.4 18	91 -9 13	92 0.8 15	95 -2.4 41	105 -4.1 25	103 24.8 44	89 -4 15	89 -3 15
	PLS 240064		UCP 180057 PLS 180038	93 68	101 26	95 22	101 14	111 37	106 23	105 28	105 26	90 0.62 73	113 -0.31 41	97 2 14	101 2.9 26	95 -0.2 22	97 12 21	96 1.8 18	97 5 13	96 2.3 15	100 -6.0 41	111 -5.4 25	109 28.0 44	96 0 15	96 2 14
	PLS 240065		UCP 180057 PLS 170018	117 69	97 28	95 22	98 14	104 36	97 23	95 28	96 26	114 -0.59 74	105 -0.09 42	100 5 14	97 1.5 28	95 -0.2 22	92 1 21	94 0.8 20	103 18 19	93 1.2 22	104 -9.5 40	96 -2.0 25	110 28.5 44	97 0 23	97 2 22
	PLS 240068		UCP 180057 PLS 200082	111 67	94 23	93 19	100 11	99 37	91 21	90 26	89 24	109 -0.32 73	103 -0.02 39	99 4 11	94 0.6 23	93 -0.7 19	89 -5 18	91 -0.8 18	95 1 13	95 1.8 15	101 -6.7 41	88 -0.1 25	110 28.7 44	94 -1 15	94 0 15
	PLS 240071		UCP 180021 PLS 170015	111 68	103 28	91 24	94 15	104 36	96 23	97 29	96 26	111 -0.41 73	95 0.20 42	104 8 15	103 3.7 28	91 -1.2 24	92 1 22	99 3.3 20	105 23 19	99 3.5 22	99 -5.5 39	103 -3.5 25	105 25.8 44	98 1 23	100 5 22
	PLS 240072		UCP 180021 PLS 190093	120 67	93 22	90 20	108 11	93 36	89 21	90 25	88 23	120 -0.88 72	92 0.28 40	93 -1 11	93 0.1 22	90 -1.4 20	88 -9 18	92 -0.4 17	92 -6 13	90 -0.1 15	96 -2.7 40	82 1.4 25	110 28.7 43	89 -3 15	90 -3 14
	PLS 240076		UCP 180021 PLS 170041	106 68	95 26	92 22	106 15	106 37	100 23	97 28	98 26	105 -0.14 73	101 0.02 43	95 0 15	95 0.9 26	92 -0.9 22	91 -2 21	93 0.4 18	91 -7 13	94 1.7 15	100 -6.5 41	102 -3.3 26	108 27.6 43	90 -3 16	91 -2 15
	PLS 240077		UCP 180021 PLS 180017	110 68	96 27	94 23	102 14	108 36	102 23	99 28	100 26	109 -0.34 73	100 0.06 41	97 2 14	96 1.3 27	94 -0.3 23	93 3 21	95 1.0 18	96 3 13	96 2.1 15	114 -18.1 40	101 -3.1 25	105 26.0 42	94 -1 15	94 1 14
	PLS 240078	1	UCP 180057 PLS 100071	128 70	87 31	88 25	108 14	116 39	107 25	93 31	99 28	123 -1.03 74	114 -0.34 47	94 -1 14	87 -2.0 31	88 -1.8 25	81 -24 23	85 -3.6 24	92 -6 13	91 0.4 16	103 -8.6 42	119 -7.3 27	108 27.6 47	88 -4 16	89 -3 15

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	PLS 240079		UCP 190067 PLS 210009	86 68	107 31	98 27	96 18	114 35	111 24	110 30	111 27	87 0.75 73	97 0.14 41	101 6 18	107 5.2 31	98 0.5 27	103 24 25	105 6.5 20	102 15 12	91 0.2 14	100 -6.0 40	117 -6.9 24	107 27.2 41	95 -1 14	98 3 13
	PLS 240087		UCP 180057 PLS 150129	102 69	104 27	90 22	106 15	101 37	99 23	104 28	102 26	103 -0.02 74	93 0.25 42	94 0 15	104 3.9 27	90 -1.3 22	97 11 21	101 4.1 20	99 10 19	97 2.5 22	102 -7.9 41	95 -1.6 25	106 26.5 45	107 6 23	100 5 21
	PLS 240089	1	UCP 180057 PLS 110003	123 69	86 30	95 24	110 17	95 37	91 24	86 30	87 27	124 -1.09 74	99 0.09 45	92 -3 17	86 -2.5 30	95 -0.1 24	87 -10 24	83 -4.9 23	88 -15 18	95 1.8 21	104 -10.0 41	94 -1.4 25	96 20.9 46	91 -2 22	88 -4 21
	PLS 240091	1	UCP 180021 PLS 190058	112 68	96 27	86 23	104 16	100 36	93 23	93 28	92 26	110 -0.38 73	104 -0.06 40	96 1 16	96 1.3 27	86 -2.2 23	86 -12 22	92 0.0 18	98 7 13	99 3.5 15	91 1.3 39	100 -2.9 26	106 26.3 42	91 -3 15	94 0 15
	PLS 250018		UCP 190067 PLS 200007	92 67	103 25	101 17		115 31				93 0.48 72	96 0.16 42		103 3.6 25	101 1.2 17					101 -6.8 39	118 -7.2 15	107 27.1 39		
	PLS 250019		UCP 180057 PLS 200010	64 66	123 27	98 23	101 15	112 35	117 23	130 28	125 26	50 2.61 72	89 0.37 38	97 2 15	123 10.8 27	98 0.6 23	118 58 22	118 12.5 18	96 2 13	95 2.0 15	105 -10.2 40	111 -5.4 24	107 26.9 42	92 -2 15	93 0 14
	PLS 250022		UCP 180057 PLS 160069	104 68	103 28	98 24	95 16	108 36	103 23	102 29	102 26	105 -0.11 73	93 0.26 42	102 7 16	103 3.6 28	98 0.4 24	98 15 23	98 2.9 21	104 20 20	98 3.0 23	100 -6.4 40	102 -3.4 25	113 29.9 44	97 1 23	98 3 22
	PLS 250023		UCP 190067 PLS 170072	99 67	106 34	101 30	95 20	107 37	105 26	106 33	105 30	105 -0.13 72	71 0.88 44	103 8 20	106 4.9 34	101 1.2 30	104 26 28	109 8.1 24	104 20 12	91 0.4 14	90 2.4 41	116 -6.5 26	101 23.9 43	96 0 14	100 5 14
	PLS 250025		UCP 200086 PLS 220007	116 63				92 28				132 -1.46 69	101 0.03 31								99 -5.3 37	72 3.7 10	116 31.8 37		
	PLS 250026	1	UCP 190067 PLS 170018	115 68	100 32	102 27	92 18	103 35	98 25	96 31	96 28	115 -0.62 72	94 0.21 45	106 10 18	100 2.6 32	102 1.6 27	99 15 26	100 3.6 22	109 31 17	89 -0.4 20	92 0.4 40	102 -3.3 24	108 27.7 42	101 3 21	102 7 20
	PLS 250030		UCP 180057 PLS 170085	89 69	104 30	93 24	101 16	113 37	109 24	108 30	108 27	88 0.72 74	104 -0.07 43	98 3 16	104 4.2 30	93 -0.7 24	98 14 23	98 2.9 20	100 12 13	102 4.4 15	103 -8.9 41	117 -6.9 26	104 25.1 44	95 0 16	98 3 15
	PLS 250031		UCP 180057 PLS 190008	108 68	95 21	95 19	108 11	103 36	100 21	98 25	99 23	108 -0.26 73	98 0.11 40	93 -1 11	95 0.8 21	95 -0.1 19	94 5 17	92 -0.1 16	92 -6 13	94 1.6 16	101 -6.9 40	94 -1.4 25	112 29.8 44	93 -2 16	92 -1 15

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PLS 250032 99745069 PLS 250032	UCP 180057 PLS 210031	94 67	99 21	89 18	100 11	110 34	101 20	98 24	99 22	90 0.62 73	117 -0.42 35	98 3 11	99 2.2 21	89 -1.6 18	90 -4 17	94 0.8 16	95 0 12	93 1.1 14	104 -9.3 40	104 -3.7 22	112 29.7 41	94 -1 14	94 1 13		
PLS 250035 99930893 PLS 250035	UCP 180057 PLS 180037	110 68	93 27	91 22	106 15	96 36	90 23	90 28	89 26	108 -0.27 73	107 -0.13 40	95 0 15	93 0.1 27	91 -1.1 22	88 -8 21	91 -0.6 18	93 -3 13	91 0.4 15	94 -1.1 40	92 -0.9 25	106 26.2 43	90 -3 16	91 -2 15		
PLS 250037 99930901 PLS 250037	UCP 190067 PLS 210025	91 68	103 32	105 27	100 18	110 35	109 25	110 31	110 28	95 0.39 73	85 0.49 41	98 3 18	103 3.8 32	105 2.1 27	107 33 26	104 5.9 21	97 5 12	86 -1.5 14	98 -5.0 41	112 -5.7 24	106 26.2 41	95 -1 14	95 1 13		
PLS 250039 99930919 PLS 250039	UCP 190067 PLS 150109	105 69	102 32	97 27	101 18	100 37	98 25	102 32	100 28	108 -0.30 74	79 0.65 46	97 2 18	102 3.5 32	97 0.2 27	100 17 26	103 5.3 26	97 5 14	80 -3.8 16	91 1.5 41	102 -3.4 26	103 24.7 44	88 -4 16	91 -1 16		
PLS 250042 99930943 PLS 250042	UCP 190067 PLS 180028	108 68	92 31	94 28	97 19	96 36	87 25	84 31	84 28	106 -0.16 73	106 -0.13 43	101 6 19	92 -0.1 31	94 -0.3 28	88 -9 26	89 -1.9 24	95 0 12	86 -1.7 14	82 9.1 40	103 -3.6 24	100 23.2 43	96 0 15	94 1 14		
PLS 250045 99930976 PLS 250045	UCP 190067 PLS 210049	108 67	105 33	95 28	93 18	108 34	102 25	101 31	101 28	111 -0.42 73	80 0.62 39	105 9 18	105 4.3 33	95 -0.2 28	96 10 26	104 5.7 23	107 26 16	93 1.1 20	94 -1.4 40	111 -5.6 21	105 26.1 41	94 -1 20	99 4 19		
PLS 250048 99930992 PLS 250048	UCP 180057 PLS 180075	92 68	104 24	93 22	100 14	96 36	92 22	98 27	95 24	94 0.40 73	88 0.38 40	99 4 14	104 3.9 24	93 -0.7 22	97 11 20	99 3.4 19	94 -1 13	94 1.4 15	91 0.9 40	95 -1.7 24	103 25.0 43	94 -1 16	92 -1 15		
PLS 250049 99931008 PLS 250049	UCP 180057 PLS 180015	108 69	94 29	92 20	109 12	96 38	92 23	93 29	92 26	107 -0.22 74	102 0.00 42	93 -2 12	94 0.6 29	92 -0.9 20	91 -2 20	92 -0.5 16	93 -3 13	93 1.0 15	92 0.7 42	95 -1.7 27	102 24.5 45	95 0 15	92 -1 14		
PLS 250050 99931016 PLS 250050	UCP 180057 PLS 180017	94 68	102 26	98 22	101 14	113 36	110 23	109 27	110 25	94 0.43 73	101 0.01 41	97 2 14	102 3.4 26	98 0.5 22	101 20 21	99 3.4 18	97 6 13	94 1.7 15	122 -24.3 40	105 -4.0 25	107 26.9 43	96 0 15	95 2 14		
PLS 250051 99931024 PLS 250051	UCP 180057 PLS 170017	110 69	97 28	93 23	102 15	111 37	105 24	100 29	102 26	109 -0.31 74	104 -0.05 42	97 2 15	97 1.5 28	93 -0.6 23	92 2 22	94 0.7 18	99 10 13	100 3.7 15	101 -7.0 40	116 -6.5 26	103 24.9 44	94 -1 15	97 3 15		
PLS 250052 99934259 PLS 250052	UCP 180057 PLS 210071	125 67	88 21	91 19	104 10	94 35	86 20	84 24	84 22	124 -1.09 73	108 -0.18 35	95 1 10	88 -1.6 21	91 -1.1 19	84 -18 17	87 -3.0 15	99 9 14	97 2.8 16	103 -9.0 40	81 1.6 23	109 27.8 42	105 5 16	101 6 15		
PLS 250053 99934267 PLS 250053	UCP 190067 PLS 170082	119 68	93 28	102 26	96 16	94 37	88 24	87 29	86 26	120 -0.87 73	90 0.32 44	102 6 16	93 0.0 28	102 1.4 26	94 6 23	93 0.0 20	103 18 12	90 -0.2 14	94 -0.9 42	87 0.1 25	106 26.5 44	100 2 14	100 5 14		

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	PLS 250054	1	UCP 190067 99934275 PLS 160040	105	103	104	94	107	104	103	104	106	92	103	103	104	103	102	105	90	89	112	106	99	99
	99934275			69	34	28	19	35	25	32	28	-0.19	0.29	8	3.7	1.9	26	4.5	23	0.0	3.2	-5.7	26.2	1	5
	PLS 250054											74	45	19	34	28	27	24	17	20	39	24	43	21	20
	PLS 250056		UCP 190067 99934291 PLS 180016	81	111	96	97	107	105	110	108	83	94	101	111	96	104	109	104	90	89	112	105	94	99
	99934291			68	32	28	19	37	26	32	29	0.97	0.22	6	6.6	0.1	28	8.5	20	0.1	3.1	-5.8	26.1	-1	4
	PLS 250056											73	44	19	32	28	26	22	12	14	42	26	43	15	14
	PLS 250058		UCP 180057 99934317 PLS 190058	100	100	90	103	106	100	101	100	99	105	96	100	90	92	96	99	98	98	104	107	92	95
	99934317			68	27	23	16	36	23	28	26	0.19	-0.07	1	2.7	-1.4	2	1.9	9	3.0	-4.8	-3.8	27.1	-2	1
	PLS 250058											73	40	16	27	23	22	18	13	15	40	26	43	15	15
	PLS 250065		UCP 180057 99934366 PLS 200032	118	92	98	108	103	101	98	99	120	84	93	92	98	95	93	92	94	104	93	112	93	92
	99934366			67	21	19	11	37	21	25	23	-0.87	0.49	-1	-0.1	0.6	7	0.0	-6	1.6	-9.4	-1.3	29.4	-2	-1
	PLS 250065											73	39	11	21	19	17	16	13	16	41	25	44	16	15
	PLS 250067		UCP 180057 99934382 PLS 170052	98	103	98	102	118	115	113	114	100	92	97	103	98	101	101	99	100	105	119	110	94	97
	99934382			69	28	23	15	37	24	29	26	0.15	0.29	2	3.7	0.4	21	4.1	10	3.7	-10.2	-7.3	28.4	-1	3
	PLS 250067											74	42	15	28	23	22	18	13	15	41	26	44	15	15
	PLS 250068		UCP 180057 99934390 PLS 200072	85	104	94	110	94	95	104	100	85	98	92	104	94	101	100	92	89	94	89	105	91	90
	99934390			67	28	19	12	37	22	28	25	0.85	0.12	-3	3.9	-0.4	21	3.7	-6	-0.5	-1.2	-0.3	25.6	-2	-3
	PLS 250068											73	39	12	28	19	20	16	12	14	41	26	44	15	14
	PLS 250072		UCP 180057 99934416 PLS 170041	82	104	95	105	111	109	110	110	81	105	95	104	95	101	100	93	93	108	106	110	91	92
	99934416			69	25	22	14	37	23	27	25	1.06	-0.08	0	4.0	-0.2	20	3.9	-5	1.2	-12.6	-4.2	28.5	-2	-1
	PLS 250072											74	43	14	25	22	20	18	13	15	41	26	44	15	15
	PLS 250076		UCP 190067 99934440 PLS 210009	85	108	98	96	114	111	111	111	85	97	101	108	98	103	106	102	91	100	117	107	95	98
	99934440			68	31	27	18	35	24	30	27	0.85	0.13	6	5.4	0.5	26	6.7	15	0.2	-6.0	-6.9	27.2	-1	3
	PLS 250076											73	41	18	31	27	25	20	12	14	40	24	41	14	13
	PLS 250079		UCP 190067 99934473 PLS 180014	99	102	97	97	106	101	101	100	100	94	101	102	97	98	100	100	88	87	109	108	95	96
	99934473			68	30	27	19	37	25	31	28	0.13	0.22	6	3.3	0.3	14	3.8	12	-0.7	4.7	-5.1	27.4	0	2
	PLS 250079											73	43	19	30	27	25	21	12	15	42	25	43	15	14
	PLS 250081		UCP 180057 99934481 PLS 200021	92	106	99	100	105	104	108	106	93	92	98	106	99	104	103	98	94	108	96	109	94	94
	99934481			67	26	22	14	35	22	27	24	0.45	0.28	3	4.6	0.8	27	5.3	8	1.6	-12.6	-2.0	28.2	-1	1
	PLS 250081											73	39	14	26	22	21	18	14	17	40	24	42	17	16
	PLS 250082		UCP 180057 99934499 PLS 200039	86	107	99	102	118	117	117	118	89	89	96	107	99	106	104	96	97	111	116	109	93	94
	99934499			68	26	22	14	36	23	27	25	0.69	0.36	2	5.0	0.8	31	5.9	4	2.8	-15.3	-6.7	28.2	-1	1
	PLS 250082											73	40	14	26	22	21	17	12	15	40	25	42	15	14
	PLS 250088		UCP 200086 99947756 PLS 220081	93	94	102	113	97	98	100	99	94	95	89	94	102	102	93	88	90	96	87	110	98	90
	99947756			65	30	21	15	34	23	28	26	0.43	0.19	-5	0.4	1.5	22	0.2	-14	-0.2	-3.2	0.2	28.6	1	-3
	PLS 250088											71	35	15	30	21	22	16	12	14	40	22	40	15	14

