Distribuidor en España:
IMPORT EXPORT BAS SL

2019/20

Proofs: August 2019

Holstein
Red Holstein

Daughter Proven
Genomic
Polled

GGI-SPERMEX
Genetics made in Germany

SIRE CATALOGUE

Welcome to the next

GGI-SPERMEX GmbH – Your first source of top-class genetics for your cows!

GGI-SPERMEX GmbH represents 13 German breeding and A.I. organizations at the international market for cattle genetics and is offering a unique product line from across Germany including experience, know-how and a wide range of genetics generated from the world's largest breeding populations. This results in a unique portfolio including – besides the key breeds Holstein, Red Holstein, German Fleckvieh and Brown Swiss – more than 20 further dairy and beef cattle breeds, i.e. Angler, Jersey, several dual purpose and beef breeds.

In co-operation with our international partners, GGI-SPERMEX offers breeders worldwide access to the entire potential of German cattle breeding. The German breeding philosophy is clearly reflected in GGI-SPERMEX's product range. This includes high milk production with good components, good conformation with excellent feet & legs and functional, healthy udders as well as high fertility and good longevity. The aim is an efficient, healthy, trouble-free cow with high production over many lactations under a variety of housing conditions.

Within this catalogue GGI-SPERMEX proudly presents a selection of available **Holstein** and **Red Holstein** bulls. If you are looking for **German Fleckvieh** and **Brown Swiss**, a separate catalogue for these breeds is available through GGI-SPERMEX as well. Please contact GGI-SPERMEX or our international partners for local service.

The specifications regarding the breeding values are based on computer models of the vit in Verden. Specifications regarding the health status of the bulls result from tests done by national and international laboratories. For the correctness of the results in this catalogue GGI-SPERMEX does not assume any liability. Furthermore, our general terms and conditions are valid which can be obtained by phone +49-4471-9174 0 or email to info@ggi-spermex.de.

generation!

HOLSTEIN

RED HOLSTEIN

ANGLER/RED CATTLE

DUAL PURPOSE

BEEF BREEDS

Cover and pages 2,3: Anne-Mette Evers

INDEX

HOLSTEIN

DAUGHTER PROVEN
Reliability **>90%**

Name ..... Page
Baltikum 12
Big Point 12
Explizit 13
Godewind 13
Maibach 14
Mr Max 14
Sinclair 15

DAUGHTER PROVEN

Name ..... Page
Balbo 15
Balic 16
Blacklist 16
Board 17
Calvo 17
Checkmate 18
Come On 18
Delano 19
Malta 19
Midas 20
Sukari 20

GENOMIC-POLLED

Name ..... Page
Adrian PP 21
Advokat PP 21
Babylon PP 22
Barman PP 22
Lugano PP 23
Makari PP 23
Melle PP 24
Mineral PP 24
Motto PP 25
Shore PP RDC 25

GENOMIC

Name ..... Page
Already 26
Apply 26
Bachelor P 27
Best Time 27
Bonham 28
Boudy 28
Brebel 29
Brightside 29
Casino 30
Chance 30
Charlston 31
Colani 31
Esquire 32
Freemax 32
Galen 33
Garett 33
Garido 34
German Boy 34
Gigabyte 35
Gigastar 35
Goldengate 36
Goloman 36
Guardian 37
Hashtag P 37
Hotspot P 38
Imano 38
Intro 39
Jackson 39
Jalano 40
Khedira 40
Lavonte 41
Match P 41
Mezzo 42
My Dream P 42
Palmbeach 43
Pik As 43
Predator 44
Quentin 44
Rafting 45
Sano 45
Saturn 46
Semino 46
Sepia 47
Simon P 47
Tarmac 48
Tosco 48
Wunder 49
Youngster 49

RED HOLSTEIN

DAUGHTER PROVEN
Reliability **>90%**

Name ..... Page
Apoll P 50
Fireman 50
Snake Red 51

DAUGHTER PROVEN

Name ..... Page
Defago Red 51
Laser PP 52
Present 52

GENOMIC-POLLED

Name ..... Page
Acryl PP 53
Broker PP 53
Larbick PP 54
Lumumba PP 54
Moment PP 55
Rambo PP 55

GENOMIC

Name ..... Page
Ansporn 56
Frisk Red 56
Gonzales 57
Kontra 57
Marsden P 58
Mercurio P 58
Pacific Red 59
Panders 59
Shivago 60
Snickers P 60
Solitair P 61
Solution 61
Sting Red 62
Stormy Red 62

OTHER BREEDS

Name ..... Page
Willow (Angler) 63
Dual Purpose 64
German Friesian Cattle (DSN) 64

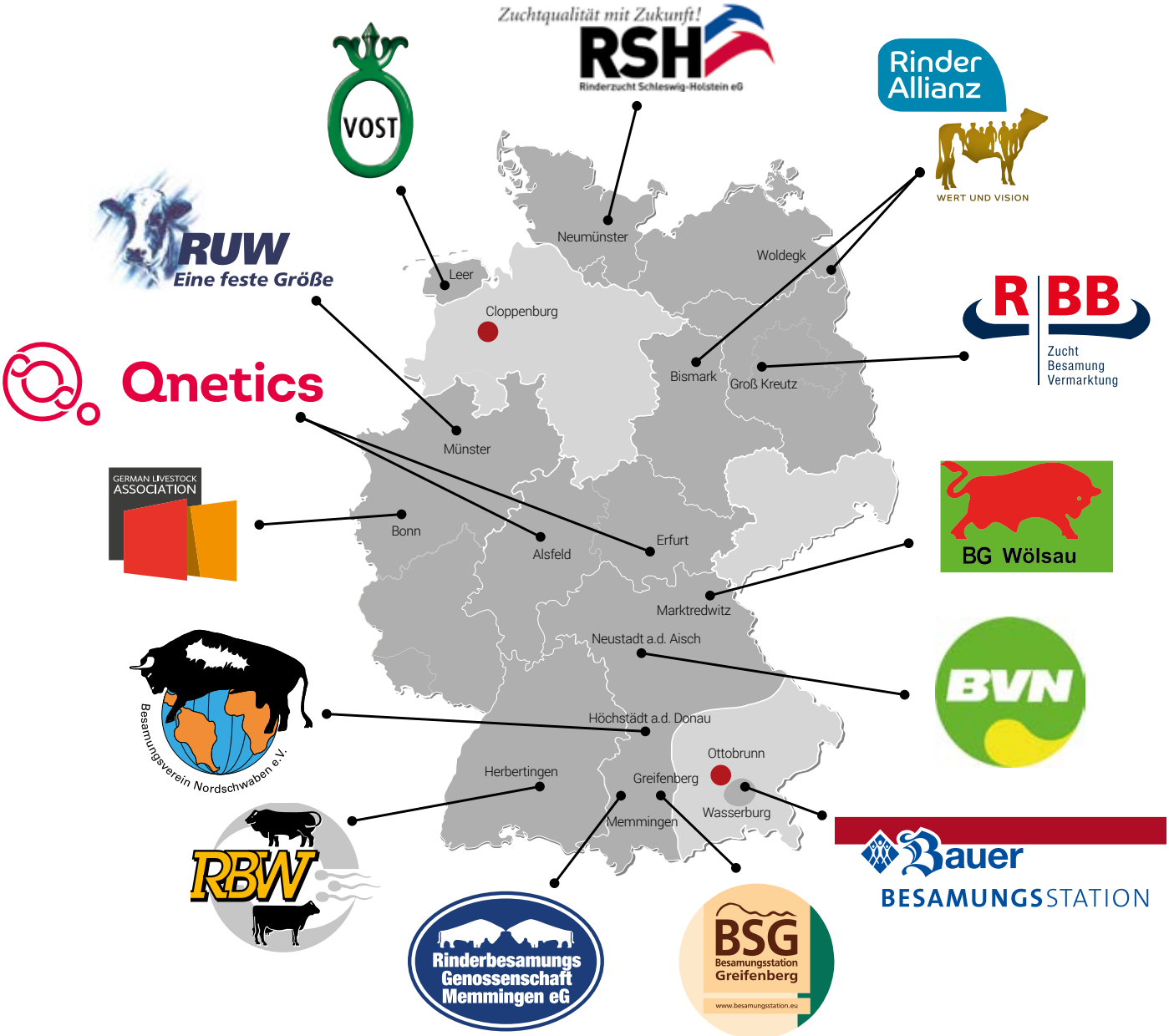
BEEF BREEDS

Name ..... Page
Angus (Black) 65
Angus (Red) 65
Belgian Blue 65
Charolais 65
Galloway 65
Hereford 65
Highland 65
Limousin 65
Piemontese 65
Fleckvieh Beef 65
Uckermärker 65
Wagyu 65

TABLES

Name ..... Page
Breeding values genomic bulls 66
Breeding values daughter proven bulls 67

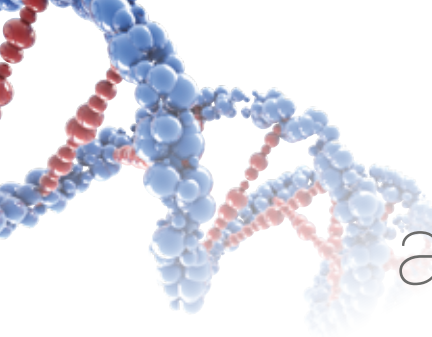
Our Members



GGI-SPERMEX office

Having more than 1.2 million active dairy cows and nearly 35,000 active beef cows registered in their herdbooks, the GGI-SPERMEX members take care of almost 70% of the actual cattle breeding population in Germany.

Backed by the data and experience of more than 9,000 dairy herd book farms, GGI-SPERMEX is able to map all environmental and management conditions across Germany and, through this, offer ideal matings for any environmental conditions.



Daughter proven sires and genomic selection

A QUESTION OF RELIABILITY

Since August 2010, all breeding values have been enhanced by including genomic information in order to increase reliability, especially of young daughter proven bulls. As well as established daughter proven bulls, since August 2010, bulls with only genomic breeding values have the status of a tested sire as well. Genomic breeding values are calculated with the help of the young bull's genome structure by comparing this with the genes of the daughter proven sires (reference sample). Consequently, the quality of the genomic breeding values directly depends on the quality of breeding values on a daughter basis and the number of bulls included in the sample. Until April 2019 the genomic breeding value estimation in Germany was based on a pure bull reference sample consisting of more than 38,000 sires. However, the use of a pure bull reference sample is to be considered critical as the number of bulls born in 2010 within the learning sample increases, as the bulls are already pre-selected for their genomic breeding values. In breeding value estimation, however, the broad mass of performance information of the offspring of a sire is needed. If only daughter information remains of the best, this leads to distorted breeding values. To circumvent this problem, in April 2019, a pure bull reference sample was converted to a mixed learning sample, which now includes over 38,000 bulls and 150,000 cows.

This sample represents the entire, current Holstein population from Europe and North America so that the predominance of the German breeding value estimation system will remain for genomic selection, too. Due to the much shortened generation interval, young bulls mostly get clearly higher breeding values than recent daughter proven sires. However, it should be kept in mind that the reliability of only genomic tested bulls is significantly below the daughter proven sires'. That is why GGI-SPERMEX provides a wide range of only genomic young bulls without daughters, young daughter proven hopefuls with a few hundred daughters and solid second crop sires with several thousand daughters. It does not matter what you are seeking for your herd: GGI-SPERMEX will have it! To give you a quick overview of top-class German genetics, you can find in this catalogue both daughter proven sires with high reliability and genomic bulls who will bring faster breeding progress. For latest information on GGI-SPERMEX, German Holstein breeding, as well as interesting reports on progeny groups of promising newcomers and proven second crop sires, please have a look at our homepage: **www.ggi-spermex.de**

Anne-Mette Evers

Sexed semen

"MADE IN GERMANY"

The ST laboratory in Cloppenburg, Germany, guarantees consistent and reliable results by using the latest sexing technology. This increases your chance of getting a female offspring to an excellent rate of over 90%. Beyond that, the sexed semen also complies with the highest standards for hygiene and quality.

We offer top genomic young bulls, as well as highly recommended daughter proven Holstein and Red Holstein bulls, further dairy breeds and different beef breeds at this consistent high level of quality in our sexed semen portfolio. To always keep it up to date, we are constantly checking for the latest high testing bulls in Germany.

For more information please visit our homepage: **www.ggi-spermex.de**

Partners and services

CONSULTING AND TECHNICAL SUPPORT FOR THE CUSTOMER THROUGH PRESENTATIONS, SEMINARS AND INFORMATION MATERIAL IN COOPERATION WITH:

- the German Livestock Association (BRS)
- the computing centers vit and LfL
- the Zuchtvieh (Cattle)-Export GmbH (ZVE)
- our member organizations

Our Potential

Germany has...

... the largest registered Holstein population worldwide

... the largest registered Red Holstein population worldwide

... the largest reference sample with more than 38,000 sires and 150,000 cows (vit 08-2019)

... more than 1,700,000 registered Holstein cows

... more than 150,000 registered Red Holstein cows

... more than 750,000 registered German Fleckvieh cows

... more than 130,000 registered Brown Swiss cows

... proven cow families having deep pedigrees

... one of the oldest Holstein herd books in the world (1878) including overall data of more than 7,000,000 cattle

... national and international breeding programs

... the largest and most versatile reference populations in the world

... balanced breeding goals

Abbreviations USED IN THIS CATALOGUE

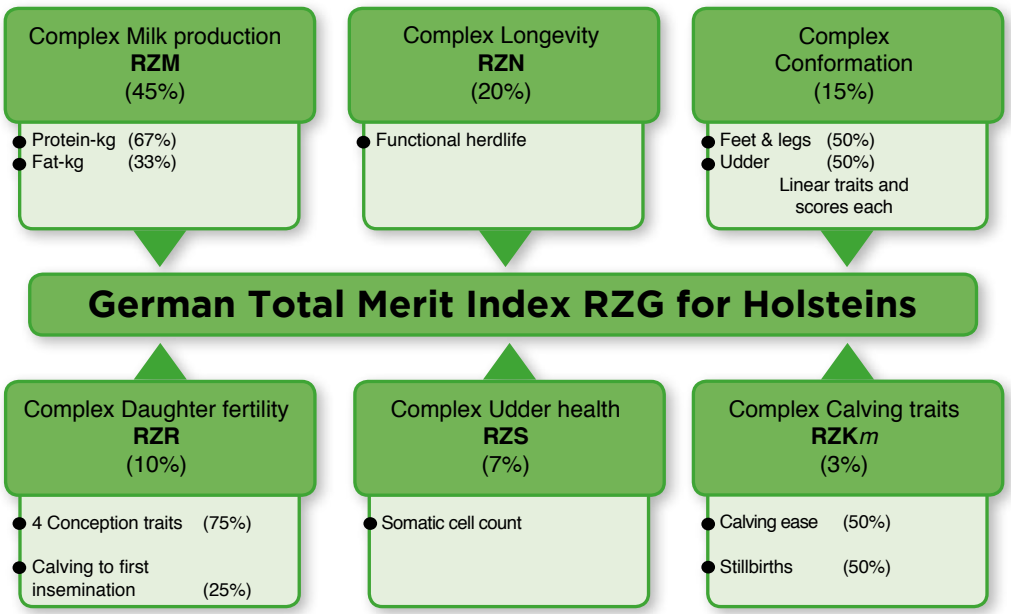
ALL HOLSTEIN BULLS IN THIS CATALOGUE ARE FREE OF BRACHYSPINA, BLAD, CVM AND CDH.

