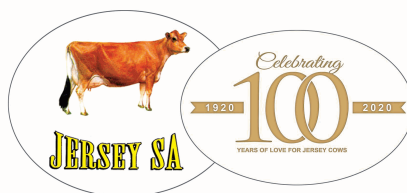




JERSEY GENOMIC BREEDING VALUE REPORT

September 2026



MN FARMING

Kuddenr : 672802



CERTIFICATE
OF QUALITY

Valid up to
October 2029

Genomic EBVs (GEBVs)



SA Stud Book strives to stay abreast of the latest scientific and technological developments. A Genomic Evaluation has therefore been developed for the SA Jersey breed, where genomic data are now also included as a source of information in the genetic evaluation. Animals that were genotyped through SA Stud Book's Genomic Selection Service, are indicated by the accompanying logo in the Report. Currently mostly older animals have been genotyped, which is essential to establish the relationship between SNP markers and breeding values. This means that if a young animal has been genotyped, more information is available for estimation of its breeding values, therefore the breeding values can be estimated more reliably, especially those of complex traits like fertility and longevity. The SA Jersey breed is one of the first dairy cattle breeds in Africa to receive GEBVs, based on measurements in the SA environment. This ensures that the expression of genes in the SA environment is captured and that the GEBVs are established on the genetic parameters of the SA population. This has been made possible mainly through funding of the *Dairy Genomics Program*.



Another benefit of genomic analyses is the accurate verification of parentages, based on more than 50 000 SNP markers. If both the animal and parent have genomic tests, parentage as recorded on Logix, can be verified. The top block refers to the sire and the bottom block to the dam of the animal. This is indicated as follows in the Report:



Parent does not have a genomic test. Parentage is not verified.



Both animal and parent have genomic tests, and the parentage is verified.



The genomic test indicates that there is a conflict in the parentage, *i.e.* the parentage is not correct.

Possible reasons:

1. The parentage was incorrectly recorded on Logix. Genomic information can be applied to indicate the correct parent, if that parent had also been genotyped. If the breeder of the animal can confirm that the suggested parent was also on the farm/ semen of bull was also used at the time of mating, the breeder should correct the parentage *via* the Breed Society on Logix.
2. The wrong biological sample was submitted for the genomic test. (Please ensure that biological samples are collected and labelled correctly, as the genomic test is very precise). In this case, the test should be repeated.

In the Genomic Evaluation relationships amongst the animals are adjusted according to the genomic information. It is therefore the breeder's responsibility to correct conflicting pedigree

information on Logix. The effect of correction of parentages on the estimation of breeding values, range from mild to drastic. If the correct and conflicting parents are, for example, closely related, the effect could be minimal. Similarly the effect will be minimal when the animal already has EBVs of high accuracy, *i.e.* has many measured progeny that contributed to the estimation of its breeding values, as is the case with most of the animals tested up to date. However, if the correct and conflicting parents differ genetically, or the animal is still young (its breeding values are mostly determined by its parent average), the effect could be much larger. It is in the interest of the breeder, the breed and the genomic programme to have correct recorded parentages as far as possible. For any questions – and if you would like to know if the genomic test indicated another parent – please contact Dr Bernice Mostert at bernice@studbook.co.za.

MACE Breeding Values

Young foreign AI-bulls' MACE (international) breeding values are still blended with their SA EBVs until the reliability of the bulls' EBVs, based on their SA daughters, reach 80%. Thereafter their EBVs are based solely on their SA daughters' information (measurements and genotypes). EBVs of young SA bulls that do not have daughter information, as well as those of heifers, are also based on their AI-sires' MACE EBVs.

Selection Indices

To simplify selection, different (G)EBVs are combined in **selection indices**, *i.e.* the SAINET (total merit index), FMI (Fluid Merit Index) and CYI (Cheese Yield Index). In these indices the (G)EBVs are combined in optimal proportions, according to the specific market that is being served. Proportional contributions to the indices are indicated in the table.

	SAINET	FMI	CMI
Milk	7	9	-18
Butterfat	14	9	18
Protein	14	27	27
Udder Health	20	15	10
Fertility	15	15	15
Herd Life	5	12.5	10
Udder	12.5	6.25	10
Body	8.75	4.375	7
F&L	3.25	1.875	3

Use www.sadairybulls.com, SA Stud Book's search engine, to view genetic profiles of specific bulls or groups of bulls. All (G)EBVs are expressed on the SA base, which is directly comparable to the (G)EBVs of your herd.

General Selection Guidelines

Production

Health

Fertility

Herd Life

Indices

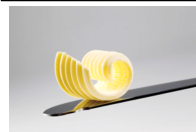
Traits for which breeding values (EBVs) are estimated

Milk (kg)



Milk Production

Butterfat (kg)



Bfat Production

Protein (kg)



Prot Production

Bfat & Prot %



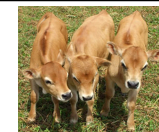
Solid percentages

Somatic Cell Score



Infection Resistance

Fertility



Calving Interval

Longevity



Survival to 4th calving

SAINET



Combination of EBVs

	Milk Production	Bfat Production	Prot Production	Percentages	Somatic Cells	Calving Interval	Func. Herd Life	SAINET
Unit	kg	kg	kg	%	Score	Days	Std Deviations	Std Deviations
High EBV	Higher milk production	Higher bfat production	Higher prot production	More solids	More susceptible	Less fertile	Longer herd life	More economic
Low EBV	Lower milk production	Lower bfat production	Lower prot production	Less solids	Less susceptible	More fertile	Shorter herd life	Less economic
Optimum EBV	Higher	Higher	Higher	Higher	Lower	Lower	Higher	Higher

Linear Traits

Udder	FUA Fore Udder Attachment Vooruier aanhegting	RUH Rear Udder Height Agterbene hoogte	RUW Rear Udder Width Agteruier breedte	UC Udder Cleft Uierspleet	UD Udder Depth Uierdiepte	FTP Front Teat Placement Voorspeenplasing	RTP Rear Teat Placement Agterspeenplasing	TL Teat Length Speenlengte
High EBV	Strong	High	Broad	Deep	Shallow	Inside	Inside	Long
Low EBV	Loose	Low	Narrow	None	Deep	Wide	Wide	Short
Optimum EBV	High	High	High	Intermediate High	Intermediate	Intermediate	Intermediate	Intermediate

Body	WH Wither height Skofhoogte	CW Chest width Borsbreedte	BD Body depth Liggaamskapasiteit	DS Dairy strength Suivelsterkte	RA Rump angle Kruishelling	TW Thurl width Draaibeenwydte
High EBV	High	Broad	Deep	Strong	Low	Wide
Low EBV	Low	Narrow	Shallow	Weak	High	Narrow
Optimum EBV	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate

Feet and Legs	RLS Rear Legs Side View Agterbene Sykant	FA Foot angle Hoefhelling	RLR Rear Legs Rear View Agterbene Agter	BS Bone Strength Beensterkte
High EBV	Sickled	Deep	Square	Strong
Low EBV	Straight	Shallow	Cow hocked	Weak
Optimum EBV	Intermediate	Intermediate	Intermediate	High

General Selection Guidelines

Milk, Butterfat and Protein Production

EBVs for these traits enable breeders to increase the milk, butterfat and protein yields of their herds by identifying high potential cows and heifers to stay in the herd, while low potential cows and heifers can be sold/culled. Selection on production traits alone, however, results in a decline in solid percentages, fertility and longevity, while resistance to mastitis will also deteriorate.

Butterfat and Protein Percentages

EBVs for the percentage traits indicate the amount of butterfat or protein relative to that of milk. Never select on percentage EBVs alone, as high percentage EBVs might also be due to low milk volumes. The percentage of solids in the herd can be increased by selecting for higher butterfat and protein EVBs, while keeping the genetic level of milk production constant.

Calving Interval

These EBVs indicate how much longer (positive EBVs) or shorter (negative EBVs) an animal's calving interval is in comparison to the average of the base cows (cows born in 2005). A penalization is also applied in the genetic evaluation for cows with prolonged lactations without subsequent calving dates, therefore cows that struggles to become pregnant. Smaller EBVs are desirable and indicates more fertile animals.

Somatic Cell Score

Low EBVs for Somatic Cell Score are an indication of a cow's genetic ability to resist infections, eg. mastitis. These breeding values are expressed as a score on the logarithmic scale. Smaller EBVs are therefore desirable.

Functional Herd Life

EBVs for Functional Herd Life are expressed as relative indices with average the average of the base cows set to 100 and a standard deviation of 12. Animals with EBVs of 112 are therefore 1 standard deviation unit above the average, while EBVs of 76 are 2 standard deviation units below the average. These EBVs are based on the survival of cows up to the 4th calving.

Linear Type Traits

EBVs are mostly intermediate, meaning that both extremes are undesirable. They are expressed as relative indices, with 100 as average of the base cows and 12 as standard deviation. Selection for these traits ensures functional animals that will stay in the herd and can therefore be seen as indirectly selection for longevity.

Efficiency Index (EFI)

Genetic efficiency is determined by expressing the Body Weight Composite (BWC) in relation to the solid yield of the cow:

$$EFI = (0.41 * \text{Prot EBV}) + (0.335 * \text{BFat EBV}) + (0.03 * \text{Milk Density}) - (0.225 * \text{BWC})$$

waar Milk Density = $-(\text{Milk EBV} - ((\text{BFat EBV} + \text{Prot EBV}) / 0.032))$ and

$$BWC = (0.23 * \text{WH}) + (0.15 * \text{CW}) + (0.19 * \text{BD}) + (0.10 * \text{TW}) - (0.33 * \text{DS})$$

Abbreviations

Prod	Production
UHealth	Udder Health
FHL	Functional Herd Life
ICP	Intercalving Period
BWC	Body Weight Composite
EFI	Efficiency Index
FMI	Fluid Milk Index
CYI	Cheese Yield Index
SAINET	Totale Merit Index

Inclusion of Data

Data has to conform to the following specifications to be included :

Age restrictions

Lac1 : 15 – 36mths
Lac2: 26 – 53 mths
Lac3: 38 – 67mths

Production restrictions

Milk : 2 -70kg
BF% : 2 – 12%
Prot% : 2 – 6%

Test-day Records

1st test within 70 days after calving
No interval longer than 100 days
Only 1 interval between 75 and 100 days

At least one parent should be known

The data used in this evaluation has been obtained from LOGIX, as supplied by breeders. Everything possible had been done to present the information correctly. SA Stud Book does not take any responsibility for the use and interpretation of the information from this publication.

SINGLE-GENE TRAITS

- Genes mutate or change. The most common form of a gene, is called the original gene or 'wild type'. Some genes have many different variants, but an animal can only have 2 of the variants, as one copy is received from the sire and the other from the dam. These genes can be the same variant (homozygous), or different variants (heterozygous).
- If the animal is heterozygous, one gene may dominate (animals with a polled gene and a horned gene will be polled because polled is dominant).
- Traits are rarely 100% influenced by a single gene; there are usually interactions with other genes that may (slightly) alter the trait.

Explanation of information on the report:

Breed Fraction

Indication of the animal's breed purity with regards to 12 bovine breeds that are genotyped in South Africa.

% Homozygosity

Percentage markers (SNPs) that are similar as received from the parents and therefore an indication of genetic diversity.

DGAT1

A gene that increase butterfat production and butterfat- and protein percentages, while decreasing milk- and protein production.

Important Information

SA Stud Book and/or the LOGIX system distance itself from any errors which are beyond its control and cannot be held liable for any such errors. SA Stud Book and the LOGIX system only publishes the information at its disposal and assumes that sampling on the farm, handling of the samples and the actions in the laboratory were performed correctly.

Polled and Horned status

The Celtic gene is dominant for polled.

- PcPc: The animal breeds pure for polled. This means that the animal received a polled gene from both its parents and can only transmit the polled gene to its offspring.
- PcH: The animal is polled, but carries the horn gene, because the polled gene (Pc) is dominant over the horn gene (H). It can transmit either a polled or horned gene to its offspring.
- HH: The animal breeds pure for horns. It can only transmit horn genes to its offspring.
- The exact inheritance of 'Scurs' is still unknown.

Beta-Casein composition of milk

Several variants of the gene for beta-casein in milk exists. The most common are the A1- and A2-variants, which are co-dominant. For pure A1-milk the cow therefore has to be A1A1, and for A2-milk she has to be A2A2, with similar quantities of A1- and A2-milk being produced by cows having the heterozygous genotype (A1A2). The A1-variant is associated with higher butterfat- and protein percentages, while the A2-variant has a positive impact on milk- and protein production and is considered to be more healthy.

Kappa-Casein composition of milk

Important in the production of cheese. It forms about 13% of the protein in milk. and influences milk clotting and cheese yield as it is a stabilizing factor that determines how well and fast the milk coagulates. Two different forms of Kappa-Casein are tested for, with 3 different genotypes that can therefore occur depending on the variants that were carried over by the parents: AA, AB or BB. These genotypes produce different forms of Kappa-Casein in the milk which influences the quality of the cheese. Cows with BB-genotypes produce milk with higher levels of fat and protein that clots more quickly

and produce the highest cheese yield and is therefore the most desired genotype.

Beta-Lactoglobulin (LGB)

Associated with traits of economical importance in cows relevant to milk composition, quality, yield as well as cheese production. LGB represents around 50% of the whey protein and 12% of the total milk protein of dairy cows. BB-genotypes are associated with milk quality (solids), while AA-genotypes are associated with milk production.

Yellow Milk Fat Variant

A recessive gene, which increase β -carotene, a precursor of Vit A, in milk and results in yellow colouring of the milk.

BLAD (Bovine Leukocyte Adhesion Deficiency)

An unwanted, recessive gene where affected calves often have severe ulcers in the mouth, teeth loss, chronic pneumonia and diarrhoea. Death often occurs at a young age due to infections.

DUMPS

(Deficiency of Uridine Monophosphate Synthase)

A lethal, recessive gene where affected calves are aborted around day 40 of pregnancy. The affected embryos are often resorbed during the first 2 months of gestation, leading to more services per calving and longer than normal calving intervals.

Jersey Haplotype 1

A lethal recessive gene where calves, homozygous for the mutation, are aborted before 60 days of gestation. Mating of two carriers will have a 25% probability to produce lethal progeny.

Genetic Windows

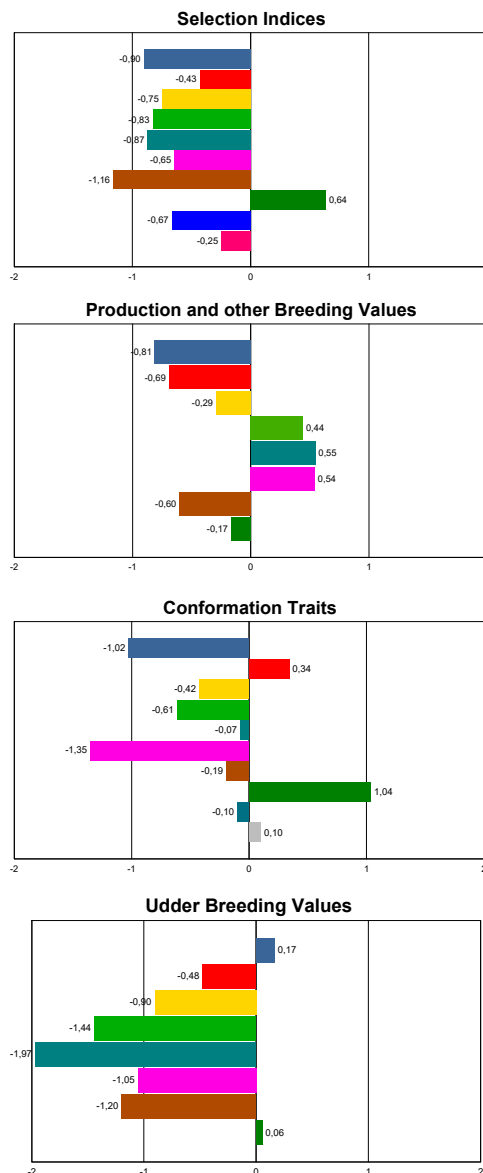
Base Year: 2020

Interpretation:

1. Genetic Windows indicate the average of the active animals in the herd relative to the average of the breed.
2. The average of all the active animals in the breed (cows, heifers and bulls) is set as zero and the deviation of the herd's cows, heifers, sires of cows and sires of heifers from the breed average are expressed in standard deviation units (SDU).
3. This means that approximately 67% of the animals will lie within -1 and +1 SDU from the average, 95% between -2 and +2 SDU and 99% between -3 and +3 SDU because EBV's are normally distributed.
4. Example: If the average of the cows of the herd's Production (combination of milk, butter fat and protein) is -0.5, it means that the active cows of the herd is half an SDU below the average of the breed.
5. Example: If the average Calving Interval of the sires of the active cows in the herd is 1.0, the bulls used in the herd is 1 SDU higher (worse) than the breed average.
6. It is more favourable for Somatic Cell Score and Calving Interval to be below breed average.
7. Deviations from the average can be inaccurate if the number of animals on which it is based is low.