Breeding Values and Accuracies: Bulls

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

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values									Birth		Wean				Growth		Fertility				Frame	
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	
PLS 250089 99934523 PLS 250089		PLS 230052	89 61	101 13	93 11	104 7	97 21				88 0.73 68	105 -0.10 26	96 1	101 3.1 13	93 -0.6 11	97 11 10	98 2.6 9	96 3 6	95 2.0 8	105 -10.2 26	102 -3.4 13	89 17.3 23	95 -1 8	97 3 7	
PLS 250090 99934531 PLS 250090		PLS 230024	85 61	102 17	100 13	101 8	90 20				85 0.85 68	101 0.02 25	97 2	102 3.2 17	100 0.9 13	102 22 13	99 3.3 10	97 4 6	90 0.0 7	91 1.0 26	97 -2.2 12	89 17.1 22	97 1 8	98 4 7	
PLS 250091 99937302 PLS 250091	1	UCP 190067 PLS 110003	107 70	95 34	103 28	101 20	94 37	92 26	94 33	92 30	108 -0.29 74	92 0.28 47	97 2 20	95 0.8 34	103 1.6 28	99 16 27	93 0.1 25	94 -2 17	91 0.2 21	92 0.0 41	99 -2.7 25	94 20.2 45	96 0 21	93 0 20	
PLS 250096 99934549 PLS 250096		PLS 230033	104 61	95 14	96 12	99 8	90 20				102 0.00 68	106 -0.11 26	99 4	95 0.8 14	96 0.0 12	92 0 11	93 0.1 10	97 5 6	92 0.6 7	94 -1.4 26	96 -1.9 12	89 17.2 23	98 1 7	99 4 6	
PLS 250098 99934564 PLS 250098		UCP 180057 PLS 210053	106 67	99 29	91 25	99 16	104 35	96 23	96 29	96 26	104 -0.07 73	109 -0.20 36	99 4 16	99 2.3 29	91 -1.2 25	91 -1 23	96 1.5 22	102 16 19	94 1.5 22	105 -10.5 40	95 -1.6 23	110 28.3 42	91 -2 23	94 1 22	

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																								
PLS 100071 80502537 PLS10071	1	CS 030092 PLS 040007	124 87	80 51	86 41	112 22	129 59	117 38	94 48	104 43	128 -1.27 87	127 -0.72 86	91 -4 22	80 -4.3 51	86 -2.1 41	75 -36 38	81 -5.7 40	86 -19 15	87 -1.2 18	103 -8.6 65	138 -11.8 44	110 28.5 69	83 -7 18	86 -6 17
PLS 110002 83633883 PLS110002		FF 070104 PLS 080080	98 86	98 44	104 38	113 29	104 58	109 37	111 46	110 42	103 -0.04 86	72 0.85 84	89 -5 29	98 2.1 44	104 2.0 38	108 35 37	100 3.6 34	84 -24 30	93 1.3 36	114 -17.7 64	99 -2.6 41	100 23.4 68	92 -2 36	87 -4 35
PLS 110003 83633891 PLS110003	3	FF 070104 PLS 080007	117 85	78 50	101 37	115 30	87 55	84 37	81 47	81 42	130 -1.36 85	97 0.14 83	87 -7 30	78 -5.2 50	101 1.3 37	88 -7 39	76 -8.2 38	78 -37 29	94 1.5 34	106 -11.3 62	88 0.0 38	85 15.1 66	90 -3 36	83 -8 33
PLS 120002 85320539 PLS120002		PLS 080033	108 79	90 26	94 18	106 13	109 41	102 24	93 29	97 26	102 0.00 78	124 -0.62 82	95 0 13	90 -1.0 26	94 -0.4 18	88 -7 19	86 -3.4 18	91 -7 9	92 0.9 10	94 -1.6 37	115 -6.3 25	104 25.4 60	97 0 10	97 3 10
PLS 120044 83429688 PLS12044	1	FF 070104 PLS 030019	97 85	96 47	93 44	118 29	103 56	105 38	107 47	106 42	102 0.04 85	76 0.72 83	84 -10 29	96 1.1 47	93 -0.6 44	98 13 40	93 0.1 36	75 -43 31	98 2.8 36	108 -13.0 62	109 -5.0 39	92 18.6 68	81 -8 37	78 -12 35
PLS 140027 85327732 PLS140027	2	FF 070104 PLS 100071	118 85	89 46	104 38	115 28	134 57	134 37	117 46	126 42	123 -1.01 85	72 0.83 83	87 -7 28	89 -1.3 46	104 1.9 38	100 18 37	91 -0.5 34	78 -36 30	95 2.1 35	115 -18.5 64	136 -11.4 41	115 31.3 65	85 -6 36	81 -9 34
PLS 150078 85321545 PLS150078		FB 070031 PLS 080045	82 84	116 35	88 32	101 24	93 56	93 34	111 40	102 37	86 0.83 84	83 0.53 81	97 2 24	116 8.4 35	88 -1.8 32	104 27 30	114 11.0 29	99 10 18	88 -0.7 21	84 6.9 61	92 -0.9 42	104 25.5 64	95 0 21	94 1 20
PLS 150100 85321446 PLS150100		FB 070031 PLS 070219	98 82	97 36	76 35	109 26	108 57	97 35	94 41	95 38	93 0.45 83	126 -0.68 80	93 -1 26	97 1.5 36	76 -4.6 35	78 -29 32	89 -1.8 30	91 -9 19	84 -2.3 21	91 0.9 65	95 -1.7 43	125 36.4 64	87 -5 21	89 -4 20
PLS 150109 83664243 PLS150109	1	FB 070031 PLS 040014	105 82	100 43	89 35	114 23	98 55	99 35	105 43	102 39	109 -0.34 83	76 0.74 80	88 -6 23	100 2.8 43	89 -1.5 35	96 9 34	103 5.1 38	84 -24 18	73 -6.5 21	103 -8.5 61	93 -1.3 40	102 24.1 64	75 -10 21	80 -10 20
PLS 150129 85408839 PLS150129		FF 070206 PLS 110066	107 81	105 43	91 34	110 24	97 54	99 34	108 43	104 38	110 -0.39 82	80 0.62 77	92 -2 24	105 4.5 43	91 -1.0 34	100 19 34	106 6.9 30	100 12 30	97 2.8 36	101 -7.3 61	89 -0.4 38	106 26.3 62	122 13 37	108 11 35
PLS 160029 85209948 PLS16029	4	MVN 100096 PLS 090079	107 80	106 44	101 37	90 20	105 49	101 33	101 42	101 38	109 -0.32 81	85 0.49 75	109 13 20	106 4.8 44	101 1.4 37	102 22 34	106 6.6 26	105 24 29	96 2.4 35	103 -8.7 54	101 -3.2 33	106 26.7 59	100 2 36	99 4 34
PLS 160039 85321701 PLS16039		MVN 100096 PLS 070028	115 80	104 46	101 39	92 25	97 51	94 35	97 44	95 40	120 -0.86 81	73 0.80 75	106 10 25	104 4.2 46	101 1.1 39	101 20 37	102 5.0 33	107 28 32	100 3.7 37	87 4.9 56	98 -2.4 36	104 25.2 61	101 2 38	101 5 36

Breeding Values and Accuracies: Cows

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

Inbreeding in red is high

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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																									
PLS 160040 85209922 PLS16040	1	MVN 100096 PLS 080001	115 82	92 49	104 36	98 26	112 52	106 35	98 45	101 40	131 -1.43 83	95 0.20 78	100 5 26	92 -0.3 49	104 1.9 36	96 10 37	93 0.0 35	100 12 30	93 1.1 36	99 -5.1 56	114 -6.1 37	108 27.2 62	96 0 37	95 2 35	
PLS 160051 85408698 PLS16051	1	FF 070206 PLS 120002	109 82	97 39	95 30	109 21	101 49	100 31	101 39	100 35	108 -0.26 83	102 -0.02 78	92 -2 21	97 1.6 39	95 -0.1 30	97 11 30	99 3.0 24	100 12 29	104 5.5 35	91 1.0 53	105 -4.2 33	100 23.0 61	129 17 35	114 16 34	
PLS 160056 88762679 PLS16056		MVN 100096	82 74	124 36	132 29	89 21	91 37		127 34		89 0.68 74	51 1.44 76	108 12 21	124 11.0 36	132 8.5 29	141 108 29	129 18.3 24	109 31 30	96 2.2 35	95 -2.2 33	84 0.9 22	104 25.3 55	110 7 35	107 10 34	
PLS 160069 85321677 PLS16069		MVN 100096 PLS 070007	107 81	105 46	106 39	90 26	112 52	109 35	105 44	106 40	110 -0.40 82	81 0.60 77	108 13 26	105 4.3 46	106 2.4 39	104 28 37	102 4.9 33	109 32 32	100 3.9 37	98 -4.3 58	105 -4.0 37	118 33.1 60	101 3 38	103 7 36	
PLS 170015 86633252 PLS17015		MVN 100096 PLS 100055	103 81	112 44	99 36	87 23	115 53	110 34	107 43	108 38	105 -0.15 82	85 0.49 78	112 16 23	112 6.7 44	99 0.7 36	102 22 34	110 8.6 30	115 44 31	100 4.0 36	110 -14.9 59	113 -6.0 38	106 26.6 61	107 6 37	110 12 35	
PLS 170017 86673225 PLS17017	1	CS 120079 PLS 080033	85 81	106 45	97 35	101 26	119 53	116 35	115 44	116 40	83 0.96 82	110 -0.23 77	97 2 26	106 4.7 45	97 0.4 35	103 26 35	103 5.1 26	100 12 12	104 5.2 15	99 -5.5 58	132 -10.3 40	100 23.1 62	96 0 15	102 6 14	
PLS 170018 89057715 PLS17018		MVN 100096 PLS 090013	109 81	89 44	101 34	94 24	104 52	94 34	87 43	89 38	139 -1.81 82	103 -0.03 77	104 9 24	89 -1.1 44	101 1.2 34	90 -4 34	91 -0.6 31	107 28 30	91 0.3 35	105 -10.5 59	93 -1.1 38	113 30.2 59	101 2 36	101 6 35	
PLS 170041 86671716 PLS17041		AZ 130022 PLS 140085	74 81	103 38	101 32	108 24	118 54	118 33	116 40	117 36	75 1.37 82	102 0.00 78	93 -1 24	103 3.7 38	101 1.2 32	106 31 31	103 5.4 22	87 -16 13	91 0.3 16	113 -16.7 62	112 -5.7 40	113 30.2 60	90 -3 15	91 -2 15	
PLS 170050 86671732 PLS17050		AZ 130022 PLS 140069	76 80	109 39	96 33	106 23	105 53	106 33	113 40	110 36	76 1.32 81	103 -0.04 74	94 0 23	109 5.7 39	96 0.0 33	106 31 32	107 7.2 24	93 -4 9	87 -1.3 13	106 -11.2 60	95 -1.6 38	112 29.6 60	90 -3 12	91 -2 11	
PLS 170052 86673274 PLS17052	1	CS 120079 PLS 100059	89 81	108 45	106 35	101 26	132 54	133 35	128 44	132 40	93 0.45 82	80 0.63 77	97 2 26	108 5.4 45	106 2.4 35	113 46 35	109 8.2 26	100 12 12	104 5.2 15	107 -11.8 60	139 -11.9 41	113 30.1 62	96 0 15	102 6 14	
PLS 170072 86673324 PLS17072		CS 120079 PLS 060225	73 81	117 51	97 42	98 30	112 54	113 38	121 48	118 43	80 1.09 82	64 1.06 76	100 4 30	117 8.6 51	97 0.4 42	111 43 41	119 13.5 36	98 7 12	95 1.8 14	100 -6.6 62	121 -7.7 40	99 22.6 61	90 -3 14	96 2 14	
PLS 170082 89055545 PLS17082		VEN 110002 PLS 070010	117 81	87 31	100 30	102 17	86 55	80 31	81 36	79 34	115 -0.63 82	102 -0.01 76	96 1 17	87 -1.9 31	100 0.9 30	90 -3 26	86 -3.4 22	96 3 12	92 0.7 13	108 -13.2 64	64 5.5 38	108 27.7 62	98 1 14	96 2 13	