HB-Nr.	Herd book number
VRC	Carrier of the Variant Red gene
RDF	Tested non-carrier of red gene
RDC	Red carrier
RZE	Breeding value Conformation
RZG	Total Merit Index
RZM	Breeding value Milk production
RZN	Breeding value Longevity
RZR	Breeding value Daughter fertility
RZS	Breeding value Somatic cell count
RZD	Breeding value Milking speed
RZRobot	Breeding value Suitability for automatic milking systems (AMS)
RZKd	Breeding value Calving ease (paternal calving ease)
RZKm	Breeding value Calving ease (maternal calving ease)
GD	Granddam
GGD	Great Granddam
GGGD	Great Great Granddam
aAa	Triple A code by Weeks® Animal Analysis
RZhealth	Breeding value Health
RZudderfit	Breeding value Udder health
RZhoof	Breeding value Hoof health
RZrepro	Breeding value Reproduction
RZmetabol	Breeding value Metabolic health
DDcontrol	Breeding value Mortellaro resistance
RZcalfhealth	Breeding value Calf health

Breeding values

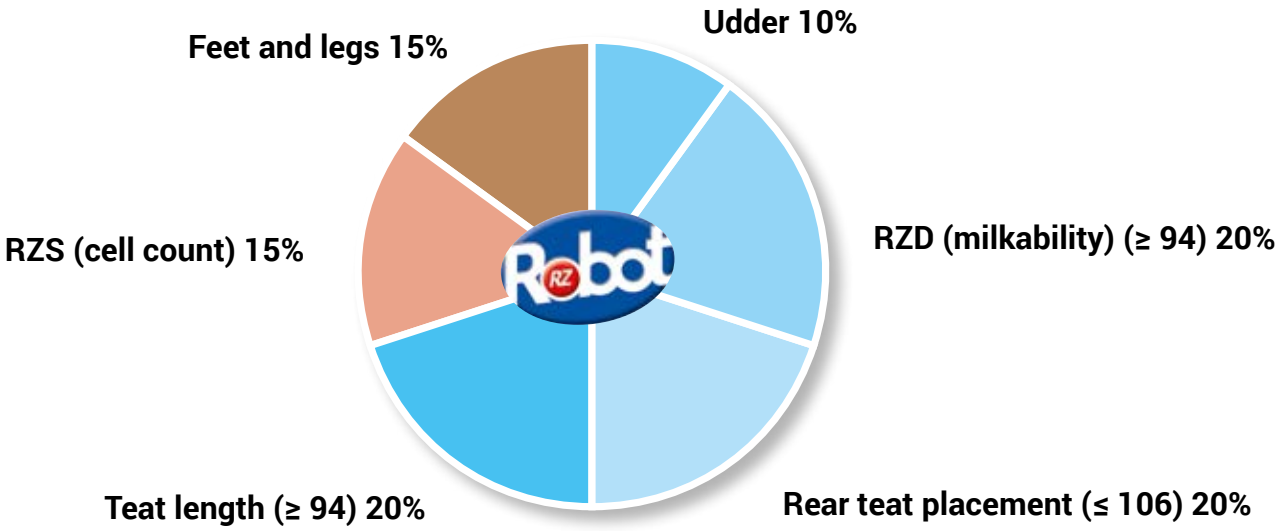
RZG - A POWERFUL TOOL TO ACHIEVE YOUR BREEDING GOALS

The **RZG** reflects milk production and functional traits corresponding to their economic importance.



RZROBOT - SUITABILITY FOR AMS

In August 2014, vit released a breeding index specifically for farms with automatic milking systems (AMS) in order to facilitate selection of particular bulls. The RZRobot is made up from the following traits: milking speed (≥ 94), somatic cell count, feet & legs, udder, rear teat placement (≤ 106) and teat length (≥ 94). These six traits have different weightings within the RZRobot. For the traits milking speed, rear teat placement and teat length, minimum requirements were defined, which are shown in brackets. Furthermore, it has been decided that the RZRobot will only be published if it is ≥ 100, to make sure bulls will really improve the suitability for AMS.



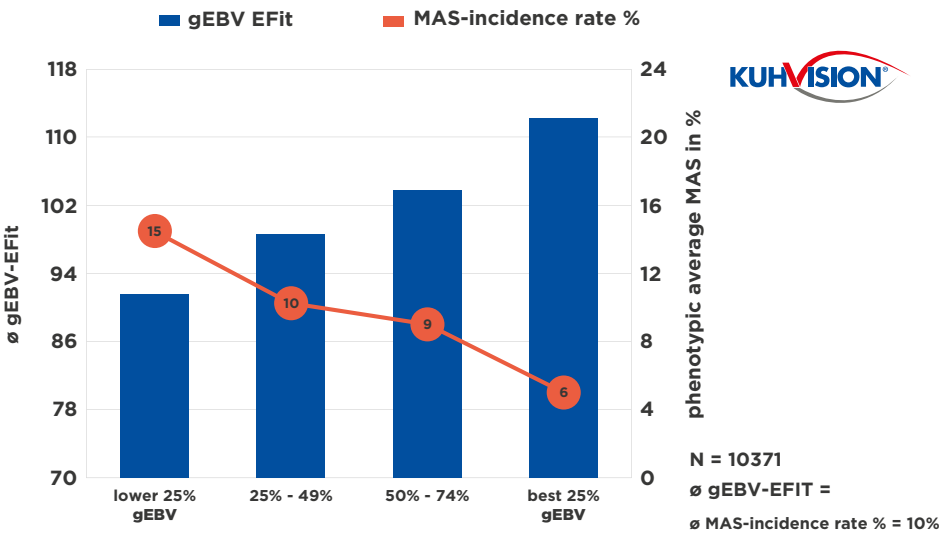
Project "KuhVision"

In June 2016 the project "KuhVision" started with genotyping entire herds all over Germany, Austria and Luxembourg. One part of this project is to collect new information about the wellbeing of the cows. Until now more than 370,000 female animals have been genotyped. Until April 2019 genomic evaluation for Holsteins in Germany had been based on a bull reference sample with about 38,000 daughter proven bulls. Since April 2019 genomic breeding values for all traits will be based on a mixed cow-bull reference sample instead of a bull reference sample.

In the participating farms all treatments and diagnoses regarding Mastitis, reproduction, metabolism and 6 different causes of lameness are recorded accurately. As the first country Germany has published a complete set of breeding values for all major diseases, such as Mastitis, reproduction, metabolism disorders, hoof health including Dermatitis Digitalis.

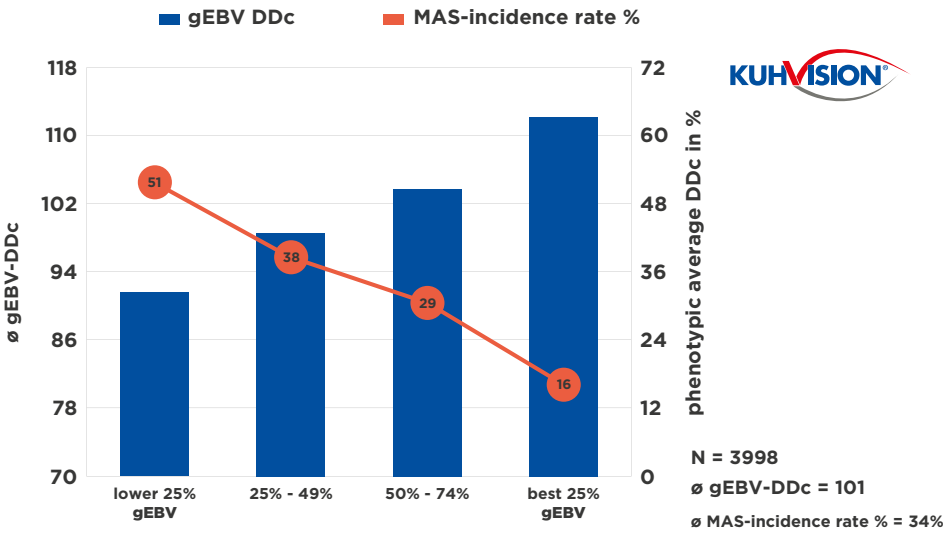
Even though heritabilities of these health traits are low or medium (between 0.03 and 0.12), analysis show a clear genetic correlation between the genomic breeding value and the ratio of incidences. This means one can significantly influence the frequency of these diseases by using the new health breeding values.

The following two examples show the incidence rate of Mastitis and Mortellaro (Dermatitis Digitalis) in relation to the breeding values RZudderfit respectively DDcontrol.



The incidence rate of Mastitis has a significant relation to the RZudderfit breeding value of the cow.

While cows with a low RZudderfit breeding value have a risk of 15% to get Mastitis (during 1. La), cows with a high breeding value only have a risk of 6%.



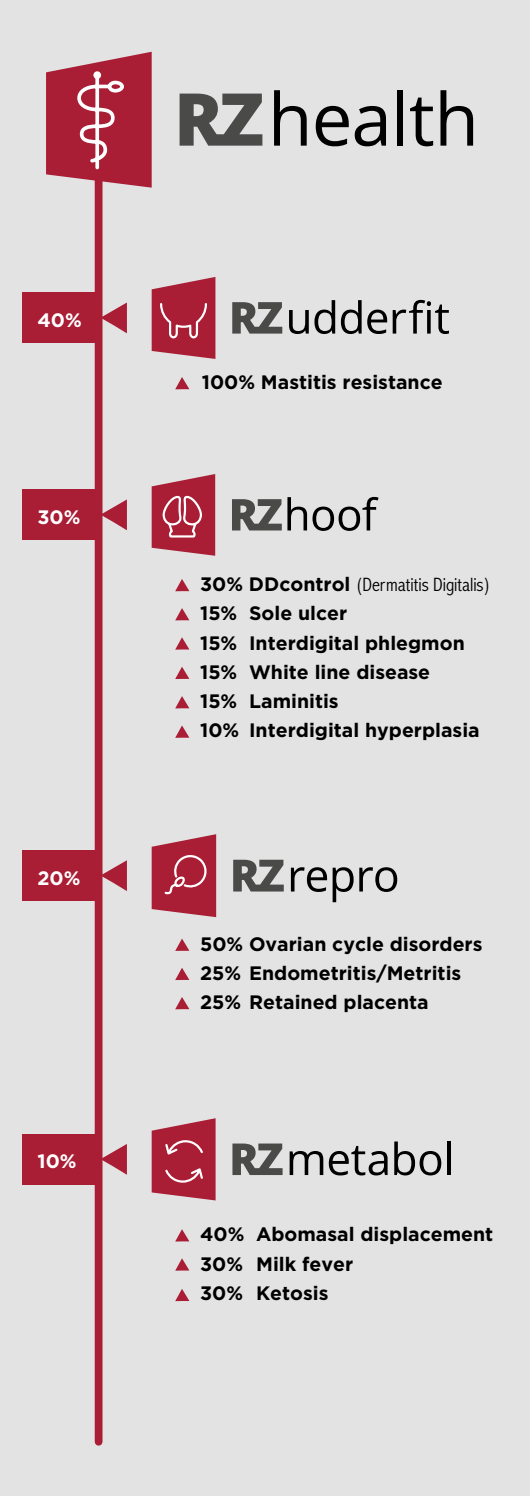
The incidence rate of Mortellaro (Dermatitis Digitalis) has a significant relation to the DDcontrol breeding value of the cow.

While cows with a low breeding value for DDcontrol have a risk of 51% to get Mortellaro (during 1. La), cows with a high breeding value only have a risk of 16%.

RZ - Made in Germany

NEW HEALTH BREEDING VALUES FROM APRIL 2019

The vit published official breeding values of direct health traits for the Holstein and Red Holstein breed for the first time during the breeding value estimation April 2019. This is possible due to the herd genotyping program "KuhVision", the collection of health data by the farms and long-term collection of culling reasons in line with milk recording. Based on this unique data set with a reference sample of 100,000 cows and 6,500 bulls, significant health breeding values can be estimated now. The RZhealth is composed of the breeding values RZudderfit, RZhoof, RZrepro and RZmetabol. These four breeding values subdivide themselves into health traits with different weightings.



RZhealth

RZHEALTH (total)

RZhealth is composed of the four breeding values RZudderfit, RZhoof, RZrepro and RZmetabol. Relative breeding values are published both for the overall breeding value RZhealth and for the four complexes, but not for the particular health traits (exception: DDcontrol).

RZudderfit

RZUDDERFIT (udder health)

The health trait Mastitis is incorporated in the RZudderfit by 100 %. Mastitis is a disease of high economic importance due to high costs of treatment and loss of milk. A high number of cows contracts Mastitis at least once in their lifetime. With this new breeding value, the occurrence of Mastitis can now be specifically reduced.

RZhoof

RZHOOF (health)

Feet problems can have different reasons. They can be conditioned by infections or caused by metabolic diseases, but mechanical overload, too. The RZhoof includes six different health traits weighted by their importance.

The health trait Mortellaro (Dermatitis Digitalis) is the most important trait and weighted with 30 %. An increasing number of farms have high morbidity rates and Mortellaro is currently – besides Mastitis – the most important single health problem in dairy herds. This is the reason why an estimated breeding value for Mortellaro is published with the already known DDcontrol, along with RZhoof. Further single traits of the RZhoof are hoof ulcer, interdigital phlegmon, white-line-disease, laminitis and interdigital hyperplasia.

RZrepro

RZREPRO (-duction)

RZrepro includes reproductive disorders like ovarial cycle disorders, metritis and retained placenta. Whereas traits like retained placenta and metritis are seen directly after calving in the beginning of the lactation, ovarial cycle disorders like cysts for example occur later in lactation. Reproductive disorders in later lactations have a closer genetic relationship to the existing RZR (daughter fertility). So new aspects are considered with reproductive disorders occurring early after calving which could hardly been improved by indirect selection so far.

RZmetabol

RZMETABOL (total)

RZmetabol includes the complex of metabolic diseases and is composed of the three traits displaced abomasum (left side), milk fever and ketosis. Metabolic stability is of prime importance and no predictor traits have been available so far that enable indirect progress. The cows from KuhVision farms included in the new composite reference sample are currently in first and second lactation respectively and can barely provide data on metabolic traits in later lactations where metabolic diseases with clinical picture are more common. The data set will improve rapidly within the next two years and the milk recording associations as well as vit are working on additional data for clinical and subclinical ketosis from milk samples.

RZcalfhealth

RZCALFHEALTH

In addition to the new health breeding values and the already existing breeding value for stillbirths, it has now been possible to develop a breeding value for the fitness and health/ vitality of calves in the rearing period on the basis of the comprehensive data basis. Based on the data of approximately 8 million female calves born since 2006, the new RZcalfhealth describes the genetic ability to survive the rearing period from day 2 to 15 months of age. Only female calves are considered here, as male calves usually leave the farm with 14 days of age. Because losses within the different age segments are caused by different diseases, a distinction is made in the estimation model between five age segments (days 3-14, 15-60, 61-120, 121-200, 201-458). The RZcalfhealth is shown on the usual relative scale with 100 as the mean value and a genetic spread of 12. The reliability of the purely genomic RZcalfhealth is 51 %.

DDcontrol

BULLS WHICH IMPROVE DURABILITY AGAINST MORTELLARO

With DDcontrol a new breeding value has been developed to improve the resistance against Dermatitis Digitalis (Mortellaro disease). Scientific examinations have found that there is a clear correlation between high values of DDcontrol and the incidence rate of Mortellaro. DDcontrol offers farmers a unique tool to improve the genetic resistance against Mortellaro in the herd.