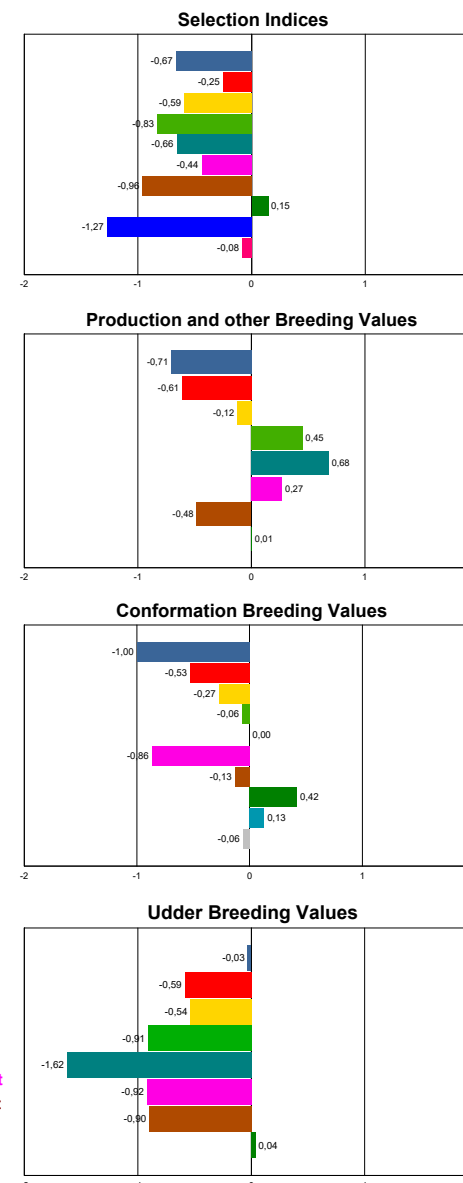
Note : The higher the Body Weight Composite (BWC), the heavier the cow

Cows with measurements



Sires of Cows

SAINET
CYI (Cheese Yield Index)
FUI (Func. Udder Index)
FTI (Func. Type Index)
FMI (Fluid Milk Index)
Body
Udder
Feet & Legs
Body Weight Composite
Efficiency Index

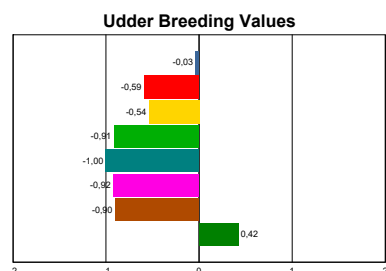
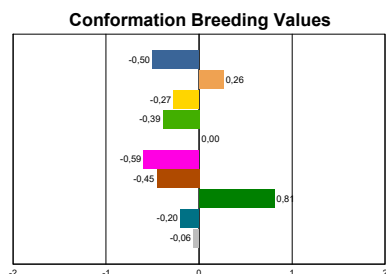
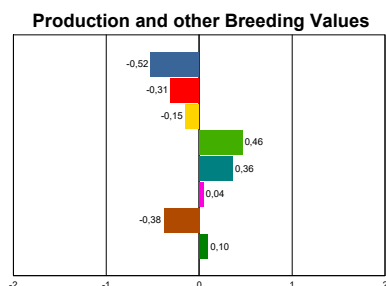
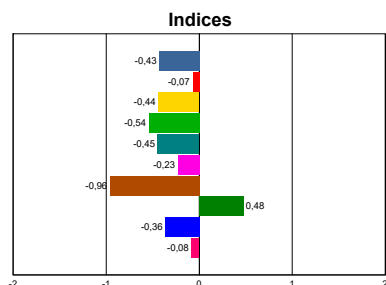


WH: Withers Height
CW: Chest Width
BD: Body Depth
DS: Dairy Strength
RA: Rump Angle
TW: Thurl Width
RLS: Rear Legs Side
FA: Foot Angle
RLR: Rear Legs Rear
BS: Bone Structure

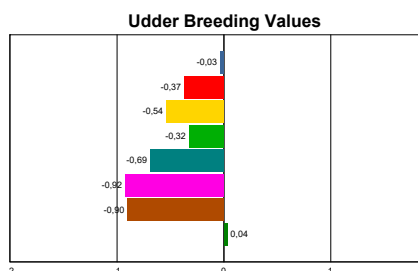
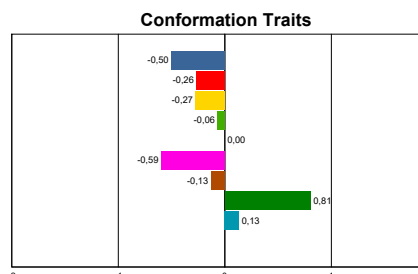
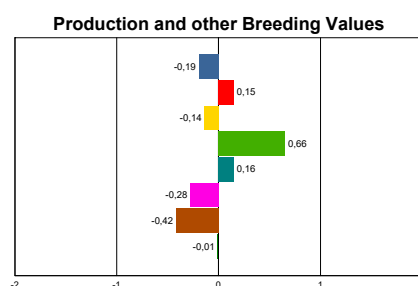
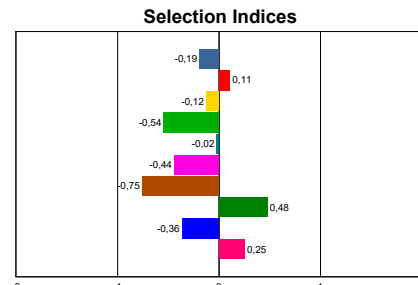
UD: Udder Depth
FUA: Fore Udder Att.
RUH: Rear Udder Height
R UW: Rear Udder Width
UC: Udder Cleft
FTP: Front Teat placemnt
RTP: Rear Teat Placemnt
TL: Teat Length

Genetic Windows

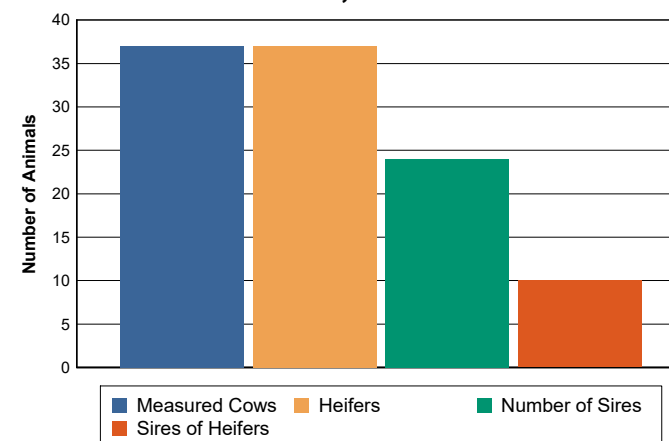
Heifers



Sires of Heifers



Number of cows, heifers and sires



Nr of Cows per Age Group

	Heifers	Lac 1	Lac 2	Lac 3	Lac 4+
Number	37	10	8	6	12

Jersey

GENETIC RANKING OF THE HERD WITHIN THE ACTIVE BREED

Trait	Top 5%	10%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	Bottom 95%
Melk	541.00	419.34	342.00	280.00	229.00	183.70	141.00	102.00	66.00	29.00	-6.00	-40.00	-76.00	-115.00	-155.00	-205.00	-263.00	-338.00	-457.00
BVet	27.00	22.20	18.70	16.10	14.00	12.00	10.20	8.50	6.80	5.30	3.70	2.00	0.20	-1.50	-3.30	-5.40	-7.90	-11.40	-17.00
Prot	18.40	14.80	12.40	10.50	8.90	7.60	6.30	5.10	3.90	2.80	1.70	0.50	-0.80	-2.00	-3.50	-5.00	-6.90	-9.40	-13.30
BV%	0.56	0.44	0.37	0.31	0.25	0.20	0.16	0.12	0.08	0.04	0.01	-0.02	-0.06	-0.09	-0.14	-0.18	-0.23	-0.30	-0.41
Prot%	0.21	0.17	0.14	0.12	0.10	0.08	0.07	0.05	0.04	0.02	0.01	0.00	-0.02	-0.03	-0.05	-0.07	-0.09	-0.12	-0.17
SCS	-22.66	-19.18	-16.66	-14.61	-12.72	-11.01	-9.31	-7.66	-6.10	-4.56	-3.03	-1.39	0.27	2.02	3.98	6.11	8.76	12.18	17.35
TKP	-7.90	-6.30	-5.30	-4.50	-3.80	-3.20	-2.60	-2.10	-1.50	-1.00	-0.40	0.20	0.80	1.40	2.20	3.00	4.00	5.40	7.30
KudLewe	118.00	115.00	113.00	111.00	110.00	109.00	107.00	106.00	105.00	104.00	103.00	101.00	100.00	99.00	97.00	96.00	93.00	91.00	86.00
LGI	106.06	105.04	104.35	103.81	103.36	102.93	102.55	102.16	101.79	101.43	101.07	100.67	100.24	99.80	99.34	98.78	98.15	97.31	95.96
DTI	110.83	108.63	107.17	106.15	105.27	104.39	103.66	102.78	102.20	101.46	100.88	100.15	99.41	98.68	97.80	96.93	95.76	94.15	91.51
LIGGAAM	108.00	107.00	106.00	105.00	104.00	104.00	103.00	102.00	102.00	101.00	101.00	100.00	100.00	99.00	98.00	97.00	96.00	95.00	93.00
UIER	107.00	106.00	105.00	105.00	104.00	103.00	103.00	102.00	102.00	101.00	101.00	100.00	99.00	98.00	98.00	97.00	96.00	94.00	92.00
H&B	110.00	108.00	107.00	106.00	105.00	105.00	104.00	103.00	102.00	102.00	101.00	100.00	99.00	98.00	97.00	96.00	94.00	93.00	91.00
SAINET	108.02	106.83	106.01	105.30	104.73	104.21	103.69	103.19	102.70	102.18	101.66	101.11	100.55	99.95	99.27	98.50	97.58	96.44	94.66
FMI	109.30	107.89	106.87	106.03	105.31	104.66	104.05	103.48	102.91	102.34	101.78	101.21	100.60	99.97	99.26	98.41	97.44	96.14	94.16
CYI	111.18	109.14	107.85	106.79	105.97	105.23	104.53	103.88	103.29	102.63	101.98	101.31	100.61	99.78	98.90	97.98	96.87	95.33	92.99

The green blocks indicate where the herd ranks within the active breed for each trait/selection index.

Jersey

Genetic Levels of Cows and Heifers

	Cows and Heifers		Cows		Heifers	
	Herd	Breed	Herd	Breed	Herd	Breed
Nr cows	74	36670	37	20759	37	15911
Avg. Inbreeding	7.09	7.28	6.13	7.07	8.06	7.56
Nr >6.25% inbred	45	23780	15	12397	30	11383
Breeding Values (EBVs)						
Milk	-166	38	-211	13	-121	69
Butterfat	2.2	5.2	1.2	2.5	3.2	8.6
Protein	-2.1	2.7	-4.0	1.1	-0.2	4.7
Butterfat %	0.19	0.06	0.22	0.03	0.16	0.09
Protein %	0.08	0.02	0.08	0.01	0.08	0.04
Somatic Cells	-0.20	-3.96	2.90	-2.02	-3.29	-6.48
Calf Interval	-3.02	-0.71	-3.55	-0.38	-2.49	-1.13
Herdlife	102.9	103.2	101.6	103.4	104.2	103.1
Selection Indices						
SAINET	99.1	101.9	98.0	100.6	99.9	103.8
CYI	101.2	102.4	100.4	101.1	102.0	104.4
FMI	99.1	102.1	98.0	101.0	100.1	104.0
FTI	98.4	100.9	98.0	100.1	98.8	102.1
FUI	97.8	101.9	96.6	100.5	98.9	104.1
Body	99.1	101.0	98.1	100.4	100.2	101.9
Udder	95.4	100.7	94.9	99.6	95.9	102.3
Feet & Legs	104.4	101.1	105.1	100.5	103.8	102.1
BWC	99.8	101.3	99.3	100.8	100.2	101.9
EFI	100.1	101.4	99.5	100.5	100.7	102.9

The average breeding values and indices of the cows and heifers currently in the herd and breed as on 2026/09/09

Genetic Levels of Bulls

	Bulls Used	
	Herd	Breed
Nr of bulls	31	1248
Avg. Inbreeding	6.35	7.65
Nr >6.25% inbred	14	935
Breeding Values (EBVs)		
Milk	-164	98
Butterfat	4.2	5.6
Protein	-1.5	4.2
Butterfat %	0.26	0.02
Protein %	0.10	0.01
Somatic Cells	-1.93	-0.47
Calf Interval	-2.97	0.04
Herdlife	103	102.5
Selection Indices		
SAINET	99.5	101.7
CYI	101.8	102.3
FMI	99.5	101.9
FTI	98.2	101.4
FUI	98.6	100.8
Body	99.0	101.6
Udder	96.0	101.5
Feet & Legs	102.5	101.2
BWC	98.0	100.9
EFI	101.7	102.2

The average breeding values and indices of bulls in the herd and breed.

Jersey

- Inbreeding primarily leads to decreased fertility and low survivability of calves.
- The effects of inbreeding can be observed from 6.25% onwards.
- It is therefore highly recommended to record pedigree information as accurately and completely as possible and to use a selection programme for selection of unrelated bulls.
- Incomplete or incorrect pedigree information can be reported to SA Stud Book. Inbreeding is dependent on pedigree information. Conventional methods for the Calculation of inbreeding coefficients usually assume that unknown parents are unrelated. However, this is usually far from the truth. An algorithm is used for the calculation of inbreeding, where the average inbreeding coefficient is assigned to unknown parents based on the generation in which they were born. This result is a more accurate reflection of inbreeding of the herd and breed.

Inbreeding Levels for Specific Matings

Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level (%) *	% Rate / Year
2016 - 2019	8.87	1.30
Recommendations:	< 6.25	< 0.1 - 0.2

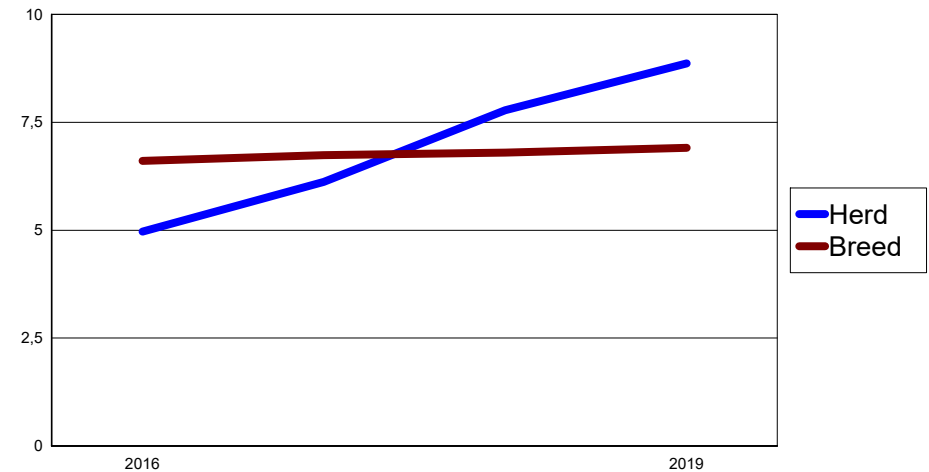
* Of the last birth year

Pedigree Information

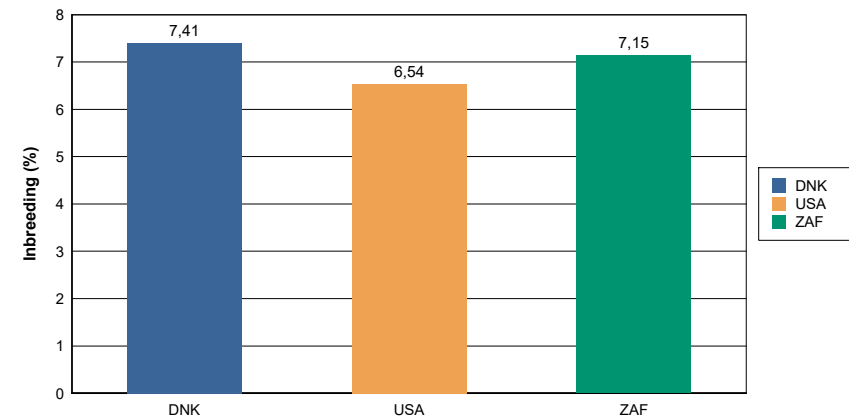
	Number	%
Known Sires	74	100
Known Dams	74	100

Please note: Inbreeding is under-estimated when pedigree information is incomplete.