Breeding Values and Accuracies: Cows

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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																								
PLS 170085 86676590 PLS17085	1	CS 120079 PLS 050231	73 81	110 51	97 39	99 27	122 54	119 37	118 47	119 42	73 1.48 82	104 -0.07 78	99 4 27	110 6.0 51	97 0.2 39	105 29 39	103 5.4 32	102 16 14	107 6.6 16	104 -9.3 61	135 -11.1 40	101 23.5 62	98 1 17	103 7 16
PLS 180008 88256557 PLS18008		AZ 130022 PLS 150120	72 80	106 41	104 34	112 25	103 53	109 34	116 42	113 38	75 1.36 81	87 0.41 74	90 -4 25	106 4.7 41	104 2.1 34	114 48 33	107 7.5 26	83 -25 13	89 -0.4 16	88 3.7 62	111 -5.5 38	99 22.9 58	85 -5 16	86 -5 15
PLS 180010 88256573 PLS18010		CS 120079 PLS 140047	107 80	96 41	97 34	104 26	108 50	104 33	100 41	102 37	106 -0.17 81	99 0.08 74	95 0 26	96 1.1 41	97 0.2 34	95 8 34	95 1.4 24	97 4 17	106 6.2 20	98 -4.6 55	117 -6.8 37	98 22.0 58	96 0 21	99 4 20
PLS 180014 88256607 PLS18014		AZ 130022 PLS 150100	88 80	101 39	90 34	106 24	109 53	105 33	105 41	105 37	87 0.77 81	107 -0.15 75	95 0 24	101 3.1 39	90 -1.3 34	94 6 32	98 2.6 24	90 -10 14	89 -0.2 17	95 -2.0 63	108 -4.7 38	112 29.5 59	89 -4 17	89 -3 16
PLS 180015 88256615 PLS18015		T 090008 PLS 080045	80 81	101 48	95 26	113 16	87 56	89 33	100 43	94 38	79 1.16 82	107 -0.14 76	89 -5 16	101 2.9 48	95 -0.2 26	101 20 30	98 2.8 18	89 -13 11	90 -0.1 12	80 10.0 63	90 -0.6 41	98 22.2 64	98 1 13	92 -1 12
PLS 180016 88256623 PLS18016	1	CS 120079 PLS 130105	76 80	112 43	88 38	103 27	112 54	109 36	115 44	113 40	76 1.29 81	102 0.00 76	96 1 27	112 6.7 43	88 -1.8 38	101 19 36	111 9.0 28	97 6 12	93 1.3 15	99 -5.2 62	114 -6.2 41	107 26.9 60	86 -5 16	94 0 15
PLS 180017 88256631 PLS18017		AZ 130022 PLS 150061	86 80	104 41	106 33	100 22	122 51	122 33	119 41	121 37	86 0.79 81	98 0.10 74	97 2 22	104 4.1 41	106 2.5 33	110 40 32	105 6.2 23	97 4 12	93 1.2 15	141 -40.0 59	110 -5.2 37	107 27.0 57	99 2 14	98 4 13
PLS 180025 89057814 PLS18025		CS 120079 PLS 130094	82 79	109 41	96 35	103 26	112 53	111 34	116 42	114 38	84 0.90 80	89 0.38 72	96 1 26	109 5.8 41	96 0.1 35	105 30 34	108 7.6 24	100 12 13	100 3.9 15	100 -6.4 60	109 -5.0 41	112 29.5 59	92 -2 16	98 3 15
PLS 180026 88256706 PLS18026		T 090008 PLS 100059	93 80	88 49	100 27	116 17	100 56	99 34	97 43	97 38	89 0.69 81	124 -0.63 74	85 -9 17	88 -1.7 49	100 0.9 27	96 9 31	84 -4.1 19	81 -30 9	84 -2.4 10	85 5.9 62	101 -3.1 42	107 26.8 63	90 -3 10	88 -4 10
PLS 180028 88256714 PLS18028		SW 110225 PLS 060021	115 80	78 42	85 37	105 26	91 51	75 34	66 42	68 38	111 -0.40 81	129 -0.77 74	95 0 26	78 -5.3 42	85 -2.6 37	70 -48 35	72 -10.3 34	80 -33 14	84 -2.3 16	84 6.8 59	96 -1.9 36	96 21.1 59	90 -3 17	85 -6 16
PLS 180034 88256151 PLS18034		T 090008 PLS 060223	83 81	97 54	105 31	119 17	92 57	99 36	108 46	104 41	86 0.83 82	88 0.39 77	82 -11 17	97 1.4 54	105 2.2 31	110 41 34	101 4.3 30	79 -34 8	75 -5.7 9	91 1.5 64	93 -1.2 42	98 22.3 64	84 -6 9	82 -9 9
PLS 180037 88256169 PLS18037		AZ 130022 PLS 150035	88 79	97 42	93 34	109 25	88 52	86 34	92 42	88 38	85 0.88 80	115 -0.38 72	93 -2 25	97 1.6 42	93 -0.7 34	94 6 34	97 2.1 26	88 -14 14	87 -1.3 17	85 6.5 60	84 0.9 38	105 25.6 58	88 -4 16	89 -3 15

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	% 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																									
PLS 180038 88256177 PLS18038		AZ 130022 PLS 150089	88 80	100 41	101 33	100 23	118 52	114 33	108 41	111 37	84 0.90 81	120 -0.52 75	98 3 23	100 2.6 41	101 1.2 33	101 21 32	97 2.2 22	96 3 12	97 2.5 15	97 -3.5 60	122 -8.0 38	111 29.3 58	100 2 14	99 4 13	
PLS 180075 89057681 PLS18075		SW 110225 PLS 070028	74 79	110 34	96 33	97 22	88 51	87 32	100 38	93 35	81 1.08 80	74 0.79 72	101 6 22	110 6.1 34	96 0.1 33	104 27 30	106 6.9 27	91 -8 15	92 0.8 17	80 10.4 58	90 -0.6 36	100 23.2 58	95 -1 17	92 -1 17	
PLS 180082 88256458 PLS18082	5	CS 120079 PLS 140055	73 80	110 43	93 35	103 23	129 53	127 34	124 42	126 38	74 1.40 81	97 0.14 76	96 1 23	110 6.2 43	93 -0.7 35	103 25 34	110 8.8 20			114 -18.2 62	125 -8.7 39	119 33.6 58			
PLS 180083 88256466 PLS18083		T 090008 PLS 090043	91 79	91 55	83 30	118 18	88 55	83 35	89 46	85 40	88 0.72 80	130 -0.79 72	84 -10 18	91 -0.6 55	83 -2.9 30	84 -17 34	86 -3.1 26	77 -39 11	80 -3.7 13	91 1.2 64	84 0.8 39	99 22.6 62	80 -8 13	79 -11 12	
PLS 190008 89831861 PLS19008		VEN 110002 PLS 140027	121 80	87 27	101 25	111 15	102 52	101 28	95 33	97 30	122 -0.96 81	90 0.34 73	90 -4 15	87 -2.0 27	101 1.3 25	94 6 22	89 -1.9 18	86 -20 15	93 1.1 18	99 -5.1 60	88 0.0 37	118 32.9 60	93 -1 18	90 -2 17	
PLS 190009 89831879 PLS19009		VEN 110002 PLS 150089	119 78	88 26	102 23	101 12	91 52	87 27	85 32	85 30	115 -0.63 79	114 -0.34 70	97 2 12	88 -1.5 26	102 1.5 23	93 3 20	88 -2.2 13	98 7 5	94 1.6 6	86 5.0 60	79 2.1 37	115 31.3 60	105 5 6	103 8 6	
PLS 190025 89831986 PLS19025		VEN 110002 PLS 140069	114 79	86 23	95 24	108 11	79 52	74 27	78 31	74 29	133 -1.51 80	98 0.11 73	94 -1 11	86 -2.4 23	95 -0.2 24	86 -12 19	89 -1.7 16			87 4.4 59	56 7.4 37	117 32.6 60			
PLS 190030 89832026 PLS19030		CS 120079 PLS 100071	105 79	98 45	90 37	104 25	123 52	116 35	107 44	111 40	101 0.06 80	114 -0.35 73	95 0 25	98 1.8 45	90 -1.3 37	91 -1 36	97 2.5 28	98 8 11	101 4.2 14	98 -4.5 58	133 -10.6 40	108 27.5 59	90 -3 14	97 3 14	
PLS 190058 89832265 PLS19058		CS 120079 PLS 130094	83 79	106 41	90 35	103 26	107 52	104 34	108 42	106 38	82 1.01 80	108 -0.16 72	96 1 26	106 4.8 41	90 -1.3 35	98 14 34	102 4.9 24	100 12 13	100 3.9 15	94 -1.1 59	108 -4.8 41	108 27.5 57	92 -2 16	98 3 15	
PLS 190093 89832331 PLS19093		VEN 110002 PLS 150109	109 79	96 26	97 24	111 13	93 52	94 28	99 32	96 30	112 -0.47 80	82 0.57 73	91 -3 13	96 1.2 26	97 0.3 24	98 13 21	98 3.0 19	88 -14 9	82 -3.2 10	103 -9.1 61	72 3.8 37	117 32.5 59	88 -4 11	90 -3 10	
PLS 190097 89832364 PLS19097		VEN 110002 PLS 150100	112 77	80 23	88 24	108 15	92 52	80 28	75 31	76 30	137 -1.72 79	107 -0.14 68	94 -1 15	80 -4.3 23	88 -1.7 24	76 -35 21	81 -6.0 16	92 -6 9	87 -1.1 10	95 -1.8 60	70 4.1 38	122 34.8 59	94 -1 11	94 0 10	
PLS 200007 92027069 20 007	25	AZ 130022 PLS 170041	82 78	100 16			128 38				80 1.10 80	110 -0.22 70		100 2.7 16						123 -25.0 54	126 -9.0 13	111 28.9 47			

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Index EBV Acc	% Inbreeding	Sire ID	Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																									
PLS 200010 92027085 20 010		AZ 130022 PLS 170072		59 76	124 43	108 35	100 25	119 49	127 33	138 41	134 37	59 2.17 78	60 1.19 69	98 3	124 11.1 43	108 2.8 35	127 77 34	126 16.6 26	94 -2 12	95 1.8 15	107 -11.9 59	122 -8.0 35	107 27.1 54	91 -3 14	93 0 14
PLS 200012 92027101 20 012		AZ 130022 PLS 170082		119 75	88 38	100 32	103 22	104 49	97 31	90 38	93 34	118 -0.79 77	98 0.11 65	96 1	88 -1.8 38	100 1.0 32	91 -1 31	89 -1.9 22	93 -4 12	93 1.3 15	110 -14.4 59	92 -1.0 31	110 28.6 56	95 -1 14	93 0 14
PLS 200021 92026897 20 021		AZ 130022 PLS 170018		98 77	105 41	109 33	97 23	106 50	108 33	111 40	110 36	103 -0.03 79	75 0.75 69	100 5	105 4.3 41	109 3.2 33	111 43 32	108 7.6 25	98 8 18	93 1.1 22	112 -16.6 59	93 -1.2 35	112 29.7 55	96 0 22	96 2 21
PLS 200032 92026889 20 032		VEN 110002 PLS 140027		104 78	86 27	108 25	111 15	102 52	102 28	98 33	99 30	136 -1.67 79	65 1.04 70	90 -4	86 -2.3 27	108 2.8 25	99 17 22	92 -0.3 18	86 -20 15	93 1.1 18	105 -10.2 60	87 0.2 37	116 32.0 59	93 -1 18	90 -2 17
PLS 200036 92027325 20 036		VEN 110002 PLS 100071		122 80	87 29	100 26	109 13	106 53	103 29	95 34	98 32	125 -1.10 81	95 0.21 74	92 -2	87 -1.9 29	100 0.9 26	92 1 23	91 -0.8 20	90 -11 7	89 -0.5 9	109 -13.7 60	94 -1.4 38	113 30.3 60	92 -2 9	93 -1 9
PLS 200039 92027358 20 039		AZ 130022 PLS 170052		73 79	112 41	109 34	102 24	132 50	136 33	134 41	137 37	80 1.14 80	73 0.81 72	96 2	112 7.0 41	109 3.1 34	119 61 33	114 10.6 23	95 0 12	99 3.5 15	119 -22.0 59	133 -10.6 36	112 29.6 55	94 -1 14	96 2 14
PLS 200052 92027168 20 052		VEN 110002 PLS 080043		100 76	97 27	79 25	104 10	77 51	68 27	79 32	72 30	95 0.37 78	123 -0.60 67	96 1	97 1.7 27	79 -3.9 25	81 -24 21	92 -0.2 16	92 -5 7	92 0.6 8	75 14.7 60	73 3.4 34	100 23.4 58	96 0 8	96 2 8
PLS 200053 92027176 20 053		VEN 110002 PLS 130077		125 77	82 29	97 25	113 16	92 51	88 29	84 34	85 32	121 -0.92 79	110 -0.23 69	89 -6	82 -3.6 29	97 0.2 25	87 -11 23	81 -5.7 19	84 -24 15	92 0.8 17	104 -9.6 60	73 3.5 36	112 29.6 58	94 -1 18	90 -3 17
PLS 200063 92027275 20 063		VEN 110002 PLS 110048		119 74	91 31	92 27	101 13	87 49	80 28	83 34	80 31	117 -0.74 77	103 -0.03 62	97 2	91 -0.4 31	92 -0.8 27	87 -10 24	92 -0.3 22	90 -9 11	91 0.5 12	97 -3.7 60	77 2.6 31	104 25.3 57	92 -2 12	92 -1 12
PLS 200067 92039643 20 067		VEN 110002 PLS 130038		114 71	88 25	99 25	110 15	85 49	84 27	85 31	83 29	114 -0.55 75	98 0.10 53	92 -3	88 -1.8 25	99 0.7 25	92 1 22	87 -2.5 16	87 -18 15	93 1.2 17	104 -9.3 60	67 4.8 30	107 27.0 56	98 1 18	94 0 17
PLS 200072 92039692 20 072		T 090008 PLS 150078		85 78	101 46	99 25	115 17	84 54	89 32	102 41	95 36	88 0.71 79	87 0.43 71	87 -7	101 2.8 46	99 0.8 25	106 31 29	101 4.4 16	86 -19 9	82 -3.1 10	85 6.2 62	78 2.2 40	102 24.5 61	90 -3 10	87 -5 10
PLS 200082 92039775 20 082		VEN 110002 PLS 110073		103 78	95 30	96 26	97 15	93 52	86 29	87 34	85 32	102 0.03 79	104 -0.07 70	101 6	95 0.7 30	96 0.2 26	92 0 24	92 -0.3 21	92 -5 12	94 1.5 13	98 -4.9 61	77 2.5 36	114 30.6 59	95 -1 13	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																									
PLS 200083 92039783 20 083		T 090008 PLS 160069		89 75	96 48	104 28	109 18	94 52	95 33	99 42	97 38	90 0.64 77	100 0.05 63	93 -2 18	96 1.3 48	104 2.0 28	104 26 31	94 0.8 18	91 -8 16	88 -0.8 19	90 2.3 63	82 1.4 34	114 30.7 58	93 -2 19	91 -2 18
PLS 200084 92039791 20 084		T 090008 PLS 150100		82 75	96 46	94 26	117 18	88 53	88 32	98 41	93 36	81 1.08 77	107 -0.16 63	85 -9 18	96 1.0 46	94 -0.5 26	97 13 30	92 0.0 16	82 -29 9	80 -4.0 10	88 3.8 63	77 2.4 36	109 27.8 59	85 -5 11	84 -7 10
PLS 210007 93016467 PLS 210007		AZ 130022 PLS 180082		61 75	116 41	105 33	103 23	133 48	137 32	138 40	139 36	68 1.72 77	73 0.80 65	96 1 23	116 8.3 41	105 2.2 33	119 60 32	118 12.6 22	94 -2 7	98 3.1 12	126 -28.2 59	128 -9.4 32	116 31.6 54	92 -2 11	95 1 10
PLS 210009 93016483 PLS 210009		AZ 130022 PLS 180016		72 76	109 41	92 34	103 24	126 49	122 32	121 40	122 36	70 1.59 78	111 -0.26 69	96 1 24	109 5.8 41	92 -0.9 34	102 22 33	106 6.9 24	93 -3 12	94 1.6 15	121 -23.4 59	123 -8.3 35	111 29.1 54	88 -4 15	92 -1 14
PLS 210011 93016491 PLS 210011		AZ 130022 PLS 180029		85 74	102 36	104 30	99 22	110 46	108 30	108 36	108 33	88 0.71 76	86 0.44 62	99 4 22	102 3.3 36	104 2.0 30	105 30 29	103 5.3 20	91 -9 12	92 0.7 15	114 -17.8 56	98 -2.4 29	112 29.7 53	96 0 14	94 0 13
PLS 210021 92778562 PLS 210021		AZ 130022 PLS 180083		100 73	93 44	95 32	112 23	107 48	105 32	101 40	103 36	99 0.17 76	104 -0.05 59	90 -4 23	93 0.3 44	95 -0.3 32	94 5 33	93 0.4 23	83 -25 12	88 -0.9 15	108 -13.0 60	103 -3.5 30	106 26.1 53	86 -5 14	85 -7 14
PLS 210025 92778596 PLS 210025		AZ 130022 PLS 180034		75 76	104 44	105 32	112 22	117 50	122 33	122 41	123 37	78 1.21 78	88 0.39 69	89 -5 22	104 3.9 44	105 2.2 32	113 46 33	106 6.6 24	84 -23 12	85 -1.9 15	118 -21.4 59	113 -5.9 35	107 27.1 55	88 -4 14	86 -6 13
PLS 210031 92778638 PLS 210031		JSA 140064 PLS 140055		88 75	96 25	89 21	99 14	115 46	103 25	96 30	99 28	84 0.91 78	128 -0.73 61	100 5 14	96 1.2 25	89 -1.6 21	87 -11 20	93 0.4 18	91 -7 6	90 0.0 9	104 -10.0 58	108 -4.6 28	118 32.7 52	95 0 9	96 2 8
PLS 210034 92779008 PLS 210034		VEN 110002 PLS 160068		126 75	76 19	88 20	103 11	85 49	70 25	63 27	64 26	126 -1.15 77	130 -0.80 64	96 1 11	76 -5.9 19	88 -1.9 20	70 -46 17	74 -9.2 10	90 -10 5	90 -0.1 6	100 -6.5 59	62 6.0 31	115 31.0 57	99 1 6	96 2 6
PLS 210049 96946462 PLS 210049		GA 110105 PLS 100090		113 75	104 47	86 37	96 26	114 48	105 34	102 43	103 38	116 -0.68 77	77 0.69 64	103 8 26	104 4.1 47	86 -2.4 37	89 -5 37	104 5.6 34	103 19 30	99 3.4 35	110 -14.3 58	112 -5.7 31	107 27.0 56	87 -5 36	94 0 34
PLS 210053 96946397 PLS 210053		GA 110105 PLS 070025		125 75	93 48	92 40	97 28	103 48	93 35	88 44	90 40	121 -0.94 77	110 -0.23 63	101 6 28	93 0.1 48	92 -0.8 40	87 -11 39	94 0.5 36	106 24 31	92 0.8 35	107 -12.3 58	90 -0.4 31	112 29.9 56	90 -3 36	96 2 35
PLS 210068 93019180 PLS 210068		VEN 110002 PLS 160014		96 73	103 29	106 26	100 16	88 49	90 28	101 33	95 30	101 0.06 76	75 0.76 60	98 3 16	103 3.6 29	106 2.3 26	108 35 24	103 5.2 18	96 2 16	93 0.9 18	107 -12.0 60	66 5.0 31	111 28.9 56	98 1 19	96 2 18