08–2019

Baltikum

pp CDF Anderstrup Baltikum

Daughter Proven

619105 Born: 19.04.2014

DNK 000000257203

aAa 234165

♂ **Balisto** (♂ *Bookem*)

♀ Anderstrup Snow Heaven VG 87 (♂ **Snowman**)

1/1 La 16763 3.94 661 3.23 542

♀ Anderstrup Heidi VG 89 (♂ **Shottle**)

1/1 La 16227 3.75 608 3.26 529

♀ Cogent Boliver Heaven VG 87 (♂ **Boliver**)

RZG

144 *93 %*

High Reliability >90%

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
142	113	115	125	93	108	114	85
99 %	*95 %*	*98 %*	*78 %*	*82 %*	*96 %*	*94 %*	*95 %*

Proof: vit / 08–2019

Brabantdale Baltikum Vérité

RZhealth	105	*71 %*
RZudderfit	104	*76 %*
RZhoof	103	*65 %*
RZrepro	101	*65 %*
RZmetabol	109	*76 %*
RZcalfhealth	96	*93 %*
DDcontrol	91	*69 %*
RZRobot	---	-- %

Kappa Casein AB
Beta Casein A1/A2

Milk	Fat	Protein
+853 kg	+0.41 %	+0.21 %
	+76 kg	+50 kg

Reliability 99 %
Daughters 1966
Herds 821

- **Longevity**
- **Components**
- **Calving ease**

Linear Description		88	100	112	124	619105-Baltikum	
Dairy Character (Index)						122	
Body (Index)						117	
Feet and legs (Index)						103	
Udder (Index)						105	
RZE (Index)						113	
Stature	*small*					135	*tall*
Dairy character	*little*					120	*angular*
Body depth	*shallow*					125	*deep*
Strength	*narrow*					108	*wide*
Rump angle	*ascending*					89	*sloped*
Rump width	*narrow*					117	*wide*
Rear leg set side view	*straight*					99	*sickled*
Foot angle	*low angles*					107	*steep angle*
Hocks	*swollen*					97	*clean*
Rear leg set rear view	*toes out*					105	*parallel*
Locomotion	*bad*					100	*good*
Rear udder height	*low*					103	*high*
Suspensory ligament	*weak*					83	*strong*
Teat placement (front)	*wide*					103	*close*
Teat placement (rear)	*wide*					95	*close*
Fore udder attachment	*loose*					107	*tight*
Udder depth	*deep*					104	*shallow*
Teat length	*short*					110	*long*

Daughters/ Herds Conformation: 586/ 259

08–2019

Big Point

pp CDF RZG Big Point

Daughter Proven

619043 Born: 18.01.2012

DEU 000666050471

aAa 315246

♂ **Bookem** (♂ *Planet*)

♀ RZG Juleika VG 86 (♂ **Man-O-Man**)

1/1 La 13883 3.34 464 3.28 455

♀ CAS Jameika VG 86 (♂ **Goldwyn**)

HL 2 12533 4.11 515 3.42 429

♀ Jelykoe EX 90 (♂ **Jocko Besne**)

RZG

135 *99 %*

High Reliability >90%

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
126	116	113	123	96	108	90	93
99 %	*99 %*	*99 %*	*99 %*	*98 %*	*99 %*	*99 %*	*99 %*

Proof: vit / 08–2019

Baccara, Niera, Kessa

RZhealth	103	*98 %*
RZudderfit	101	*99 %*
RZhoof	107	*98 %*
RZrepro	95	*97 %*
RZmetabol	106	*97 %*
RZcalfhealth	102	*99 %*
DDcontrol	102	*99 %*
RZRobot	---	-- %

Kappa Casein AB
Beta Casein A2/A2

Milk	Fat	Protein
+1398 kg	-0.40 %	+0.01 %
	+12 kg	+48 kg

Reliability 99 %
Daughters 12044
Herds 3193

- **Milk production**
- **Longevity**
- **Calving ease**

Linear Description		88	100	112	124	619043-Big Point	
Dairy Character (Index)						102	
Body (Index)						99	
Feet and legs (Index)						111	
Udder (Index)						118	
RZE (Index)						116	
Stature	*small*					102	*tall*
Dairy character	*little*					104	*angular*
Body depth	*shallow*					98	*deep*
Strength	*narrow*					109	*wide*
Rump angle	*ascending*					82	*sloped*
Rump width	*narrow*					95	*wide*
Rear leg set side view	*straight*					96	*sickled*
Foot angle	*low angles*					106	*steep angle*
Hocks	*swollen*					103	*clean*
Rear leg set rear view	*toes out*					103	*parallel*
Locomotion	*bad*					109	*good*
Rear udder height	*low*					112	*high*
Suspensory ligament	*weak*					125	*strong*
Teat placement (front)	*wide*					106	*close*
Teat placement (rear)	*wide*					104	*close*
Fore udder attachment	*loose*					110	*tight*
Udder depth	*deep*					106	*shallow*
Teat length	*short*					111	*long*

Daughters/ Herds Conformation: 4676/ 1349

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Explizit

pp CDF WEH Explizit

Daughter Proven

680240 Born: 02.06.2013

DEU 000537994730

aAa 534162

♂ **Epic** (♂ *Super*)

♀ WEH Janett VG 85 (♂ **Bronco**)

1 La 12207 3.56 434 3.11 380

♀ WEH Janne VG 86 (♂ **Jefferson**)

1 La 14905 4.05 604 3.84 572

♀ WEH Jessica VG 88 (♂ **Laudan**)

RZG

137 *97 %*

High Reliability >90%

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
125	121	93	127	118	112	99	109
99 %	*98 %*	*99 %*	*92 %*	*93 %*	*98 %*	*97 %*	*97 %*

Proof: vit / 08–2019

Odett GP 84

RZhealth	99	*82 %*
RZudderfit	98	*86 %*
RZhoof	102	*79 %*
RZrepro	100	*76 %*
RZmetabol	96	*80 %*
RZcalfhealth	120	*96 %*
DDcontrol	99	*83 %*

RZRobot	---	-- %

Kappa Casein --
Beta Casein A2/A2

Milk	Fat	Protein
+1052 kg	-0.17 %	+0.04 %
	+24 kg	+39 kg

Reliability	99 %
Daughters	3335
Herds	1066

- **Calf health**
- **Longevity**
- **Daughter fertility**

Linear Description		88 – 100 – 112 – 124	680240-Explizit	
Dairy Character (Index)			109	
Body (Index)			113	
Feet and legs (Index)			111	
Udder (Index)			118	
RZE (Index)			121	
Stature	*small*		112	*tall*
Dairy character	*little*		106	*angular*
Body depth	*shallow*		108	*deep*
Strength	*narrow*		111	*wide*
Rump angle	*ascending*		97	*sloped*
Rump width	*narrow*		102	*wide*
Rear leg set side view	*straight*		107	*sickled*
Foot angle	*low angles*		108	*steep angle*
Hocks	*swollen*		95	*clean*
Rear leg set rear view	*toes out*		104	*parallel*
Locomotion	*bad*		114	*good*
Rear udder height	*low*		106	*high*
Suspensory ligament	*weak*		102	*strong*
Teat placement (front)	*wide*		111	*close*
Teat placement (rear)	*wide*		98	*close*
Fore udder attachment	*loose*		117	*tight*
Udder depth	*deep*		118	*shallow*
Teat length	*short*		87	*long*

Daughters/ Herds Conformation: 1061/ 355

Godewind

pp CDF

Daughter Proven

151518 Born: 02.05.2012

NLD 000924308114

aAa 234156

♂ **Gold Chip** (♂ *Goldwyn*)

♀ KHW Andes (♂ **Sanchez**)

♀ KHW Aiko EX 91 (♂ **Goldwyn**)

HL 2 11530 5.20 600 3.95 456

♀ KHW Altitude EX 95 (♂ **Durham**)

RZG

110 *98 %*

High Reliability >90%

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
98	136	102	105	99	98	105	94
99 %	*97 %*	*99 %*	*96 %*	*93 %*	*98 %*	*97 %*	*96 %*

Proof: vit / 08–2019

Fux Tohuwabuhu VG 89 - 2 La

RZhealth	98	*86 %*
RZudderfit	94	*89 %*
RZhoof	106	*83 %*
RZrepro	101	*80 %*
RZmetabol	86	*82 %*
RZcalfhealth	92	*95 %*
DDcontrol	110	*85 %*

RZRobot	---	-- %

Kappa Casein --
Beta Casein A2/A2

Milk	Fat	Protein
+248 kg	+0.05 %	-0.20 %
	+15 kg	-11 kg

Reliability	99 %
Daughters	2689
Herds	849

- **Conformation**
- **Udder**
- **Feet & legs**

Linear Description		88 – 100 – 112 – 124	151518-Godewind	
Dairy Character (Index)			139	
Body (Index)			98	
Feet and legs (Index)			123	
Udder (Index)			134	
RZE (Index)			136	
Stature	*small*		130	*tall*
Dairy character	*little*		133	*angular*
Body depth	*shallow*		104	*deep*
Strength	*narrow*		88	*wide*
Rump angle	*ascending*		110	*sloped*
Rump width	*narrow*		98	*wide*
Rear leg set side view	*straight*		105	*sickled*
Foot angle	*low angles*		99	*steep angle*
Hocks	*swollen*		106	*clean*
Rear leg set rear view	*toes out*		117	*parallel*
Locomotion	*bad*		122	*good*
Rear udder height	*low*		126	*high*
Suspensory ligament	*weak*		122	*strong*
Teat placement (front)	*wide*		106	*close*
Teat placement (rear)	*wide*		99	*close*
Fore udder attachment	*loose*		122	*tight*
Udder depth	*deep*		125	*shallow*
Teat length	*short*		93	*long*

Daughters/ Herds Conformation: 682/ 264

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

08–2019

Maibach

pp CDF MEY Maibach

Daughter Proven

571861 Born: 14.04.2013

DEU 000356430467

aAa 432156

♂ **Meridian** (♂ *Domain*)

♀ MEY Romeika VG 86 (♂ **Snowman**)

HL 2 16438 3.46 569 3.03 498

♀ Ronya VG 89 (♂ **Goldwyn**)

HL 2 13573 3.86 524 3.37 458

♀ CS Ramine EX 90 (♂ **Aaron**)

Salvia VG 86

RZG

137 *95 %*

High Reliability >90%

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
140	110	116	104	94	111	110	97
99 %	*94 %*	*99 %*	*90 %*	*89 %*	*93 %*	*95 %*	*93 %*

Proof: vit / 08–2019

RZhealth	105	*74 %*
RZudderfit	102	*77 %*
RZhoof	109	*71 %*
RZrepro	100	*65 %*
RZmetabol	106	*71 %*
RZcalfhealth	97	*90 %*
DDcontrol	114	*74 %*

RZRobot	---	-- %

Kappa Casein --
Beta Casein --/--

Milk	Fat	Protein
+1818 kg	-0.17 %	-0.04 %
	+52 kg	+57 kg

Reliability 99 %
Daughters 1891
Herds 615

- **Milk production**
- **Calving ease**
- **Cell score**

Linear Description		88 – 100 – 112 – 124		571861-Maibach
Dairy Character (Index)			123	
Body (Index)			90	
Feet and legs (Index)			103	
Udder (Index)			113	
RZE (Index)			110	
Stature	*small*		108	*tall*
Dairy character	*little*		120	*angular*
Body depth	*shallow*		101	*deep*
Strength	*narrow*		82	*wide*
Rump angle	*ascending*		105	*sloped*
Rump width	*narrow*		87	*wide*
Rear leg set side view	*straight*		120	*sickled*
Foot angle	*low angles*		79	*steep angle*
Hocks	*swollen*		120	*clean*
Rear leg set rear view	*toes out*		106	*parallel*
Locomotion	*bad*		106	*good*
Rear udder height	*low*		114	*high*
Suspensory ligament	*weak*		113	*strong*
Teat placement (front)	*wide*		118	*close*
Teat placement (rear)	*wide*		118	*close*
Fore udder attachment	*loose*		106	*tight*
Udder depth	*deep*		101	*shallow*
Teat length	*short*		108	*long*

Daughters/ Herds Conformation: 294/ 150

08–2019

Mr Max

pp CDF

Daughter Proven

811488 Born: 08.04.2013

USA 000071588582

aAa 531426

♂ **Mogul** (♂ *Dorcy*)

♀ Super VG 85 (♂ **Super**)

1 La 14197 3.32 472 3.27 464

♀ Planet 4521 VG 87 (♂ **Planet**)

HL 3 16934 3.28 555 3.48 589

♀ Amateur VG 85 (♂ **Amateur**)

AGK Baxi VG 86

RZG

143 *96 %*

High Reliability >90%

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
130	132	118	117	97	116	114	117
99 %	*98 %*	*99 %*	*89 %*	*91 %*	*99 %*	*98 %*	*93 %*

Proof: vit / 08–2019

RZhealth	111	*91 %*
RZudderfit	109	*93 %*
RZhoof	115	*90 %*
RZrepro	101	*86 %*
RZmetabol	106	*89 %*
RZcalfhealth	92	*96 %*
DDcontrol	123	*93 %*

RZRobot	---	-- %

Kappa Casein --
Beta Casein --/--

Milk	Fat	Protein
+1957 kg	-0.35 %	-0.19 %
	+37 kg	+45 kg

Reliability 99 %
Daughters 2646
Herds 659

- **Conformation**
- **Milk production**
- **Feet & legs**

Linear Description		88 – 100 – 112 – 124		811488-Mr Max
Dairy Character (Index)			114	
Body (Index)			96	
Feet and legs (Index)			136	
Udder (Index)			124	
RZE (Index)			132	
Stature	*small*		99	*tall*
Dairy character	*little*		112	*angular*
Body depth	*shallow*		96	*deep*
Strength	*narrow*		87	*wide*
Rump angle	*ascending*		98	*sloped*
Rump width	*narrow*		103	*wide*
Rear leg set side view	*straight*		94	*sickled*
Foot angle	*low angles*		120	*steep angle*
Hocks	*swollen*		118	*clean*
Rear leg set rear view	*toes out*		109	*parallel*
Locomotion	*bad*		130	*good*
Rear udder height	*low*		117	*high*
Suspensory ligament	*weak*		101	*strong*
Teat placement (front)	*wide*		113	*close*
Teat placement (rear)	*wide*		102	*close*
Fore udder attachment	*loose*		124	*tight*
Udder depth	*deep*		123	*shallow*
Teat length	*short*		81	*long*

Daughters/ Herds Conformation: 918/ 205

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Sinclair

pp CDF

Daughter Proven

804345 Born: 02.09.2013

DEU 000538108949

aAa 342516

♂ **Shaw** (♂ *Freddie*)

♀ Sambuca VG 86 (♂ **Beacon**)
HL 4 13175 4.08 537 3.37 444

♀ Sarah VG 86 (♂ **Goldwyn**)
HL 4 12918 3.86 499 3.36 434

♀ Saphir VG 86 (♂ **Bormio**)

RZG

145
93 %

High Reliability >90%

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
135	118	107	117	116	109	90	109
98 %	*93 %*	*97 %*	*83 %*	*81 %*	*90 %*	*92 %*	*84 %*

Proof: vit / 08–2019

Simona GP 83 - 1 La

RZhealth	110	*82 %*
RZudderfit	106	*85 %*
RZhoof	104	*81 %*
RZrepro	119	*74 %*
RZmetabol	104	*78 %*
RZcalfhealth	93	*84 %*
DDcontrol	101	*83 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	--/--

Milk	Fat	Protein
+1350 kg	+0.06 %	-0.01 %
	+60 kg	+44 kg

Reliability	98 %
Daughters	685
Herds	190

- **Less stature and angularity & more strength**
- **Functionality**

Linear Description		88 – 100 – 112 – 124	804345-Sinclair	
Dairy Character (Index)			78	
Body (Index)			106	
Feet and legs (Index)			114	
Udder (Index)			122	
RZE (Index)			118	
Stature	*small*		88	*tall*
Dairy character	*little*		79	*angular*
Body depth	*shallow*		103	*deep*
Strength	*narrow*		118	*wide*
Rump angle	*ascending*		104	*sloped*
Rump width	*narrow*		100	*wide*
Rear leg set side view	*straight*		112	*sickled*
Foot angle	*low angles*		88	*steep angle*
Hocks	*swollen*		115	*clean*
Rear leg set rear view	*toes out*		118	*parallel*
Locomotion	*bad*		111	*good*
Rear udder height	*low*		112	*high*
Suspensory ligament	*weak*		104	*strong*
Teat placement (front)	*wide*		106	*close*
Teat placement (rear)	*wide*		110	*close*
Fore udder attachment	*loose*		125	*tight*
Udder depth	*deep*		114	*shallow*
Teat length	*short*		97	*long*