Inbreeding: Herd vs Breed

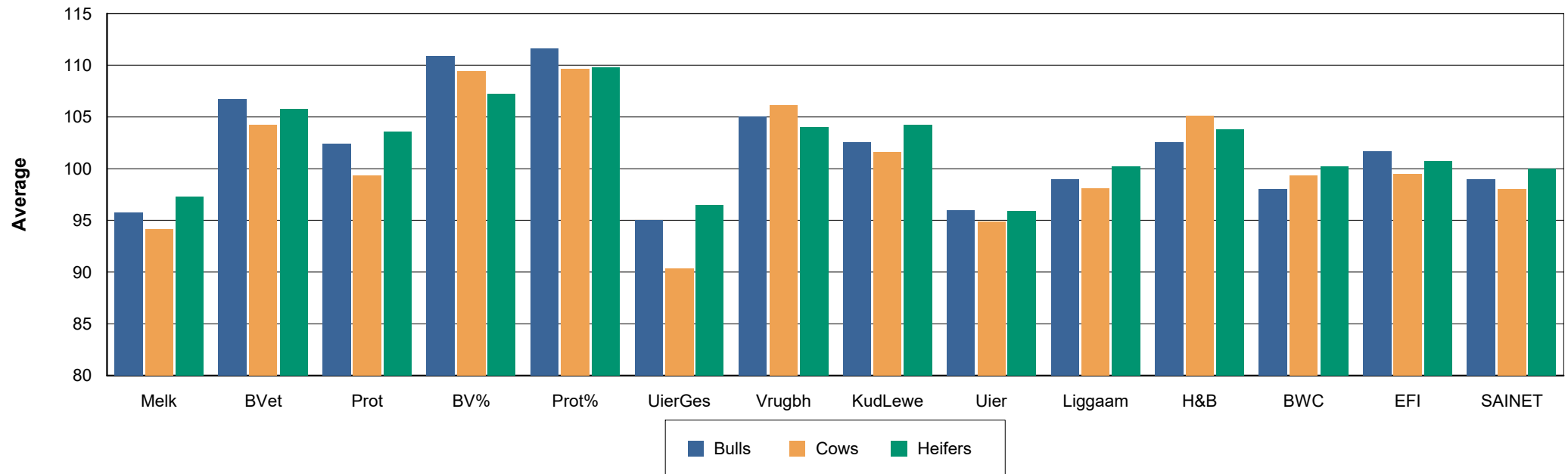


Average Inbreeding per Country of Sire



Jersey

Genetic Levels of the Herd



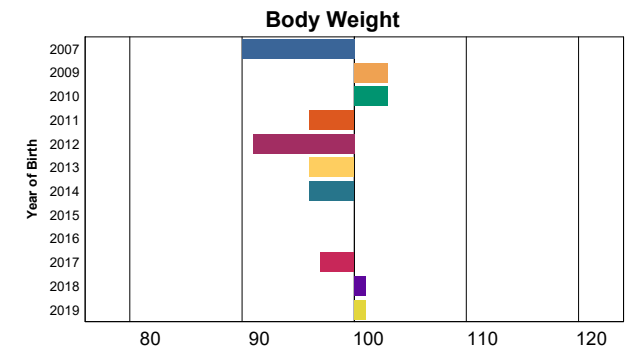
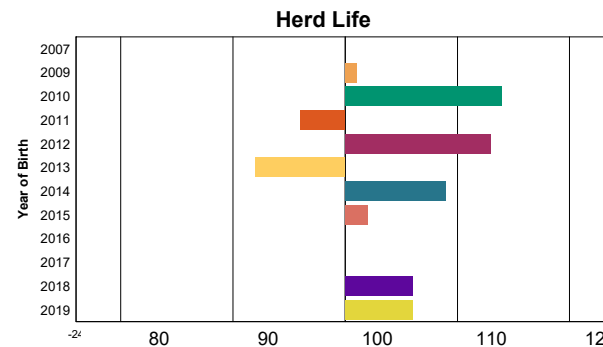
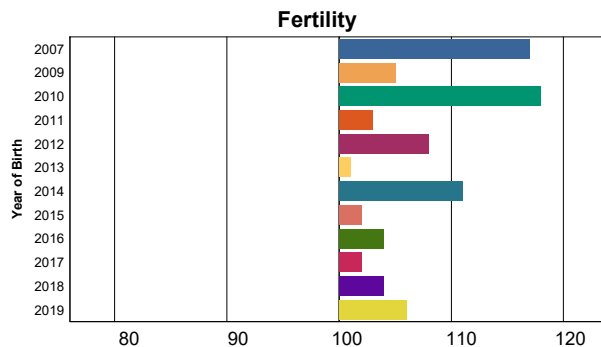
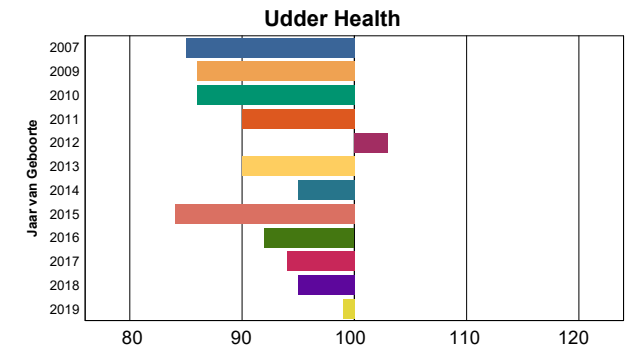
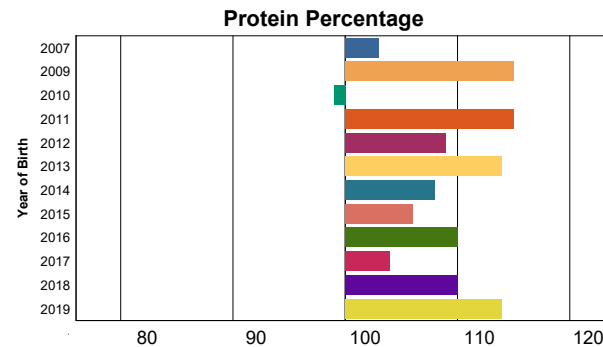
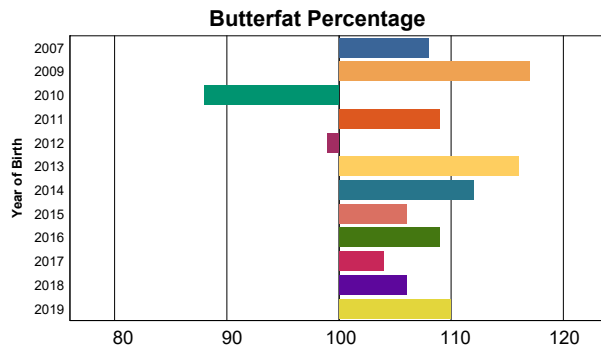
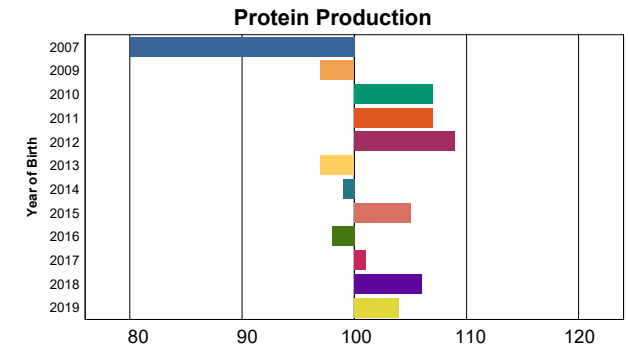
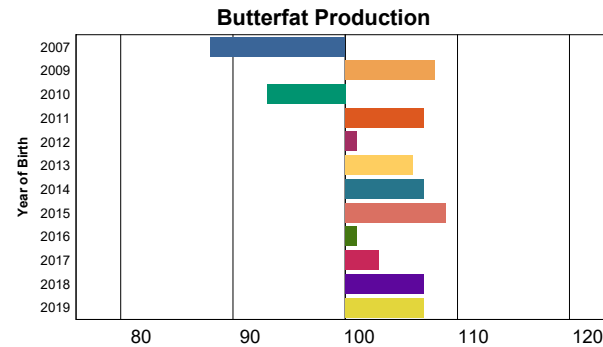
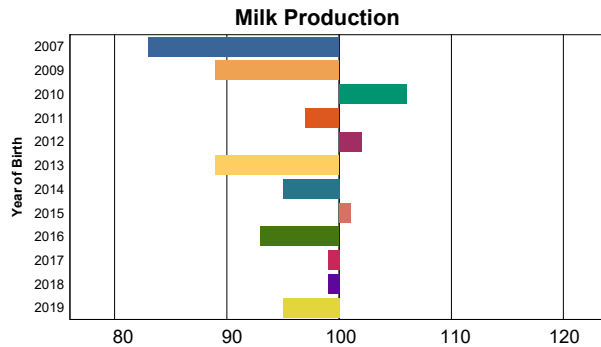
Jersey

Genetic Averages of Active Cows per Lactation Group

Trait	Heifers		Lactation 1		Lactation 2		Lactation 3		Lactation 4+	
	Herd	Breed	Herd	Breed	Herd	Breed	Herd	Breed	Herd	Breed
Milk	97,3	103,8	97,1	102,4	95,1	102,8	92,3	101,7	92,8	101,1
Butterfat	105,8	110,5	105,3	108,5	103,1	106,3	110,2	104,1	101,1	102,9
Protein	103,6	109,2	100,6	107,0	101,3	106,6	98,0	104,8	98,2	103,2
BF%	107,2	104,2	106,6	104,1	107,4	102,0	116,3	101,4	108,8	101,2
Prot%	109,8	105,9	105,8	105,3	110,5	104,2	111,2	103,7	110,4	102,6
UdderHealth	96,5	99,6	89,8	98,4	91,4	96,5	90,5	94,3	89,3	92,6
Fertility	104,0	101,4	106,1	100,4	103,6	99,2	107,0	99,4	108,1	100,4
Herdlife	104,2	103,1	101,9	102,0	100,6	102,3	104,8	103,9	101,3	104,7
BWC	100,2	101,9	100,2	102,0	101,0	101,4	99,1	100,7	97,0	99,5
EFI	100,7	102,9	99,7	101,3	98,8	101,0	100,9	100,4	99,3	99,8
Body	100,2	101,9	97,9	101,4	102,4	100,9	96,8	100,2	97,0	99,5
Udder	95,9	102,3	94,7	100,2	95,9	100,2	93,5	99,7	95,5	98,9
F&L	103,8	102,1	103,6	101,5	107,3	100,7	107,8	100,5	104,2	99,7
FMI	100,1	104,0	98,4	102,0	98,4	101,4	98,4	100,8	97,8	100,0
CYI	102,0	104,4	100,1	102,5	100,7	101,6	102,0	100,8	99,9	99,9
SAINET	100,0	103,8	98,3	101,9	98,8	101,2	98,6	100,4	98,1	99,5

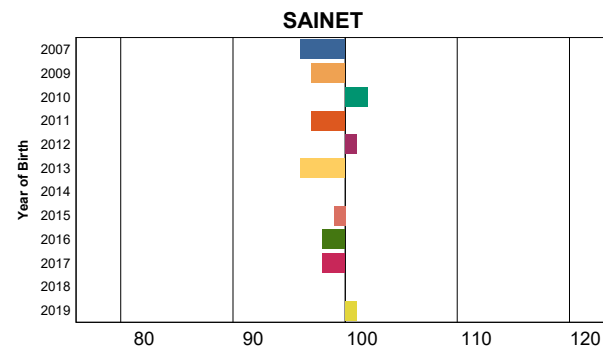
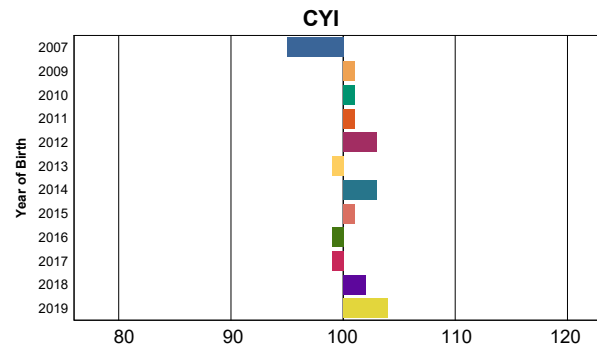
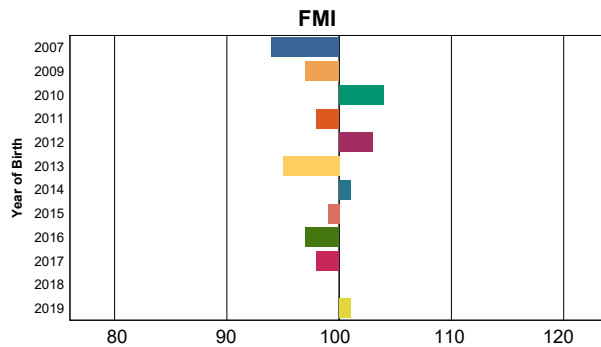
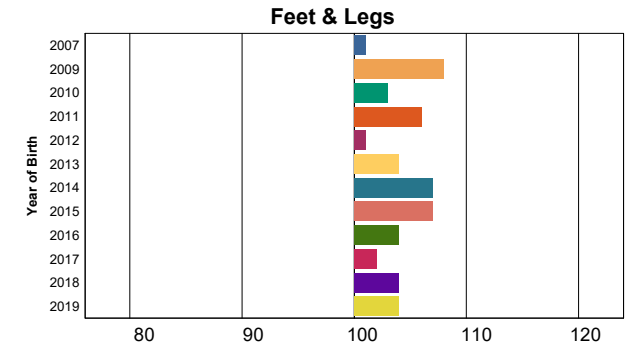
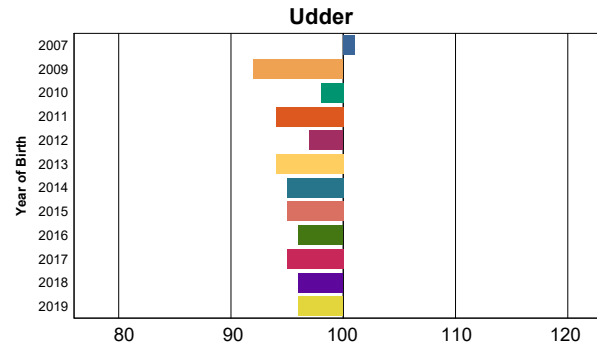
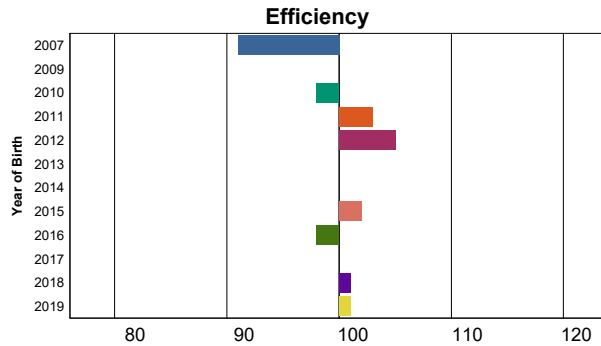
Jersey

Average Performance of Active Cows per Year of Birth



Jersey

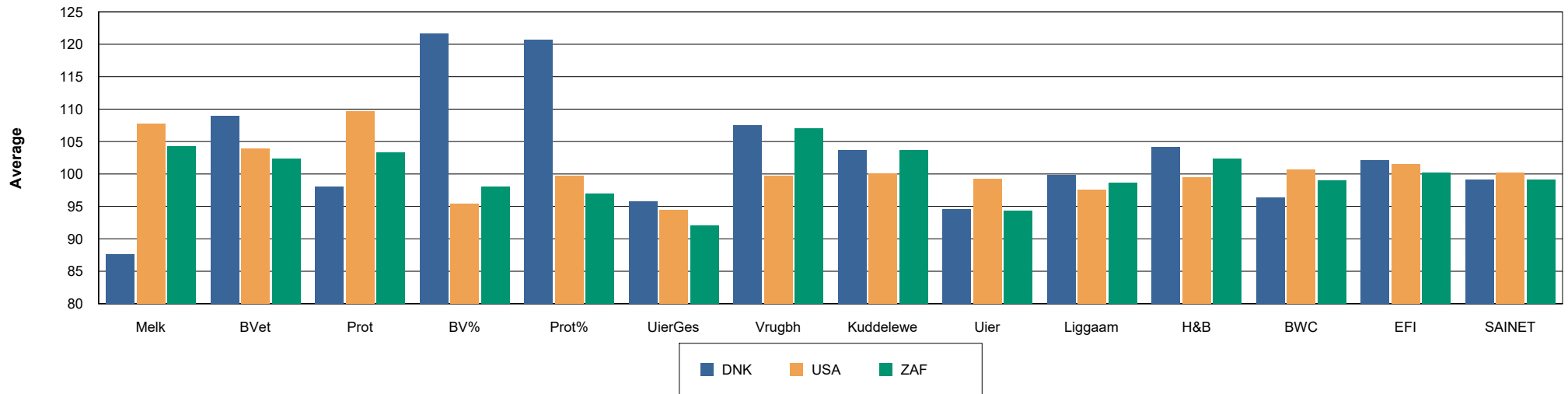
Average Performance of Active Cows per Year of Birth



Year of Birth	Number
2007	2
2009	3
2010	1
2011	2
2012	1
2013	4
2014	5
2015	6
2016	10
2017	11
2018	11
2019	18

Jersey

Average Genetic Levels per Country of Sire



Number of Bulls and Daughters per Country of Sire

Country	Nr of Bulls	Nr of Daughters
DNK	18	45
USA	10	26
ZAF	3	3

Jersey

Herd History : Genetic trends of the Herd (blue) and Breed (brown): Breeding Values

Jersey

Herd History : Genetic Trends of the Herd (blue) and Breed (brown): Selection Indices

The average breeding values of cows measured in the herd and breed present

Genetic Trends

Cows measured in the Breed									
Birth	Number of cows		EBV	EBV	EBV	EBV	EBV	EBV	EBV
Year	Milk	Solids	Milk	Bfat	Prot	Bfat%	Prot%	Somatic	Calfint
									Herdlife SAINET

Cows measured in Herd									
Birth	Number of Cows		EBV	EBV	EBV	EBV	EBV	EBV	EBV
Year	Milk	Solids	Milk	Bfat	Prot	Bfat%	Prot%	Somatic	Calfint
									Herdlif SAINE

Percentile Tables

All Animals

Trait	EBV Avg	Std. Dev.	Max	5%	10%	25%	50%	75%	90%	95%	Min
Melk	42	308	1836	548	427	234	33	-152	-335	-454	-1373
Bottervet	5.2	13.7	77.9	27.2	22.3	14.1	5.3	-3.3	-11.5	-17.2	-80.0
Proteien	2.8	9.9	59.0	18.6	15.0	9.1	2.9	-3.4	-9.3	-13.3	-48.8
Bottervet%	0.05	0.30	1.49	0.56	0.44	0.24	0.04	-0.14	-0.31	-0.42	-1.75
Proteien%	0.02	0.12	0.70	0.21	0.17	0.10	0.02	-0.05	-0.12	-0.17	-0.59
Somaties	-3.8	12.4	90.4	-26.7	-22.7	-12.7	-4.5	4.2	12.5	17.7	-54.0
Kalf Interval	-0.7	4.8	29.3	-9.8	-7.9	-3.8	-1.0	2.2	5.5	7.5	-24.6
Kudde Lewe	103	10	149	118	115	110	104	97	91	86	43
Liggaam	101	5	132	108	107	104	101	98	95	93	72
Uier	101	5	125	108	106	104	101	98	94	92	74
Hoewe & Benc	101	6	139	110	108	105	102	97	93	91	56
FTI	101	3	116	106	105	103	101	99	96	95	80
CYI	102	6	125	111	109	106	103	99	95	93	72
FMI	102	5	120	109	108	105	102	99	96	94	75
SAINET	102	4	117	108	107	105	102	99	96	95	79

Cows and Heifers

Trait	EBV Avg	Std. Dev.	Max	5%	10%	25%	50%	75%	90%	95%	Min
Melk	40	306	1836	542	421	231	31	-153	-334	-453	-1373
Bottervet	5.2	13.6	77.9	27.1	22.2	14.0	5.3	-3.3	-11.5	-17.1	-80.0
Proteien	2.8	9.8	59.0	18.4	14.9	9.0	2.9	-3.4	-9.3	-13.3	-48.8
Bottervet%	0.06	0.29	1.49	0.55	0.44	0.25	0.04	-0.14	-0.30	-0.42	-1.75
Proteien%	0.02	0.12	0.70	0.21	0.17	0.10	0.02	-0.05	-0.12	-0.17	-0.59
Somaties	-3.9	12.3	54.9	-22.6	-19.2	-12.7	-4.5	4.0	12.2	17.3	-54.0
Kalf Interval	-0.7	4.7	22.4	-7.9	-6.3	-3.8	-1.0	2.2	5.4	7.4	-24.6
Kudde Lewe	103	10	148	118	115	110	104	97	91	86	54
Liggaam	101	5	132	108	107	104	101	98	95	93	74
Uier	101	5	120	108	106	104	101	98	94	92	75
Hoewe & Benc	101	6	131	110	108	105	102	97	93	91	68
FTI	101	3	113	106	105	103	101	99	96	95	84
CYI	102	6	125	111	109	106	103	99	95	93	74
FMI	102	5	120	109	108	105	102	99	96	94	81
SAINET	102	4	116	108	107	105	102	99	96	95	82

All Bulls

Trait	EBV Avg	Std. Dev.	Max	5%	10%	25%	50%	75%	90%	95%	Min
Melk	99	358	1482	652	542	358	105	-139	-361	-504	-1077
Bottervet	5.6	15.6	54.0	30.3	25.2	16.0	6.1	-3.8	-14.3	-20.8	-62.2
Proteien	4.2	11.7	42.7	23.3	19.3	12.3	4.1	-3.7	-11.0	-15.0	-36.1
Bottervet%	0.02	0.32	1.28	0.59	0.45	0.20	-0.02	-0.19	-0.36	-0.46	-0.93
Proteien%	0.01	0.13	0.54	0.24	0.17	0.09	0.01	-0.08	-0.16	-0.21	-0.42
Somaties	-0.5	15.8	90.4	-26.0	-19.0	-10.7	-1.0	9.7	20.2	26.0	-48.8
Kalf Interval	0.1	6.7	29.3	-10.0	-7.8	-4.3	-0.4	4.4	8.6	11.7	-21.9
Kudde Lewe	103	14	149	123	118	111	104	95	85	78	43
Liggaam	102	6	126	111	109	105	102	98	94	91	72
Uier	101	7	125	112	109	106	102	97	92	89	74
Hoewe & Benc	101	7	139	112	110	106	102	97	92	89	56
FTI	101	5	116	108	107	105	102	99	96	94	80
CYI	102	7	122	113	111	107	102	98	94	91	72
FMI	102	6	120	112	110	106	102	98	94	91	75
SAINET	102	6	117	110	109	106	102	98	95	92	79

Interpretation:

A percentile table is an indication of where the animal's EBV falls relative to the rest of the breed. If an EBV of an animal falls between the maximum value and 5% level on the percentile table of "All Animals", this EBV is in the top 5% of the breed. If the EBV falls between 5% and 25%, this animal's EBV is in the top 25% of the breed. If the EBV falls within 95% and the minimum value, this EBV is in the bottom 5% of the breed for that specific trait.