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ID Number Name																								
PLS 210071 93019214 PLS 210071		VEN 110002 PLS 160018	116 74	81 26	93 23	106 13	85 50	75 27	73 31	72 29	135 -1.60 77	115 -0.38 61	94 0 13	81 -4.1 26	93 -0.7 23	80 -26 21	83 -5.0 14	99 10 15	99 3.6 17	104 -9.5 60	63 5.9 33	111 28.9 56	118 11 18	109 12 17
PLS 210072 93019271 PLS 210072		VEN 110002 PLS 160058	115 73	87 21	95 21	104 12	90 48	82 25	81 28	80 26	112 -0.47 76	108 -0.17 59	96 1 12	87 -2.0 21	95 -0.1 21	86 -11 18	87 -2.9 12	90 -11 9	91 0.2 10	107 -11.9 60	65 5.3 30	115 31.4 55	98 1 10	94 1 10
PLS 210080 93019263 PLS 210080		JSA 140064 PLS 110050	83 73	108 21	94 16	93 10	108 43	101 22	102 26	101 24	82 0.99 77	106 -0.11 55	105 10 10	108 5.3 21	94 -0.5 16	98 13 16	104 5.6 14		95 1.9 6	102 -8.1 57	105 -4.1 23	108 27.3 50	104 4 6	104 8 5
PLS 210083 93019313 PLS 210083		JSA 140064 PLS 150057	95 72	94 19	97 19	99 14	99 41	91 23	89 25	89 24	91 0.58 76	120 -0.50 53	99 4 14	94 0.4 19	97 0.4 19	92 1 17	93 0.3 14	91 -8 6	90 -0.2 8	103 -9.0 54	91 -0.7 20	107 26.7 49	96 0 8	96 2 8
PLS 210092 96946298 PLS 210092		GA 110105 PLS 140027	82 70	110 47	101 37	100 28	127 46	127 33	124 43	126 38	87 0.79 74	79 0.64 50	98 3 28	110 6.0 47	101 1.3 37	109 39 37	109 8.1 34	96 2 33	98 3.0 38	121 -24.1 58	119 -7.4 28	117 32.2 53	83 -6 39	87 -5 37
PLS 210103 93019396 PLS 210103		T 090008 PLS 080080	85 73	95 48	99 29	116 17	88 53	91 33	99 42	95 38	84 0.92 76	107 -0.14 60	86 -8 17	95 0.8 48	99 0.9 29	102 22 31	95 1.3 20	85 -22 8	79 -4.2 9	99 -5.3 63	81 1.6 35	100 23.1 60	91 -3 9	89 -4 9
PLS 220007 94616604 PLS 220007	25	VEN 110002 PLS 190100	103 71				83 37				145 -2.10 75	104 -0.07 53								102 -7.8 54	46 9.8 6	121 34.3 50		
PLS 220009 94616620 PLS 220009		VEN 110002 PLS 190082	107 70	95 26	96 25	104 14	76 43	73 25	83 30	77 28	104 -0.08 74	112 -0.28 50	95 0 14	95 0.7 26	96 0.1 25	94 4 22	95 1.0 15	99 9 6	95 1.9 7	90 1.8 48	65 5.3 29	99 22.5 52	100 2 7	102 6 7
PLS 220019 94616703 PLS 220019		AZ 130022 PLS 110002	84 73	104 41	105 34	109 25	107 44	112 31	115 39	114 35	89 0.65 76	78 0.68 58	92 -2 25	104 3.9 41	105 2.2 34	111 42 33	105 6.1 26	87 -18 18	94 1.6 22	114 -18.0 50	108 -4.9 31	96 20.8 52	91 -2 22	89 -3 21
PLS 220022 94616729 PLS 220022		AZ 130022 PLS 140055	95 74	95 41	89 33	108 24	123 48	115 32	104 40	109 36	91 0.55 77	115 -0.38 62	94 -1 24	95 0.7 41	89 -1.4 33	89 -7 33	94 0.8 24	88 -16 13	91 0.5 16	116 -19.4 59	111 -5.5 31	121 34.3 55	90 -3 15	91 -2 14
PLS 220033 94616802 PLS 220033		AZ 130022 PLS 110050	76 75	111 39	95 31	99 21	118 48	116 31	118 38	117 34	79 1.19 77	93 0.26 63	99 4 21	111 6.5 39	95 -0.2 31	104 28 30	108 7.9 22	95 1 11	96 2.3 14	112 -16.3 58	114 -6.2 30	112 29.4 55	99 1 14	99 4 13
PLS 220035 94616810 PLS 220035		AZ 130022 PLS 100054	91 73	101 42	99 36	95 25	105 44	99 32	98 40	98 36	88 0.70 76	112 -0.28 58	102 7 25	101 2.9 42	99 0.7 36	98 13 34	98 2.9 26	95 1 16	92 0.7 19	116 -19.2 50	111 -5.4 31	88 16.7 52	94 -1 18	93 -1 17

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ID Number Name																								
PLS 220042 94616869 PLS 220042	T 090008 PLS 160040		108 72	89 49	106 27	113 18	84 47	86 31	91 41	88 36	108 -0.28 75	97 0.15 57	88 -6 18	89 -1.4 49	106 2.3 27	101 20 31	90 -1.3 18	86 -18 15	84 -2.2 18	87 4.4 52	85 0.5 34	93 19.2 55	90 -3 18	88 -4 17
PLS 220061 94616976 PLS 220061	T 090008 PLS 140069		114 73	84 46	94 26	117 15	72 48	71 30	79 40	73 35	111 -0.42 76	111 -0.25 58	85 -9 15	84 -3.0 46	94 -0.3 26	88 -8 29	86 -3.5 16		83 7.7 54	65 5.2 35	96 20.9 56			
PLS 220081 94617248 PLS 220081	T 090008 PLS 150129		79 74	102 47	100 26	117 17	89 52	96 32	109 41	103 36	82 1.03 77	90 0.33 62	85 -9 17	102 3.3 47	100 1.1 26	109 39 30	102 4.7 16	87 -18 15	86 -1.4 18	97 -3.5 62	76 2.8 35	109 28.0 59	103 4 18	94 0 17
PLS 220084 94617115 PLS 220084	T 090008 PLS 070028		100 73	92 50	96 32	115 19	69 49	71 33	84 43	76 38	101 0.07 76	91 0.32 60	87 -7 19	92 -0.2 50	96 0.2 32	96 10 34	90 -1.4 24	83 -27 13	86 -1.5 14	73 16.5 54	75 2.9 36	84 14.7 58	89 -4 14	86 -5 14
PLS 220088 94617289 PLS 220088	AZ 130022 PLS 140081		65 72	109 40	101 34	109 24	99 44	104 31	114 39	109 35	67 1.76 75	96 0.17 55	92 -2 24	109 5.6 40	101 1.2 34	111 43 33	110 8.6 24	88 -15 13	89 -0.5 17	103 -8.8 49	101 -3.2 31	96 20.9 51	87 -4 16	89 -3 15
PLS 220096 94617214 PLS 220096	JSA 140064 PLS 170018		118 69	89 25	103 21	92 14	100 37	90 23	82 27	85 25	130 -1.35 74	100 0.04 45	106 10 14	89 -1.1 25	103 1.6 21	90 -3 20	92 -0.5 18	102 17 14	92 0.6 17	98 -4.4 44	96 -1.9 23	105 26.1 45	101 3 18	101 5 17
PLS 220100 94829314 PLS 220100	JSA 140064 PLS 170041		79 69	103 22	103 20	97 14	107 38	103 22	104 26	104 24	79 1.17 74	104 -0.06 45	101 5 14	103 3.7 22	103 1.6 20	104 27 19	103 5.0 14		92 0.6 7	101 -7.4 45	106 -4.2 24	105 26.1 45	96 0 7	96 2 6
PLS 220101 94829322 PLS 220101	JSA 140064 PLS 180082		83 72	105 24	100 21	96 14	124 43	119 24	113 28	116 26	84 0.89 76	96 0.17 54	102 7 14	105 4.5 24	100 1.0 21	103 24 20	106 6.7 14		110 -14.6 57	114 -6.2 24	123 35.4 48			
PLS 220102 94830502 PLS 220102	T 090008 PLS 160056		81 71	104 46	120 24	108 16	73 44	86 29	104 38	95 34	89 0.68 74	64 1.08 56	92 -2 16	104 4.0 46	120 5.7 24	124 71 29	108 7.6 13	91 -9 15	86 -1.7 17	85 5.8 47	71 4.0 31	91 18.2 54	97 0 18	93 0 17
PLS 230012 96838669 PLS 230012	JSA 140064 PLS 160069		79 70	110 25	105 23	90 15	104 38	102 23	105 28	103 26	80 1.13 75	97 0.13 45	108 12 15	110 6.2 25	105 2.2 23	108 36 21	106 6.9 18	103 19 15	96 2.4 18	94 -1.2 44	102 -3.3 23	108 27.6 46	102 3 19	102 6 18
PLS 230021 96838701 PLS 230021	JSA 140064 PLS 150100		90 72	101 21	92 21	98 14	105 44	97 24	97 27	97 26	87 0.75 76	110 -0.24 55	101 5 14	101 3.1 21	92 -0.9 21	93 4 19	97 2.4 18	94 -2 7	88 -0.7 9	80 10.1 56	94 -1.5 26	127 37.5 50	94 -1 10	94 1 9
PLS 230024 96838743 PLS 230024	UCP 190067 PLS 200083	1	106 69	98 33	106 25	98 16	106 40	104 26	102 32	102 29	109 -0.33 73	81 0.58 50	100 5 16	98 1.9 33	106 2.5 25	103 25 25	99 3.0 19	100 13 12	88 -1.0 15	84 7.0 52	96 -2.0 23	124 36.3 45	97 1 15	97 3 14