Daughters/ Herds Conformation: 246/ 57

Balbo

pp CDF

Daughter Proven

796330 Born: 15.05.2014

DEU 000357162995

aAa ------

♂ **Balisto** (♂ *Bookem*)

♀ Sinja VG 86 (♂ **Bookem**)
HL 3 13035 3.23 421 3.42 446

♀ Silla EX 90 (♂ **Titanic**)
HL 3 16122 3.86 623 3.37 544

♀ Silvia VG 86 (♂ **Ford**)

RZG

146
84 %

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
138	118	121	126	101	103	121	102
95 %	*80 %*	*92 %*	*56 %*	*64 %*	*86 %*	*81 %*	*86 %*

Proof: vit / 08–2019

Kaufler GP 83

RZhealth	104	*59 %*
RZudderfit	103	*60 %*
RZhoof	99	*58 %*
RZrepro	107	*57 %*
RZmetabol	109	*58 %*
RZcalfhealth	110	*67 %*
DDcontrol	88	*57 %*

RZRobot	119	85 %

Kappa Casein	--
Beta Casein	--/--

Milk	Fat	Protein
+859 kg	+0.46 %	+0.10 %
	+81 kg	+39 kg

Reliability	95 %
Daughters	257
Herds	171

- **Components**
- **Longevity**
- **Udder**

Linear Description		88 – 100 – 112 – 124	796330-Balbo	
Dairy Character (Index)			116	
Body (Index)			104	
Feet and legs (Index)			110	
Udder (Index)			117	
RZE (Index)			118	
Stature	*small*		110	*tall*
Dairy character	*little*		115	*angular*
Body depth	*shallow*		106	*deep*
Strength	*narrow*		97	*wide*
Rump angle	*ascending*		106	*sloped*
Rump width	*narrow*		94	*wide*
Rear leg set side view	*straight*		104	*sickled*
Foot angle	*low angles*		106	*steep angle*
Hocks	*swollen*		104	*clean*
Rear leg set rear view	*toes out*		111	*parallel*
Locomotion	*bad*		104	*good*
Rear udder height	*low*		109	*high*
Suspensory ligament	*weak*		101	*strong*
Teat placement (front)	*wide*		119	*close*
Teat placement (rear)	*wide*		102	*close*
Fore udder attachment	*loose*		113	*tight*
Udder depth	*deep*		111	*shallow*
Teat length	*short*		105	*long*

Daughters/ Herds Conformation: 66/ 46

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

08–2019

Balic

pp CDF

Daughter Proven

767500 Born: 05.08.2014

DEU 000538587116

aAa ------

♂ **Balisto** (♂ *Bookem*)

♀ Early VG 87 (♂ **Epic**)

HL 2 11828 3.72 440 3.47 410

♀ Iowa VG 89 (♂ **Baltimor**)

HL 2 14246 3.75 534 3.39 483

♀ Irlanda EX 90 (♂ **Mac**)

RZG

136

82 %

Pia

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
139	105	111	119	93	99	116	112
94 %	*82 %*	*90 %*	*52 %*	*59 %*	*91 %*	*80 %*	*84 %*

Proof: vit / 08–2019

Linear Description	88 – 100 – 112 – 124	767500-Balic
Dairy Character (Index)	116	
Body (Index)	98	
Feet and legs (Index)	98	
Udder (Index)	106	
RZE (Index)	105	

Stature	*small*	125	*tall*
Dairy character	*little*	117	*angular*
Body depth	*shallow*	95	*deep*
Strength	*narrow*	94	*wide*
Rump angle	*ascending*	96	*sloped*
Rump width	*narrow*	100	*wide*
Rear leg set side view	*straight*	108	*sickled*
Foot angle	*low angles*	108	*steep angle*
Hocks	*swollen*	102	*clean*
Rear leg set rear view	*toes out*	92	*parallel*
Locomotion	*bad*	94	*good*
Rear udder height	*low*	102	*high*
Suspensory ligament	*weak*	95	*strong*
Teat placement (front)	*wide*	109	*close*
Teat placement (rear)	*wide*	101	*close*
Fore udder attachment	*loose*	103	*tight*
Udder depth	*deep*	111	*shallow*
Teat length	*short*	111	*long*

Daughters/ Herds Conformation: 64/ 41

RZhealth	101	*61 %*
RZudderfit	102	*63 %*
RZhoof	99	*57 %*
RZrepro	100	*58 %*
RZmetabol	101	*60 %*
RZcalfhealth	96	*80 %*
DDcontrol	83	*57 %*
RZRobot	116	*85 %*

Kappa Casein BB
Beta Casein --/--

Milk	Fat	Protein
+1380 kg	+0.04 %	+0.05 %
	+58 kg	+51 kg

Reliability 94 %
Daughters 201
Herds 131

- **Longevity**
- **Milk production**
- **Fits for AMS**

08–2019

Blacklist

pp CDF

Daughter Proven

571887 Born: 15.10.2014

DEU 000121478656

aAa 432615

♂ **Balisto** (♂ *Bookem*)

♀ Bayla VG 86 (♂ **Garrett**)

1 La 10168 3.81 387 3.27 333

♀ Baviere VG 87 (♂ **Shottle**)

HL 3 12673 3.90 494 3.42 434

♀ SH Jocko Jen VG 85 (♂ **Jocko Besne**)

RZG

146

89 %

Uhu GP 83

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
134	117	126	132	98	111	117	92
98 %	*93 %*	*96 %*	*63 %*	*69 %*	*97 %*	*90 %*	*89 %*

Proof: vit / 08–2019

Linear Description	88 – 100 – 112 – 124	571887-Blacklist
Dairy Character (Index)	108	
Body (Index)	105	
Feet and legs (Index)	121	
Udder (Index)	108	
RZE (Index)	117	

Stature	*small*	98	*tall*
Dairy character	*little*	106	*angular*
Body depth	*shallow*	99	*deep*
Strength	*narrow*	94	*wide*
Rump angle	*ascending*	91	*sloped*
Rump width	*narrow*	118	*wide*
Rear leg set side view	*straight*	99	*sickled*
Foot angle	*low angles*	107	*steep angle*
Hocks	*swollen*	109	*clean*
Rear leg set rear view	*toes out*	113	*parallel*
Locomotion	*bad*	116	*good*
Rear udder height	*low*	107	*high*
Suspensory ligament	*weak*	76	*strong*
Teat placement (front)	*wide*	106	*close*
Teat placement (rear)	*wide*	76	*close*
Fore udder attachment	*loose*	113	*tight*
Udder depth	*deep*	108	*shallow*
Teat length	*short*	114	*long*

Daughters/ Herds Conformation: 239/ 71

RZhealth	113	*62 %*
RZudderfit	114	*66 %*
RZhoof	107	*56 %*
RZrepro	108	*58 %*
RZmetabol	107	*67 %*
RZcalfhealth	114	*93 %*
DDcontrol	108	*54 %*
RZRobot	---	*-- %*

Kappa Casein AB
Beta Casein --/--

Milk	Fat	Protein
+1226 kg	-0.17 %	+0.14 %
	+31 kg	+56 kg

Reliability 98 %
Daughters 662
Herds 274

- **Longevity**
- **Udder fitness**
- **Calving ease**

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Board

pp CDF Venriete RUW Board

Daughter Proven

681573 Born: 18.08.2014

DEU 000538393143

aAa 243165

♂ **Boss** (♂ *Bookem*)

♀ Ida 66 VG 88 (♂ **Epic**)

HL 3 11275 4.75 536 3.54 399

♀ Ida 31 VG 87 (♂ **Niagra**)

HL 5 12593 4.03 507 3.63 457

♀ Ida 6 VG 88 (♂ **Shottle**)

RZG

138
89 %

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
128	114	125	121	101	100	110	82
98 %	*93 %*	*96 %*	*67 %*	*71 %*	*95 %*	*89 %*	*91 %*

Proof: vit / 08–2019

GIN Marina VG 85

RZhealth	107	*62 %*
RZudderfit	105	*65 %*
RZhoof	108	*57 %*
RZrepro	102	*57 %*
RZmetabol	106	*65 %*
RZcalfhealth	92	*90 %*
DDcontrol	98	*53 %*

RZRobot	---	-- %

Kappa Casein	AA
Beta Casein	A1/A2

Milk	Fat	Protein
+875 kg	+0.06 %	+0.09 %
	+41 kg	+38 kg

Reliability	98 %
Daughters	704
Herds	339

- **Longevity**
- **Cell score**
- **Feet & legs**

Linear Description		88 – 100 – 112 – 124 (681573-Board)		
Dairy Character (Index)			108	
Body (Index)			104	
Feet and legs (Index)			123	
Udder (Index)			103	
RZE (Index)			114	
Stature	*small*		116	*tall*
Dairy character	*little*		106	*angular*
Body depth	*shallow*		92	*deep*
Strength	*narrow*		102	*wide*
Rump angle	*ascending*		112	*sloped*
Rump width	*narrow*		111	*wide*
Rear leg set side view	*straight*		87	*sickled*
Foot angle	*low angles*		117	*steep angle*
Hocks	*swollen*		113	*clean*
Rear leg set rear view	*toes out*		110	*parallel*
Locomotion	*bad*		114	*good*
Rear udder height	*low*		117	*high*
Suspensory ligament	*weak*		114	*strong*
Teat placement (front)	*wide*		133	*close*
Teat placement (rear)	*wide*		137	*close*
Fore udder attachment	*loose*		98	*tight*
Udder depth	*deep*		106	*shallow*
Teat length	*short*		84	*long*

Daughters/ Herds Conformation: 334/ 168

Calvo

pp CDF

Daughter Proven

811550 Born: 10.02.2015

DEU 000950350260

aAa 243156

♂ **Commander** (♂ *Mogul*)

♀ Gill VG 86 (♂ **Epic**)

HL 2 11776 3.59 423 3.26 384

♀ Gypsy EX 92 (♂ **Atwood**)

HL 2 14492 4.14 600 3.15 456

♀ Tap EX 92 (♂ **Throne**)

RZG

141
82 %

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
135	127	114	112	101	107	102	90
89 %	*81 %*	*85 %*	*72 %*	*64 %*	*85 %*	*77 %*	*81 %*

Proof: vit / 08–2019

Calvira GP 83

RZhealth	110	*64 %*
RZudderfit	113	*68 %*
RZhoof	111	*57 %*
RZrepro	98	*59 %*
RZmetabol	98	*66 %*
RZcalfhealth	95	*78 %*
DDcontrol	119	*56 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A2/A2

Milk	Fat	Protein
+1355 kg	+0.11 %	-0.05 %
	+66 kg	+40 kg

Reliability	89 %
Daughters	78
Herds	44

- **Conformation**
- **Milk production**
- **Improves health**

Linear Description		88 – 100 – 112 – 124 (811550-Calvo)		
Dairy Character (Index)			123	
Body (Index)			109	
Feet and legs (Index)			116	
Udder (Index)			122	
RZE (Index)			127	
Stature	*small*		115	*tall*
Dairy character	*little*		120	*angular*
Body depth	*shallow*		109	*deep*
Strength	*narrow*		98	*wide*
Rump angle	*ascending*		91	*sloped*
Rump width	*narrow*		108	*wide*
Rear leg set side view	*straight*		108	*sickled*
Foot angle	*low angles*		101	*steep angle*
Hocks	*swollen*		114	*clean*
Rear leg set rear view	*toes out*		106	*parallel*
Locomotion	*bad*		113	*good*
Rear udder height	*low*		126	*high*
Suspensory ligament	*weak*		106	*strong*
Teat placement (front)	*wide*		107	*close*
Teat placement (rear)	*wide*		106	*close*
Fore udder attachment	*loose*		114	*tight*
Udder depth	*deep*		116	*shallow*
Teat length	*short*		87	*long*

Daughters/ Herds Conformation: 46/ 23

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

08–2019

Checkmate

pp* CDF

Daughter Proven

571878 Born: 10.02.2014

NLD 000899537342

aAa 342516

♂ **Aikman RDC** (♂ *Snowman*)

♀ Chrissy VG 87 (♂ **Beacon**)

1 La 9014 4.95 446 3.81 343

♀ Chenile-ET VG 86 (♂ **Ramos**)

HL 3 13531 4.44 601 3.33 450

♀ Champagne EX 90 (♂ **Outside**)

RZG

139

88 %

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
131	120	106	117	110	106	108	91
98 %	*86 %*	*96 %*	*64 %*	*70 %*	*91 %*	*87 %*	*86 %*

Proof: vit / 08–2019

OFH Uschi GP 83

RZhealth	111	*60 %*
RZudderfit	102	*62 %*
RZhoof	119	*58 %*
RZrepro	109	*58 %*
RZmetabol	107	*61 %*
RZcalfhealth	112	*81 %*
DDcontrol	127	*57 %*

RZRobot	---	-- %

Kappa Casein --
Beta Casein --/--

Milk	Fat	Protein
+278 kg	+0.47 %	+0.28 %
	+56 kg	+36 kg

Reliability 98 %
Daughters 550
Herds 235

- **DDcontrol**
- **Improves health**
- **Components**

Linear Description		88 – 100 – 112 – 124	571878-Checkmate	
Dairy Character (Index)			94	
Body (Index)			113	
Feet and legs (Index)			117	
Udder (Index)			116	
RZE (Index)			120	
Stature	*small*		98	*tall*
Dairy character	*little*		92	*angular*
Body depth	*shallow*		110	*deep*
Strength	*narrow*		116	*wide*
Rump angle	*ascending*		97	*sloped*
Rump width	*narrow*		103	*wide*
Rear leg set side view	*straight*		100	*sickled*
Foot angle	*low angles*		100	*steep angle*
Hocks	*swollen*		105	*clean*
Rear leg set rear view	*toes out*		118	*parallel*
Locomotion	*bad*		115	*good*
Rear udder height	*low*		122	*high*
Suspensory ligament	*weak*		112	*strong*
Teat placement (front)	*wide*		112	*close*
Teat placement (rear)	*wide*		117	*close*
Fore udder attachment	*loose*		111	*tight*
Udder depth	*deep*		99	*shallow*
Teat length	*short*		97	*long*

Daughters/ Herds Conformation: 97/ 40

08–2019

Come On

pp CDF CHH Come On

Daughter Proven

619124 Born: 10.01.2015

DEU 000666493155

aAa 234165

♂ **Commander** (♂ *Mogul*)

♀ Santana VG 86 (♂ **Lexor**)

HL 2 12316 4.17 514 3.55 437

♀ Vieuxsaule Freddie Satsue VG 86 (♂ **Freddie**)

1 La 10725 4.71 505 3.26 350

♀ Vieuxsaule Bolton Halia VG 87 (♂ **Bolton**)

RZG

140

82 %

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
142	107	99	111	112	117	104	109
89 %	*80 %*	*85 %*	*71 %*	*59 %*	*92 %*	*81 %*	*87 %*

Proof: vit / 08–2019

Santana VG 86

RZhealth	107	*62 %*
RZudderfit	104	*66 %*
RZhoof	108	*57 %*
RZrepro	104	*58 %*
RZmetabol	103	*62 %*
RZcalfhealth	92	*77 %*
DDcontrol	117	*56 %*