Bulls

Bulls are sorted alphabetically

M = MACE (International) breeding values AND reliabilities

G = Genomically enhanced EBV

Above breed average

Top 10% of the breed

Bottom 10% of the breed

Bull Information					Selection Indices								Breeding Values (EBV) , Reliabilities (B) and Indices (Ind)													S.A. Daughters and Herds				
Farmnr Regno	Name	Parent Verification	BYear Cnt	% In- breeding	SAINET	CYI	FMI	Body	Udder	Feet & Legs	BWC	EFI	Milk B Ind	BFat B Ind	BFat% B Ind	Protein B Ind	Prot% B Ind	Somatics B Ind	Calflnt B Ind	Herdlife B	Lact. > 149d Dgths. Hrs.	Lakt.<150dae Dgths Hrs.	Avg L Ingth	%Shrt Lact	Compl Lact					
Active Breed Average:					7.28	102	102	102	101	101	101	101	38	5.2	0.06	2.7	0.02	-4.0	-0.7	103										
79786588	BLUE MIST MADRID ET		2013 USA	6.58	101	102	100	105	101	112	109	98	87 94 104	6.0 91 108	0.02 91 102	3.0 93 107	-0.01 93 102	6.0 84 102	M 2.8 65 94	M 96 66	127 23			269	11	286				
71410203	BW RENEGADE-ET		2008 USA	3.44	94	97	93	86	94	101	101	101	-281 99 92	10.0 99 112	0.44 99 118	-2.0 99 102	0.16 99 118	-2.0 97 95	5.0 90 90	82 93	929 68	1 1		260	15	2010				
79203451	CAL-MART MEDALIST PILGRIM ET		2012 USA	6.91	107	105	109	105	105	97	103	103	503 99 119	1.0 99 104	-0.40 99 85	14.0 99 120	-0.09 99 94	-6.0 97 99	-1.0 88 101	118 97	883 41			267	12	2054				
81548760	CAL-MART SPARKY HONOK ET		2014 USA	6.86	100	97	101	91	101	98	94	96	M -31 75 100	M -16.9 65 89	-0.26 65 90	M -9.1 70 94	-0.13 70 90	M -8.9 60 102	M -5.9 56 111	M 116 50	38 9			262	21	70				
75313361	DJ BINDY - ET		2006 DNK	5.22	93	95	93	96	84	96	96	98	G -258 773 93	GZ 6.3 71 108	0.35 71 115	GZ -16.7 72 85	-0.12 72 91	GZ 0.3 74 93	GZ -7.5 69 114	GZ105 65	1 2			280						
71695829	DJ BROILER - ET		2005 DNK	5.83	100	107	99	100	96	110	90	105	-660 87 79	8.0 82 110	0.82 82 133	-8.0 86 95	0.34 86 134	M -0.7 76 94	M -6.0 63 111	M 108 59	72 19			260	17	144				
75126037	DJ HOLMER -ET		2007 DNK	4.56	100	102	97	97	97	99	93	98	G -697 799 77	GZ 1.0 98 104	0.73 98 130	GZ -20.0 99 81	0.14 99 116	GZ -26.0 94 119	GZ -5.0 85 109	GZ101 87	161 19			260	15	340				
72607617	DJ HULK - ET		2003 DNK	3.42	95	100	95	93	87	109	102	99	G -459 788 86	GZ 5.0 87 107	0.54 87 122	GZ -3.0 88 101	0.27 88 128	GZ -4.0 86 97	GZ 1.0 83 97	GZ100 84	6 4			252	20	10				
63784888	DJ LIRSK-ET		2001 DNK	4.98	103	111	103	123	88	120	104	107	-198 88 95	24.0 86 124	0.60 86 125	8.0 88 113	0.27 88 128	M 9.9 78 83	M -4.3 67 108	M 110 63	76 18			252	23	163				
73551897	DJ LIX - ET		2006 DNK	11.48	96	101	90	100	106	92	85	104	G -1077 799 64	GZ 3.0 97 106	1.25 97 150	GZ -19.0 99 83	0.47 99 147	GZ 15.0 93 78	GZ 2.0 83 95	GZ 79 86	141 15			262	14	286				
70424387	DJ ZUMA - ET		2004 DNK	6.20	102	104	101	89	102	100	92	101	G -441 799 86	GZ -1.0 99 102	0.41 99 117	GZ -11.0 99 92	0.11 99 113	GZ -16.0 99 109	GZ -12.0 99 123	GZ107 99	1469 72			259	15	3179				
80947286	FARIA BROTHERS DRAPER ET		2013 USA	5.36	92	95	92	93	97	100	98	98	-320 88 90	-5.0 84 99	0.22 84 109	-7.0 86 96	0.10 86 112	M 7.1 74 86	M 3.0 61 93	M 95 58	67 11			267	10	154				
JEJ9965 42619577	FORTUNATA LANCELOT		1999 ZAF	5.97	95	93	95	102	86	104	98	90	-297 99 91	-20.9 99 85	-0.09 99 97	-17.9 99 84	-0.11 99 92	6.4 92 97	-9.3 90 117	107 93	1237 164			255	20	2565				
JEJ140004 79447918	FORTUNATA PUTIN		2014 ZAF	3.91	103	100	104	92	101	102	98	110	G 705 780 126	GZ 12.0 79 113	-0.38 79 86	GZ 18.1 80 124	-0.14 80 89	GZ -6.4 78 100	GZ 2.4 77 94	GZ 92 77	2 2			233	33					
JEJ 130005 77296002	FORTUNATA STERN JESSE		2013 ZAF	7.38	100	104	101	102	96	101	101	101	G -164 780 96	GZ 6.9 79 109	0.27 79 111	GZ -1.6 80 102	0.08 80 110	GZ 4.4 78 89	GZ -5.6 75 110	GZ112 76	1 1			282						
48935902	Q IMPULS-ET		1998 DNK	5.44	96	101	97	98	88	106	99	108	108 99 105	16.0 99 117	0.17 99 108	11.0 99 116	0.11 99 113	12.0 98 81	0.0 93 99	90 96	1439 86			253	19	2982				
47887146	Q ZIK-ET		1998 DNK	1.11	102	108	101	90	106	94	80	112	-587 98 81	17.0 97 118	0.91 97 137	-9.0 98 94	0.26 98 127	-10.0 94 103	-6.0 82 111	111 88	487 57			260	15	1067				
79203410	ROWLEYS 11 VISIONARY CHILI-ET		2012 USA	8.84	102	103	103	98	100	104	101	103	199 98 108	1.0 98 104	-0.16 98 94	10.0 98 115	0.04 98 106	1.0 95 92	-6.0 83 111	97 87	544 41			260	15	1243				
68718972	SCHULTZ RESCUE HEADLINE-ET		2004 USA	10.83	106	100	110	99	104	104	102	97	647 99 124	-14.0 99 91	-0.74 99 71	4.0 99 108	-0.32 99 72	-11.0 98 104	-11.0 91 121	126 94	1027 81			262	14	2347				
80947245	SCHULTZ VOLCANO HARRIS ET		2012 USA	6.47	102	101	102	104	102	98	100	117	882 98 132	28.0 98 127	-0.28 98 90	31.0 98 139	-0.05 98 95	-1.0 98 94	20.0 84 60	72 88	519 24			268	9	1191				
81439291	STEINHAUERS SAMSON LEMONHEAD		2013 USA	7.55	104	105	105	97	101	89	106	99	G 6 799 102	GZ 5.0 99 107	0.08 99 104	GZ 2.0 99 106	0.03 99 105	GZ -11.0 99 104	GZ -11.0 96 121	GZ104 98	735 44	4 2		263	13	1567				
78071370	TOLLENAARS ROYALTY - ET		2011 USA	12.64	93	93	95	98	88	92	93	104	M 171 71 107	M -5.9 65 98	-0.25 65 91	M 5.0 67 110	-0.03 67 100	M 11.9 63 81	M 1.9 58 96	M 94 44	26 7			254	26	47				
86920857	VJ DUNKAERGAARD HUZZAR HUUS ET		2015 DNK	6.20	101	105	100	100	95	106	103	95	G -636 795 79	GZ -4.0 92 100	0.57 92 123	GZ -8.0 93 95	0.32 93 133	GZ -5.0 88 98	GZ -11.0 82 121	GZ107 84	56 8	5 2		254	20	112				

Bulls

Bulls are sorted alphabetically

M = MACE (International) breeding values AND reliabilities

G = Genomically enhanced EBV

■ Above breed average

■ Top 10% of the breed

■ Bottom 10% of the breed

Bull Information					Selection Indices								Breeding Values (EBV) , Reliabilities (B) and Indices (Ind)											S.A. Daughters and Herds				
Farmnr Regno	Name	Parent Verification	BYear Cnt	% In- brding	SAINET	CYI	FMI	Body	Udder	Feet & Legs	BWC	EFI	Milk B Ind	BFat B Ind	BFat% B Ind	Protein B Ind	Prot% B Ind	Somatics B Ind	Calflnt B Ind	Herdlife B	Lact. > 149d Dghts. Hds.	Lakt.<150dae Dghts Hds.	Avg L Ingth	%Shrt Lact	Compl Lact			
Active Breed Average:				7.28	102	102	102	101	101	101	101	101	38	5.2	0.06	2.7	0.02	-4.0	-0.7	103								
87343885	VJ HAWK-ET		2017 DNK	9.40	106	107	105	100	106	96	99	103	G -239 798 93	GZ -1.0 97 102	0.21 97 109	GZ 7.0 98 112	0.29 98 130	GZ -31.0 92 124	GZ 1.0 83 97	GZ 90 84	127 6	6 2	258 16	270				
78401817	VJ HERODOT - ET		2009 DNK	3.60	101	105	102	105	95	112	94	102	G -282 789 92	GZ 10.0 85 112	0.44 85 118	GZ -11.0 88 92	0.00 88 103	GZ 18.0 80 75	GZ-13.0 74 124	GZ122 68	38 7		261 17	69				
79092425	VJ HILARIO ET		2009 DNK	6.31	99	100	100	101	92	117	97	104	G 111 799 105	GZ 1.0 99 104	-0.08 99 98	GZ 7.0 99 112	0.04 99 106	GZ -9.0 99 102	GZ 1.0 94 97	GZ 97 96	580 29		264 14	1349				
84896547	VJ HITMAN ET		2015 DNK	6.14	95	100	95	93	92	104	93	90	G -1029 799 66	GZ -25.0 99 82	0.61 99 125	GZ -24.0 99 77	0.33 99 134	GZ 16.0 99 77	GZ-18.0 91 134	GZ124 93	337 17	3 1	264 13	826				
78408465	VJ HOLDO - ET		2011 DNK	4.68	97	104	98	109	91	109	101	103	G -230 774 93	GZ 16.6 72 117	0.51 72 121	GZ -2.6 72 101	0.11 72 113	GZ 16.2 74 77	GZ-1.0 70 101	GZ116 66	4 3		285					
85311116	VJ QUINTANA ET		2015 DNK	6.90	101	107	102	103	93	101	103	104	G -179 799 95	GZ 19.0 99 119	0.50 99 121	GZ 2.0 99 106	0.16 99 118	GZ -19.0 99 112	GZ -4.0 97 107	GZ114 98	663 26	2 2	270 11	1663				
82248485	VJ RODME NYGAARD HUBERT RODME ET		2013 DNK	5.82	95	98	92	103	97	91	100	96	G -652 799 79	GZ -2.0 98 101	0.62 98 125	GZ -11.0 99 92	0.27 99 128	GZ -7.0 93 100	GZ 8.0 85 84	GZ 90 87	142 15		268 14	340				
87343844	VJ SAMSON ET		2016 DNK	6.84	101	106	103	97	86	114	101	111	M 207 64 109	M 30.0 54 129	0.31 54 113	M 13.5 56 119	0.09 56 111	M -10.1 67 103	M -2.7 54 104	M 96 37								

Bull average (herd) :	6.35	100	102	100	99	96	103	98	102	-164	4.2	0.26	-1.5	0.10	-1.9	-3.0	103
Nr bulls (herd):	31																
Bull average (breed):	7.65	102	102	102	102	102	101	101	102	98	5.6	0.02	4.2	0.01	-0.5	0.0	103
Nr bulls (breed):	1248																

Most Influential Bulls in the Herd

The difference between the Bull's breeding values and the Average Breeding Values of his Daughters reflects the Genetic Levels of the Dams
The difference between the Average Breeding Values of the Bull's daughters in the Herd and in the Breed reflects the Genetic Level of the Herd within the Breed

Herd Daughters > All Daughters

Herd Daughters < All Daughters

Name		Total Daughters Year of Birth		Active Daughters Year of Birth		Breeding Value- and Selection Indices												
Regnr	Country	In SA In Milk	In Herd In Milk	In SA In Milk	In Herd In Milk		Milk	BFat	Prot	BF%	Prot%	SCS	ICP	HLife	Udder	F&L	EFI	SAINET
Breed Average :						103	107	107	103	105	97	101	103	101	101	102	102	
Herd Average :						96	105	101	108	110	93	105	103	95	104	100	99	
1	VJ QUINTANA ET	2017	- 2022	2018	- 2022	Bull EBVs :												
		766	13	229	13	Herd Daugtr EBVs :												
	85311116	663	0	202	0	All Daughter EBVs :												
2	CAL-MART MEDALIST PILGRIM ET	2014	- 2023	2015	- 2022	Bull EBVs :												
		1319	6	221	6	Herd Daugtr EBVs :												
	79203451	883	0	198	0	All Daughter EBVs :												
3	CAL-MART SPARKY HONOK ET	2016	- 2023	2016	- 2020	Bull EBVs :												
		90	5	13	5	Herd Daugtr EBVs :												
	81548760	38	0	5	0	All Daughter EBVs :												

Cows

Animals sorted on farmersnumber within birth year

*Inbreeding in red is high

Above breed average

Top 10% of the breed

Bottom 10% of the breed

G = Genomically enhanced EBV

Cow				Selection Indices								Breeding Values (EBV), Reliabilities (B) and Indices (Ind)													Average Production Values							Pedigree		
FarmNr Regno	Parent Verification	Name	% In- brd*	SAI	CYI	FMI	Body	Udder	F&L	BWC	EFI	Milk B	Bfat Ind	Bfat% B Ind	Prot B Ind	Prot% B Ind	SCS B Ind	Calf Int B Ind	HerdLif B °	Tests/lact. 1 2 3	Nr Lac	ICP	Kg Milk	Kg Bfat	% Bfat	Kg Prot	% Prot	Sire Dam	Dam Byear					
Active Breed Average:			7.28	102	102	102	101	101	101	101	101	38	5.2	0.06	2.7	0.02	-4.0	-0.7	103															
												Year of Birth : 2007																						
NEU0706 69116887		HAYSTACK LAN BRANDY	6.47	94	90	91	88	97	91	88	95	-414 36	-21.1 87	0.01 35	-19.3 36	-0.05 36	9.6 33	-5.3 84	86 32			7	557	5445	274	5.0	219	4.0	FORTUNATA LANCELOT NEU 980009	1998				
NEU0731 69116978		HAYSTACK ZIK HOOP	3.65	99	99	97	92	104	110	103	87	-654 53	-15.6 79	0.36 51	-22.8 52	0.05 78	7.6 39	-12.4 86	113 30		8	8	5	616	5562	291	5.2	217	3.9	Q ZIK-ET NEU010005	2001			
												Year of Birth : 2009																						
NEU0927 70053145		HAYSTACK ZIK SMOK	6.14	96	97	95	92	93	98	97	99	-313 36	-0.3 91	0.28 34	-10.3 36	0.04 92	-0.2 36	-4.3 106	96 32		6	5	594	5154	282	5.5	209	4.1	Q ZIK-ET NEU 070005	2007				
NEU0942 70053350		HAYSTACK LSK LARN	6.51	97	102	96	109	95	107	97	102	-360 39	6.9 89	0.45 35	-3.4 109	0.19 38	12.7 100	-1.2 38	96 120		7	7	7	3	1149	4925	245	5.0	193	3.9	DJ LIRSK-ET DWH9904	1999		
TEAL 69581528		HAYSTACK LSK TEAL	5.74	99	104	99	109	88	119	102	100	-376 36	9.4 88	0.51 32	-4.2 121	0.19 35	8.7 99	-3.6 120	112 27		6	7	5	6	397	6565	346	5.3	260	4.0	DJ LIRSK-ET NEU020009	2002		
												Year of Birth : 2010																						
10073 72695281		OMIKRON HEADLINE STAR 1- ET	8.20	102	101	104	103	98	103	100	98	140 56	-11.9 106	-0.33 52	3.1 88	-0.04 56	7.3 107	-9.6 56	114 37		6	3	7	6	405	6472	273	4.2	236	3.7	SCHULTZ RESCUE HEADLINE-ET 015	2002		
												Year of Birth : 2011																						
1101 73209926		FORTUNATA ZUMA STERN 1 - ET	10.23	103	106	103	98	100	111	98	105	GZ -88 82	GZ 7.2 98	0.20 82	GZ 6.1 109	0.17 82	GZ 1.3 111	GZ -3.5 82	GZ 405 118		6	5	6	5	427	7532	384	5.1	299	4.0	DJ ZUMA - ET 015	2002		
NEU1102 73707176		HAYSTACK IMP PARK	4.10	92	95	92	94	87	100	98	101	-191 53	2.3 95	0.20 46	-1.8 105	0.10 46	6.0 109	0.0 52	87 102		7	3	4	646	7109	364	5.1	281	4.0	Q IMPULS-ET NEU0717	2007			
												Year of Birth : 2012																						
1202 75078386		FORTUNATA ZUMA JOAN - ET	8.76	101	103	103	91	97	101	94	105	GZ 14 81	GZ 1.9 102	-0.04 81	GZ 4.7 101	0.07 81	GZ 10.3 109	GZ -4.7 81	GZ 113 108		7	6	6	5	443	8453	438	5.2	340	4.0	DJ ZUMA - ET 72678923	2004		
												Year of Birth : 2013																						
1303 77299493		FORTUNATA RENEGADE SOUND 2	7.13	97	98	96	92	94	111	103	100	-103 39	10.0 98	0.25 38	-2.8 112	0.02 38	5.4 101	3.6 38	95 104		6	5	4	418	8285	410	5.0	304	3.7	BW RENEGADE-ET SUZY 9	2001			
1385 77461291		OMIKRON HOLMER STAR	5.66	101	102	101	103	97	103	100	99	-143 38	-0.9 96	0.11 36	-2.5 102	0.05 36	-5.6 105	-5.2 37	104 101		8	2	1271	7289	326	4.5	277	3.8	DJ HOLMER -ET 10074	2010				
NEU1302 76987874		HAYSTACK LIX LULU 5	5.41	95	99	91	108	95	100	96	100	-672 56	4.8 78	0.75 45	-11.6 107	0.27 45	11.8 131	0.1 51	79 91		5	7	3	4	488	0	0	0.0	0	0.0	DJ LIX - ET NEU1010	2010		
NEU1320 78253457		HAYSTACK RENE 3	5.75	92	95	92	81	90	103	93	101	-465 52	-1.6 85	0.41 45	-9.7 117	0.15 45	0.1 50	-3.2 93	90 117		7	7	3	495	0	0	0.0	0	0.0	BW RENEGADE-ET NEU1110	2011			