1

Breeding Values and Accuracies: Cows

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

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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																								
PLS 230034 96838933 PLS 230034	1	UCP 180021 PLS 140027	118 69	92 29	93 24	111 17	114 37	110 24	102 30	105 27	119 -0.80 74	89 0.36 45	91 -3 17	92 -0.2 29	93 -0.6 24	91 -2 23	90 -1.2 22	87 -17 18	97 2.5 22	101 -7.3 41	114 -6.1 26	109 28.2 45	87 -4 22	86 -6 21
PLS 230039 96839733 PLS 230039	1	UCP 180021 PLS 090044	118 69	87 39	80 28	102 17	97 38	82 27	77 35	77 31	131 -1.40 74	107 -0.14 46	97 2 17	87 -2.1 39	80 -3.6 28	72 -42 28	85 -3.7 29	88 -15 17	90 -0.2 19	91 1.2 41	104 -3.7 26	95 20.5 47	83 -6 19	84 -7 18
PLS 230040 96839741 PLS 230040		UCP 180021 PLS 170072	89 68	108 31	90 26	101 17	103 37	99 25	106 31	103 28	91 0.54 73	86 0.44 42	98 3 17	108 5.5 31	90 -1.3 26	98 15 25	106 6.6 22	97 4 13	96 2.4 15	94 -1.4 40	106 -4.3 26	101 23.8 44	90 -3 15	93 0 15
PLS 230041 96839758 PLS 230041		UCP 180021 PLS 120002	120 68	89 22	88 18	105 11	101 32	92 20	87 24	88 22	116 -0.68 73	113 -0.31 45	95 0 11	89 -1.1 22	88 -1.7 18	83 -19 17	85 -3.6 17	93 -3 12	95 2.0 14	91 1.1 32	103 -3.6 21	104 25.2 43	93 -1 15	94 0 14
PLS 230051 96838990 PLS 230051		UCP 180057 PLS 190058	114 68	95 27	90 23	103 16	106 36	98 23	95 28	96 26	112 -0.48 74	101 0.01 40	96 1 16	95 1.0 27	90 -1.4 23	88 -7 22	93 0.1 18	99 9 13	98 3.0 15	98 -4.8 40	104 -3.8 26	107 27.1 43	92 -2 15	95 1 15
PLS 230077 96839170 PLS 230077		UCP 180057 PLS 200039	69 68	113 26	99 22	102 14	118 36	119 23	124 27	122 25	71 1.54 73	93 0.25 40	96 2 14	113 7.2 26	99 0.8 22	111 43 21	109 8.1 17	96 4 12	97 2.8 15	111 -15.3 40	116 -6.7 25	109 28.2 42	93 -1 15	94 1 14
PLS 230083 96839378 PLS 230083	1	UCP 180057 PLS 110003	104 69	94 30	95 24	110 17	95 37	94 24	95 30	94 27	102 0.01 74	104 -0.05 45	92 -3 17	94 0.4 30	95 -0.1 24	94 5 24	88 -2.0 23	88 -15 18	95 1.8 21	104 -10.0 41	94 -1.4 25	96 20.9 46	91 -2 22	88 -4 21
PLS 230086 96839402 PLS 230086		UCP 180057 PLS 200036	114 68	94 22	94 19	106 11	105 37	101 21	97 25	98 23	113 -0.50 73	100 0.06 41	94 0 11	94 0.4 22	94 -0.3 19	92 0 17	92 -0.1 16	94 -2 12	92 0.8 14	106 -11.1 41	97 -2.1 25	110 28.5 44	92 -2 14	93 -1 14
PLS 240005 98120157 PLS 240005		UCP 190067 PLS 210080	88 66	108 26	99 22	92 15	105 33	101 22	103 27	101 24	90 0.64 72	95 0.19 36	106 10 15	108 5.4 26	99 0.7 22	102 22 21	105 6.3 19	105 22 11	91 0.4 12	90 1.7 39	108 -4.8 20	106 26.3 39	103 3 13	104 8 12
PLS 240009 98120181 PLS 240009	1	UCP 190067 PLS 210053	113 66	99 33	98 29	94 19	102 34	96 25	94 31	94 28	113 -0.53 72	96 0.15 38	104 9 19	99 2.3 33	98 0.6 29	95 8 27	99 3.3 24	108 29 17	90 -0.1 20	93 -0.5 40	100 -2.9 21	108 27.6 41	96 0 21	100 5 19
PLS 240010 98120199 PLS 240010		UCP 180021 PLS 180037	104 67	95 27	88 23	107 15	91 36	85 23	89 28	86 26	102 0.04 72	110 -0.23 40	94 -1 15	95 0.9 27	88 -1.9 23	87 -9 22	92 -0.2 19	92 -6 13	92 0.8 16	86 5.1 40	88 0.0 25	104 25.3 43	89 -4 16	89 -3 15
PLS 240018 98120561 PLS 240018		UCP 190067 PLS 210072	114 66	94 26	100 24	97 16	96 35	90 23	88 28	88 26	114 -0.58 72	94 0.22 37	101 6 16	94 0.5 26	100 0.9 24	94 4 22	94 0.8 18	100 12 11	89 -0.5 13	93 -0.2 41	88 -0.1 22	110 28.3 41	100 2 14	99 4 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																								
PLS 240019 98120579 PLS 240019		UCP 180057 PLS 190097	125 67	88 20	89 19	105 11	98 37	89 21	85 24	86 22	124 -1.05 73	105 -0.08 38	95 0 11	88 -1.5 20	89 -1.6 19	82 -21 17	86 -3.3 15	95 1 12	91 0.5 14	99 -5.2 40	85 0.7 26	114 30.8 44	93 -1 15	93 0 14
PLS 240024 98120611 PLS 240024	1	UCP 190067 PLS 210084	111 66	101 32	97 27	94 18	103 34	97 24	96 30	96 27	111 -0.43 72	92 0.27 36	104 9 18	101 3.1 32	97 0.2 27	96 9 26	101 4.3 22	107 28 16	88 -0.7 19	94 -1.7 40	99 -2.8 20	108 27.7 41	93 -1 20	98 3 19
PLS 240030 98120660 PLS 240030		UCP 180057 PLS 180075	86 68	106 24	93 22	100 14	96 36	93 22	101 27	96 24	88 0.72 73	90 0.34 40	99 4 14	106 4.7 24	93 -0.7 22	99 15 20	101 4.2 19	94 -1 13	94 1.4 15	91 0.9 40	95 -1.7 24	103 25.0 43	94 -1 16	92 -1 15
PLS 240032 98120678 PLS 240032		UCP 180021 PLS 200010	82 66	110 28	95 24	102 15	106 35	106 23	113 28	109 26	86 0.82 72	83 0.54 38	97 2 15	110 6.0 28	95 -0.1 24	105 28 22	107 7.4 19	95 0 13	96 2.4 15	97 -4.1 39	107 -4.5 24	105 26.1 41	90 -3 15	91 -1 14
PLS 240044 98120710 PLS 240044		UCP 180057 PLS 200053	108 67	93 22	93 19	109 12	98 36	94 21	94 25	93 23	106 -0.16 73	108 -0.19 39	93 -2 12	93 0.2 22	93 -0.7 19	91 -2 18	89 -1.8 16	91 -9 13	94 1.4 16	103 -9.1 41	86 0.3 25	109 28.2 43	93 -1 16	91 -2 15
PLS 240046 98120892 PLS 240046	1	UCP 180021 PLS 190008	121 68	88 22	92 20	109 12	98 36	92 21	88 25	89 23	126 -1.16 73	96 0.17 40	93 -2 12	88 -1.6 22	92 -0.9 20	86 -13 18	87 -2.9 16	91 -9 13	96 2.1 16	93 -0.7 40	90 -0.5 25	111 29.0 43	92 -2 16	90 -2 15
PLS 240049 98120702 PLS 240049		UCP 180057 PLS 200036	106 68	96 22	94 19	106 11	105 37	102 21	100 25	100 23	105 -0.13 73	101 0.02 41	94 0 11	96 1.4 22	94 -0.3 19	94 5 17	94 0.9 16	94 -2 12	92 0.8 14	106 -11.1 41	97 -2.1 25	110 28.5 44	92 -2 14	93 -1 14
PLS 240052 98120900 PLS 240052		UCP 180057 PLS 160056	92 67	111 25	111 21	95 13	98 31	102 21	112 26	107 24	98 0.20 72	66 1.00 42	102 7 13	111 6.3 25	111 3.5 21	116 53 20	111 9.0 18	103 19 19	96 2.1 22	99 -5.4 32	92 -1.0 20	105 26.0 42	101 3 22	100 5 21
PLS 240055 98120918 PLS 240055		UCP 180021 PLS 180026	101 68	93 30	91 20	112 13	97 37	93 23	93 29	92 26	97 0.27 73	116 -0.40 41	91 -4 13	93 0.1 30	91 -1.1 20	90 -3 21	88 -2.4 17	88 -14 12	91 0.3 14	87 4.9 41	96 -2.0 27	105 25.9 44	90 -3 15	89 -3 14
PLS 240056 98120926 PLS 240056		UCP 180057 PLS 150109	113 69	97 27	89 23	110 14	101 37	98 23	99 28	98 26	114 -0.58 74	88 0.39 44	92 -2 14	97 1.5 27	89 -1.5 23	91 -2 21	96 1.7 23	91 -8 15	84 -2.2 17	103 -8.5 41	96 -2.0 26	104 25.4 45	84 -6 17	86 -6 16
PLS 240058 98120934 PLS 240058	1	UCP 190067 PLS 210068	79 67	111 27	105 25	95 16	95 35	97 23	108 28	102 26	83 0.97 73	83 0.52 38	102 7 16	111 6.6 27	105 2.1 25	111 43 23	109 8.2 19	103 18 12	90 -0.1 15	93 -0.3 41	89 -0.2 22	107 27.1 41	100 2 15	100 5 14
PLS 240070 98120769 PLS 240070	1	UCP 180021 PLS 110002	108 68	96 28	93 25	110 17	99 38	97 24	98 30	97 27	110 -0.37 73	88 0.38 46	92 -2 17	96 1.3 28	93 -0.5 25	94 6 23	94 0.7 22	90 -11 19	96 2.1 22	101 -6.9 41	95 -1.8 26	102 24.2 46	91 -3 22	89 -3 21

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Index EBV Acc																								
ID	% Inbreeding	Sire 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
PLS 240075		UCP 180021	87	105	88	104	111	106	108	107	86	103	96	105	88	95	102	97	100	101	108	111	91	95
98120819		PLS 180082	68	28	23	14	36	23	28	26	0.80	-0.03	1	4.5	-1.9	7	4.5	5	3.7	-7.2	-4.8	29.3	-2	1
PLS 240075											73	41	14	28	23	22	17	9	12	40	25	43	13	12
PLS 240081	1	UCP 180021	96	103	96	103	113	110	110	110	98	89	96	103	96	100	101	95	99	103	112	108	92	93
98298011		PLS 200039	67	27	23	15	35	23	28	26	0.24	0.36	1	3.8	0.0	19	4.3	1	3.3	-9.1	-5.8	27.3	-2	0
PLS 240081											72	40	15	27	23	22	18	12	15	39	24	42	15	14
PLS 240082	1	UCP 180021	109	96	90	104	101	95	94	94	107	103	95	96	90	89	93	96	102	93	104	101	93	95
98298029		PLS 180010	68	27	23	16	35	23	28	26	-0.25	-0.03	1	1.3	-1.4	-5	0.1	3	4.6	-0.4	-3.9	23.5	-1	1
PLS 240082											73	41	16	27	23	22	18	14	17	38	25	43	17	16
PLS 250020		UCP 200086	123	80	97	107	113	104	87	94	125	102	94	80	97	83	82	89	92	106	105	116	91	89
6020242217		PLS 220022	63	28	24	17	33	23	28	26	-1.14	0.01	-1	-4.3	0.3	-19	-5.2	-13	0.7	-11.2	-4.0	31.8	-2	-4
PLS 250020											69	35	17	28	24	23	18	11	13	39	21	38	13	13
PLS 250024		UCP 190067	116	95	96	98	97	90	89	89	115	96	100	95	96	92	94	101	87	87	90	113	98	99
99745002		PLS 190097	67	26	24	16	36	23	28	26	-0.65	0.16	5	0.8	0.1	0	0.7	14	-1.1	4.8	-0.6	30.0	1	4
PLS 250024											72	41	16	26	24	22	19	12	13	41	25	43	14	13
PLS 250027	1	UCP 190067	116	95	104	101	118	115	106	110	120	76	97	95	104	100	96	94	91	97	123	109	93	92
99745028		PLS 140027	69	33	28	20	38	26	33	30	-0.88	0.72	2	0.8	1.9	18	1.9	-1	0.5	-3.5	-8.4	28.3	-1	-1
PLS 250027											73	47	20	33	28	27	24	18	21	42	26	45	22	21
PLS 250029		UCP 190067	91	101	104	105	97	99	104	102	94	86	95	101	104	107	103	94	81	85	102	101	93	93
99745036		PLS 180034	68	36	26	17	38	26	33	30	0.41	0.46	0	3.1	2.0	34	5.3	0	-3.4	6.5	-3.3	23.8	-2	-1
PLS 250029											72	45	17	36	26	26	23	11	13	42	27	44	13	13
PLS 250033		UCP 190067	74	110	104	99	102	104	113	109	77	88	98	110	104	112	109	97	88	83	111	102	93	95
99745077		PLS 180008	67	31	27	19	36	25	31	28	1.25	0.39	3	6.3	2.0	45	8.4	4	-0.8	7.6	-5.5	24.1	-1	1
PLS 250033											72	43	19	31	27	26	21	12	15	42	25	42	15	14
PLS 250034		UCP 190067	106	81	96	96	94	79	72	73	141	101	102	81	96	80	83	100	89	90	86	109	100	100
99745085		PLS 210034	67	25	23	15	35	22	27	24	-1.93	0.03	6	-4.1	0.0	-26	-5.0	12	-0.6	2.4	0.3	28.1	2	5
PLS 250034											73	39	15	25	23	21	18	11	13	41	23	42	13	12
PLS 250038		UCP 190067	99	101	103	96	97	94	97	95	99	101	102	101	103	102	99	104	91	83	95	109	103	103
99930885		PLS 190009	68	27	24	16	36	23	29	26	0.18	0.03	6	2.9	1.7	22	3.3	20	0.3	8.2	-1.7	28.3	4	8
PLS 250038											73	41	16	27	24	22	18	11	13	41	25	43	13	12
PLS 250040	1	UCP 190067	95	109	103	91	104	101	104	102	97	86	108	109	103	105	108	108	92	91	106	105	101	101
99930927		PLS 160029	68	32	28	16	34	24	31	28	0.25	0.45	12	5.9	1.6	30	7.5	29	0.6	1.3	-4.3	26.0	2	6
PLS 250040											73	44	16	32	28	25	20	16	20	39	22	42	20	19
PLS 250041		UCP 190067	106	99	100	94	98	92	92	91	106	93	104	99	100	97	97	101	91	89	94	109	98	99
99930935		PLS 200082	68	28	25	16	36	24	29	26	-0.19	0.25	8	2.2	1.0	11	2.4	14	0.2	3.3	-1.4	27.9	1	4
PLS 250041											73	43	16	28	25	23	20	11	13	42	24	43	14	13

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ID Number Name																								
PLS 250043	99930950	UCP 180057 PLS 210011	91 67	102 25	97 21	101 14	107 34	103 22	105 26	104 24	91 0.55 73	96 0.16 35	98 3 14	102 3.4 25	97 0.2 21	99 17 20	99 3.4 16	94 -1 12	94 1.4 15	108 -13.2 39	99 -2.6 22	109 28.2 41	94 -1 15	93 0 14
PLS 250044	99930968	UCP 180057 PLS 170015	106 69	105 28	94 23	94 14	109 36	103 23	102 29	102 26	107 -0.20 74	94 0.23 43	104 9 14	105 4.2 28	94 -0.4 23	96 9 22	101 4.2 20	106 26 19	98 3.0 22	107 -11.7 40	106 -4.4 25	106 26.7 44	100 2 23	101 6 22
PLS 250046	99930984	UCP 180057 PLS 150100	109 69	95 25	82 23	105 16	106 38	96 23	93 28	94 26	106 -0.17 74	113 -0.32 44	95 0 16	95 0.9 25	82 -3.1 23	82 -20 21	89 -1.7 20	94 -1 15	90 -0.1 17	97 -3.9 42	97 -2.2 27	116 31.6 45	90 -3 17	91 -2 16
PLS 250055	99934283	UCP 180057 PLS 180010	93 68	102 27	93 22	103 15	106 36	102 23	104 28	103 26	92 0.53 73	104 -0.07 41	96 1 15	102 3.3 27	93 -0.7 22	97 12 21	98 2.6 18	97 6 14	101 4.2 17	100 -6.6 39	108 -4.8 25	102 24.4 43	94 -1 17	96 2 16
PLS 250057	99934309	1UCP 180057 PLS 120044	95 69	100 29	91 26	112 16	104 37	103 24	105 30	104 27	97 0.28 74	91 0.29 45	90 -4 16	100 2.4 29	91 -1.1 26	96 9 24	94 0.9 22	86 -18 19	97 2.5 22	105 -10.8 41	104 -3.9 25	99 22.7 46	87 -5 23	85 -6 22
PLS 250059	99934325	UCP 180057 PLS 150078	90 69	109 24	89 22	102 15	98 38	96 23	106 27	101 25	91 0.57 74	94 0.21 44	97 2 15	109 5.8 24	89 -1.7 22	98 15 20	105 6.1 20	99 8 15	92 0.7 17	93 -0.8 41	96 -1.9 27	105 26.1 45	94 -1 17	93 0 16
PLS 250061	99934333	UCP 180057 PLS 180082	101 68	100 27	91 23	103 14	117 36	111 23	106 28	108 26	101 0.08 73	98 0.11 42	96 1 14	100 2.6 27	91 -1.1 23	93 4 21	99 3.0 17	98 8 9	99 3.2 12	109 -13.4 41	112 -5.7 25	113 30.2 43	93 -2 13	96 2 12
PLS 250062	99934341	UCP 180057 PLS 190093	116 68	94 21	93 19	108 11	99 36	95 21	95 25	95 23	117 -0.71 73	91 0.31 41	94 -1 11	94 0.5 21	93 -0.6 19	91 -1 17	94 0.5 16	93 -3 12	89 -0.5 14	103 -8.8 41	86 0.5 25	112 29.6 43	90 -3 15	91 -2 14
PLS 250064	99934358	UCP 180057 PLS 190030	98 68	101 28	90 23	103 15	114 36	108 23	105 29	106 26	96 0.32 73	111 -0.24 41	96 1 15	101 2.8 28	90 -1.4 23	93 3 22	97 2.2 19	98 8 13	98 3.1 15	100 -6.5 40	116 -6.7 26	107 27.1 43	91 -2 15	95 1 14
PLS 250066	99934374	UCP 180057 PLS 110002	104 69	98 28	97 24	109 17	104 38	104 24	104 30	103 27	106 -0.16 74	87 0.41 46	93 -2 17	98 1.9 28	97 0.2 24	98 14 23	96 1.7 22	91 -8 19	95 1.7 22	108 -13.1 42	99 -2.7			