RZRobot	---	-- %

Kappa Casein AA
Beta Casein A2/A2

Milk	Fat	Protein
+800 kg	+0.51 %	+0.19 %
	+83 kg	+46 kg

Reliability 89 %
Daughters 174
Herds 100

- **Components**
- **Daughter fertility**
- **Calving ease**

Linear Description		88 – 100 – 112 – 124	619124-Come On	
Dairy Character (Index)			106	
Body (Index)			112	
Feet and legs (Index)			91	
Udder (Index)			110	
RZE (Index)			107	
Stature	*small*		118	*tall*
Dairy character	*little*		102	*angular*
Body depth	*shallow*		110	*deep*
Strength	*narrow*		106	*wide*
Rump angle	*ascending*		96	*sloped*
Rump width	*narrow*		108	*wide*
Rear leg set side view	*straight*		116	*sickled*
Foot angle	*low angles*		101	*steep angle*
Hocks	*swollen*		101	*clean*
Rear leg set rear view	*toes out*		88	*parallel*
Locomotion	*bad*		95	*good*
Rear udder height	*low*		105	*high*
Suspensory ligament	*weak*		105	*strong*
Teat placement (front)	*wide*		121	*close*
Teat placement (rear)	*wide*		115	*close*
Fore udder attachment	*loose*		110	*tight*
Udder depth	*deep*		109	*shallow*
Teat length	*short*		99	*long*

Daughters/ Herds Conformation: 40/ 25

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Delano

pp CDF

Daughter Proven

811549 Born: 10.02.2015

DEU 001501255915

aAa 243165

♂ **Defender** (♂ *Mogul*)

♀ De-Su 2324 GP 82 (♂ **McCutchen**)

HL 1 15118 3.29 497 2.76 417

♀ Ariane GP 83 (♂ **Super**)

♀ ATM EX 92 (♂ **Goldwyn**)

Delana GP 83

RZG

127
82 %

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
110	135	120	112	110	99	121	106
89 %	*80 %*	*85 %*	*72 %*	*64 %*	*90 %*	*76 %*	*81 %*

Proof: vit / 08–2019

RZhealth	107	*64 %*
RZudderfit	112	*68 %*
RZhoof	104	*58 %*
RZrepro	98	*59 %*
RZmetabol	100	*65 %*
RZcalfhealth	110	*81 %*
DDcontrol	100	*57 %*

RZRobot	---	-- %

Kappa Casein	--
Beta Casein	--/--

Milk	Fat	Protein
+1034 kg	-0.24 %	-0.22 %
	+16 kg	+12 kg

Reliability	89 %
Daughters	78
Herds	42

- **Conformation**
- **Udder**
- **Functionality**

Linear Description		88 – 100 – 112 – 124 (811549-Delano)		
Dairy Character (Index)			115	
Body (Index)			101	
Feet and legs (Index)			108	
Udder (Index)			148	
RZE (Index)			135	
Stature	*small*		135	*tall*
Dairy character	*little*		111	*angular*
Body depth	*shallow*		99	*deep*
Strength	*narrow*		99	*wide*
Rump angle	*ascending*		106	*sloped*
Rump width	*narrow*		105	*wide*
Rear leg set side view	*straight*		105	*sickled*
Foot angle	*low angles*		106	*steep angle*
Hocks	*swollen*		97	*clean*
Rear leg set rear view	*toes out*		112	*parallel*
Locomotion	*bad*		106	*good*
Rear udder height	*low*		139	*high*
Suspensory ligament	*weak*		118	*strong*
Teat placement (front)	*wide*		109	*close*
Teat placement (rear)	*wide*		101	*close*
Fore udder attachment	*loose*		133	*tight*
Udder depth	*deep*		145	*shallow*
Teat length	*short*		93	*long*

Daughters/ Herds Conformation: 42/ 23

Malta

pp CDF

Daughter Proven

151576 Born: 13.11.2013

DNK 000000256827

aAa 423561

♂ **Model** (♂ *Robust*)

♀ Anderstrup Snow Heidi VG 86 (♂ **Snowman**)

1/1 La 15579 4.19 652 3.07 479

♀ Anderstrup Heidi VG 89 (♂ **Shottle**)

1/1 La 16227 3.75 608 3.26 529

♀ Cogent Heaven VG 87 (♂ **Boliver**)

Nostra VG 85 - 1 La

RZG

139
86 %

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
135	130	99	111	97	97	117	110
96 %	*83 %*	*93 %*	*61 %*	*66 %*	*81 %*	*82 %*	*81 %*

Proof: vit / 08–2019

RZhealth	101	*61 %*
RZudderfit	92	*65 %*
RZhoof	108	*57 %*
RZrepro	107	*55 %*
RZmetabol	105	*59 %*
RZcalfhealth	104	*70 %*
DDcontrol	100	*56 %*

RZRobot	118	85 %

Kappa Casein	AA
Beta Casein	A1/A2

Milk	Fat	Protein
+1517 kg	+0.06 %	-0.11 %
	+67 kg	+39 kg

Reliability	96 %
Daughters	259
Herds	151

- **Milk production**
- **Conformation**
- **Feet & legs**

Linear Description		88 – 100 – 112 – 124 (151576-Malta)		
Dairy Character (Index)			116	
Body (Index)			115	
Feet and legs (Index)			135	
Udder (Index)			113	
RZE (Index)			130	
Stature	*small*		105	*tall*
Dairy character	*little*		111	*angular*
Body depth	*shallow*		117	*deep*
Strength	*narrow*		105	*wide*
Rump angle	*ascending*		104	*sloped*
Rump width	*narrow*		105	*wide*
Rear leg set side view	*straight*		79	*sickled*
Foot angle	*low angles*		126	*steep angle*
Hocks	*swollen*		107	*clean*
Rear leg set rear view	*toes out*		127	*parallel*
Locomotion	*bad*		128	*good*
Rear udder height	*low*		121	*high*
Suspensory ligament	*weak*		93	*strong*
Teat placement (front)	*wide*		106	*close*
Teat placement (rear)	*wide*		102	*close*
Fore udder attachment	*loose*		108	*tight*
Udder depth	*deep*		102	*shallow*
Teat length	*short*		95	*long*

Daughters/ Herds Conformation: 73/ 42

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

08–2019

Midas

pp CDF SL Midas

Daughter Proven

823112 Born: 11.11.2013

DEU 001501416645

aAa 342516

♂ **Model** (♂ *Robust*)

♀ SL Jasmin 1 VG 88 (♂ **Goldwyn**)

HL 2 14682 4.37 642 3.24 476

♀ SL Jeanette 2 VG 87 (♂ **Duplex**)

HL 4 12591 3.98 501 3.38 425

♀ SL Jeanette EX 91 (♂ **Starleader**)

RZG

129

87 %

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
119	130	110	105	100	110	121	107
96 %	*87 %*	*94 %*	*66 %*	*69 %*	*84 %*	*85 %*	*82 %*

Proof: vit / 08–2019

Luise GP 84

Linear Description		88 – 100 – 112 – 124	823112-Midas	
Dairy Character (Index)			109	
Body (Index)			102	
Feet and legs (Index)			138	
Udder (Index)			118	
RZE (Index)			130	
Stature	*small*		100	*tall*
Dairy character	*little*		105	*angular*
Body depth	*shallow*		103	*deep*
Strength	*narrow*		95	*wide*
Rump angle	*ascending*		102	*sloped*
Rump width	*narrow*		97	*wide*
Rear leg set side view	*straight*		105	*sickled*
Foot angle	*low angles*		81	*steep angle*
Hocks	*swollen*		134	*clean*
Rear leg set rear view	*toes out*		127	*parallel*
Locomotion	*bad*		132	*good*
Rear udder height	*low*		119	*high*
Suspensory ligament	*weak*		97	*strong*
Teat placement (front)	*wide*		103	*close*
Teat placement (rear)	*wide*		104	*close*
Fore udder attachment	*loose*		116	*tight*
Udder depth	*deep*		110	*shallow*
Teat length	*short*		104	*long*

Daughters/ Herds Conformation: 103/ 34

RZhealth	117	*71 %*
RZudderfit	119	*75 %*
RZhoof	116	*70 %*
RZrepro	110	*63 %*
RZmetabol	87	*66 %*
RZcalfhealth	109	*70 %*
DDcontrol	109	*74 %*
RZRobot	127	88 %

Kappa Casein AA
Beta Casein --/--

Milk	Fat	Protein
+945 kg	-0.13 %	-0.04 %
	+24 kg	+28 kg

Reliability 96 %
Daughters 287
Herds 101

- **Feet & legs**
- **Improves health**
- **Fits for AMS**

08–2019

Sukari

pp CDF MHD Sukari

Daughter Proven

804334 Born: 12.04.2013

DEU 001404626165

aAa 243156

♂ **Supersire** (♂ *Robust*)

♀ MHD Lorelei VG 85 (♂ **Gerard**)

HL 3 14309 3.96 567 3.32 475

♀ GH Lotos EX 90 (♂ **Shottle**)

HL 5 15860 4.12 653 3.25 516

♀ BIL Lolita EX 91 (♂ **Ramos**)

RZG

140

87 %

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
131	123	97	121	111	107	113	110
95 %	*87 %*	*92 %*	*70 %*	*68 %*	*83 %*	*81 %*	*82 %*

Proof: vit / 08–2019

Sue Ann GP 84 - 1 La

Linear Description		88 – 100 – 112 – 124	804334-Sukari	
Dairy Character (Index)			105	
Body (Index)			107	
Feet and legs (Index)			112	
Udder (Index)			125	
RZE (Index)			123	
Stature	*small*		111	*tall*
Dairy character	*little*		101	*angular*
Body depth	*shallow*		103	*deep*
Strength	*narrow*		104	*wide*
Rump angle	*ascending*		93	*sloped*
Rump width	*narrow*		100	*wide*
Rear leg set side view	*straight*		96	*sickled*
Foot angle	*low angles*		102	*steep angle*
Hocks	*swollen*		105	*clean*
Rear leg set rear view	*toes out*		103	*parallel*
Locomotion	*bad*		110	*good*
Rear udder height	*low*		117	*high*
Suspensory ligament	*weak*		107	*strong*
Teat placement (front)	*wide*		88	*close*
Teat placement (rear)	*wide*		99	*close*
Fore udder attachment	*loose*		124	*tight*
Udder depth	*deep*		122	*shallow*
Teat length	*short*		98	*long*

Daughters/ Herds Conformation: 99/ 21

RZhealth	114	*78 %*
RZudderfit	114	*80 %*
RZhoof	107	*76 %*
RZrepro	109	*70 %*
RZmetabol	114	*72 %*
RZcalfhealth	108	*61 %*
DDcontrol	105	*79 %*
RZRobot	115	87 %

Kappa Casein --
Beta Casein A1/A2

Milk	Fat	Protein
+1414 kg	-0.23 %	±0.00 %
	+32 kg	+48 kg

Reliability 95 %
Daughters 181
Herds 43

- **Improves health**
- **Milk production**
- **Udder**

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Adrian PP

PP* CDF

GENOMIC

Homozygous polled

768605 Born: 23.10.2017

DEU 000816903339

aAa ------

♂ **Adagio P** (♂ *Powerball P*)

♀ Haileigh P VG 86 (♂ **Eraser P**)

1 La 10076 3.70 373 3.57 360

♀ Hand Maur VG 86 (♂ **Maurice**)

HL 1 10533 4.15 437 3.53 372

♀ Handrail VG 88 (♂ **Magna P RF**)

gRZG

144
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
146	114	102	106	113	100	111	100
73 %	*63 %*	*76 %*	*66 %*	*53 %*	*63 %*	*61 %*	*71 %*

Proof: vit / 08–2019

Adrian PP

Linear Description		88 – 100 – 112 – 124 (768605-Adrian PP)		
Dairy Character (Index)			119	
Body (Index)			112	
Feet and legs (Index)			102	
Udder (Index)			111	
RZE (Index)			114	
Stature	*small*		128	*tall*
Dairy character	*little*		117	*angular*
Body depth	*shallow*		114	*deep*
Strength	*narrow*		104	*wide*
Rump angle	*ascending*		96	*sloped*
Rump width	*narrow*		111	*wide*
Rear leg set side view	*straight*		101	*sickled*
Foot angle	*low angles*		98	*steep angle*
Hocks	*swollen*		102	*clean*
Rear leg set rear view	*toes out*		101	*parallel*
Locomotion	*bad*		103	*good*
Rear udder height	*low*		116	*high*
Suspensory ligament	*weak*		103	*strong*
Teat placement (front)	*wide*		91	*close*
Teat placement (rear)	*wide*		97	*close*
Fore udder attachment	*loose*		105	*tight*
Udder depth	*deep*		106	*shallow*
Teat length	*short*		122	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	104	*56 %*
RZudderfit	105	*60 %*
RZhoof	100	*51 %*
RZrepro	107	*52 %*
RZmetabol	99	*54 %*
RZcalfhealth	101	*49 %*
DDcontrol	96	*51 %*
RZRobot	117	*71 %*

Kappa Casein AB
Beta Casein A2/A2

Milk	Fat	Protein
+1941 kg	-0.08 %	-0.03 %
	+67 kg	+62 kg

Reliability 73 %
Daughters –
Herds –

- **Fits for AMS**
- **Milk production**
- **Daughter fertility**

08–2019

polled

Advokat PP

PP* CDF SPH Advokat PP

GENOMIC

Homozygous polled

619177 Born: 01.07.2017

DEU 000667098856

aAa 342516

♂ **Adagio P** (♂ *Powerball P*)

♀ BOP Charis PP VG 85 (♂ **Ocean PP**)

1/1 La 8523 5.15 439 4.02 343

♀ Chocolate P VG 87 (♂ **Picanto**)

HL 3 11790 4.30 507 3.54 417

♀ BOP Camela Mr PP VG 85 (♂ **Mitey P RDC**)

gRZG

138
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
125	127	119	113	119	109	110	109
73 %	*63 %*	*76 %*	*66 %*	*53 %*	*63 %*	*61 %*	*72 %*

Proof: vit / 08–2019

Advokat PP

Linear Description		88 – 100 – 112 – 124 (619177-Advokat PP)		
Dairy Character (Index)			104	
Body (Index)			109	
Feet and legs (Index)			106	
Udder (Index)			135	
RZE (Index)			127	
Stature	*small*		115	*tall*
Dairy character	*little*		104	*angular*
Body depth	*shallow*		102	*deep*
Strength	*narrow*		107	*wide*
Rump angle	*ascending*		99	*sloped*
Rump width	*narrow*		109	*wide*
Rear leg set side view	*straight*		95	*sickled*
Foot angle	*low angles*		108	*steep angle*
Hocks	*swollen*		100	*clean*
Rear leg set rear view	*toes out*		101	*parallel*
Locomotion	*bad*		103	*good*
Rear udder height	*low*		129	*high*
Suspensory ligament	*weak*		98	*strong*
Teat placement (front)	*wide*		96	*close*
Teat placement (rear)	*wide*		96	*close*
Fore udder attachment	*loose*		129	*tight*
Udder depth	*deep*		131	*shallow*
Teat length	*short*		108	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	113	*56 %*
RZudderfit	111	*60 %*
RZhoof	110	*51 %*
RZrepro	108	*52 %*
RZmetabol	108	*54 %*
RZcalfhealth	100	*49 %*
DDcontrol	112	*50 %*
RZRobot	129	*71 %*

Kappa Casein AA
Beta Casein A1/A1

Milk	Fat	Protein
+647 kg	+0.24 %	+0.06 %
	+50 kg	+28 kg

Reliability 73 %
Daughters –
Herds –

- **Outcross**
- **Udder**
- **Functionality**

08–2019

polled

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Babylon PP

PP CDF

797260 Born: 22.04.2018

DEU 000540415164

aAa ------

GENOMIC

Homozygous polled

♂ **Batch P** *(♂ Battlecry)*

♀ Denver VG 87 *(♂ **Missouri**)*

HL 2 13561 3.78 512 3.40 461

♀ Diamond 2 VG 89 *(♂ **Ladd P**)*

HL 3 11703 4.50 527 3.51 411

♀ Diana VG 86 *(♂ **Jordan**)*

gRZG

146

69 %

08–2019

polled

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
134	121	117	123	111	107	125	95
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*62 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Babylon PP