Cows

Animals sorted on farmersnumber within birth year

*Inbreeding in red is high

Above breed average

Top 10% of the breed

Bottom 10% of the breed

G = Genomically enhanced EBV

Cow				Selection Indices								Breeding Values (EBV), Reliabilities (B) and Indices (Ind)													Average Production Values							Pedigree		
FarmNr Regno	Parent Verification	Name	% In- brd*	SAI	CYI	FMI	Body	Udder	F&L	BWC	EFI	Milk B	Bfat Ind	Bfat% B Ind	Prot B Ind	Prot% B Ind	SCS B Ind	Calf Int B Ind	HerdLif B e	Tests/lact. 1 2 3	Nr Lac	ICP	Kg Milk	Kg Bfat	% Bfat	Kg Prot	% Prot	Sire Dam	Dam Byear					
Active Breed Average:			7.28	102	102	102	101	101	101	101	101	38	5.2	0.06	2.7	0.02	-4.0	-0.7	103															
												Year of Birth : 2014																						
1417 79757365		FORTUNATA VJ HULK NORMA - ET	4.66	97	101	98	90	89	110	101	100	GZ-218 78	GZ 9.8 94	0.37 78	GZ-4.7 115	0.07 78	GZ 4.7 109	GZ-4.3 75	GZ 0.6 88	6	3	558	6661	332	5.0	234	3.5	DJ HULK - ET 75319251	2009					
1419 80279672		FORTUNATA VJ LIZA - ET	4.53	103	105	103	99	98	106	100	102	GZ -71 75	GZ17.8 99	0.37 75	GZ-5.8 118	-0.05 75	GZ6.4 98	GZ-5.6 74	GZ15 99	7 6	3	359	6561	366	5.6	235	3.6	DJ BINDY - ET 75319293	2007					
1420 80272750		FORTUNATA VJ NADIA - ET	4.66	100	103	99	96	93	111	104	97	GZ-342 75	GZ 6.8 90	0.45 75	GZ-9.3 119	0.07 75	GZ 7.9 109	GZ-5.5 74	GZ 0.7 101	6 6	3	454	6699	354	5.3	249	3.7	DJ HULK - ET 75319251	2009					
1422 80022429		FORTUNATA STAR 1 REGITZE	6.13	99	96	100	99	95	99	99	96	151 48	-18.3 107	-0.43 44	1.7 87	-0.07 44	4.8 84	-7.0 46	107 106	7 5	4	362	6992	319	4.6	260	3.7	TOLLENAARS ROYALTY - ET 10073	2010					
1427 79757357		FORTUNATA VJ BROILER NIKKA-ET	9.41	103	108	102	98	98	107	93	105	GZ-470 77	GZ 8.5 85	0.61 76	GZ-3.1 110	0.27 76	GZ 5.9 128	GZ-8.3 74	GZ 0.9 109	6	4	454	6242	323	5.2	246	3.9	DJ BROILER - ET 75319285	2007					
												Year of Birth : 2015																						
1508 81272759		FORTUNATA HOLDO HELGA 1	5.18	101	106	102	106	96	110	100	103	-142 19	10.6 97	0.30 17	1.6 112	0.12 17	12.1 113	-3.9 19	115 106	6	3	396	4379	243	5.6	176	4.0	VJ HOLDO - ET 1101	2011					
1524 81966046		FORTUNATA JESSE MARY 2	10.17	96	98	94	101	96	103	99	101	-212 17	6.7 94	0.30 17	-4.1 109	0.07 17	8.2 109	4.6 15	90 85		2	639	8507	360	4.2	256	3.0	FORTUNATA STERN JESSE 1304	2013					
1529 82119231		FORTUNATA STAR MAUD 1	8.48	102	102	102	105	103	107	101	100	114 38	-3.1 105	-0.16 36	3.0 100	-0.03 36	6.5 94	-2.9 37	104 105		1	0	0	0	0.0	0	0.0	BLUE MIST MADRID ET 10073	2010					
1535 82519760		FORTUNATA PUTIN NORMA 1	4.79	96	96	98	79	89	102	98	103	233 20	5.7 109	-0.11 19	3.6 96	-0.09 19	6.6 19	-3.8 108	95 15	4	1	0	4581	243	5.3	178	3.9	FORTUNATA PUTIN 1417	2014					
MEMO1 81627788		FORTUNATA MEMO 1	7.72	101	105	101	107	95	113	105	101	11 35	10.6 102	0.16 33	4.5 112	0.07 33	8.4 109	-3.3 35	101 106	4	2	681	4750	244	5.2	186	3.9	BLUE MIST MADRID ET JEJ110005	2011					
SOUND3 81628042		FORTUNATA HOLDO SOUND 3	4.02	96	101	97	101	92	108	103	101	-165 17	13.6 96	0.37 16	-2.5 115	0.07 16	12.9 115	0.9 17	105 101		1	0	6148	313	5.1	233	3.8	VJ HOLDO - ET 1303	2013					
												Year of Birth : 2016																						
1601 85369494		WRIGHT'S DAIRY ABBI	5.54	96	94	95	96	94	93	95	97	-188 28	-10.6 95	-0.02 25	-10.4 100	-0.05 27	-1.7 98	-4.6 20	96 15		1	0	0	0	0.0	0	0.0	CAL-MART SPARKY HONOK ET NEU0927	2009					
CHLOE 85303311		WRIGHT'S DAIRY HERODOT CHLOE	4.22	99	103	97	114	98	108	100	98	-477 33	7.4 85	0.58 28	-11.3 109	0.13 28	15.0 124	-4.8 31	100 91		1	0	0	0	0.0	0	0.0	VJ HERODOT - ET NEU1302	2013					
ELLA 85278869		WRIGHT'S DAIRY RODME ELLA	5.89	94	96	93	87	92	97	97	98	-558 36	-1.6 82	0.50 34	-10.4 102	0.21 34	-3.2 121	1.0 36	90 122		0							VJ RODME NYGAARD HUBERT RODME ET NEU1320	2013					
HANNI 82914425		FORTUNATA DRAPER HANNI	6.63	94	96	94	95	96	100	101	97	-231 31	-3.0 93	0.15 29	-4.7 101	0.07 29	1.2 107	-0.6 31	96 99		1	0	4936	267	5.4	197	4.0	FARIA BROTHERS DRAPER ET 1385	2013					
HILAC 2 83827832		FORTUNATA HILARIO HILAC 2	3.77	101	101	102	103	95	111	100	100	126 39	-5.3 106	-0.20 37	4.9 99	0.00 37	-1.0 93	-4.2 38	106 109		2	411	0	0	0.0	0	0.0	VJ HILARIO ET 10073	2010					
JEJ160021 83827824		FORTUNATA HILARIO HILAC 1	7.11	100	99	100	105	94	113	101	99	131 36	-8.5 106	-0.26 36	4.2 96	-0.02 36	-2.3 101	-2.4 31	102 109		2	431	0	0	0.0	0	0.0	VJ HILARIO ET 1422	2014					

Cows

Animals sorted on farmersnumber within birth year

*Inbreeding in red is high

Above breed average

Top 10% of the breed

Bottom 10% of the breed

G = Genomically enhanced EBV

Cow			Selection Indices									Breeding Values (EBV), Reliabilities (B) and Indices (Ind)													Average Production Values							Pedigree	
FarmNr Regno	Parent Verification	Name	% In- brd*	SAI	CYI	FMI	Body	Udder	F&L	BWC	EFI	Milk B	Bfat Ind	Bfat% B	Prot Ind	Prot% B	SCS B	Calf Int B	Herdlif B	Tests/lact. 1 2 3	Nr Lac	ICP	Kg Milk	Kg Bfat	% Bfat	Kg Prot	% Prot	Sire Dam	Dam Byear				
Active Breed Average:			7.28	102	102	102	101	101	101	101	101	38	5.2	0.06	2.7	0.02	-4.0	-0.7	103														
													Year of Birth : 2016																				
JEJ160037 84050830		FORTUNATA PILGRIM NADIA 2	5.54	102	102	102	99	99	107	103	97	-11 31	-0.7 101	-0.01 31	-2.4 101	-0.03 31	-2.5 30	-1.5 96	111 27	102 28				1	0	0	0	0.0	0	0.0	CAL-MART MEDALIST PILGRIM ET 1420	2014	
MN160004 85278851		WRIGHT'S DAIRY RODME DAISY	4.23	97	99	95	95	101	102	100	93	-653 37	-8.6 79	0.48 36	-16.9 120	0.16 36	0.5 118	-3.3 31	101 24	106 26				2	390	0	0	0.0	0	0.0	VJ RODME NYGAARD HUBERT RODME ET NEU0731	2007	
STERN 6 83439844		FORTUNATA DRAPER STERN 6	6.90	93	97	92	102	93	100	105	97	-301 30	0.6 91	0.28 29	-1.7 102	0.17 29	10.4 119	2.5 18	92 94	20				2	390	0	0	0.0	0	0.0	FARIA BROTHERS DRAPER ET 1301	2013	
TOFFY1 82961277		FORTUNATA ZUMA TOFFY 1	9.02	101	105	101	103	96	113	98	100	-408 34	4.2 87	0.45 33	-7.3 119	0.16 34	-3.9 118	-6.9 31	109 28	103 30				2	381	5050	282	5.6	208	4.1	DJ ZUMA - ET TEAL	2009	
													Year of Birth : 2017																				
HEIDI 85282739		WRIGHT'S DAIRY LEMONHEAD HEIDI	4.38	97	99	98	85	92	94	101	99	-129 36	4.4 97	0.18 35	-3.2 100	0.03 35	0.2 105	-8.1 31	104 26	115 28				1	0	0	0	0.0	0	0.0	STEINHAUERS SAMSON LEMONHEAD 1417	2014	
ILY 85282721		WRIGHT'S DAIRY LEMONHEAD ILY	3.73	102	105	102	97	96	98	97	103	-238 36	6.5 93	0.32 36	-1.5 102	0.13 36	-3.5 115	-8.1 31	104 26	115 28				1	0	0	0	0.0	0	0.0	STEINHAUERS SAMSON LEMONHEAD 1427	2014	
JODI 85278885		WRIGHT'S DAIRY HILARIO JODI	6.31	99	103	99	108	88	119	102	101	-133 34	5.3 97	0.21 32	1.3 105	0.11 33	-0.3 113	-1.9 31	104 25	103 27				1	0	0	0	0.0	0	0.0	VJ HILARIO ET TEAL	2009	

Average (cow herd): 6.13 98 100 98 98 95 105 99 100 -211 1.2 0.22 -4.0 0.08 2.9 -3.6 102

Nr of cows (herd): 36670

Cow average (breed): 7.07 101 101 101 100 100 101 101 101 13 2.5 0.03 1.1 0.01 -2.0 -0.4 103

Nr cows (breed): 37

Cows with Most Influence in the Herd

Cows with Most Daughters in Milk and Most Lactations

Daughter EBVs > Dam EBVs

Daughter EBVs < Dam EBVs

Farmnr Regno Byear	Sire Country of Sire	Nr Lact	Tot Dghtrs Birth Years Total In Milk	Act Dghtrs Birth Years Total In Milk	BREEDING VALUE- AND SELECTION INDICES											
					Milk	BFat	Prot	BF%	Prot%	UdHealth	Fert	HLife	EFI	SAINET		
					Breed Average :					103	107	107	103	105	97	101
Herd Average :					96	105	101	108	110	93	105	103	100	99		
1	NEU0731 69116978 2007	Q ZIK-ET DNK	5	2012 - 2016 3 2	2016 - 2016 1 0	Cow EBVi:	79	90	78	115	107	86	123	113	87	99
	Dghtr EBVi:	87		96	89	111	109	89	116	113	94	101				
	2	NEU0706 69116887 2007		FORTUNATA LANCELOT ZAF	7	2008 - 2017 3 1	2017 - 2017 1 0	Cow EBVi:	87	85	82	101	98	84	110	86
Dghtr EBVi:	92	95	91	106		103	92	108	84	98	97					
3	TEAL 69581528 2009	DJ LIRSK-ET DNK	6	2011 - 2017 3 1		2016 - 2017 2 0	Cow EBVi:	88	111	99	121	120	85	106	112	100
Dghtr EBVi:	94	110		104	114	116	91	108	106	102	100					
4	10073 72695281 2010	SCHULTZ RESCUE HEADLINE-ET USA		6	2014 - 2016 3 1	2014 - 2016 3 1	Cow EBVi:	106	93	107	88	99	86	118	114	98
Dghtr EBVi:	106	95	107		90	100	90	108	106	99	100					
5	1101 73209926 2011	DJ ZUMA - ET DNK	5		2015 - 2018 2 1	2015 - 2018 2 1	Cow EBVi:	98	109	111	109	118	92	106	105	105
Dghtr EBVi:	107	115		115	105	110	87	96	101	106	101					
6	NEU1302 76987874 2013	DJ LIX - ET DNK		4	2014 - 2016 2 1	2016 - 2016 1 0	Cow EBVi:	78	107	91	131	128	81	99	79	100
Dghtr EBVi:	79	108	86		131	120	92	109	94	97	99					
7	NEU0942 70053350 2009	DJ LIRSK-ET DNK	3		2011 - 2018 2 1	2018 - 2018 1 0	Cow EBVi:	89	109	100	119	120	81	102	96	102
Dghtr EBVi:	99	108		108	107	113	83	102	100	103	99					
8	1417 79757365 2014	DJ HULK - ET DNK		3	2015 - 2018 3 1	2015 - 2018 3 1	Cow EBVi:	94	111	99	115	109	88	108	106	100
Dghtr EBVi:	100	109	103		107	103	92	110	103	101	97					