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ID Number Name																								
PLS 250074		UCP 190067	103	100	102	98	104	101	101	101	104	91	100	100	102	101	100	100	88	94	102	109	97	98
99934432		PLS 200036	68	28	25	16	36	24	29	26	-0.10	0.31	4	2.7	1.4	21	3.9	11	-0.8	-1.1	-3.4	27.8	0	4
PLS 250074											73	43	16	28	25	23	20	11	13	41	25	43	13	13
PLS 250075		UCP 200086	92	96	102	100	114	109	103	106	92	99	98	96	102	99	96	94	95	103	106	117	95	93
99947749		PLS 220101	64	22	20	14	31	20	24	22	0.49	0.09	3	1.4	1.5	17	1.6	-1	1.8	-8.7	-4.3	32.3	-1	0
PLS 250075											71	32	14	22	20	19	16	9	11	38	19	36	11	11
PLS 250077	1	UCP 190067	90	115	118	90	97	103	113	109	97	56	107	115	118	122	117	109	92	87	97	104	106	105
99934457		PLS 160056	67	30	26	17	31	23	29	26	0.28	1.29	12	7.7	5.2	67	12.1	32	0.6	4.6	-2.3	25.3	5	9
PLS 250077											72	44	17	30	26	24	20	17	20	32	19	41	21	20
PLS 250080		UCP 190067	108	99	99	98	91	88	93	89	109	93	100	99	99	98	99	102	86	83	83	111	98	100
99937294		PLS 190025	68	26	24	15	36	23	28	26	-0.30	0.26	5	2.4	0.9	14	3.5	17	-1.6	7.9	1.0	28.9	1	5
PLS 250080											73	43	15	26	24	22	18	10	12	41	25	43	13	12
PLS 250083		UCP 190067	119	92	100	100	97	92	90	90	118	95	98	92	100	94	91	97	90	91	92	108	98	97
99934507		PLS 200053	68	27	24	16	36	23	28	26	-0.79	0.19	3	-0.3	1.1	5	-0.6	5	-0.2	0.9	-1.0	27.4	1	2
PLS 250083											73	41	16	27	24	22	20	13	15	41	25	42	15	15
PLS 250087		UCP 190067	93	104	102	95	110	107	105	106	92	102	102	104	102	103	101	103	92	88	116	108	101	101
99934515		PLS 180038	68	31	27	18	36	25	31	28	0.52	-0.01	7	3.9	1.6	25	4.4	18	0.7	4.0	-6.7	27.3	2	6
PLS 250087											73	43	18	31	27	25	20	12	14	41	25	42	14	14
PLS 250093		UCP 200086	91	99	100	102	111	107	105	106	91	97	96	99	100	100	96	93	94	104	106	111	96	92
99947731		PLS 220033	65	27	23	16	32	22	27	24	0.55	0.15	2	2.1	0.9	17	2.0	-4	1.7	-9.6	-4.3	29.3	0	-1
PLS 250093											71	36	16	27	23	22	18	11	13	39	20	38	13	12
PLS 250097		PLS 230021	80	102	93	101	89				77	115	98	102	93	96	98		90	89	96	90	96	
99934556			62	11	11	7	22				1.25	-0.37	3	3.5	-0.7	9	2.6		0.1	2.6	-1.9	17.7	0	
PLS 250097											69	28	7	11	11	10	8		5	28	13	25	5	

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	PLS 220023	PLS 220023	AZ 130022	PLS 100059	0.4	95 73	98 43	102 34	104 24	120 46	118 32	111 40	114 36
2	PLS 230014	PLS 230014	UCP 190067	PLS 200010	0.3	78 67	114 32	106 27	95 19	111 35	112 25	118 31	116 28
3	PLS 240026	PLS 240026	UCP 190067	PLS 210025	0.2	82 67	107 32	105 27	100 18	110 35	110 25	113 31	112 28
4	PLS 240042	PLS 240042	UCP 180057	PLS 140027	0.7	107 69	96 28	96 24	110 16	119 38	117 24	109 29	113 26
5	PLS 240079	PLS 240079	UCP 190067	PLS 210009	0.5	86 68	107 31	98 27	96 18	114 35	111 24	110 30	111 27
						★★★★							
1	PLS 170013	PLS17013	CS 120079	PLS 090047	0.1	80 73	114 50	100 37	91 25	102 45	100 33	107 44	103 38
2	PLS 200001	20 001	AZ 130022	PLS 170089	0.0	65 70	113 42	109 32	108 22	93 43	102 30	118 38	111 34
3	PLS 210017	PLS 210017	AZ 130022	PLS 180026	0.2	89 71	96 42	103 31	111 23	105 43	106 30	105 39	106 34
4	PLS 220057	PLS 220057	JSA 140064	PLS 180025	0.3	82 69	106 23	100 21	96 15	104 38	101 23	105 27	103 25
5	PLS 220093	PLS 220093	AZ 130022	PLS 150078	0.3	67 73	116 39	97 33	102 23	102 44	104 30	118 38	112 34
6	PLS 220098	PLS 220098	AZ 130022	PLS 160051	0.5	101 72	99 40	101 32	107 23	105 42	106 30	106 38	106 34
7	PLS 230025	PLS 230025	UCP 190067	PLS 190030	0.4	116 68	97 32	97 28	97 19	113 36	106 25	98 32	102 28
8	PLS 230079	PLS 230079	JSA 140064	PLS 170017	0.2	69 70	111 25	101 21	95 15	107 38	105 23	110 28	108 26
9	PLS 240015	PLS 240015	UCP 180021	PLS 170052	0.7	102 68	102 29	94 24	102 16	113 37	109 24	107 29	108 26
10	PLS 240028	PLS 240028	UCP 180057	PLS 170050	0.3	87 68	105 26	92 22	104 14	105 37	102 23	107 28	105 26
11	PLS 240037	PLS 240037	UCP 180057	PLS 120002	0.2	101 68	97 21	92 17	104 11	107 33	100 20	98 24	99 22
12	PLS 240048	PLS 240048	UCP 190067	PLS 210049	1.4	86 67	113 33	95 28	93 18	108 34	104 25	109 31	107 28
13	PLS 240050	PLS 240050	UCP 180021	PLS 190030	0.7	106 68	98 29	86 24	104 16	108 36	101 24	98 29	99 26
14	PLS 240057	PLS 240057	UCP 180057	PLS 180008	0.4	85 68	104 27	97 22	108 15	104 37	104 23	108 28	106 26
15	PLS 240064	PLS 240064	UCP 180057	PLS 180038	0.4	93 68	101 26	95 22	101 14	111 37	106 23	105 28	105 26
16	PLS 240076	PLS 240076	UCP 180021	PLS 170041	0.4	106 68	95 26	92 22	106 15	106 37	100 23	97 28	98 26
17	PLS 240077	PLS 240077	UCP 180021	PLS 180017	0.4	110 68	96 27	94 23	102 14	108 36	102 23	99 28	100 26
18	PLS 240078	PLS 240078	UCP 180057	PLS 100071	0.6	128 70	87 31	88 25	108 14	116 39	107 25	93 31	99 28
19	UCP 190067	0067	GA 120155	UCP 090008	0.4	98 78	107 47	104 42	91 29	102 51	100 36	101 45	100 40
						★★★★							

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	PLS 190061	PLS19061	T 090008	PLS 100059	0.0	81 73	94 49	103 27	116 17	92 50	95 32	101 42	98 37
2	PLS 190079	PLS19079	CS 120079	PLS 130082	0.2	86 72	111 41	96 35	102 24	98 44	99 31	111 39	105 35
3	PLS 210033	PLS 210033	GA 110105	PLS 100055	0.5	98 70	110 48	90 38	90 27	107 41	99 32	101 42	100 37
4	PLS 210076	PLS 210076	JSA 140064	PLS 090047	0.1	82 71	108 35	102 23	87 13	95 40	90 25	94 32	91 28
5	PLS 210086	PLS 210086	GA 110105	PLS 140081	0.3	105 70	100 45	97 37	99 28	98 41	94 32	97 41	95 36
6	PLS 220039	PLS 220039	T 090008	PLS 100071	0.0	100 73	86 49	97 28	118 16	92 49	91 31	92 42	91 36
7	PLS 220086	PLS 220086	JSA 140064	PLS 180034	0.0	67 69	109 29	105 19	104 11	94 39	98 23	110 29	104 26
8	PLS 220105	PLS 220105	JSA 140064	PLS 180026	0.2	98 69	92 27	102 18	102 12	98 39	93 23	91 28	91 26
9	PLS 230019	PLS 230019	UCP 190067	PLS 200053	0.3	116 68	93 27	100 24	100 16	97 36	92 23	91 28	91 26
10	PLS 230031	PLS 230031	UCP 190067	PLS 180015	0.1	87 68	104 33	99 25	100 17	95 37	94 25	101 32	97 28
11	PLS 230046	PLS 230046	UCP 180021	PLS 190008	0.6	117 68	87 22	92 20	109 12	98 36	91 21	86 25	87 23
12	PLS 230060	PLS 230060	UCP 180057	PLS 170082	0.3	101 69	97 23	94 21	102 12	95 37	90 22	94 26	91 24
13	PLS 230091	PLS 230091	UCP 180057	PLS 190093	0.2	94 68	102 21	93 19	108 11	99 36	98 21	103 25	100 23
14	PLS 240017	PLS 240017	UCP 180021	PLS 200021	0.5	94 66	105 27	96 23	100 15	100 35	98 23	104 28	101 26
15	PLS 240020	PLS 240020	UCP 180057	PLS 190009	0.1	110 67	94 21	95 19	102 10	98 36	92 21	92 25	92 23
16	PLS 240036	PLS 240036	UCP 180057	PLS 160029	0.2	120 68	95 27	95 23	96 13	105 35	96 22	92 28	93 25
17	PLS 240054	PLS 240054	UCP 180021	PLS 160051	0.6	112 68	97 26	89 21	107 14	97 35	93 22	94 27	93 24
18	PLS 240065	PLS 240065	UCP 180057	PLS 170018	0.3	117 69	97 28	95 22	98 14	104 36	97 23	95 28	96 26
19	PLS 240068	PLS 240068	UCP 180057	PLS 200082	0.1	111 67	94 23	93 19	100 11	99 37	91 21	90 26	89 24
20	PLS 240071	PLS 240071	UCP 180021	PLS 170015	0.3	111 68	103 28	91 24	94 15	104 36	96 23	97 29	96 26
21	PLS 240087	PLS 240087	UCP 180057	PLS 150129	0.5	102 69	104 27	90 22	106 15	101 37	99 23	104 28	102 26
22	PLS 240089	PLS 240089	UCP 180057	PLS 110003	0.7	123 69	86 30	95 24	110 17	95 37	91 24	86 30	87 27
23	PLS 240091	PLS 240091	UCP 180021	PLS 190058	0.7	112 68	96 27	86 23	104 16	100 36	93 23	93 28	92 26
24	UCP 180057	0057	LEB 110375	UCP 080005	0.1	104 78	99 34	89 29	102 18	104 51	98 30	99 37	98 34
25	UCP 200086	0086	SW 160384	UCP 060054	0.1	114 59	83 37	104 34	107 25	104 45	99 30	88 37	92 34
						★★							
1	PLS 210041	PLS 210041	VEN 110002	PLS 170041	0.0	90 72	97 24	100 23	107 13	88 44	88 25	95 29	91 27

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	
					★★								
2	PLS 210059	PLS 210059	GA 110105	PLS 080043	0.1	101 70	107 47	82 37	95 26	91 42	83 32	91 41	86 36
3	PLS 210102	PLS 210102	VEN 110002	PLS 170050	0.0	100 72	97 24	97 23	107 13	82 43	81 24	90 29	85 26
4	PLS 210107	PLS 210107	VEN 110002	PLS 160069	0.0	121 72	93 27	103 25	96 15	85 44	81 26	84 31	81 28
5	PLS 220029	PLS 220029	VEN 110002	PLS 180017	0.0	104 70	95 25	103 23	103 13	90 43	89 25	94 29	90 27
6	PLS 220041	PLS 220041	T 090008	PLS 150109	0.0	93 73	94 47	98 26	119 17	77 48	81 31	95 40	88 36
7	PLS 220048	PLS 220048	VEN 110002	PLS 190058	0.0	100 71	97 25	95 24	105 14	83 43	80 25	89 29	83 27
8	PLS 220051	PLS 220051	JSA 140064	PLS 170022	0.1	86 68	109 24	102 21	90 14	90 37	87 22	95 27	91 24
9	PLS 230022	PLS 230022	JSA 140064	PLS 100054	0.0	118 71	90 27	98 25	90 16	98 40	86 25	77 30	79 28
10	PLS 230036	PLS 230036	UCP 180021	PLS 200067	0.4	116 51	91 22	91 20	108 12	89 35	84 20	86 24	84 22
11	PLS 230054	PLS 230054	UCP 180057	PLS 190025	0.1	123 68	91 20	92 19	105 10	92 36	86 20	87 24	85 22
12	PLS 240011	PLS 240011	UCP 180057	PLS 180083	0.1	121 68	87 32	86 21	112 13	96 37	89 23	86 30	86 26
13	PLS 240013	PLS 240013	UCP 180057	PLS 200052	0.2	113 67	95 21	84 19	103 10	90 36	82 21	85 24	82 22
14	PLS 240021	PLS 240021	UCP 180021	PLS 160039	0.7	114 67	101 29	92 25	97 15	95 35	89 23	93 29	90 26
15	PLS 240038	PLS 240038	UCP 180057	PLS 170082	0.3	119 68	90 23	94 21	102 12	95 37	88 22	87 26	86 24
16	PLS 240043	PLS 240043	UCP 180021	PLS 200072	0.1	95 66	100 29	91 20	111 13	89 37	88 23	97 28	92 26
17	PLS 240047	PLS 240047	UCP 180057	PLS 190025	0.1	112 68	95 20	92 19	105 10	92 36	87 20	91 24	88 22
18	PLS 240072	PLS 240072	UCP 180021	PLS 190093	0.2	120 67	93 22	90 20	108 11	93 36	89 21	90 25	88 23
19	UCP 180021	0021	LEB 110375	UCP 090053	0.3	117 75	95 36	83 31	104 19	93 49	84 30	86 37	84 34
						★★							
1	PLS 210048	PLS 210048	VEN 110002	PLS 170018	0.0	108 72	84 26	100 23	99 14	81 44	72 25	73 30	71 28
2	PLS 210093	PLS 210093	VEN 110002	PLS 160029	0.0	107 72	99 26	100 24	97 12	82 43	78 25	87 29	82 27
3	PLS 220026	PLS 220026	T 090008	PLS 130020	0.0	93 72	90 45	93 24	116 15	79 46	77 29	85 38	80 34
4	PLS 220028	PLS 220028	JSA 140064	PLS 170070	0.3	93 68	101 22	97 19	96 11	83 38	79 22	88 25	83 24
5	PLS 220040	PLS 220040	T 090008	PLS 130082	0.0	80 72	99 46	99 26	117 15	71 48	77 30	97 39	87 34
6	UCP 180014	0014	LEB 110375	UCP 040049	0.3	107 40	98 36	86 31	102 20	86 49	79 30	86 36	82 33
						★							