RZhealth	113	*56 %*
RZudderfit	110	*60 %*
RZhoof	114	*51 %*
RZrepro	106	*52 %*
RZmetabol	105	*54 %*
RZcalfhealth	108	*45 %*
DDcontrol	121	*50 %*

RZRobot	---	-- %

Kappa Casein	--
Beta Casein	A1/A2

Milk	Fat	Protein
+1986 kg	-0.30 %	-0.16 %
	+45 kg	+48 kg

Reliability	73 %
Daughters	–
Herds	–

- **Functionality**
- **Milk production**
- **Calving ease**

Linear Description		88 – 100 – 112 – 124 (797260-Babylon PP)		
Dairy Character (Index)			111	
Body (Index)			95	
Feet and legs (Index)			118	
Udder (Index)			122	
RZE (Index)			121	
Stature	*small*		105	*tall*
Dairy character	*little*		111	*angular*
Body depth	*shallow*		98	*deep*
Strength	*narrow*		90	*wide*
Rump angle	*ascending*		89	*sloped*
Rump width	*narrow*		103	*wide*
Rear leg set side view	*straight*		99	*sickled*
Foot angle	*low angles*		102	*steep angle*
Hocks	*swollen*		116	*clean*
Rear leg set rear view	*toes out*		105	*parallel*
Locomotion	*bad*		112	*good*
Rear udder height	*low*		112	*high*
Suspensory ligament	*weak*		101	*strong*
Teat placement (front)	*wide*		114	*close*
Teat placement (rear)	*wide*		108	*close*
Fore udder attachment	*loose*		122	*tight*
Udder depth	*deep*		116	*shallow*
Teat length	*short*		100	*long*

Daughters/ Herds Conformation: –/ –

Barman PP

PP* CDF

686115 Born: 29.04.2018

DEU 000539590548

aAa 342156

GENOMIC

Homozygous polled

♂ **Batch P** *(♂ Battlecry)*

♀ Saskia P GP 84 *(♂ **Araxis**)*

200T 6764 4.18 283 3.25 220

♀ Pine-Tree Styl 6186 PP GP 83 *(♂ **Style P**)*

HL 2 15554 4.00 622 3.19 496

♀ Pine-Tree Colt 5242 P RDC VG 85 *(♂ **Colt-P**)*

gRZG

146

68 %

08–2019

polled

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
131	117	116	135	110	107	118	103
73 %	*61 %*	*75 %*	*66 %*	*52 %*	*62 %*	*60 %*	*70 %*

Proof: vit / 08–2019

Barman PP

RZhealth	119	*55 %*
RZudderfit	117	*59 %*
RZhoof	116	*50 %*
RZrepro	109	*51 %*
RZmetabol	112	*53 %*
RZcalfhealth	111	*44 %*
DDcontrol	110	*49 %*

RZRobot	124	70 %

Kappa Casein	AA
Beta Casein	A2/A2

Milk	Fat	Protein
+694 kg	+0.33 %	+0.11 %
	+61 kg	+35 kg

Reliability	73 %
Daughters	–
Herds	–

- **Longevity**
- **Improves health**
- **Components**

Linear Description		88 – 100 – 112 – 124 (686115-Barman PP)		
Dairy Character (Index)			103	
Body (Index)			104	
Feet and legs (Index)			113	
Udder (Index)			116	
RZE (Index)			117	
Stature	*small*		119	*tall*
Dairy character	*little*		104	*angular*
Body depth	*shallow*		102	*deep*
Strength	*narrow*		104	*wide*
Rump angle	*ascending*		99	*sloped*
Rump width	*narrow*		104	*wide*
Rear leg set side view	*straight*		88	*sickled*
Foot angle	*low angles*		112	*steep angle*
Hocks	*swollen*		104	*clean*
Rear leg set rear view	*toes out*		107	*parallel*
Locomotion	*bad*		109	*good*
Rear udder height	*low*		102	*high*
Suspensory ligament	*weak*		106	*strong*
Teat placement (front)	*wide*		94	*close*
Teat placement (rear)	*wide*		91	*close*
Fore udder attachment	*loose*		116	*tight*
Udder depth	*deep*		119	*shallow*
Teat length	*short*		105	*long*

Daughters/ Herds Conformation: –/ –

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Lugano PP

PP* CDF

GENOMIC

Homozygous polled

619187 Born: 04.11.2017

DEU 001603937477

aAa ------

♂ **Lucky-PP** (♂ *Jax P RDC*)

♀ Dana P VG 85 (♂ **Milford-P**)

1 La 6025 3.75 226 3.30 199

♀ Daria EX 90 (♂ **Bookem**)

HL 2 14579 3.83 559 3.66 534

♀ Dorina VG 88 (♂ **Bolton**)

gRZG

135
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
115	114	131	131	112	105	123	95
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Lugano PP

Linear Description		88 – 100 – 112 – 124	619187-Lugano PP	
Dairy Character (Index)			110	
Body (Index)			90	
Feet and legs (Index)			113	
Udder (Index)			116	
RZE (Index)			114	
Stature	*small*		111	*tall*
Dairy character	*little*		108	*angular*
Body depth	*shallow*		90	*deep*
Strength	*narrow*		88	*wide*
Rump angle	*ascending*		114	*sloped*
Rump width	*narrow*		95	*wide*
Rear leg set side view	*straight*		91	*sickled*
Foot angle	*low angles*		103	*steep angle*
Hocks	*swollen*		114	*clean*
Rear leg set rear view	*toes out*		101	*parallel*
Locomotion	*bad*		107	*good*
Rear udder height	*low*		115	*high*
Suspensory ligament	*weak*		98	*strong*
Teat placement (front)	*wide*		95	*close*
Teat placement (rear)	*wide*		94	*close*
Fore udder attachment	*loose*		110	*tight*
Udder depth	*deep*		117	*shallow*
Teat length	*short*		119	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	123	*55 %*
RZudderfit	126	*59 %*
RZhoof	116	*50 %*
RZrepro	106	*51 %*
RZmetabol	112	*53 %*
RZcalfhealth	117	*47 %*
DDcontrol	116	*49 %*
RZRobot	131	*70 %*

Kappa Casein	AA
Beta Casein	A1/A2

Milk	Fat	Protein
+185 kg	+0.14 %	+0.15 %
	+21 kg	+21 kg

Reliability	73 %
Daughters	–
Herds	–

- **Improves health**
- **Functionality**
- **Calf health**

08–2019

polled

Makari PP

PP* CDF

GENOMIC

Homozygous polled

811597 Born: 04.04.2017

DEU 000951596685

aAa 342156

♂ **Mission P RDC** (♂ *Missouri*)

♀ Damira GP 83 (♂ **Style P**)

1 La 10148 3.59 364 3.28 333

♀ Odaddy GP 82 (♂ **Daddy**)

HL 2 11925 3.39 404 3.09 369

♀ De-Su 666 GP 83 (♂ **Robust**)

gRZG

140
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
132	114	114	121	103	105	116	95
74 %	*63 %*	*76 %*	*66 %*	*53 %*	*64 %*	*62 %*	*72 %*

Proof: vit / 08–2019

Makari PP

Linear Description		88 – 100 – 112 – 124	811597-Makari PP	
Dairy Character (Index)			113	
Body (Index)			92	
Feet and legs (Index)			112	
Udder (Index)			115	
RZE (Index)			114	
Stature	*small*		105	*tall*
Dairy character	*little*		113	*angular*
Body depth	*shallow*		90	*deep*
Strength	*narrow*		89	*wide*
Rump angle	*ascending*		100	*sloped*
Rump width	*narrow*		101	*wide*
Rear leg set side view	*straight*		101	*sickled*
Foot angle	*low angles*		97	*steep angle*
Hocks	*swollen*		114	*clean*
Rear leg set rear view	*toes out*		105	*parallel*
Locomotion	*bad*		109	*good*
Rear udder height	*low*		111	*high*
Suspensory ligament	*weak*		98	*strong*
Teat placement (front)	*wide*		103	*close*
Teat placement (rear)	*wide*		102	*close*
Fore udder attachment	*loose*		114	*tight*
Udder depth	*deep*		113	*shallow*
Teat length	*short*		111	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	111	*56 %*
RZudderfit	110	*60 %*
RZhoof	112	*51 %*
RZrepro	106	*52 %*
RZmetabol	97	*54 %*
RZcalfhealth	112	*51 %*
DDcontrol	114	*50 %*
RZRobot	116	*71 %*

Kappa Casein	BB
Beta Casein	A2/A2

Milk	Fat	Protein
+1739 kg	-0.26 %	-0.11 %
	+40 kg	+47 kg

Reliability	74 %
Daughters	–
Herds	–

- **Milk production**
- **A2/A2**
- **Calf health**

08–2019

polled

Melle PP

PP CDF

797200 Born: 04.01.2018

DEU 000359771134

aAa ------

GENOMIC

Homozygous polled

♂ **Mission P RDC** (♂ *Missouri*)

♀ Georgia GP 82 (♂ **Powerball P**)

1 La 8512 4.64 395 3.49 297

♀ De-Su 3465 (♂ **Balisto**)

♀ De-Su 1774 GP 80 (♂ **Gonzo**)

gRZG

145

69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
141	112	106	123	98	108	125	101
73 %	*63 %*	*76 %*	*66 %*	*53 %*	*64 %*	*62 %*	*73 %*

Proof: vit / 08–2019

Melle PP

Linear Description		88	100	112	124	797200-Melle PP	
Dairy Character (Index)						108	
Body (Index)						95	
Feet and legs (Index)						102	
Udder (Index)						119	
RZE (Index)						112	
Stature	*small*					110	*tall*
Dairy character	*little*					109	*angular*
Body depth	*shallow*					90	*deep*
Strength	*narrow*					93	*wide*
Rump angle	*ascending*					103	*sloped*
Rump width	*narrow*					104	*wide*
Rear leg set side view	*straight*					104	*sickled*
Foot angle	*low angles*					90	*steep angle*
Hocks	*swollen*					108	*clean*
Rear leg set rear view	*toes out*					99	*parallel*
Locomotion	*bad*					102	*good*
Rear udder height	*low*					109	*high*
Suspensory ligament	*weak*					100	*strong*
Teat placement (front)	*wide*					109	*close*
Teat placement (rear)	*wide*					102	*close*
Fore udder attachment	*loose*					117	*tight*
Udder depth	*deep*					117	*shallow*
Teat length	*short*					107	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	105	*56 %*
RZudderfit	105	*61 %*
RZhoof	103	*51 %*
RZrepro	104	*52 %*
RZmetabol	105	*55 %*
RZcalfhealth	113	*51 %*
DDcontrol	101	*51 %*
RZRobot	111	*71 %*

Kappa Casein BB
Beta Casein A2/A2

Milk	Fat	Protein
+1702 kg	-0.06 %	-0.02 %
	+61 kg	+55 kg

Reliability 73 %
Daughters –
Herds –

- **Longevity**
- **Milk production**
- **Calving ease**

08–2019

polled

Mineral PP

PP* CDF OCD Mineral PP

619164 Born: 31.12.2016

DEU 001603800081

aAa 234165

GENOMIC

Homozygous polled

♂ **Milford-P** (♂ *Style P*)

♀ Seagull-Bay Ellen P RDC (♂ **Balisto**)

♀ MS America Ecstacy P RDC GP 80 (♂ **Effect P**)

1/1 La 12676 3.61 457 3.37 427

♀ Seagull-Bay Miss America VG 87 (♂ **Robust**)

gRZG

139

71 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
133	117	108	123	99	115	111	107
75 %	*65 %*	*77 %*	*68 %*	*56 %*	*84 %*	*64 %*	*72 %*

Proof: vit / 08–2019

Mineral PP

Linear Description		88	100	112	124	619164-Mineral PP	
Dairy Character (Index)						122	
Body (Index)						99	
Feet and legs (Index)						105	
Udder (Index)						119	
RZE (Index)						117	
Stature	*small*					123	*tall*
Dairy character	*little*					122	*angular*
Body depth	*shallow*					101	*deep*
Strength	*narrow*					88	*wide*
Rump angle	*ascending*					115	*sloped*
Rump width	*narrow*					112	*wide*
Rear leg set side view	*straight*					106	*sickled*
Foot angle	*low angles*					99	*steep angle*
Hocks	*swollen*					107	*clean*
Rear leg set rear view	*toes out*					100	*parallel*
Locomotion	*bad*					103	*good*
Rear udder height	*low*					122	*high*
Suspensory ligament	*weak*					97	*strong*
Teat placement (front)	*wide*					100	*close*
Teat placement (rear)	*wide*					102	*close*
Fore udder attachment	*loose*					114	*tight*
Udder depth	*deep*					114	*shallow*
Teat length	*short*					101	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	110	*57 %*
RZudderfit	112	*61 %*
RZhoof	103	*52 %*
RZrepro	108	*53 %*
RZmetabol	106	*56 %*
RZcalfhealth	111	*43 %*
DDcontrol	99	*52 %*
RZRobot	113	*72 %*

Kappa Casein BB
Beta Casein A1/A2

Milk	Fat	Protein
+223 kg	+0.64 %	+0.27 %
	+71 kg	+33 kg

Reliability 75 %
Daughters –
Herds –

- **Calving ease**
- **Components**
- **Fits for AMS**

08–2019

polled

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Motto PP

PP* CDF

GENOMIC

Homozygous polled

573003 Born: 11.06.2017

NLD 000685695568

aAa 234165

♂ **Mission P RDC** (♂ *Missouri*)

♀ Midnite 29 (♂ **Powerball P**)

♀ Midnite 13 VG 85 (♂ **Epic**)

HL 2 12644 3.93 497 3.28 415

♀ Midnite 4 VG 87 (♂ **Lawn Boy P**)

gRZG

141
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
141	118	107	107	102	100	112	93
73 %	63 %	76 %	66 %	53 %	64 %	61 %	71 %

Proof: vit / 08–2019

Motto PP

Linear Description		88 – 100 – 112 – 124		
Dairy Character (Index)			123	
Body (Index)			97	
Feet and legs (Index)			104	
Udder (Index)			123	
RZE (Index)			118	
Stature	small		130	tall
Dairy character	little		123	angular
Body depth	shallow		97	deep
Strength	narrow		93	wide
Rump angle	ascending		119	sloped
Rump width	narrow		112	wide
Rear leg set side view	straight		114	sickled
Foot angle	low angles		96	steep angle
Hocks	swollen		109	clean
Rear leg set rear view	toes out		103	parallel
Locomotion	bad		105	good
Rear udder height	low		119	high
Suspensory ligament	weak		108	strong
Teat placement (front)	wide		108	close
Teat placement (rear)	wide		118	close
Fore udder attachment	loose		118	tight
Udder depth	deep		117	shallow
Teat length	short		105	long

573003-Motto PP

Daughters/ Herds Conformation: –/ –

RZhealth	105	57 %
RZudderfit	103	61 %
RZhoof	108	51 %
RZrepro	101	52 %
RZmetabol	100	55 %
RZcalfhealth	113	51 %
DDcontrol	107	51 %
RZRobot	---	-- %

Kappa Casein BB
Beta Casein A2/A2

Milk	Fat	Protein
+1560 kg	-0.03 %	+0.04 %
	+59 kg	+57 kg

Reliability 73 %
Daughters –
Herds –

- **A2/A2**
- **Calf health**
- **Milk production**

08–2019

polled

Shore PP RDC

PP* CDF
Duindam RUW Shore PP RDC

GENOMIC

Homozygous polled

686110 Born: 07.04.2018

DEU 000540415141

aAa 423561

♂ **Shot P RDC** (♂ *Supershot*)