Heifers

Animals sorted on farmersnumber within birth year

*Inbreeding in red is high

Top 10% of the breed

Bottom 10% of the breed

Above breed average

M = MACE EBV G = Genomically enhanced EBV

Heifer				Selection Indices									EBVs, Reliabilities (B) and Indices (Ind)											Pedigree		
Farmnr Regno	Parent Verification	Name	BYear	% In- breeding	SAI	CYI	FMI	Body	Udder	F&L	BWC	EFI	Milk B	Bfat Ind	Bfat% B	Prot Ind	Prot% B	SCS B	Calf Int B	Int Ind	Herdlife B	Sire	Dam BYear			
Active Breed Average:				7.28	102	102	102	101	101	101	101	101	38	5.2	0.06	2.7	0.02	-4.0	-0.7	103.2						
					Year of Birth :									2017												
FILLY 85279867		WRIGHT'S DAIRY HONOK FILLY		6.12	97	98	95	100	99	93	95	98	-374 29	-6.6 89	0.23 25	-10.6 28	0.07 110	-1.4 21	-0.5 95	98 15	98 18		CAL-MART SPARKY HONOK ET	NEU0844 2008		
GEM 85278877		WRIGHT'S DAIRY HONOK GEM		6.46	96	95	95	102	95	100	97	98	-132 28	-6.5 97	0.00 25	-6.8 101	-0.03 27	4.4 96	-0.1 89	93 13	93 16		CAL-MART SPARKY HONOK ET	NEU1113 2011		
JOAN ! 85608099		WRIGHT'S DAIRY HARRIS JOAN 1		6.41	101	101	102	99	101	98	95	110	410 34	7.9 116	-0.22 34	15.5 92	-0.01 34	-4.5 102	8.3 30	83 31	92		SCHULTZ VOLCANO HARRIS ET	1202 2012		
KIM 85278893		WRIGHT'S DAIRY HILARIO KIM		8.33	100	101	100	101	92	113	101	101	5 34	7.6 102	0.12 33	-1.0 106	-0.02 34	-7.6 103	-0.5 28	103 23	103 25		VJ HILARIO ET	1419 2014		
MN170027 86355054		WRIGHT'S DAIRY CHILI LOLLY		8.45	98	96	97	90	97	101	95	99	-107 34	-10.1 98	-0.08 33	-4.5 94	-0.01 33	5.3 99	-5.8 32	91 88	91 30		ROWLEYS 11 VISIONARY CHILI-ET	NEU0706 2007		
NADIA 1 85608107		WRIGHT'S DAIRY HONOK NADIA 1		4.13	96	95	95	92	98	98	97	94	-294 25	-11.8 91	0.06 22	-14.8 103	-0.06 24	-1.0 97	-2.4 18	100 12	100 15		CAL-MART SPARKY HONOK ET	1420 2014		
SOUND 4 85344489		WRIGHT'S DAIRY HONOK SOUND 4		5.34	95	95	95	97	92	104	99	98	-114 23	-3.6 97	0.03 20	-6.5 100	-0.04 20	4.9 102	-1.2 22	100 97	100 13		CAL-MART SPARKY HONOK ET	SOUND3 2015		
SOUND 5 85627214		WRIGHT'S DAIRY PILGRIM SOUND 5		7.63	101	101	102	98	98	105	102	102	200 34	5.7 108	-0.09 34	5.8 97	-0.03 34	-0.4 100	1.5 33	106 94	106 31		CAL-MART MEDALIST PILGRIM ET	1303 2013		
					Year of Birth :									2018												
MN180001 86840832		WRIGHT'S DAIRY STERN 7		7.28	101	103	102	104	99	106	101	109	413 35	15.9 116	-0.10 35	18.1 124	0.03 35	1.3 105	7.6 33	88 92	88 31		SCHULTZ VOLCANO HARRIS ET	1101 2011		
MN180002 86840840		WRIGHT'S DAIRY TOFFY 2		12.51	102	107	102	103	95	108	101	102	-294 33	11.6 91	0.47 113	-2.7 33	0.15 101	-11.6 33	-5.7 117	112 28	112 30		VJ QUINTANA ET	TOFFY1 2016		
MN180003 86842077		WRIGHT'S DAIRY HELGA 2		5.67	101	103	102	105	99	105	100	110	370 29	19.1 114	-0.02 29	16.2 100	0.03 29	5.5 122	8.2 29	94 88	94 26		SCHULTZ VOLCANO HARRIS ET	1508 2015		
MN180005 86939568		WRIGHT'S DAIRY PILGRIM LARN 2		7.22	102	104	103	107	100	104	99	103	72 35	4.1 104	0.00 33	5.5 107	0.04 33	3.2 110	-0.9 34	107 29	107 29		CAL-MART MEDALIST PILGRIM ET	NEU0942 2009		
MN180008 87141362		WRIGHT'S DAIRY PILGRIM ABBI 2		6.66	101	99	102	100	98	95	98	100	157 32	-4.6 107	-0.22 31	2.0 99	-0.07 31	-3.9 106	-2.6 31	107 27	107 27		CAL-MART MEDALIST PILGRIM ET	1601 2016		
MN180010 87141370		WRIGHT'S DAIRY QUINTANA HILAC 3		8.17	101	104	102	104	94	109	102	101	-24 34	5.2 101	0.10 33	3.1 108	0.07 33	-10.8 105	-3.5 34	108 27	108 29		VJ QUINTANA ET	JEJ160021 2016		
MN180011 88080098		WRIGHT'S DAIRY REGITZE 2		7.18	101	103	102	101	95	103	101	100	-14 37	0.3 101	0.01 36	1.8 103	0.04 36	-7.2 106	-5.8 31	111 25	111 27		VJ QUINTANA ET	1422 2014		
MN180012 88080106		WRIGHT'S DAIRY HITMAN JESS 2		7.19	98	100	98	100	93	106	99	94	-452 34	-15.1 86	0.16 34	-9.4 107	0.15 34	7.2 93	-11.1 34	115 27	115 27		VJ HITMAN ET	HILAC 2 2016		
MN180013 88080114		WRIGHT'S DAIRY HITMAN REGAE 2		5.66	96	99	95	94	93	106	100	94	-566 34	-7.4 82	0.41 34	-13.2 97	0.16 34	10.5 89	-7.2 34	110 118	110 27		VJ HITMAN ET	1303 2013		
MN180014 88080122		WRIGHT'S DAIRY QUINTANA NORMA 2		10.07	99	103	99	94	92	105	103	100	-222 36	11.6 94	0.39 35	-3.5 113	0.09 35	-3.9 116	-3.9 35	109 27	109 27		VJ QUINTANA ET	1417 2014		
STERN 8 86939550		WRIGHT'S DAIRY QUINTANA STERN 8		8.03	97	102	97	102	93	101	104	101	-240 32	9.8 93	0.38 32	0.1 111	0.16 32	-4.4 118	-1.0 30	103 25	103 27		VJ QUINTANA ET	STERN 6 2016		

Heifers

Animals sorted on farmersnumber within birth year

*Inbreeding in red is high

Top 10% of the breed

Bottom 10% of the breed

Above breed average

M = MACE EBV G = Genomically enhanced EBV

Heifer				Selection Indices								EBVs, Reliabilities (B) and Indices (Ind)										Pedigree	
Farmnr Regno	Parent Verification	Name	% In- breeding	SAI	CYI	FMI	Body	Udder	F&L	BWC	EFI	Milk B	Bfat B	Bfat% B	Prot B	Prot% B	SCS B	Calf Int B	Herdlife B	Sire	Dam BYear		
Active Breed Average:			7.28	102	102	102	101	101	101	101	101	38	5.2	0.06	2.7	0.02	-4.0	-0.7	103.2				
				Year of Birth :								2019											
HILAC 3 89406375		WRIGHT'S DAIRY HAWK HILAC 3	8.38	102	103	102	103	99	103	101	100	-54 32	-4.8 100	-0.04 99	5.5 32	0.13 110	-16.8 32	-0.6 110	96 22		VJ HAWK-ET	JEJ160021 2016	
HILAC 4 89406391		WRIGHT'S DAIRY HAWK HILAC 4	8.11	103	104	103	102	100	102	101	101	-57 33	-3.2 99	-0.01 32	5.8 110	0.13 33	-16.2 115	-1.5 29	98 102		VJ HAWK-ET	HILAC 2 2016	
ILY 2 89406367		WRIGHT'S DAIRY HITMAN ILY 2	5.80	98	102	99	97	94	101	97	95	-633 33	-9.1 80	0.45 95	-12.6 33	0.22 90	6.0 33	-13.0 123	114 31		VJ HITMAN ET	ILY 2017	
JODY 2 89406359		WRIGHT'S DAIRY SAMSON JODI 2	9.43	101	105	100	107	92	116	103	103	-147 13	14.5 96	0.37 13	3.6 115	0.16 13	-5.5 118	1.2 12	100 99		VJ SAMSON ET	JODI 2017	
MN190002 88552906		WRIGHT'S DAIRY QUINTANA JOAN 2	14.01	100	103	102	96	95	99	97	103	-121 34	3.6 97	0.16 34	1.0 105	0.10 34	-13.5 112	-3.8 33	113 107		VJ QUINTANA ET	1202 2012	
MN190003 88552914		WRIGHT'S DAIRY QUINTANA NADIA 3	10.07	100	103	99	98	94	106	104	97	-352 31	8.1 89	0.46 31	-8.7 94	0.09 31	-9.0 111	-3.5 29	109 102		VJ QUINTANA ET	1420 2014	
MN190004 88552922		WRIGHT'S DAIRY PARK 2	6.99	99	100	101	99	95	98	100	103	156 38	1.8 107	-0.11 36	6.3 111	0.00 38	-0.1 103	-0.2 34	102 100		CAL-MART MEDALIST PILGRIM ET	NEU1102 2011	
MN190005 88552930		WRIGHT'S DAIRY QUINTANA HEIDI 2	7.32	99	103	100	93	93	100	102	102	-154 34	11.7 96	0.33 33	-0.7 103	0.09 33	-9.5 111	-6.3 32	109 103		VJ QUINTANA ET	HEIDI 2017	
MN190006 88552948		WRIGHT'S DAIRY HUUS TOFFY 3	9.86	101	106	101	102	97	111	102	97	-522 30	0.3 83	0.50 28	-7.5 95	0.23 29	-4.5 124	-8.9 25	108 98		VJ DUNKAERGAARD HUZAR HUUS ET	TOFFY1 2016	
MN190007 88673652		WRIGHT'S DAIRY CHILI MARY 3	7.99	99	100	99	100	97	108	99	103	-7 29	3.8 101	0.06 28	3.1 106	0.05 28	4.6 107	-0.5 27	94 100		ROWLEYS 11 VISIONARY CHILI-ET	1524 2015	
MN190008 88673660		WRIGHT'S DAIRY HUUS HELGA 3	9.21	101	106	101	103	97	107	103	99	-389 26	3.5 88	0.42 24	-3.0 101	0.21 26	3.5 101	-7.4 22	111 90		VJ DUNKAERGAARD HUZAR HUUS ET	1508 2015	
MN190009 88673678		WRIGHT'S DAIRY PILGRIM STERN 9	7.59	101	102	101	104	99	101	103	101	101 32	1.0 105	-0.08 32	6.4 111	0.04 32	2.1 106	1.0 30	105 91		CAL-MART MEDALIST PILGRIM ET	STERN 6 2016	
MN190010 88673686		WRIGHT'S DAIRY QUINTANA DAISY 2	18.52	99	103	99	98	96	101	101	98	-416 34	5.2 87	0.48 34	-7.5 95	0.15 34	-9.4 117	-3.9 32	108 102		VJ QUINTANA ET	MN160004 2016	
MN190011 89406318		WRIGHT'S DAIRY QUINTANA REGITZE 3	7.18	101	103	102	101	95	103	101	100	-14 37	0.3 101	0.01 36	1.8 106	0.04 36	-7.2 106	-5.8 31	111 100		VJ QUINTANA ET	1422 2014	
MN190012 89406326		WRIGHT'S DAIRY QUINTANA NIKKA 2	8.46	101	107	101	101	94	105	97	105	-330 36	13.7 90	0.54 36	-1.8 102	0.19 36	-7.6 120	-5.1 31	109 101		VJ QUINTANA ET	1427 2014	
MN190013 89406334		WRIGHT'S DAIRY QUINTANA STAR 2	7.26	102	105	102	102	95	102	101	101	-161 34	9.1 96	0.29 33	-0.3 104	0.10 34	-12.4 112	-4.9 32	109 105		VJ QUINTANA ET	1385 2013	
MN190014 89406342		WRIGHT'S DAIRY QUINTANA TEAL 1	7.68	102	106	103	105	95	109	104	103	-84 34	14.8 99	0.32 33	3.2 107	0.11 33	-5.4 113	-3.9 31	108 99		VJ QUINTANA ET	MEMO1 2015	
MN190018 89406383		WRIGHT'S DAIRY SAMSON NADIA 3	5.76	102	104	101	102	97	108	104	101	-86 12	11.5 98	0.26 12	1.8 106	0.09 12	-6.6 111	1.5 12	103 96		VJ SAMSON ET	JEJ160037 2016	

Average (heifers in herd Nr heifers (herd)	8.06 37	100	102	100	100	96	104	100	101	-121	3.2	0.16	-0.2	0.08	-3.3	-2.5	104.2
Average (heifers in breed Nr heifers (breed)	7.56 15911	104	104	104	102	102	102	102	103	69	8.6	0.09	4.7	0.04	-6.5	-1.1	103.1

Selection List

Registered animals are sorted on SAINET
Commercial animals are sorted on EBV for protein

*Inbreeding above 6.25% is high!

Top 25% of the herd
Bottom 25% of the herd

Above breed average
M = MACE (International) breeding value

Top 10% of the breed

Bottom 10% of the breed

G = Genomically enhanced EBV

Animal					Selection Indices								Breeding Values										Pedigree			
	Farmnr Regno	Name	B Year	% In- brd	SAI	CYI	FMI	Body	Udder	F&L	BWC	EFI	EBV Milk	EBV Bfat	EBV Bfat%	EBV Prot	EBV Prot%	EBV Som	EBV Calf Int	EBV Herdlife	B	Sire	Dam	Dam BYr		
1	1419 80279672	FORTUNATA VJ LIZA - ET	2014	4.53	103.2	105	103	99	98	106	100	102	GZ -71	GZ 17.8	0.37	GZ -5.8	-0.05	GZ-6.4	GZ -5.6	GZ 115	75	DJ BINDY - ET	75319293	2007		
2	HILAC 4 89406391	WRIGHT'S DAIRY HAWK HILAC 4	2019	8.11	103.2	104	103	102	100	102	101	101	-57	-3.2	-0.01	5.8	0.13	-16.2	-1.5	98	33	VJ HAWK-ET	HILAC 2	2016		
3	1427 79757357	FORTUNATA VJ BROILER NIKKA-ET	2014	9.41	102.6	108	102	98	98	107	93	105	GZ -470	GZ 8.5	0.61	GZ -3.1	0.27	GZ-5.9	GZ -8.3	GZ 109	77	DJ BROILER - ET	75319285	2007		
4	1101 73209926	FORTUNATA ZUMA STERN 1 - ET	2011	10.23	102.6	106	103	98	100	111	98	105	GZ -88	GZ 7.2	0.20	GZ 6.1	0.17	GZ 1.3	GZ -3.5	GZ 105	82	DJ ZUMA - ET	015	2002		
5	HILAC 3 89406375	WRIGHT'S DAIRY HAWK HILAC 3	2019	8.38	102.4	103	102	103	99	103	101	100	-54	-4.8	-0.04	5.5	0.13	-16.8	-0.6	96	32	VJ HAWK-ET	JEJ160021	2016		
6	MN180005 86939568	WRIGHT'S DAIRY PILGRIM LARN 2	2018	7.22	102.2	104	103	107	100	104	99	103	72	4.1	0.00	5.5	0.04	3.2	-0.9	107	35	CAL-MART MEDALIST PILGRIM ET	NEU0942	2009		
7	MN180002 86840840	WRIGHT'S DAIRY TOFFY 2	2018	12.51	102.2	107	102	103	95	108	101	102	-294	11.6	0.47	-2.7	0.15	-11.6	-5.7	112	33	VJ QUINTANA ET	TOFFY1	2016		
8	MN190014 89406342	WRIGHT'S DAIRY QUINTANA TEAL 1	2019	7.68	102.2	106	103	105	95	109	104	103	-84	14.8	0.32	3.2	0.11	-5.4	-3.9	108	34	VJ QUINTANA ET	MEMO1	2015		
9	1529 82119231	FORTUNATA STAR MAUD 1	2015	8.48	102.0	102	102	105	103	107	101	100	114	-3.1	-0.16	3.0	-0.03	6.5	-2.9	104	38	BLUE MIST MADRID ET	10073	2010		
10	10073 72695281	OMIKRON HEADLINE STAR 1- ET	2010	8.20	101.9	101	104	103	98	103	100	98	140	-11.9	-0.33	3.1	-0.04	7.3	-9.6	114	56	SCHULTZ RESCUE HEADLINE-ET	015	2002		
11	MN190013 89406334	WRIGHT'S DAIRY QUINTANA STAR 2	2019	7.26	101.8	105	102	102	95	102	101	101	-161	9.1	0.29	-0.3	0.10	-12.4	-4.9	109	34	VJ QUINTANA ET	1385	2013		
12	MN190018 89406383	WRIGHT'S DAIRY SAMSON NADIA 3	2019	5.76	101.7	104	101	102	97	108	104	101	-86	11.5	0.26	1.8	0.09	-6.6	1.5	103	12	VJ SAMSON ET	JEJ160037	2016		
13	JEJ160037 84050830	FORTUNATA PILGRIM NADIA 2	2016	5.54	101.6	102	102	99	99	107	103	97	-11	-0.7	-0.01	-2.4	-0.03	-2.5	-1.5	111	31	CAL-MART MEDALIST PILGRIM ET	1420	2014		
14	ILY 85282721	WRIGHT'S DAIRY LEMONHEAD ILY	2017	3.73	101.6	105	102	97	96	98	97	103	-238	6.5	0.32	-1.5	0.13	-3.5	-8.1	104	36	STEINHAUERS SAMSON LEMONHEAD	1427	2014		
15	TOFFY1 82961277	FORTUNATA ZUMA TOFFY 1	2016	9.02	101.5	105	101	103	96	113	98	100	-408	4.2	0.45	-7.3	0.16	-3.9	-6.9	109	34	DJ ZUMA - ET	TEAL	2009		
16	MN190006 88552948	WRIGHT'S DAIRY HUUS TOFFY 3	2019	9.86	101.5	106	101	102	97	111	102	97	-522	0.3	0.50	-7.5	0.23	-4.5	-8.9	108	30	VJ DUNKAERGAARD HUZAR HUUS ET	TOFFY1	2016		
17	MN180001 86840832	WRIGHT'S DAIRY STERN 7	2018	7.28	101.3	103	102	104	99	106	101	109	413	15.9	-0.10	18.1	0.03	1.3	7.6	88	35	SCHULTZ VOLCANO HARRIS ET	1101	2011		
18	JOAN ! 85608099	WRIGHT'S DAIRY HARRIS JOAN 1	2017	6.41	101.3	101	102	99	101	98	95	110	410	7.9	-0.22	15.5	-0.01	-4.5	8.3	92	34	SCHULTZ VOLCANO HARRIS ET	1202	2012		
19	MN190008 88673660	WRIGHT'S DAIRY HUUS HELGA 3	2019	9.21	101.3	106	101	103	97	107	103	99	-389	3.5	0.42	-3.0	0.21	3.5	-7.4	111	26	VJ DUNKAERGAARD HUZAR HUUS ET	1508	2015		
20	1385 77461291	OMIKRON HOLMER STAR	2013	5.66	101.2	102	101	103	97	103	100	99	-143	-0.9	0.11	-2.5	0.05	-5.6	-5.2	104	38	DJ HOLMER -ET	10074	2010		
21	MEMO1 81627788	FORTUNATA MEMO 1	2015	7.72	101.2	105	101	107	95	113	105	101	11	10.6	0.16	4.5	0.07	8.4	-3.3	101	35	BLUE MIST MADRID ET	JEJ110005	2011		
22	MN180010 87141370	WRIGHT'S DAIRY QUINTANA HILAC 3	2018	8.17	101.1	104	102	104	94	109	102	101	-24	5.2	0.10	3.1	0.07	-10.8	-3.5	108	34	VJ QUINTANA ET	JEJ160021	2016		
23	MN180003 86842077	WRIGHT'S DAIRY HELGA 2	2018	5.67	101.1	103	102	105	99	105	100	110	370	19.1	-0.02	16.2	0.03	5.5	8.2	94	29	SCHULTZ VOLCANO HARRIS ET	1508	2015		
24	MN190012 89406326	WRIGHT'S DAIRY QUINTANA NIKKA 2	2019	8.46	101.1	107	101	101	94	105	97	105	-330	13.7	0.54	-1.8	0.19	-7.6	-5.1	109	36	VJ QUINTANA ET	1427	2014		
25	JODY 2 89406359	WRIGHT'S DAIRY SAMSON JODI 2	2019	9.43	101.0	105	100	107	92	116	103	103	-147	14.5	0.37	3.6	0.16	-5.5	1.2	100	13	VJ SAMSON ET	JODI	2017		

Selection List

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Bottom 25% of the herd

Above breed average

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M = MACE (International) breeding value