Selection List on Cow Value
Bulls 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	
						★								
1	PLS 200075	20 075	VEN 110002	PLS 070028	0.0	12273	9131	9230	10416	7047	6528	7534	6931	
2	PLS 210098	PLS 210098	VEN 110002	PLS 160008	0.0	11071	9426	9324	11015	6044	6025	7830	6828	

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
					★★★★★								
1	PLS 140027	PLS140027	FF 070104	PLS 100071	1.8	118 85	89 46	104 38	115 28	134 57	134 37	117 46	126 42
2	PLS 170052	PLS17052	CS 120079	PLS 100059	0.6	89 81	108 45	106 35	101 26	132 54	133 35	128 44	132 40
3	PLS 200039	20 039	AZ 130022	PLS 170052	0.4	73 79	112 41	109 34	102 24	132 50	136 33	134 41	137 37
4	PLS 210007	PLS 210007	AZ 130022	PLS 180082	0.3	61 75	116 41	105 33	103 23	133 48	137 32	138 40	139 36
					★★★★★								
1	PLS 180017	PLS18017	AZ 130022	PLS 150061	0.1	86 80	104 41	106 33	100 22	122 51	122 33	119 41	121 37
2	PLS 180082	PLS18082	CS 120079	PLS 140055	4.8	73 80	110 43	93 35	103 23	129 53	127 34	124 42	126 38
3	PLS 200010	20 010	AZ 130022	PLS 170072	0.2	59 76	124 43	108 35	100 25	119 49	127 33	138 41	134 37
4	PLS 210009	PLS 210009	AZ 130022	PLS 180016	0.2	72 76	109 41	92 34	103 24	126 49	122 32	121 40	122 36
5	PLS 210025	PLS 210025	AZ 130022	PLS 180034	0.0	75 76	104 44	105 32	112 22	117 50	122 33	122 41	123 37
6	PLS 210092	PLS 210092	GA 110105	PLS 140027	0.5	82 70	110 47	101 37	100 28	127 46	127 33	124 43	126 38
					★★★★★								
1	PLS 100071	PLS10071	CS 030092	PLS 040007	0.8	124 87	80 51	86 41	112 22	129 59	117 38	94 48	104 43
2	PLS 170015	PLS17015	MVN 100096	PLS 100055	0.1	103 81	112 44	99 36	87 23	115 53	110 34	107 43	108 38
3	PLS 170017	PLS17017	CS 120079	PLS 080033	0.6	85 81	106 45	97 35	101 26	119 53	116 35	115 44	116 40
4	PLS 170041	PLS17041	AZ 130022	PLS 140085	0.1	74 81	103 38	101 32	108 24	118 54	118 33	116 40	117 36
5	PLS 170072	PLS17072	CS 120079	PLS 060225	0.0	73 81	117 51	97 42	98 30	112 54	113 38	121 48	118 43
6	PLS 170085	PLS17085	CS 120079	PLS 050231	0.8	73 81	110 51	97 39	99 27	122 54	119 37	118 47	119 42
7	PLS 180025	PLS18025	CS 120079	PLS 130094	0.4	82 79	109 41	96 35	103 26	112 53	111 34	116 42	114 38
8	PLS 180038	PLS18038	AZ 130022	PLS 150089	0.2	88 80	100 41	101 33	100 23	118 52	114 33	108 41	111 37
9	PLS 190030	PLS19030	CS 120079	PLS 100071	0.4	105 79	98 45	90 37	104 25	123 52	116 35	107 44	111 40
10	PLS 220019	PLS 220019	AZ 130022	PLS 110002	0.3	84 73	104 41	105 34	109 25	107 44	112 31	115 39	114 35
11	PLS 220022	PLS 220022	AZ 130022	PLS 140055	0.3	95 74	95 41	89 33	108 24	123 48	115 32	104 40	109 36
12	PLS 220033	PLS 220033	AZ 130022	PLS 110050	0.4	76 75	111 39	95 31	99 21	118 48	116 31	118 38	117 34
13	PLS 220101	PLS 220101	JSA 140064	PLS 180082	0.0	83 72	105 24	100 21	96 14	124 43	119 24	113 28	116 26
14	PLS 230034	PLS 230034	UCP 180021	PLS 140027	1.2	118 69	92 29	93 24	111 17	114 37	110 24	102 30	105 27

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	
					★★★★☆								
15	PLS 230077	PLS 230077	UCP 180057	PLS 200039	0.4	69 68	113 26	99 22	102 14	118 36	119 23	124 27	122 25
16	PLS 240081	PLS 240081	UCP 180021	PLS 200039	0.6	96 67	103 27	96 23	103 15	113 35	110 23	110 28	110 26
					★★★								
1	PLS 110002	PLS110002	FF 070104	PLS 080080	0.1	98 86	98 44	104 38	113 29	104 58	109 37	111 46	110 42
2	PLS 120002	PLS120002		PLS 080033	0.0	108 79	90 26	94 18	106 13	109 41	102 24	93 29	97 26
3	PLS 120044	PLS12044	FF 070104	PLS 030019	0.7	97 85	96 47	93 44	118 29	103 56	105 38	107 47	106 42
4	PLS 160029	PLS16029	MVN 100096	PLS 090079	3.5	107 80	106 44	101 37	90 20	105 49	101 33	101 42	101 38
5	PLS 160040	PLS16040	MVN 100096	PLS 080001	0.5	115 82	92 49	104 36	98 26	112 52	106 35	98 45	101 40
6	PLS 160051	PLS16051	FF 070206	PLS 120002	0.5	109 82	97 39	95 30	109 21	101 49	100 31	101 39	100 35
7	PLS 160069	PLS16069	MVN 100096	PLS 070007	0.3	107 81	105 46	106 39	90 26	112 52	109 35	105 44	106 40
8	PLS 170050	PLS17050	AZ 130022	PLS 140069	0.0	76 80	109 39	96 33	106 23	105 53	106 33	113 40	110 36
9	PLS 180008	PLS18008	AZ 130022	PLS 150120	0.3	72 80	106 41	104 34	112 25	103 53	109 34	116 42	113 38
10	PLS 180010	PLS18010	CS 120079	PLS 140047	0.3	107 80	96 41	97 34	104 26	108 50	104 33	100 41	102 37
11	PLS 180014	PLS18014	AZ 130022	PLS 150100	0.2	88 80	101 39	90 34	106 24	109 53	105 33	105 41	105 37
12	PLS 180016	PLS18016	CS 120079	PLS 130105	0.8	76 80	112 43	88 38	103 27	112 54	109 36	115 44	113 40
13	PLS 190008	PLS19008	VEN 110002	PLS 140027	0.0	121 80	87 27	101 25	111 15	102 52	101 28	95 33	97 30
14	PLS 190058	PLS19058	CS 120079	PLS 130094	0.4	83 79	106 41	90 35	103 26	107 52	104 34	108 42	106 38
15	PLS 200021	20 021	AZ 130022	PLS 170018	0.2	98 77	105 41	109 33	97 23	106 50	108 33	111 40	110 36
16	PLS 200032	20 032	VEN 110002	PLS 140027	0.0	104 78	86 27	108 25	111 15	102 52	102 28	98 33	99 30
17	PLS 200036	20 036	VEN 110002	PLS 100071	0.0	122 80	87 29	100 26	109 13	106 53	103 29	95 34	98 32
18	PLS 210011	PLS 210011	AZ 130022	PLS 180029	0.0	85 74	102 36	104 30	99 22	110 46	108 30	108 36	108 33
19	PLS 210021	PLS 210021	AZ 130022	PLS 180083	0.1	100 73	93 44	95 32	112 23	107 48	105 32	101 40	103 36
20	PLS 210031	PLS 210031	JSA 140064	PLS 140055	0.0	88 75	96 25	89 21	99 14	115 46	103 25	96 30	99 28
21	PLS 210049	PLS 210049	GA 110105	PLS 100090	0.3	113 75	104 47	86 37	96 26	114 48	105 34	102 43	103 38
22	PLS 210080	PLS 210080	JSA 140064	PLS 110050	0.0	83 73	108 21	94 16	93 10	108 43	101 22	102 26	101 24
23	PLS 220088	PLS 220088	AZ 130022	PLS 140081	0.1	65 72	109 40	101 34	109 24	99 44	104 31	114 39	109 35
24	PLS 220100	PLS 220100	JSA 140064	PLS 170041	0.2	79 69	103 22	103 20	97 14	107 38	103 22	104 26	104 24

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	
					★★★★								
25	PLS 230012	PLS 230012	JSA 140064	PLS 160069	0.3	79 70	110 25	105 23	90 15	104 38	102 23	105 28	103 26
26	PLS 230024	PLS 230024	UCP 190067	PLS 200083	0.5	106 69	98 33	106 25	98 16	106 40	104 26	102 32	102 29
27	PLS 230086	PLS 230086	UCP 180057	PLS 200036	0.3	114 68	94 22	94 19	106 11	105 37	101 21	97 25	98 23
28	PLS 240005	PLS 240005	UCP 190067	PLS 210080	0.2	88 66	108 26	99 22	92 15	105 33	101 22	103 27	101 24
29	PLS 240032	PLS 240032	UCP 180021	PLS 200010	0.4	82 66	110 28	95 24	102 15	106 35	106 23	113 28	109 26
30	PLS 240049	PLS 240049	UCP 180057	PLS 200036	0.3	106 68	96 22	94 19	106 11	105 37	102 21	100 25	100 23
31	PLS 240052	PLS 240052	UCP 180057	PLS 160056	0.2	92 67	111 25	111 21	95 13	98 31	102 21	112 26	107 24
32	PLS 240075	PLS 240075	UCP 180021	PLS 180082	0.4	87 68	105 28	88 23	104 14	111 36	106 23	108 28	107 26
						★★★★☆							
1	PLS 150078	PLS150078	FB 070031	PLS 080045	0.2	82 84	116 35	88 32	101 24	93 56	93 34	111 40	102 37
2	PLS 150100	PLS150100	FB 070031	PLS 070219	0.1	98 82	97 36	76 35	109 26	108 57	97 35	94 41	95 38
3	PLS 150109	PLS150109	FB 070031	PLS 040014	0.6	105 82	100 43	89 35	114 23	98 55	99 35	105 43	102 39
4	PLS 150129	PLS150129	FF 070206	PLS 110066	0.4	107 81	105 43	91 34	110 24	97 54	99 34	108 43	104 38
5	PLS 160039	PLS16039	MVN 100096	PLS 070028	0.3	115 80	104 46	101 39	92 25	97 51	94 35	97 44	95 40
6	PLS 170018	PLS17018	MVN 100096	PLS 090013	0.4	109 81	89 44	101 34	94 24	104 52	94 34	87 43	89 38
7	PLS 180026	PLS18026	T 090008	PLS 100059	0.0	93 80	88 49	100 27	116 17	100 56	99 34	97 43	97 38
8	PLS 180034	PLS18034	T 090008	PLS 060223	0.0	83 81	97 54	105 31	119 17	92 57	99 36	108 46	104 41
9	PLS 190093	PLS19093	VEN 110002	PLS 150109	0.0	109 79	96 26	97 24	111 13	93 52	94 28	99 32	96 30
10	PLS 200012	20 012	AZ 130022	PLS 170082	0.2	119 75	88 38	100 32	103 22	104 49	97 31	90 38	93 34
11	PLS 200083	20 083	T 090008	PLS 160069	0.0	89 75	96 48	104 28	109 18	94 52	95 33	99 42	97 38
12	PLS 210053	PLS 210053	GA 110105	PLS 070025	0.0	125 75	93 48	92 40	97 28	103 48	93 35	88 44	90 40
13	PLS 210068	PLS 210068	VEN 110002	PLS 160014	0.0	96 73	103 29	106 26	100 16	88 49	90 28	101 33	95 30
14	PLS 210083	PLS 210083	JSA 140064	PLS 150057	0.0	95 72	94 19	97 19	99 14	99 41	91 23	89 25	89 24
15	PLS 210103	PLS 210103	T 090008	PLS 080080	0.0	85 73	95 48	99 29	116 17	88 53	91 33	99 42	95 38
16	PLS 220035	PLS 220035	AZ 130022	PLS 100054	0.1	91 73	101 42	99 36	95 25	105 44	99 32	98 40	98 36
17	PLS 220081	PLS 220081	T 090008	PLS 150129	0.0	79 74	102 47	100 26	117 17	89 52	96 32	109 41	103 36
18	PLS 220096	PLS 220096	JSA 140064	PLS 170018	0.1	118 69	89 25	103 21	92 14	100 37	90 23	82 27	85 25