♀ DG DH Precious P VG 87 (♂ **Rubicon**)

1/1 La 8325 4.29 357 3.44 286

♀ Pretoria P VG 86 (♂ **Shotglass**)

1/1 La 11337 3.61 409 3.18 360

♀ Butlerview Colt Pixie P RDC EX 91 (♂ **Colt-P**)

gRZG

140
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
135	115	107	116	102	108	113	95
73 %	62 %	75 %	66 %	53 %	62 %	61 %	70 %

Proof: vit / 08–2019

Shore PP

Linear Description		88 – 100 – 112 – 124		
Dairy Character (Index)			103	
Body (Index)			102	
Feet and legs (Index)			116	
Udder (Index)			111	
RZE (Index)			115	
Stature	small		116	tall
Dairy character	little		103	angular
Body depth	shallow		99	deep
Strength	narrow		99	wide
Rump angle	ascending		102	sloped
Rump width	narrow		100	wide
Rear leg set side view	straight		99	sickled
Foot angle	low angles		109	steep angle
Hocks	swollen		106	clean
Rear leg set rear view	toes out		111	parallel
Locomotion	bad		111	good
Rear udder height	low		113	high
Suspensory ligament	weak		103	strong
Teat placement (front)	wide		86	close
Teat placement (rear)	wide		97	close
Fore udder attachment	loose		109	tight
Udder depth	deep		110	shallow
Teat length	short		113	long

686110-Shore PP RDC

Daughters/ Herds Conformation: –/ –

RZhealth	105	55 %
RZudderfit	103	60 %
RZhoof	101	50 %
RZrepro	106	51 %
RZmetabol	111	54 %
RZcalfhealth	103	46 %
DDcontrol	97	50 %
RZRobot	118	70 %

Kappa Casein AB
Beta Casein A1/A2

Milk	Fat	Protein
+1707 kg	-0.14 %	-0.10 %
	+52 kg	+47 kg

Reliability 73 %
Daughters –
Herds –

- **Milk production**
- **Calving ease**
- **Fits for AMS**

08–2019

polled

Already

pp CDF COL Already

GENOMIC

685578 Born: 12.12.2017

DEU 000540116273

aAa 243165

♂ **All-Star** (♂ *Penley*)

♀ COL Candycrush GP 84 (♂ **Battlecry**)

1/1 La 8031 4.01 322 3.77 303

♀ COL 1355 GP 83 (♂ **Police**)

1/1 La 9272 3.92 363 3.68 341

♀ Norgard Bookem Camil VG 86 (♂ **Bookem**)

gRZG

153

69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
134	126	124	133	119	100	111	104
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*63 %*	*61 %*	*71 %*

Proof: vit / 08–2019

Already

RZhealth	119	*56 %*
RZudderfit	118	*60 %*
RZhoof	108	*50 %*
RZrepro	120	*51 %*
RZmetabol	114	*54 %*
RZcalfhealth	100	*46 %*
DDcontrol	105	*50 %*
RZRobot	129	*70 %*

Kappa Casein AB
Beta Casein A2/A2

Milk	Fat	Protein
+1368 kg	-0.06 %	+0.01 %
	+47 kg	+47 kg

Reliability 73 %
Daughters –
Herds –

- **Functionality**
- **Udder**
- **Improves health**

Linear Description		88	100	112	124	685578-Already	
Dairy Character (Index)						104	
Body (Index)						102	
Feet and legs (Index)						112	
Udder (Index)						133	
RZE (Index)						126	
Stature	*small*					107	*tall*
Dairy character	*little*					103	*angular*
Body depth	*shallow*					106	*deep*
Strength	*narrow*					107	*wide*
Rump angle	*ascending*					95	*sloped*
Rump width	*narrow*					90	*wide*
Rear leg set side view	*straight*					83	*sickled*
Foot angle	*low angles*					108	*steep angle*
Hocks	*swollen*					101	*clean*
Rear leg set rear view	*toes out*					108	*parallel*
Locomotion	*bad*					112	*good*
Rear udder height	*low*					125	*high*
Suspensory ligament	*weak*					104	*strong*
Teat placement (front)	*wide*					108	*close*
Teat placement (rear)	*wide*					92	*close*
Fore udder attachment	*loose*					127	*tight*
Udder depth	*deep*					125	*shallow*
Teat length	*short*					101	*long*

Daughters/ Herds Conformation: –/ –

08–2019

genomic

Apply

pp CDF

GENOMIC

685586 Born: 22.01.2018

FRA 006868660970

aAa 342156

♂ **Applicable** (♂ *Silver*)

♀ 851 (♂ **Mercure**)

♀ 555 (♂ **Gillespy**)

♀ 69 (♂ **Allen**)

gRZG

141

69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
120	140	122	123	119	97	112	94
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*63 %*	*62 %*	*71 %*

Proof: vit / 08–2019

Apply

RZhealth	118	*56 %*
RZudderfit	117	*60 %*
RZhoof	108	*51 %*
RZrepro	114	*52 %*
RZmetabol	115	*54 %*
RZcalfhealth	107	*46 %*
DDcontrol	110	*50 %*
RZRobot	---	*-- %*

Kappa Casein AB
Beta Casein A1/A1

Milk	Fat	Protein
+777 kg	+0.10 %	-0.06 %
	+41 kg	+20 kg

Reliability 73 %
Daughters –
Herds –

- **Udder**
- **Functionality**
- **Conformation**

Linear Description		88	100	112	124	685586-Apply	
Dairy Character (Index)						113	
Body (Index)						104	
Feet and legs (Index)						116	
Udder (Index)						150	
RZE (Index)						140	
Stature	*small*					115	*tall*
Dairy character	*little*					111	*angular*
Body depth	*shallow*					90	*deep*
Strength	*narrow*					93	*wide*
Rump angle	*ascending*					97	*sloped*
Rump width	*narrow*					116	*wide*
Rear leg set side view	*straight*					91	*sickled*
Foot angle	*low angles*					108	*steep angle*
Hocks	*swollen*					106	*clean*
Rear leg set rear view	*toes out*					110	*parallel*
Locomotion	*bad*					112	*good*
Rear udder height	*low*					142	*high*
Suspensory ligament	*weak*					113	*strong*
Teat placement (front)	*wide*					118	*close*
Teat placement (rear)	*wide*					110	*close*
Fore udder attachment	*loose*					138	*tight*
Udder depth	*deep*					144	*shallow*
Teat length	*short*					89	*long*

Daughters/ Herds Conformation: –/ –

08–2019

genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Bachelor P

Pp* CDF KNS Bachelor P

GENOMIC

686118 Born: 16.06.2018

DEU 000540493721

aAa 234156

♂ **Batch P** (♂ *Battlecry*)

♀ KNS Missboard P (♂ **Board**)

♀ KNS Miss Balista P RDC GP 84 (♂ **Balisto**)

1 La 7132 4.44 317 3.39 242

♀ Miss Epic GP 82 (♂ **Epic**)

gRZG

161
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
149	120	121	130	107	106	117	91
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*62 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Baachelor P

Linear Description		88 – 100 – 112 – 124		
Dairy Character (Index)			99	
Body (Index)			93	
Feet and legs (Index)			123	
Udder (Index)			120	
RZE (Index)			120	
Stature	*small*		99	*tall*
Dairy character	*little*		99	*angular*
Body depth	*shallow*		94	*deep*
Strength	*narrow*		98	*wide*
Rump angle	*ascending*		90	*sloped*
Rump width	*narrow*		92	*wide*
Rear leg set side view	*straight*		95	*sickled*
Foot angle	*low angles*		110	*steep angle*
Hocks	*swollen*		114	*clean*
Rear leg set rear view	*toes out*		111	*parallel*
Locomotion	*bad*		115	*good*
Rear udder height	*low*		112	*high*
Suspensory ligament	*weak*		106	*strong*
Teat placement (front)	*wide*		117	*close*
Teat placement (rear)	*wide*		95	*close*
Fore udder attachment	*loose*		120	*tight*
Udder depth	*deep*		118	*shallow*
Teat length	*short*		81	*long*

686118-Bachelor P

Daughters/ Herds Conformation: –/ –

RZhealth	120	*55 %*
RZudderfit	120	*60 %*
RZhoof	113	*50 %*
RZrepro	111	*51 %*
RZmetabol	114	*54 %*
RZcalfhealth	100	*45 %*
DDcontrol	102	*49 %*
RZRobot	---	-- %

Kappa Casein AA
Beta Casein A2/A2

Milk	Fat	Protein
+1634 kg	+0.06 %	+0.10 %
	+71 kg	+66 kg

Reliability 73 %
Daughters –
Herds –

- **Longevity**
- **Improves health**
- **Milk production**

08–2019 genomic

Best Time

pp CDF

GENOMIC

686121 Born: 23.08.2018

USA 003133032627

aAa ------

♂ **Benz** (♂ *Franchise*)

♀ Alltime 69 (♂ **Alltime**)

♀ Montros 62 VG 86 (♂ **Montross**)

1 La 12832 3.40 436 3.20 411

♀ Candy EX 90 (♂ **Dean**)

gRZG

159
68 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
145	123	115	127	122	111	134	99
72 %	*61 %*	*75 %*	*65 %*	*52 %*	*62 %*	*60 %*	*69 %*

Proof: vit / 08–2019

Candy

Linear Description		88 – 100 – 112 – 124		
Dairy Character (Index)			98	
Body (Index)			104	
Feet and legs (Index)			118	
Udder (Index)			124	
RZE (Index)			123	
Stature	*small*		112	*tall*
Dairy character	*little*		98	*angular*
Body depth	*shallow*		104	*deep*
Strength	*narrow*		110	*wide*
Rump angle	*ascending*		95	*sloped*
Rump width	*narrow*		92	*wide*
Rear leg set side view	*straight*		76	*sickled*
Foot angle	*low angles*		116	*steep angle*
Hocks	*swollen*		102	*clean*
Rear leg set rear view	*toes out*		115	*parallel*
Locomotion	*bad*		116	*good*
Rear udder height	*low*		120	*high*
Suspensory ligament	*weak*		109	*strong*
Teat placement (front)	*wide*		113	*close*
Teat placement (rear)	*wide*		104	*close*
Fore udder attachment	*loose*		120	*tight*
Udder depth	*deep*		113	*shallow*
Teat length	*short*		100	*long*

686121-Best Time

Daughters/ Herds Conformation: –/ –

RZhealth	119	*54 %*
RZudderfit	116	*58 %*
RZhoof	112	*48 %*
RZrepro	118	*50 %*
RZmetabol	113	*52 %*
RZcalfhealth	99	*43 %*
DDcontrol	125	*48 %*
RZRobot	116	*70 %*

Kappa Casein AB
Beta Casein A1/A2

Milk	Fat	Protein
+1447 kg	+0.15 %	+0.09 %
	+73 kg	+58 kg

Reliability 72 %
Daughters –
Herds –

- **Functionality**
- **Improves health**
- **Calving ease**

08–2019 genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Bonham

pp CDF TD Bonham

GENOMIC

823225 Born: 03.07.2018

DEU 001305720772

aAa 234165

♂ **Benz** (♂ *Franchise*)

♀ TD Belalomba (♂ **Lombardi**)

200T 7732 3.98 308 3.47 268

♀ TD Bellissima GP 84 (♂ **Chevrolet**)

HL 2 11580 4.73 548 3.55 411

♀ Babs VG 86 (♂ **Sudan**)

gRZG

155
68 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
147	129	98	122	109	104	114	104
73 %	*61 %*	*75 %*	*65 %*	*52 %*	*63 %*	*60 %*	*69 %*

Proof: vit / 08–2019

Bonham

RZhealth	115	*54 %*
RZudderfit	104	*59 %*
RZhoof	119	*49 %*
RZrepro	113	*50 %*
RZmetabol	112	*52 %*
RZcalfhealth	96	*44 %*
DDcontrol	115	*48 %*

RZRobot	---	-- %

Kappa Casein	AA
Beta Casein	A2/A2

Milk	Fat	Protein
+1390 kg	+0.14 %	+0.16 %
	+70 kg	+64 kg

Reliability	73 %
Daughters	–
Herds	–

- **Milk & components**
- **Udder**
- **Feet & legs**

Linear Description		88 – 100 – 112 – 124	823225-Bonham	
Dairy Character (Index)			109	
Body (Index)			102	
Feet and legs (Index)			124	
Udder (Index)			127	
RZE (Index)			129	
Stature	*small*		116	*tall*
Dairy character	*little*		107	*angular*
Body depth	*shallow*		98	*deep*
Strength	*narrow*		101	*wide*
Rump angle	*ascending*		96	*sloped*
Rump width	*narrow*		100	*wide*
Rear leg set side view	*straight*		86	*sickled*
Foot angle	*low angles*		116	*steep angle*
Hocks	*swollen*		107	*clean*
Rear leg set rear view	*toes out*		118	*parallel*
Locomotion	*bad*		119	*good*
Rear udder height	*low*		132	*high*
Suspensory ligament	*weak*		117	*strong*
Teat placement (front)	*wide*		122	*close*
Teat placement (rear)	*wide*		124	*close*
Fore udder attachment	*loose*		118	*tight*
Udder depth	*deep*		115	*shallow*
Teat length	*short*		96	*long*

Daughters/ Herds Conformation: –/ –

08–2019 genomic

Boudy

pp CDF K&L GN Boudy

GENOMIC

156599 Born: 19.12.2017

NLD 000597646670

aAa 423651

♂ **Gymnast** (♂ *Doorsopen*)

♀ Cinderella VG 85 (♂ **Rubicon**)

1/1 La 10422 4.19 437 3.68 384

♀ JHS Cinderella 24 VG 87 (♂ **Supersire**)

HL 3 12766 3.37 430 3.44 439

♀ JK Eder DG Chipmunk VG 86 (♂ **Bookem**)

gRZG

154
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
137	132	125	129	114	100	135	92
73 %	*61 %*	*75 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Boudy

RZhealth	115	*55 %*
RZudderfit	113	*59 %*
RZhoof	110	*50 %*
RZrepro	112	*51 %*
RZmetabol	114	*53 %*
RZcalfhealth	98	*48 %*
DDcontrol	104	*49 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A2/A2

Milk	Fat	Protein
+1120 kg	+0.10 %	+0.12 %
	+54 kg	+51 kg

Reliability	73 %
Daughters	–
Herds	–

- **Functionality**
- **Udder**
- **Milk & components**

Linear Description		88 – 100 – 112 – 124	156599-Boudy	
Dairy Character (Index)			111	
Body (Index)			111	
Feet and legs (Index)			117	
Udder (Index)			132	
RZE (Index)			132	
Stature	*small*		121	*tall*
Dairy character	*little*		111	*angular*
Body depth	*shallow*		103	*deep*
Strength	*narrow*		101	*wide*
Rump angle	*ascending*		97	*sloped*
Rump width	*narrow*		115	*wide*
Rear leg set side view	*straight*		99	*sickled*
Foot angle	*low angles*		102	*steep angle*
Hocks	*swollen*		104	*clean*
Rear leg set rear view	*toes out*		115	*parallel*
Locomotion	*bad*		113	*good*
Rear udder height	*low*		125	*high*
Suspensory ligament	*weak*		116	*strong*
Teat placement (front)	*wide*		105	*close*
Teat placement (rear)	*wide*		109	*close*
Fore udder attachment	*loose*		121	*tight*
Udder depth	*deep*		127	*shallow*
Teat length	*short*		103	*long*

Daughters/ Herds Conformation: –/ –

08–2019 genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Brebel

pp CDF

768899 Born: 15.08.2018

DEU 000361214652

aAa ------

♂ **Benz** (♂ *Franchise*)

♀ Beatrice VG 85 (♂ **Battlecry**)

♀ Bianca (♂ **Smurf**)