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Animal					Selection Indices								Breeding Values										Pedigree			
	Farmnr Regno	Name	B Year	% In- brd	SAI	CYI	FMI	Body	Udder	F&L	BWC	EFI	EBV Milk	EBV Bfat	EBV Bfat%	EBV Prot	EBV Prot%	EBV Som	EBV Calf Int	EBV Herdlife	B	Sire	Dam	Dam BYr		
26	1202 75078386	FORTUNATA ZUMA JOAN - ET	2012	8.76	101.0	103	103	91	97	101	94	105	G 14	G -1.9	-0.04	G 4.7	0.07	G 10.3	G -4.7	G 113	81	DJ ZUMA - ET	72678923	2004		
27	SOUND 5 85627214	WRIGHT'S DAIRY PILGRIM SOUND 5	2017	7.63	100.9	101	102	98	98	105	102	102	200	5.7	-0.09	5.8	-0.03	-0.4	1.5	106	34	CAL-MART MEDALIST PILGRIM ET	1303	2013		
28	MN190011 89406318	WRIGHT'S DAIRY QUINTANA REGITZE 3	2019	7.18	100.9	103	102	101	95	103	101	100	-14	0.3	0.01	1.8	0.04	-7.2	-5.8	111	37	VJ QUINTANA ET	1422	2014		
29	MN180011 88080098	WRIGHT'S DAIRY REGITZE 2	2018	7.18	100.9	103	102	101	95	103	101	100	-14	0.3	0.01	1.8	0.04	-7.2	-5.8	111	37	VJ QUINTANA ET	1422	2014		
30	MN180008 87141362	WRIGHT'S DAIRY PILGRIM ABBI 2	2018	6.66	100.8	99	102	100	98	95	98	100	157	-4.6	-0.22	2.0	-0.07	-3.9	-2.6	107	32	CAL-MART MEDALIST PILGRIM ET	1601	2016		
31	HILAC 2 83827832	FORTUNATA HILARIO HILAC 2	2016	3.77	100.7	101	102	103	95	111	100	100	126	-5.3	-0.20	4.9	0.00	-1.0	-4.2	106	39	VJ HILARIO ET	10073	2010		
32	1508 81272759	FORTUNATA HOLDO HELGA 1	2015	5.18	100.7	106	102	106	96	110	100	103	-142	10.6	0.30	1.6	0.12	12.1	-3.9	115	19	VJ HOLDO - ET	1101	2011		
33	MN190009 88673678	WRIGHT'S DAIRY PILGRIM STERN 9	2019	7.59	100.6	102	101	104	99	101	103	101	101	1.0	-0.08	6.4	0.04	2.1	1.0	105	32	CAL-MART MEDALIST PILGRIM ET	STERN 6	2016		
34	MN190002 88552906	WRIGHT'S DAIRY QUINTANA JOAN 2	2019	14.01	100.4	103	102	96	95	99	97	103	-121	3.6	0.16	1.0	0.10	-13.5	-3.8	113	34	VJ QUINTANA ET	1202	2012		
35	1420 80272750	FORTUNATA VJ NADIA - ET	2014	4.66	100.3	103	99	96	93	111	104	97	G -342	G 6.8	0.45	G -9.3	0.07	G 7.9	G -5.5	G 107	75	DJ HULK - ET	75319251	2009		
36	KIM 85278893	WRIGHT'S DAIRY HILARIO KIM	2017	8.33	99.9	101	100	101	92	113	101	101	5	7.6	0.12	-1.0	-0.02	-7.6	-0.5	103	34	VJ HILARIO ET	1419	2014		
37	MN190003 88552914	WRIGHT'S DAIRY QUINTANA NADIA 3	2019	10.07	99.6	103	99	98	94	106	104	97	-352	8.1	0.46	-8.7	0.09	-9.0	-3.5	109	31	VJ QUINTANA ET	1420	2014		
38	JEJ160021 83827824	FORTUNATA HILARIO HILAC 1	2016	7.11	99.5	99	100	105	94	113	101	99	131	-8.5	-0.26	4.2	-0.02	-2.3	-2.4	102	36	VJ HILARIO ET	1422	2014		
39	MN190010 88673686	WRIGHT'S DAIRY QUINTANA DAISY 2	2019	18.52	99.3	103	99	98	96	101	101	98	-416	5.2	0.48	-7.5	0.15	-9.4	-3.9	108	34	VJ QUINTANA ET	MN160004	2016		
40	MN190004 88552922	WRIGHT'S DAIRY PARK 2	2019	6.99	99.2	100	101	99	95	98	100	103	156	1.8	-0.11	6.3	0.00	-0.1	-0.2	102	38	CAL-MART MEDALIST PILGRIM ET	NEU1102	2011		
41	MN190007 88673652	WRIGHT'S DAIRY CHILI MARY 3	2019	7.99	99.1	100	99	100	97	108	99	103	-7	3.8	0.06	3.1	0.05	4.6	-0.5	94	29	ROWLEYS 11 VISIONARY CHILI-ET	1524	2015		
42	CHLOE 85303311	WRIGHT'S DAIRY HERODOT CHLOE	2016	4.22	99.1	103	97	114	98	108	100	98	-477	7.4	0.58	-11.3	0.13	15.0	-4.8	100	33	VJ HERODOT - ET	NEU1302	2013		
43	JODI 85278885	WRIGHT'S DAIRY HILARIO JODI	2017	6.31	99.0	103	99	108	88	119	102	101	-133	5.3	0.21	1.3	0.11	-0.3	-1.9	104	34	VJ HILARIO ET	TEAL	2009		
44	MN190005 88552930	WRIGHT'S DAIRY QUINTANA HEIDI 2	2019	7.32	99.0	103	100	93	93	100	102	102	-154	11.7	0.33	-0.7	0.09	-9.5	-6.3	109	34	VJ QUINTANA ET	HEIDI	2017		
45	NEU0731 69116978	HAYSTACK ZIK HOOP	2007	3.65	98.8	99	97	92	104	110	103	87	-654	-15.6	0.36	-22.8	0.05	7.6	-12.4	113	53	Q ZIK-ET	NEU010005	2001		
46	TEAL 69581528	HAYSTACK LSK TEAL	2009	5.74	98.7	104	99	109	88	119	102	100	-376	9.4	0.51	-4.2	0.19	8.7	-3.6	112	36	DJ LIRSK-ET	NEU020009	2002		
47	MN180014 88080122	WRIGHT'S DAIRY QUINTANA NORMA 2	2018	10.07	98.7	103	99	94	92	105	103	100	-222	11.6	0.39	-3.5	0.09	-3.9	-3.9	109	36	VJ QUINTANA ET	1417	2014		
48	1422 80022429	FORTUNATA STAR 1 REGITZE	2014	6.13	98.6	96	100	99	95	99	99	96	151	-18.3	-0.43	1.7	-0.07	4.8	-7.0	107	48	TOLLENAARS ROYALTY - ET	10073	2010		
49	ILY 2 89406367	WRIGHT'S DAIRY HITMAN ILY 2	2019	5.80	98.2	102	99	97	94	101	97	95	-633	-9.1	0.45	-12.6	0.22	6.0	-13.0	114	33	VJ HITMAN ET	ILY	2017		
50	MN180012 88080106	WRIGHT'S DAIRY HITMAN JESS 2	2018	7.19	97.7	100	98	100	93	106	99	94	-452	-15.1	0.16	-9.4	0.15	7.2	-11.1	115	34	VJ HITMAN ET	HILAC 2	2016		

Selection List

Registered animals are sorted on SAINET
Commercial animals are sorted on EBV for protein

*Inbreeding above 6.25% is high!

Top 25% of the herd
Bottom 25% of the herd

Above breed average

Top 10% of the breed

Bottom 10% of the breed

M = MACE (International) breeding value

G = Genomically enhanced EBV

Animal					Selection Indices								Breeding Values										Pedigree			
	Farmnr Regno	Name	B Year	% In- brd	SAI	CYI	FMI	Body	Udder	F&L	BWC	EFI	EBV Milk	EBV Bfat	EBV Bfat%	EBV Prot	EBV Prot%	EBV Som	EBV Calf Int	EBV Herdlife	B	Sire	Dam	Dam BYr		
51	MN170027 86355054	WRIGHT'S DAIRY CHILI LOLLY	2017	8.45	97.5	96	97	90	97	101	95	99	-107	-10.1	-0.08	-4.5	-0.01	5.3	-5.8	91	34	ROWLEYS 11 VISIONARY CHILI-ET	NEU0706	2007		
52	NEU0942 70053350	HAYSTACK LSK LARN	2009	6.51	97.5	102	96	109	95	107	97	102	-360	6.9	0.45	-3.4	0.19	12.7	-1.2	96	39	DJ LIRSK-ET	DWH9904	1999		
53	1417 79757365	FORTUNATA VJ HULK NORMA - ET	2014	4.66	97.3	101	98	90	89	110	101	100	G _Z -218	G _Z 9.8	0.37	G _Z -4.7	0.07	G _Z 4.7	G _Z -4.3	G _Z 106	78	DJ HULK - ET	75319251	2009		
54	MN160004 85278851	WRIGHT'S DAIRY RODME DAISY	2016	4.23	97.3	99	95	95	101	102	100	93	-653	-8.6	0.48	-16.9	0.16	0.5	-3.3	101	37	VJ RODME NYGAARD HUBERT RODME ET	NEU0731	2007		
55	STERN 8 86939550	WRIGHT'S DAIRY QUINTANA STERN 8	2018	8.03	97.1	102	97	102	93	101	104	101	-240	9.8	0.38	0.1	0.16	-4.4	-1.0	103	32	VJ QUINTANA ET	STERN 6	2016		
56	FILLY 85279867	WRIGHT'S DAIRY HONOK FILLY	2017	6.12	96.9	98	95	100	99	93	95	98	-374	-6.6	0.23	-10.6	0.07	-1.4	-0.5	98	29	CAL-MART SPARKY HONOK ET	NEU0844	2008		
57	HEIDI 85282739	WRIGHT'S DAIRY LEMONHEAD HEIDI	2017	4.38	96.9	99	98	85	92	94	101	99	-129	4.4	0.18	-3.2	0.03	0.2	-8.1	104	36	STEINHAUERS SAMSON LEMONHEAD	1417	2014		
58	1303 77299493	FORTUNATA RENEGADE SOUND 2	2013	7.13	96.6	98	96	92	94	111	103	100	-103	10.0	0.25	-2.8	0.02	5.4	3.6	95	39	BW RENEGADE-ET	SUZY 9	2001		
59	NADIA 1 85608107	WRIGHT'S DAIRY HONOK NADIA 1	2017	4.13	96.5	95	95	92	98	98	97	94	-294	-11.8	0.06	-14.8	-0.06	-1.0	-2.4	100	25	CAL-MART SPARKY HONOK ET	1420	2014		
60	SOUND3 81628042	FORTUNATA HOLDO SOUND 3	2015	4.02	96.4	101	97	101	92	108	103	101	-165	13.6	0.37	-2.5	0.07	12.9	0.9	105	17	VJ HOLDO - ET	1303	2013		
61	1535 82519760	FORTUNATA PUTIN NORMA 1	2015	4.79	96.3	96	98	79	89	102	98	103	233	5.7	-0.11	3.6	-0.09	6.6	-3.8	95	20	FORTUNATA PUTIN	1417	2014		
62	1524 81966046	FORTUNATA JESSE MARY 2	2015	10.17	96.2	98	94	101	96	103	99	101	-212	6.7	0.30	-4.1	0.07	8.2	4.6	90	17	FORTUNATA STERN JESSE	1304	2013		
63	GEM 85278877	WRIGHT'S DAIRY HONOK GEM	2017	6.46	96.2	95	95	102	95	100	97	98	-132	-6.5	0.00	-6.8	-0.03	4.4	-0.1	93	28	CAL-MART SPARKY HONOK ET	NEU1113	2011		
64	NEU0927 70053145	HAYSTACK ZIK SMOK	2009	6.14	96.0	97	95	92	93	98	97	99	-313	-0.3	0.28	-10.3	0.04	-0.2	-4.3	96	36	Q ZIK-ET	NEU 070005	2007		
65	1601 85369494	WRIGHT'S DAIRY ABBI	2016	5.54	95.7	94	95	96	94	93	95	97	-188	-10.6	-0.02	-10.4	-0.05	-1.7	-4.6	96	28	CAL-MART SPARKY HONOK ET	NEU0927	2009		
66	MN180013 88080114	WRIGHT'S DAIRY HITMAN REGAE 2	2018	5.66	95.7	99	95	94	93	106	100	94	-566	-7.4	0.41	-13.2	0.16	10.5	-7.2	110	34	VJ HITMAN ET	1303	2013		
67	SOUND 4 85344489	WRIGHT'S DAIRY HONOK SOUND 4	2017	5.34	95.3	95	95	97	92	104	99	98	-114	-3.6	0.03	-6.5	-0.04	4.9	-1.2	100	23	CAL-MART SPARKY HONOK ET	SOUND3	2015		
68	NEU1302 76987874	HAYSTACK LIX LULU 5	2013	5.41	94.7	99	91	108	95	100	96	100	-672	4.8	0.75	-11.6	0.27	11.8	0.1	79	56	DJ LIX - ET	NEU1010	2010		
69	HANNI 82914425	FORTUNATA DRAPER HANNI	2016	6.63	94.4	96	94	95	96	100	101	97	-231	-3.0	0.15	-4.7	0.07	1.2	-0.6	96	31	FARIA BROTHERS DRAPER ET	1385	2013		
70	ELLA 85278869	WRIGHT'S DAIRY RODME ELLA	2016	5.89	94.0	96	93	87	92	97	97	98	-558	-1.6	0.50	-10.4	0.21	-3.2	1.0	90	36	VJ RODME NYGAARD HUBERT RODME ET	NEU1320	2013		
71	NEU0706 69116887	HAYSTACK LAN BRANDY	2007	6.47	93.9	90	91	88	97	91	88	95	-414	-21.1	0.01	-19.3	-0.05	9.6	-5.3	86	36	FORTUNATA LANCELOT	NEU 980009	1998		
72	STERN 6 83439844	FORTUNATA DRAPER STERN 6	2016	6.90	92.8	97	92	102	93	100	105	97	-301	0.6	0.28	-1.7	0.17	10.4	2.5	92	30	FARIA BROTHERS DRAPER ET	1301	2013		
73	NEU1320 78253457	HAYSTACK RENE 3	2013	5.75	92.4	95	92	81	90	103	93	101	-465	-1.6	0.41	-9.7	0.15	0.1	-3.2	90	52	BW RENEGADE-ET	NEU1110	2011		
74	NEU1102 73707176	HAYSTACK IMP PARK	2011	4.10	92.0	95	92	94	87	100	98	101	-191	2.3	0.20	-1.8	0.10	6.0	0.0	87	53	Q IMPULS-ET	NEU0717	2007		

Logix Conformation and Udder Traits : Bulls

Only sires of classified cows are indicated.

Bull Information								Selection Indices							Conformation Breeding Values										Udder Breeding Values											
Bull Name	SAI	Body	Udder	Feet & Legs	BWC	EFI	B	WH Wither Height	CW Chest Width	BD Body Depth	DS Dairy Strengt	RA Rump	TW Thurl Width	RLS RearLegs	RLR RearLegs	BS Bone Structure	FA Foot Angle	FUA ForeUdder	RUH RearUdder Height	RUW RearUdder Width	UC Udder Cleft	UD Udder Depth	FTP Front Teat	RTP Rear Teat	TL Teat Length	B	S.A. daughters/ herds									
BLUE MIST MADRID ET	101	105	101	112	109	98	86	107	107	102	101	100	110	100	104	108	103	100	103	104	100	101	100	99	97	86	100	24								
BW RENEGADE-ET	94	86	94	101	101	101	97	97	97	92	90	102	99	106	100	100	97	88	100	96	91	99	99	99	99	97	541	55								
CAL-MART SPARKY HONOK ET	100	91	101	98	94	96	71	89	98	92	96	92	101	95	104	95	103	103	99	103	101	105	100	100	90	71	35	11								
DJ BINDY - ET	93	96	84	96	96	98	73	98	97	95	99	103	95	103	97	100	99	84	89	93	94	93	98	98	103	73	1	1								
DJ HOLMER -ET	100	97	97	99	93	98	96	93	93	102	101	95	95	104	91	103	97	107	97	96	89	102	94	97	103	96	143	19								
DJ HULK - ET	95	93	87	109	102	99	88	99	99	100	95	94	96	92	95	102	108	95	90	94	94	98	91	90	106	88	9	5								
DJ LIRSK-ET	103	123	88	120	104	107	79	106	112	113	112	107	98	92	107	110	111	98	91	93	93	96	91	91	105	79	47	12								
DJ ZUMA - ET	102	89	102	100	92	101	99	90	90	95	95	99	96	100	103	97	102	103	104	98	96	105	98	99	91	99	1074	62								
FARIA BROTHERS DRAPER ET	92	93	97	100	98	98	78	97	92	98	95	101	96	104	100	101	95	92	108	100	104	99	93	97	112	78	56	13								
FORTUNATA LANCELOT	95	102	86	104	98	90	97	88	111	103	97	108	89	108	92	110	97	102	86	85	79	100	92	95	97	97	564	108								
 FORTUNATA PUTIN	103	92	101	102	98	110	86	101	95	91	96	102	101	103	100	95	104	96	101	102	95	102	100	100	91	86	32	3								
Q IMPULS-ET	96	98	88	106	99	108	98	102	102	100	101	99	92	105	102	98	104	88	97	92	85	95	93	92	103	98	937	65								
Q ZIK-ET	102	90	106	94	80	112	95	80	80	97	97	90	86	105	107	94	97	105	110	99	103	104	99	105	91	95	330	35								
ROWLEYS 11 VISIONARY CHILI-ET	102	98	100	104	101	103	95	102	102	99	100	99	99	100	106	98	104	93	102	101	98	97	101	100	97	95	389	37								
SCHULTZ RESCUE HEADLINE-ET	106	99	104	104	102	97	98	102	102	97	99	106	103	100	105	99	103	101	103	106	103	102	100	101	92	98	853	72								
SCHULTZ VOLCANO HARRIS ET	102	104	102	98	100	117	92	100	100	104	102	104	99	100	97	99	101	101	107	103	104	100	97	99	110	92	188	21								
STEINHAUERS SAMSON LEMONHEAD	104	97	101	89	106	99	99	106	106	96	96	104	98	99	91	100	96	105	93	96	95	105	104	101	110	99	447	40								
TOLLENAARS ROYALTY - ET	93	98	88	92	93	104	62	96	96	96	101	105	95	103	99	93	100	89	93	95	91	94	98	98	97	62	21	4								
VJ HERODOT - ET	101	105	95	112	94	102	86	97	97	105	106	98	98	99	105	108	103	99	98	100	98	99	93	97	103	86	41	11								
VJ HILARIO ET	99	101	92	117	97	104	99	98	98	99	101	101	100	106	104	102	106	89	101	98	98	97	91	97	101	99	496	25								
VJ HITMAN ET	95	93	92	104	93	90	98	92	92	98	96	105	92	101	98	102	101	99	90	92	97	102	95	98	101	98	216	13								
VJ RODME NYGAARD HUBERT RODME ET	95	103	97	91	100	96	93	102	102	102	103	97	100	91	93	100	100	103	89	92	95	101	104	98	110	93	93	15								