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	
					★★★★								
19	PLS 230021	PLS 230021	JSA 140064	PLS 150100	0.3	90 72	101 21	92 21	98 14	105 44	97 24	97 27	97 26
20	PLS 230040	PLS 230040	UCP 180021	PLS 170072	0.3	89 68	108 31	90 26	101 17	103 37	99 25	106 31	103 28
21	PLS 230041	PLS 230041	UCP 180021	PLS 120002	0.4	120 68	89 22	88 18	105 11	101 32	92 20	87 24	88 22
22	PLS 230051	PLS 230051	UCP 180057	PLS 190058	0.4	114 68	95 27	90 23	103 16	106 36	98 23	95 28	96 26
23	PLS 230083	PLS 230083	UCP 180057	PLS 110003	0.7	104 69	94 30	95 24	110 17	95 37	94 24	95 30	94 27
24	PLS 240009	PLS 240009	UCP 190067	PLS 210053	1.2	113 66	99 33	98 29	94 19	102 34	96 25	94 31	94 28
25	PLS 240018	PLS 240018	UCP 190067	PLS 210072	0.1	114 66	94 26	100 24	97 16	96 35	90 23	88 28	88 26
26	PLS 240024	PLS 240024	UCP 190067	PLS 210084	1.3	111 66	101 32	97 27	94 18	103 34	97 24	96 30	96 27
27	PLS 240030	PLS 240030	UCP 180057	PLS 180075	0.4	86 68	106 24	93 22	100 14	96 36	93 22	101 27	96 24
28	PLS 240044	PLS 240044	UCP 180057	PLS 200053	0.3	108 67	93 22	93 19	109 12	98 36	94 21	94 25	93 23
29	PLS 240046	PLS 240046	UCP 180021	PLS 190008	0.6	121 68	88 22	92 20	109 12	98 36	92 21	88 25	89 23
30	PLS 240055	PLS 240055	UCP 180021	PLS 180026	0.4	101 68	93 30	91 20	112 13	97 37	93 23	93 29	92 26
31	PLS 240056	PLS 240056	UCP 180057	PLS 150109	0.3	113 69	97 27	89 23	110 14	101 37	98 23	99 28	98 26
32	PLS 240058	PLS 240058	UCP 190067	PLS 210068	0.5	79 67	111 27	105 25	95 16	95 35	97 23	108 28	102 26
33	PLS 240070	PLS 240070	UCP 180021	PLS 110002	0.8	108 68	96 28	93 25	110 17	99 38	97 24	98 30	97 27
34	PLS 240082	PLS 240082	UCP 180021	PLS 180010	0.6	109 68	96 27	90 23	104 16	101 35	95 23	94 28	94 26
						★★★							
1	PLS 110003	PLS110003	FF 070104	PLS 080007	3.2	117 85	78 50	101 37	115 30	87 55	84 37	81 47	81 42
2	PLS 170082	PLS17082	VEN 110002	PLS 070010	0.0	117 81	87 31	100 30	102 17	86 55	80 31	81 36	79 34
3	PLS 180015	PLS18015	T 090008	PLS 080045	0.0	80 81	101 48	95 26	113 16	87 56	89 33	100 43	94 38
4	PLS 180037	PLS18037	AZ 130022	PLS 150035	0.1	88 79	97 42	93 34	109 25	88 52	86 34	92 42	88 38
5	PLS 180075	PLS18075	SW 110225	PLS 070028	0.1	74 79	110 34	96 33	97 22	88 51	87 32	100 38	93 35
6	PLS 180083	PLS18083	T 090008	PLS 090043	0.0	91 79	91 55	83 30	118 18	88 55	83 35	89 46	85 40
7	PLS 190009	PLS19009	VEN 110002	PLS 150089	0.0	119 78	88 26	102 23	101 12	91 52	87 27	85 32	85 30
8	PLS 190097	PLS19097	VEN 110002	PLS 150100	0.0	112 77	80 23	88 24	108 15	92 52	80 28	75 31	76 30
9	PLS 200053	20 053	VEN 110002	PLS 130077	0.0	125 77	82 29	97 25	113 16	92 51	88 29	84 34	85 32
10	PLS 200063	20 063	VEN 110002	PLS 110048	0.0	119 74	91 31	92 27	101 13	87 49	80 28	83 34	80 31

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	
					★★								
11	PLS 200067	20 067	VEN 110002	PLS 130038	0.0	114 71	88 25	99 25	110 15	85 49	84 27	85 31	83 29
12	PLS 200072	20 072	T 090008	PLS 150078	0.0	85 78	101 46	99 25	115 17	84 54	89 32	102 41	95 36
13	PLS 200082	20 082	VEN 110002	PLS 110073	0.0	103 78	95 30	96 26	97 15	93 52	86 29	87 34	85 32
14	PLS 200084	20 084	T 090008	PLS 150100	0.0	82 75	96 46	94 26	117 18	88 53	88 32	98 41	93 36
15	PLS 210072	PLS 210072	VEN 110002	PLS 160058	0.0	115 73	87 21	95 21	104 12	90 48	82 25	81 28	80 26
16	PLS 220042	PLS 220042	T 090008	PLS 160040	0.0	108 72	89 49	106 27	113 18	84 47	86 31	91 41	88 36
17	PLS 220102	PLS 220102	T 090008	PLS 160056	0.0	81 71	104 46	120 24	108 16	73 44	86 29	104 38	95 34
18	PLS 230039	PLS 230039	UCP 180021	PLS 090044	0.5	118 69	87 39	80 28	102 17	97 38	82 27	77 35	77 31
19	PLS 240010	PLS 240010	UCP 180021	PLS 180037	0.4	104 67	95 27	88 23	107 15	91 36	85 23	89 28	86 26
20	PLS 240019	PLS 240019	UCP 180057	PLS 190097	0.1	125 67	88 20	89 19	105 11	98 37	89 21	85 24	86 22
						★★							
1	PLS 180028	PLS18028	SW 110225	PLS 060021	0.1	115 80	78 42	85 37	105 26	91 51	75 34	66 42	68 38
2	PLS 190025	PLS19025	VEN 110002	PLS 140069	0.0	114 79	86 23	95 24	108 11	79 52	74 27	78 31	74 29
3	PLS 210034	PLS 210034	VEN 110002	PLS 160068	0.0	126 75	76 19	88 20	103 11	85 49	70 25	63 27	64 26
4	PLS 210071	PLS 210071	VEN 110002	PLS 160018	0.0	116 74	81 26	93 23	106 13	85 50	75 27	73 31	72 29
5	PLS 220009	PLS 220009	VEN 110002	PLS 190082	0.0	107 70	95 26	96 25	104 14	76 43	73 25	83 30	77 28
6	PLS 220061	PLS 220061	T 090008	PLS 140069	0.0	114 73	84 46	94 26	117 15	72 48	71 30	79 40	73 35
7	PLS 220084	PLS 220084	T 090008	PLS 070028	0.0	100 73	92 50	96 32	115 19	69 49	71 33	84 43	76 38
						★							
1	PLS 200052	20 052	VEN 110002	PLS 080043	0.0	100 76	97 27	79 25	104 10	77 51	68 27	79 32	72 30

Selection List on Cow Value

Bull Calves younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
					★★★★☆								
1	PLS 250019	PLS 250019	UCP 180057	PLS 200010	0.3	64 66	123 27	98 23	101 15	112 35	117 23	130 28	125 26
2	PLS 250050	PLS 250050	UCP 180057	PLS 180017	0.3	94 68	102 26	98 22	101 14	113 36	110 23	109 27	110 25
3	PLS 250067	PLS 250067	UCP 180057	PLS 170052	0.3	98 69	103 28	98 23	102 15	118 37	115 24	113 29	114 26
4	PLS 250076	PLS 250076	UCP 190067	PLS 210009	0.5	85 68	108 31	98 27	96 18	114 35	111 24	111 30	111 27
5	PLS 250082	PLS 250082	UCP 180057	PLS 200039	0.4	86 68	107 26	99 22	102 14	118 36	117 23	117 27	118 25
						★★★							
1	PLS 250022	PLS 250022	UCP 180057	PLS 160069	0.4	104 68	103 28	98 24	95 16	108 36	103 23	102 29	102 26
2	PLS 250023	PLS 250023	UCP 190067	PLS 170072	0.1	99 67	106 34	101 30	95 20	107 37	105 26	106 33	105 30
3	PLS 250030	PLS 250030	UCP 180057	PLS 170085	0.3	89 69	104 30	93 24	101 16	113 37	109 24	108 30	108 27
4	PLS 250031	PLS 250031	UCP 180057	PLS 190008	0.4	108 68	95 21	95 19	108 11	103 36	100 21	98 25	99 23
5	PLS 250032	PLS 250032	UCP 180057	PLS 210031	0.2	94 67	99 21	89 18	100 11	110 34	101 20	98 24	99 22
6	PLS 250037	PLS 250037	UCP 190067	PLS 210025	0.2	91 68	103 32	105 27	100 18	110 35	109 25	110 31	110 28
7	PLS 250045	PLS 250045	UCP 190067	PLS 210049	1.4	108 67	105 33	95 28	93 18	108 34	102 25	101 31	101 28
8	PLS 250051	PLS 250051	UCP 180057	PLS 170017	0.3	110 69	97 28	93 23	102 15	111 37	105 24	100 29	102 26
9	PLS 250054	PLS 250054	UCP 190067	PLS 160040	1.1	105 69	103 34	104 28	94 19	107 35	104 25	103 32	104 28
10	PLS 250056	PLS 250056	UCP 190067	PLS 180016	0.5	81 68	111 32	96 28	97 19	107 37	105 26	110 32	108 29
11	PLS 250058	PLS 250058	UCP 180057	PLS 190058	0.4	100 68	100 27	90 23	103 16	106 36	100 23	101 28	100 26
12	PLS 250065	PLS 250065	UCP 180057	PLS 200032	0.4	118 67	92 21	98 19	108 11	103 37	101 21	98 25	99 23
13	PLS 250072	PLS 250072	UCP 180057	PLS 170041	0.3	82 69	104 25	95 22	105 14	111 37	109 23	110 27	110 25
14	PLS 250079	PLS 250079	UCP 190067	PLS 180014	0.4	99 68	102 30	97 27	97 19	106 37	101 25	101 31	100 28
15	PLS 250081	PLS 250081	UCP 180057	PLS 200021	0.4	92 67	106 26	99 22	100 14	105 35	104 22	108 27	106 24
						★★★							
1	PLS 250026	PLS 250026	UCP 190067	PLS 170018	1.1	115 68	100 32	102 27	92 18	103 35	98 25	96 31	96 28
2	PLS 250035	PLS 250035	UCP 180057	PLS 180037	0.3	110 68	93 27	91 22	106 15	96 36	90 23	90 28	89 26
3	PLS 250039	PLS 250039	UCP 190067	PLS 150109	0.3	105 69	102 32	97 27	101 18	100 37	98 25	102 32	100 28
4	PLS 250048	PLS 250048	UCP 180057	PLS 180075	0.4	92 68	104 24	93 22	100 14	96 36	92 22	98 27	95 24
5	PLS 250049	PLS 250049	UCP 180057	PLS 180015	0.1	108 69	94 29	92 20	109 12	96 38	92 23	93 29	92 26
6	PLS 250068	PLS 250068	UCP 180057	PLS 200072	0.1	85 67	104 28	94 19	110 12	94 37	95 22	104 28	100 25

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	
					★★★★☆								
7	PLS 250088	PLS 250088	UCP 200086	PLS 220081	0.4	93 65	94 30	102 21	113 15	97 34	98 23	100 28	99 26
8	PLS 250091	PLS 250091	UCP 190067	PLS 110003	0.6	107 70	95 34	103 28	101 20	94 37	92 26	94 33	92 30
9	PLS 250098	PLS 250098	UCP 180057	PLS 210053	0.2	106 67	99 29	91 25	99 16	104 35	96 23	96 29	96 26
					★★★								
1	PLS 250042	PLS 250042	UCP 190067	PLS 180028	0.3	108 68	92 31	94 28	97 19	96 36	87 25	84 31	84 28
2	PLS 250052	PLS 250052	UCP 180057	PLS 210071	0.2	125 67	88 21	91 19	104 10	94 35	86 20	84 24	84 22
3	PLS 250053	PLS 250053	UCP 190067	PLS 170082	0.2	119 68	93 28	102 26	96 16	94 37	88 24	87 29	86 26

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	PLS 250027	PLS 250027	UCP 190067	PLS 140027	0.6	116 69	95 33	104 28	101 20	118 38	115 26	106 33	110 30
2	PLS 250061	PLS 250061	UCP 180057	PLS 180082	0.2	101 68	100 27	91 23	103 14	117 36	111 23	106 28	108 26
						★★★★							
1	PLS 250020	PLS 250020	UCP 200086	PLS 220022	0.4	123 63	80 28	97 24	107 17	113 33	104 23	87 28	94 26
2	PLS 250033	PLS 250033	UCP 190067	PLS 180008	0.4	74 67	110 31	104 27	99 19	102 36	104 25	113 31	109 28
3	PLS 250040	PLS 250040	UCP 190067	PLS 160029	1.3	95 68	109 32	103 28	91 16	104 34	101 24	104 31	102 28
4	PLS 250043	PLS 250043	UCP 180057	PLS 210011	0.4	91 67	102 25	97 21	101 14	107 34	103 22	105 26	104 24
5	PLS 250044	PLS 250044	UCP 180057	PLS 170015	0.3	106 69	105 28	94 23	94 14	109 36	103 23	102 29	102 26
6	PLS 250055	PLS 250055	UCP 180057	PLS 180010	0.3	93 68	102 27	93 22	103 15	106 36	102 23	104 28	103 26
7	PLS 250057	PLS 250057	UCP 180057	PLS 120044	0.7	95 69	100 29	91 26	112 16	104 37	103 24	105 30	104 27
8	PLS 250064	PLS 250064	UCP 180057	PLS 190030	0.5	98 68	101 28	90 23	103 15	114 36	108 23	105 29	106 26
9	PLS 250066	PLS 250066	UCP 180057	PLS 110002	0.4	104 69	98 28	97 24	109 17	104 38	104 24	104 30	103 27
10	PLS 250071	PLS 250071	UCP 180057	PLS 160051	0.4	103 69	99 26	92 21	106 14	102 35	100 22	101 27	100 24
11	PLS 250073	PLS 250073	UCP 190067	PLS 170050	0.3	76 68	112 30	100 27	97 18	104 36	103 25	111 30	108 28
12	PLS 250074	PLS 250074	UCP 190067	PLS 200036	0.3	103 68	100 28	102 25	98 16	104 36	101 24	101 29	101 26
13	PLS 250075	PLS 250075	UCP 200086	PLS 220101	0.4	92 64	96 22	102 20	100 14	114 31	109 20	103 24	106 22
14	PLS 250077	PLS 250077	UCP 190067	PLS 160056	0.9	90 67	115 30	118 26	90 17	97 31	103 23	113 29	109 26
15	PLS 250087	PLS 250087	UCP 190067	PLS 180038	0.4	93 68	104 31	102 27	95 18	110 36	107 25	105 31	106 28
16	PLS 250093	PLS 250093	UCP 200086	PLS 220033	0.4	91 65	99 27	100 23	102 16	111 32	107 22	105 27	106 24
						★★★★☆							
1	PLS 250024	PLS 250024	UCP 190067	PLS 190097	0.2	116 67	95 26	96 24	98 16	97 36	90 23	89 28	89 26
2	PLS 250029	PLS 250029	UCP 190067	PLS 180034	0.0	91 68	101 36	104 26	105 17	97 38	99 26	104 33	102 30
3	PLS 250038	PLS 250038	UCP 190067	PLS 190009	0.1	99 68	101 27	103 24	96 16	97 36	94 23	97 29	95 26
4	PLS 250041	PLS 250041	UCP 190067	PLS 200082	0.5	106 68	99 28	100 25	94 16	98 36	92 24	92 29	91 26
5	PLS 250046	PLS 250046	UCP 180057	PLS 150100	0.3	109 69	95 25	82 23	105 16	106 38	96 23	93 28	94 26
6	PLS 250059	PLS 250059	UCP 180057	PLS 150078	0.2	90 69	109 24	89 22	102 15	98 38	96 23	106 27	101 25
7	PLS 250062	PLS 250062	UCP 180057	PLS 190093	0.2	116 68	94 21	93 19	108 11	99 36	95 21	95 25	95 23
8	PLS 250083	PLS 250083	UCP 190067	PLS 200053	0.3	119 68	92 27	100 24	100 16	97 36	92 23	90 28	90 26

Selection List on Cow Value
Heifers younger than 2 years

ID Name Sorted on ID			Sire ID	Dam ID	% Inbreeding	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
						★★								
1	PLS 250080	PLS 250080	UCP 190067	PLS 190025	0.1	10868	9926	9924	9815	9136	8823	9328	8926	
						★★☆								
1	PLS 250034	PLS 250034	UCP 190067	PLS 210034	0.1	10667	8125	9623	9615	9435	7922	7227	7324	

	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.