Logix Conformation and Udder Breeding Values : Cows

Only classified cows are indicated

Cow Information		Selection Indices						Conformation Breeding Values										Udder Breeding Values							
Farmnr	Cow Name	SAINET	Body	Udder	Feet & Legs	BWC	EFI	WH Wither Height	CW Chest Width	BD Body Depth	DS Dairy Strengt	RA Rump Angle	TW Thurl Width	RLS Rear Legs	RLR Rear Legs	BS Bone Structur	FA Foot Angle	FUA ForeUdder	RUH Rear Udder	RUW Rear Udder	UC Udder Cleft	UD Udder Depth	FTP Front Teat	RTP Rear Teat	TL Teat Length
10073	OMIKRON HEADLINE STAR 1-ET	102	103	98	103	100	98	100	102	102	101	104	98	100	98	101	101	101	99	102	95	99	98	98	102
1101	FORTUNATA ZUMA STERN 1-ET	103	98	100	111	98	105	97	101	99	99	100	98	102	100	100	104	100	103	103	94	101	98	100	96
1202	FORTUNATA ZUMA JOAN -ET	101	91	97	101	94	105	91	97	94	95	101	91	105	99	95	104	99	101	94	90	104	95	97	90
1303	FORTUNATA RENEGADE SOUND 2	97	92	94	111	103	100	102	96	95	93	104	98	99	100	103	104	93	96	95	91	102	99	98	105
1385	OMIKRON HOLMER STAR	101	103	97	103	100	99	96	107	101	100	101	96	104	96	102	99	102	98	99	94	100	97	99	101
1419	FORTUNATA VJ LIZA - ET	103	99	98	106	100	102	101	103	96	99	105	95	103	95	104	101	97	95	93	90	103	101	100	99
1420	FORTUNATA VJ NADIA - ET	100	96	93	111	104	97	99	107	100	96	96	95	95	95	104	109	101	92	91	89	103	95	94	102
1422	FORTUNATA STAR 1 REGITZE	99	99	95	99	99	96	98	102	99	99	101	96	101	98	99	102	97	98	100	96	98	97	98	102
1529	FORTUNATA STAR MAUD 1	102	105	103	107	101	100	103	99	101	103	104	106	99	102	102	102	99	102	104	96	99	102	100	97
1535	FORTUNATA PUTIN NORMA 1	96	79	89	102	98	103	93	100	86	86	97	89	98	96	96	107	97	87	89	87	107	92	93	96
1601	WRIGHT'S DAIRY ABBI	96	96	94	93	95	97	87	104	100	98	93	96	100	98	100	97	100	96	97	96	97	97	99	92
CHLOE	WRIGHT'S DAIRY HERODOT CHLOE	99	114	98	108	100	98	99	109	109	109	99	101	101	104	106	100	100	103	103	96	95	98	100	101
ELLA	WRIGHT'S DAIRY RODME ELLA	94	87	92	97	97	98	94	97	92	93	97	94	95	99	99	103	100	87	86	91	106	100	97	97
HANNI	FORTUNATA DRAPER HANNI	94	95	96	100	101	97	98	102	99	96	99	95	105	97	101	98	94	108	102	102	101	89	95	114
HEIDI	WRIGHT'S DAIRY LEMONHEAD HEIDI	97	85	92	94	101	99	97	103	92	89	98	88	97	91	99	101	101	91	91	92	107	93	94	113
JEJ160021	FORTUNATA HILARIO HILAC 1	100	105	94	113	101	99	100	106	101	102	101	100	104	103	102	104	92	99	100	98	96	97	100	100
JODI	WRIGHT'S DAIRY HILARIO JODI	99	108	88	119	102	101	102	106	104	104	104	100	100	107	106	109	91	92	92	96	96	97	97	96
MN160004	WRIGHT'S DAIRY RODME DAISY	97	95	101	102	100	93	94	104	101	96	94	92	96	97	101	101	104	97	95	98	102	103	103	105
NEU0706	HAYSTACK LAN BRANDY	94	88	97	91	88	95	88	97	90	95	101	87	95	94	92	103	108	93	85	90	113	87	86	106
NEU0731	HAYSTACK ZIK HOOP	99	92	104	110	103	87	93	108	102	92	91	89	98	101	104	103	106	105	100	105	104	98	105	106
NEU0927	HAYSTACK ZIK SMOK	96	92	93	98	97	99	86	107	100	94	89	88	104	97	103	96	100	97	92	93	100	90	95	99
NEU0942	HAYSTACK LSK LARN	97	109	95	107	97	102	104	97	105	108	107	100	93	104	100	108	94	93	94	95	96	100	95	105
NEU1102	HAYSTACK IMP PARK	92	94	87	100	98	101	94	99	102	96	99	89	107	100	98	101	87	96	92	96	92	92	97	101
NEU1320	HAYSTACK RENE 3	92	81	90	103	93	101	89	93	87	89	99	92	101	105	98	103	97	89	86	88	106	99	98	84
STERN 6	FORTUNATA DRAPER STERN 6	93	102	93	100	105	97	101	104	104	99	100	98	100	95	104	98	96	103	100	100	98	90	92	118
TEAL	HAYSTACK LSK TEAL	99	109	88	119	102	100	100	106	108	104	104	96	95	106	108	110	96	88	89	94	96	97	95	98
TOFFY1	FORTUNATA ZUMA TOFFY 1	101	103	96	113	98	100	96	101	103	101	101	98	97	106	103	106	101	97	94	96	100	99	99	93
Average								96	102	99	98	100	95	100	99	101	103	98	96	95	94	101	96	97	101

Herd : Extreme Cows per Trait

Top Cows

Breeding Values														Selection Indices											
Milk		Butterfat		Butterfat%		Protein		Protein%		Somatics		Calf Interval		Herdlife		SAINET		CYI		FMI		BWC		EFI	
Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	Ind	Farmnr	Ind	Farmnr	Ind	Farmnr	Ind	Farmnr	Ind
1535	233	1419	17.8	NEU1302	0.75	1101	6.1	NEU1302	0.27	1202	-10.3	NEU0731	-12.4	1508	115	1419	103	1427	108	10073	104	NEU0706	88,5	1427	105,1
1422	151	SOUND3	13.6	1427	0.61	HILAC 2	4.9	1427	0.27	1420	-7.9	10073	-9.6	1419	115	1427	103	1101	106	1419	103	NEU1320	92,7	1101	104,8
10073	140	MEMO1	10.6	CHLOE	0.58	1202	4.7	ELLA	0.21	1419	-6.4	1427	-8.3	10073	114	1101	103	1508	106	1202	103	1427	93,0	1202	104,5
JEJ160021	131	1508	10.6	TEAL	0.51	MEMO1	4.5	TEAL	0.19	1427	-5.9	ILY	-8.1	1202	113	1529	102	1419	105	1101	103	1202	93,8	1535	103,4
HILAC 2	126	1303	10.0	ELLA	0.50	JEJ160021	4.2	NEU0942	0.19	1385	-5.6	HEIDI	-8.1	NEU0731	113	10073	102	TOFFY1	105	1427	102	1601	95,1	1508	102,9
1529	114	1417	9.8	MN160004	0.48	1535	3.6	1101	0.17	TOFFY1	-3.9	1422	-7.0	TEAL	112	JEJ160037	102	ILY	105	1529	102	NEU1302	96,3	ILY	102,6
1202	14	TEAL	9.4	1420	0.45	10073	3.1	STERN 6	0.17	ILY	-3.5	TOFFY1	-6.9	JEJ160037	111	ILY	102	MEMO1	105	HILAC 2	102	NEU0927	96,6	NEU0942	102,5
MEMO1	11	1427	8.5	TOFFY1	0.45	1529	3.0	TOFFY1	0.16	ELLA	-3.2	1419	-5.6	TOFFY1	109	TOFFY1	101	TEAL	104	JEJ160037	102	ELLA	96,6	1419	102,5
JEJ160037	-11	CHLOE	7.4	NEU0942	0.45	1422	1.7	MN160004	0.16	JEJ160037	-2.5	1420	-5.5	1427	109	1385	101	1202	103	ILY	102	NEU0942	96,8	MEMO1	101,5
1419	-71	1101	7.2	NEU1320	0.41	1508	1.6	NEU1320	0.15	JEJ160021	-2.3	NEU0706	-5.3	1420	107	MEMO1	101	CHLOE	103	1508	102	ILY	97,4	NEU1102	101,5

Bottom Cows

Breeding Values														Selection Indices											
Milk		Butterfat		Butterfat%		Protein		Protein%		Somatics		Calf Interval		Herdlife		SAINET		CYI		FMI		BWC		EFI	
Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	Ind	Farmnr	Ind	Farmnr	Ind	Farmnr	Ind	Farmnr	Ind
NEU1302	-672	NEU0706	-21.1	1422	-0.43	NEU0731	-22.8	NEU0731	-22.80	CHLOE	15.0	1524	4.6	NEU1302	79	NEU1102	92	NEU0706	90	NEU1302	91	MEMO1	105	NEU0731	87,4
NEU0731	-654	1422	-18.3	10073	-0.33	NEU0706	-19.3	NEU0706	-19.30	SOUND3	12.9	1303	3.6	NEU0706	86	NEU1320	92	1601	94	NEU0706	91	STERN 6	105	MN160004	92,8
MN160004	-653	NEU0731	-15.6	JEJ160021	-0.26	MN160004	-16.9	MN160004	-16.90	NEU0942	12.7	STERN 6	2.5	NEU1102	87	STERN 6	93	NEU1102	95	NEU1320	92	1420	104	NEU0706	95,2
ELLA	-558	10073	-11.9	HILAC 2	-0.20	NEU1302	-11.6	NEU1302	-11.60	1508	12.1	ELLA	1.0	1524	90	NEU0706	94	NEU1320	95	NEU1102	92	NEU0731	103	1422	96,5
CHLOE	-477	1601	-10.6	1529	-0.16	CHLOE	-11.3	CHLOE	-11.30	NEU1302	11.8	SOUND3	0.9	NEU1320	90	ELLA	94	1535	96	STERN 6	92	JEJ160037	103	1420	96,8
1427	-470	MN160004	-8.6	1535	-0.11	1601	-10.4	1601	-10.40	STERN 6	10.4	NEU1302	0.1	ELLA	90	HANNI	94	ELLA	96	ELLA	93	SOUND3	103	1601	96,9
NEU1320	-465	JEJ160021	-8.5	1202	-0.04	ELLA	-10.4	ELLA	-10.40	NEU0706	9.6	NEU1102	0.0	STERN 6	92	NEU1302	95	HANNI	96	HANNI	94	1303	103	HANNI	97,4
NEU0706	-414	HILAC 2	-5.3	1601	-0.02	NEU0927	-10.3	NEU0927	-10.30	TEAL	8.7	HANNI	-0.6	1535	95	1601	96	1422	96	1524	94	JODI	102	STERN 6	97,4
TOFFY1	-408	1529	-3.1	JEJ160037	-0.01	NEU1320	-9.7	NEU1320	-9.70	MEMO1	8.4	NEU0942	-1.2	1303	95	NEU0927	96	STERN 6	97	MN160004	95	TEAL	102	JEJ160037	97,4
TEAL	-376	HANNI	-3.0	NEU0706	0.01	1420	-9.3	1420	-9.30	1524	8.2	JEJ160037	-1.5	HANNI	96	1524	96	NEU0927	97	1601	95	JEJ160021	101	10073	98,0

Herd : Extreme Heifers per Trait

Top Heifers

Breeding Values														Selection Indices											
Milk		Butterfat		Butterfat %		Protein		Protein %		Somatics		Calf Interval		Herdlife		SAINET		CYI		FMI		BWC		EFI	
Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	Ind	Farmnr	Ind	Farmnr	Ind	Farmnr	Ind	Farmnr	Ind
MN180001	413	MN180003	19.1	MN190012	0.54	MN180001	18.1	MN190006	0.23	HILAC 3	-16.8	ILY 2	-13.0	MN180012	115	HILAC 4	103	MN180002	107	HILAC 4	103	MN170027	94,6	JOAN !	109,5
JOAN !	410	MN180001	15.9	MN190006	0.50	MN180003	16.2	ILY 2	0.22	HILAC 4	-16.2	MN180012	-11.1	ILY 2	114	HILAC 3	102	MN190012	107	MN180005	103	FILLY	94,9	MN180003	109,5
MN180003	370	MN190014	14.8	MN190010	0.48	JOAN !	15.5	MN190008	0.21	MN190002	-13.5	MN190006	-8.9	MN190002	113	MN180005	102	MN190008	106	MN190014	103	JOAN !	95,2	MN180001	109,1
SOUND 5	200	JODY 2	14.5	MN180002	0.47	MN190009	6.4	MN190012	0.19	MN190013	-12.4	MN190008	-7.4	MN180002	112	MN180002	102	MN190014	106	MN180002	102	GEM	96,8	MN190012	104,5
MN180008	157	MN190012	13.7	MN190003	0.46	MN190004	6.3	STERN 8	0.16	MN180002	-11.6	MN180013	-7.2	MN190011	111	MN190014	102	MN190006	106	MN190011	102	MN190012	97,0	MN180005	103,2
MN190004	156	MN190005	11.7	ILY 2	0.45	HILAC 4	5.8	JODY 2	0.16	MN180010	-10.8	MN190005	-6.3	MN190008	111	MN190013	102	MN190013	105	MN180011	102	NADIA 1	97,4	JODY 2	103,1
MN190009	101	MN180014	11.6	MN190008	0.42	SOUND 5	5.8	MN180013	0.16	MN190005	-9.5	MN190011	-5.8	MN180011	111	MN190018	102	JODY 2	105	MN190013	102	MN190002	97,4	MN190002	102,8
MN180005	72	MN180002	11.6	MN180013	0.41	MN180005	5.5	MN180002	0.15	MN190010	-9.4	MN180011	-5.8	MN180013	110	MN190006	101	MN190018	104	HILAC 3	102	ILY 2	97,4	MN190014	102,6
KIM	5	MN190018	11.5	MN180014	0.39	HILAC 3	5.5	MN190010	0.15	MN190003	-9.0	MN170027	-5.8	MN190005	109	MN180001	101	MN180005	104	SOUND 5	102	MN180008	98,3	MN190007	102,6
MN190007	-7	STERN 8	9.8	STERN 8	0.38	JODY 2	3.6	MN180012	0.15	KIM	-7.6	MN180002	-5.7	MN190013	109	JOAN !	101	MN180010	104	MN180010	102	SOUND 4	98,8	MN190004	102,6

Bottom Heifers

Breeding Values														Selection Indices											
Milk		Butterfat		Butterfat %		Protein		Protein %		Somatics		Calf Interval		Herdlife		SAINET		CYI		FMI		BWC		EFI	
Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	EBV	Farmnr	Ind	Herdnr	Ind	Farmnr	Ind	Farmnr	Ind	Farmnr	Ind
ILY 2	-633	MN180012	-15.1	MN180008	-0.22	NADIA 1	-14.8	ILY 2	0.22	MN180013	10.5	JOAN !	8.3	MN180001	88	SOUND 4	95	NADIA 1	95	GEM	95	MN190014	103,8	NADIA 1	93,9
MN180013	-566	NADIA 1	-11.8	JOAN !	-0.22	MN180013	-13.2	MN180013	0.16	MN180012	7.2	MN180003	8.2	MN170027	91	MN180013	96	GEM	95	NADIA 1	95	MN190018	103,7	MN180012	94,2
MN190006	-522	MN170027	-10.1	MN190004	-0.11	ILY 2	-12.6	MN190006	0.23	ILY 2	6.0	MN180001	7.6	JOAN !	92	GEM	96	SOUND 4	95	SOUND 4	95	STERN 8	103,6	MN180013	94,2
MN180012	-452	ILY 2	-9.1	MN180001	-0.10	FILLY	-10.6	MN180012	0.15	MN180003	5.5	SOUND 5	1.5	GEM	93	NADIA 1	96	MN170027	96	FILLY	95	MN190003	103,6	ILY 2	95,5
MN190010	-416	MN180013	-7.4	SOUND 5	-0.09	MN180012	-9.4	MN190010	0.15	MN170027	5.3	MN190018	1.5	MN180003	94	FILLY	97	FILLY	98	MN180013	95	JODY 2	103,2	MN190006	96,9
MN190008	-389	FILLY	-6.6	MN190009	-0.08	MN190003	-8.7	MN190008	0.21	SOUND 4	4.9	JODY 2	1.2	MN190007	94	STERN 8	97	MN180013	99	MN170027	97	MN190009	103,1	MN190003	97,4
FILLY	-374	GEM	-6.5	MN170027	-0.08	MN190010	-7.5	FILLY	0.07	MN190007	4.6	MN190009	1.0	HILAC 3	96	MN170027	98	MN180008	99	STERN 8	97	MN180014	102,9	SOUND 4	97,7
MN190003	-352	HILAC 3	-4.8	HILAC 3	-0.04	MN190006	-7.5	MN190003	0.09	GEM	4.4	GEM	-0.1	FILLY	98	MN180012	98	MN190004	100	MN180012	98	MN190008	102,7	FILLY	98,0
MN190012	-330	MN180008	-4.6	MN180003	-0.02	GEM	-6.8	MN190012	0.19	MN190008	3.5	MN190004	-0.2	HILAC 4	98	ILY 2	98	MN190007	100	ILY 2	99	SOUND 5	102,2	GEM	98,1
NADIA 1	-294	SOUND 4	-3.6	HILAC 4	-0.01	SOUND 4	-6.5	NADIA 1	-0.06	MN180005	3.2	FILLY	-0.5	NADIA 1	100	MN180014	99	MN180012	100	MN190010	99	MN180010	102,0	MN190010	98,4

Single Gene Traits

0 = Carries no copy of the gene 1 = Carries one copy of the gene 2 = Carries 2 copies of the gene Empty Field = No information available

Farmersnr	Name	Breed	% Homozy-	ABCG2	Casein		Beta	DGAT1	Yellow	Horns /	BLAD	DUMPS	Mulefoot	JH1
Regno	Birth Date	Fraction (%)	gosity		Beta	Kappa	Lacto- Globulin		Milk Fat	Polled				
Cows														
1101 73209926	FORTUNATA ZUMA STERN 1 - ET 2011/05/21	100	14.27											0
1202 75078386	FORTUNATA ZUMA JOAN - ET 2012/04/21	100	11.26											0
1417 79757365	FORTUNATA VJ HULK NORMA - ET 2014/01/15	100	9.05											0
1419 80279672	FORTUNATA VJ LIZA - ET 2014/07/22	100	10.74											0
1420 80272750	FORTUNATA VJ NADIA - ET 2014/07/22	100	9.91											0
1427 79757357	FORTUNATA VJ BROILER NIKKA-ET 2014/01/11	100	13.44											0