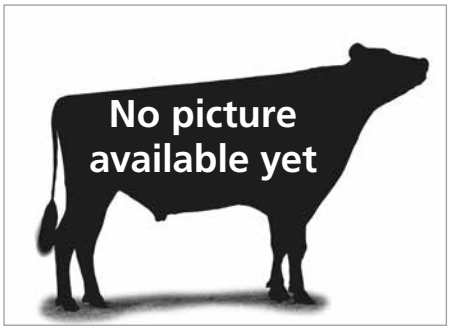
1 La 9965 4.53 451 3.52 351

♀ Bayla VG 86 (♂ **Garrett**)

gRZG

154

69 %



gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
145	120	108	122	110	115	118	94
73 %	*61 %*	*75 %*	*66 %*	*53 %*	*63 %*	*60 %*	*70 %*

Proof: vit / 08–2019

Linear Description	88 – 100 – 112 – 124	768899-Brebel
Dairy Character (Index)		111
Body (Index)		95
Feet and legs (Index)		121
Udder (Index)		118
RZE (Index)		120

Stature	*small*	109	*tall*
Dairy character	*little*	112	*angular*
Body depth	*shallow*	94	*deep*
Strength	*narrow*	93	*wide*
Rump angle	*ascending*	112	*sloped*
Rump width	*narrow*	100	*wide*
Rear leg set side view	*straight*	96	*sickled*
Foot angle	*low angles*	98	*steep angle*
Hocks	*swollen*	122	*clean*
Rear leg set rear view	*toes out*	109	*parallel*
Locomotion	*bad*	113	*good*
Rear udder height	*low*	117	*high*
Suspensory ligament	*weak*	121	*strong*
Teat placement (front)	*wide*	97	*close*
Teat placement (rear)	*wide*	106	*close*
Fore udder attachment	*loose*	109	*tight*
Udder depth	*deep*	109	*shallow*
Teat length	*short*	110	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	113	*55 %*
RZudderfit	107	*59 %*
RZhoof	111	*49 %*
RZrepro	112	*51 %*
RZmetabol	113	*53 %*
RZcalfhealth	113	*45 %*
DDcontrol	115	*49 %*

RZRobot 115 *70 %*

Kappa Casein AA
Beta Casein A2/A2

Milk	Fat	Protein
+1112 kg	+0.34 %	+0.17 %
	+80 kg	+55 kg

Reliability 73 %
Daughters –
Herds –

- **Fits for AMS**
- **Calving ease**
- **Milk & components**

Brightside

pp CDF

573675 Born: 28.06.2018

DEU 000770655539

aAa 243165

♂ **Battleship** (♂ *Battlecry*)

♀ Burning Star (♂ **Afterburner**)

♀ Jazzs VG 85 (♂ **Chevrolet**)

HL 2 14032 3.45 484 3.44 483

♀ Jazz GP 84 (♂ **Supersonic**)

gRZG

157

68 %

Brightside

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
150	127	113	125	101	95	115	97
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*63 %*	*60 %*	*70 %*

Proof: vit / 08–2019

Linear Description	88 – 100 – 112 – 124	573675-Brightside
Dairy Character (Index)		114
Body (Index)		117
Feet and legs (Index)		117
Udder (Index)		120
RZE (Index)		127

Stature	*small*	118	*tall*
Dairy character	*little*	113	*angular*
Body depth	*shallow*	118	*deep*
Strength	*narrow*	105	*wide*
Rump angle	*ascending*	90	*sloped*
Rump width	*narrow*	121	*wide*
Rear leg set side view	*straight*	95	*sickled*
Foot angle	*low angles*	105	*steep angle*
Hocks	*swollen*	109	*clean*
Rear leg set rear view	*toes out*	108	*parallel*
Locomotion	*bad*	114	*good*
Rear udder height	*low*	130	*high*
Suspensory ligament	*weak*	102	*strong*
Teat placement (front)	*wide*	88	*close*
Teat placement (rear)	*wide*	91	*close*
Fore udder attachment	*loose*	114	*tight*
Udder depth	*deep*	110	*shallow*
Teat length	*short*	111	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	116	*55 %*
RZudderfit	115	*59 %*
RZhoof	112	*50 %*
RZrepro	109	*51 %*
RZmetabol	111	*53 %*
RZcalfhealth	112	*47 %*
DDcontrol	113	*49 %*

RZRobot 126 *70 %*

Kappa Casein AA
Beta Casein A1/A2

Milk	Fat	Protein
+2086 kg	-0.11 %	-0.01 %
	+69 kg	+68 kg

Reliability 73 %
Daughters –
Herds –

- **Milk production**
- **Fits for AMS**
- **Calf health**

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Casino

pp CDF Veelhorst DG Madrid

GENOMIC

156583 Born: 11.02.2017

NLD 000865720444

aAa 351426

♂ **DG Charley** (♂ *Supershot*)

♀ Broeks Madibet (♂ **Mardi Gras**)

♀ Broeks Plabet VG 88 (♂ **Planet**)

HL 2 12535 4.09 513 3.44 431

♀ Broeks Betty VG 88 (♂ **Snowman**)

gRZG

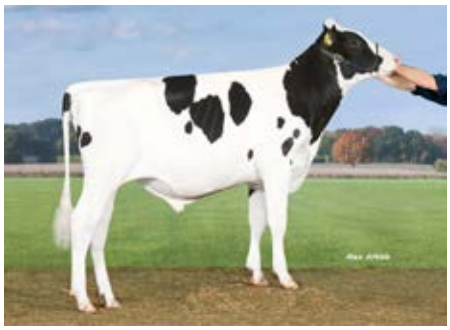
161
70 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
150	125	118	127	113	104	123	108
74 %	63 %	76 %	67 %	54 %	78 %	62 %	70 %

Proof: vit / 08–2019

Linear Description		88 – 100 – 112 – 124	156583-Casino	
Dairy Character (Index)			112	
Body (Index)			104	
Feet and legs (Index)			116	
Udder (Index)			124	
RZE (Index)			125	
Stature	small		120	tall
Dairy character	little		113	angular
Body depth	shallow		105	deep
Strength	narrow		98	wide
Rump angle	ascending		110	sloped
Rump width	narrow		104	wide
Rear leg set side view	straight		95	sickled
Foot angle	low angles		108	steep angle
Hocks	swollen		101	clean
Rear leg set rear view	toes out		112	parallel
Locomotion	bad		113	good
Rear udder height	low		122	high
Suspensory ligament	weak		102	strong
Teat placement (front)	wide		113	close
Teat placement (rear)	wide		107	close
Fore udder attachment	loose		119	tight
Udder depth	deep		116	shallow
Teat length	short		92	long

Daughters/ Herds Conformation: –/ –



Casino

RZhealth	113	56 %
RZudderfit	107	60 %
RZhoof	116	51 %
RZrepro	109	52 %
RZmetabol	106	55 %
RZcalfhealth	103	46 %
DDcontrol	111	51 %
RZRobot	---	-- %

Kappa Casein --
Beta Casein A2/A2

Milk	Fat	Protein
+1961 kg	+0.07 %	-0.03 %
	+85 kg	+62 kg

Reliability 74 %
Daughters –
Herds –

- **Milk production**
- **Functionality**
- **A2/A2**

Chance

pp CDF Ar-Joy Chance

GENOMIC

684690 Born: 01.09.2017

USA 003143553043

aAa 243

♂ **DG Charley** (♂ *Supershot*)

♀ AR-Joy CU Damaris Alicia-ET VG 86 (♂ **Damaris**)

1 La 11405 4.03 460 3.44 392

♀ Seagull-Bay Alexa One-ET EX 90 (♂ **Numero Uno**)

HL 2 14982 3.92 588 3.34 500

♀ Alexa II VG 88 (♂ **Dorcy**)

gRZG

152
70 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
137	117	128	131	112	103	121	103
74 %	62 %	76 %	67 %	54 %	62 %	62 %	70 %

Proof: vit / 08–2019

Linear Description		88 – 100 – 112 – 124	684690-Chance	
Dairy Character (Index)			106	
Body (Index)			107	
Feet and legs (Index)			120	
Udder (Index)			108	
RZE (Index)			117	
Stature	small		110	tall
Dairy character	little		107	angular
Body depth	shallow		107	deep
Strength	narrow		101	wide
Rump angle	ascending		96	sloped
Rump width	narrow		103	wide
Rear leg set side view	straight		90	sickled
Foot angle	low angles		115	steep angle
Hocks	swollen		106	clean
Rear leg set rear view	toes out		111	parallel
Locomotion	bad		115	good
Rear udder height	low		102	high
Suspensory ligament	weak		105	strong
Teat placement (front)	wide		100	close
Teat placement (rear)	wide		104	close
Fore udder attachment	loose		110	tight
Udder depth	deep		102	shallow
Teat length	short		102	long

Daughters/ Herds Conformation: –/ –

Chance

RZhealth	122	55 %
RZudderfit	121	60 %
RZhoof	115	50 %
RZrepro	115	51 %
RZmetabol	114	54 %
RZcalfhealth	115	43 %
DDcontrol	102	50 %
RZRobot	121	71 %

Kappa Casein --
Beta Casein --/--

Milk	Fat	Protein
+1174 kg	+0.19 %	+0.05 %
	+66 kg	+45 kg

Reliability 74 %
Daughters –
Herds –

- **Functionality**
- **Improves health**
- **Calf health**

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Charlston

pp CDF Koepon Charlston

GENOMIC

684970 Born: 15.06.2017

NLD 000685695537

aAa 234156

♂ **DG Charley** (♂ *Supershot*)

♀ Koepon Ruby-Ann (♂ **Rubicon**)

♀ Koepon JBR Regenia 150 VG 86 (♂ **Jabir**)

HL 2 12961 3.93 509 2.68 347

♀ Koepon Bookem Regenia 104 VG 86 (♂ **Bookem**)

gRZG

148

70 %

Charlston

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
124	125	130	136	121	115	126	106
74 %	*62 %*	*76 %*	*67 %*	*54 %*	*62 %*	*62 %*	*70 %*

Proof: vit / 08–2019

Linear Description		88 – 100 – 112 – 124		
Dairy Character (Index)			107	
Body (Index)			97	
Feet and legs (Index)			122	
Udder (Index)			125	
RZE (Index)			125	
Stature	*small*		118	*tall*
Dairy character	*little*		107	*angular*
Body depth	*shallow*		93	*deep*
Strength	*narrow*		92	*wide*
Rump angle	*ascending*		103	*sloped*
Rump width	*narrow*		101	*wide*
Rear leg set side view	*straight*		90	*sickled*
Foot angle	*low angles*		105	*steep angle*
Hocks	*swollen*		107	*clean*
Rear leg set rear view	*toes out*		114	*parallel*
Locomotion	*bad*		119	*good*
Rear udder height	*low*		115	*high*
Suspensory ligament	*weak*		103	*strong*
Teat placement (front)	*wide*		109	*close*
Teat placement (rear)	*wide*		97	*close*
Fore udder attachment	*loose*		119	*tight*
Udder depth	*deep*		125	*shallow*
Teat length	*short*		92	*long*

684970-Charlston

Daughters/ Herds Conformation: –/ –

RZhealth	130	*55 %*
RZudderfit	127	*59 %*
RZhoof	123	*50 %*
RZrepro	118	*51 %*
RZmetabol	114	*53 %*
RZcalfhealth	112	*43 %*
DDcontrol	120	*49 %*
RZRobot	---	-- %

Kappa Casein AB
Beta Casein A2/A2

Milk	Fat	Protein
+523 kg	+0.29 %	+0.08 %
	+50 kg	+26 kg

Reliability 74 %
Daughters –
Herds –

- **No. 1 in health improvement**
- **Functionality**
- **Calving ease**

08–2019

genomic

Colani

pp CDF

GENOMIC

157717 Born: 03.09.2018

DEU 000360424684

aAa 153246

♂ **Cidre** (♂ *Cinema*)

♀ Veenhuizer K&L Nelize 7 (♂ **Board**)

1/1 La 9727 4.53 441 3.83 373

♀ Veenhuizer K&L Nelize (♂ **Balisto**)

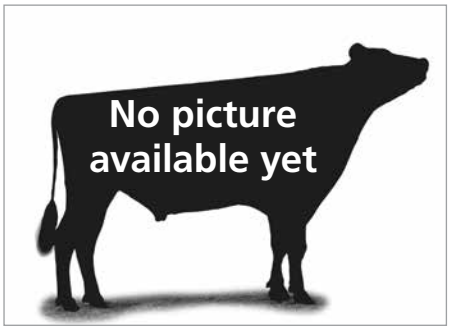
1/1 La 9155 4.69 429 3.79 347

♀ Veenhuizer Nelleke VG 87 (♂ **Man-O-Man**)

gRZG

160

69 %



gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
151	125	122	126	105	102	116	101
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*60 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Linear Description		88 – 100 – 112 – 124		
Dairy Character (Index)			117	
Body (Index)			102	
Feet and legs (Index)			113	
Udder (Index)			126	
RZE (Index)			125	
Stature	*small*		119	*tall*
Dairy character	*little*		114	*angular*
Body depth	*shallow*		99	*deep*
Strength	*narrow*		96	*wide*
Rump angle	*ascending*		78	*sloped*
Rump width	*narrow*		111	*wide*
Rear leg set side view	*straight*		101	*sickled*
Foot angle	*low angles*		103	*steep angle*
Hocks	*swollen*		112	*clean*
Rear leg set rear view	*toes out*		106	*parallel*
Locomotion	*bad*		107	*good*
Rear udder height	*low*		119	*high*
Suspensory ligament	*weak*		103	*strong*
Teat placement (front)	*wide*		117	*close*
Teat placement (rear)	*wide*		109	*close*
Fore udder attachment	*loose*		122	*tight*
Udder depth	*deep*		120	*shallow*
Teat length	*short*		103	*long*

157717-Colani

Daughters/ Herds Conformation: –/ –

RZhealth	112	*56 %*
RZudderfit	114	*60 %*
RZhoof	105	*50 %*
RZrepro	109	*52 %*
RZmetabol	102	*54 %*
RZcalfhealth	95	*44 %*
DDcontrol	99	*50 %*
RZRobot	---	-- %

Kappa Casein AB
Beta Casein A2/A2

Milk	Fat	Protein
+1472 kg	+0.31 %	+0.10 %
	+92 kg	+60 kg

Reliability 73 %
Daughters –
Herds –

- **Milk & components**
- **Longevity**
- **A2/A2**

08–2019

genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Esquire

pp CDF Midwolder Esquire

GENOMIC

619192 Born: 23.04.2018

NLD 000938911553

aAa 321456

♂ **Esperanto** (♂ *Final*)

♀ Midwolder Marjon 136 VG 85 (♂ **Battlecry**)

1/1 La 10714 3.54 379 3.15 337

♀ Midwolder Marjon 85 VG 85 (♂ **Rocky**)

2/1 La 7935 4.57 363 3.77 299

♀ Midwolder Marjon 53 VG 85 (♂ **Trigger**)

gRZG

151
68 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
136	121	124	133	107	112	116	99
73 %	*61 %*	*75 %*	*66 %*	*53 %*	*62 %*	*60 %*	*70 %*

Proof: vit / 08–2019

Esquire

RZhealth	127	*55 %*
RZudderfit	129	*59 %*
RZhoof	118	*50 %*
RZrepro	114	*51 %*
RZmetabol	111	*53 %*
RZcalfhealth	116	*44 %*
DDcontrol	127	*49 %*
RZRobot	136	*70 %*

Kappa Casein BB
Beta Casein A2/A2

Milk	Fat	Protein
+1088 kg	+0.20 %	+0.06 %
	+64 kg	+43 kg

Reliability 73 %
Daughters –
Herds –

- **Improves health**
- **DDcontrol**
- **Udder fitness**

Linear Description		88	100	112	124	619192-Esquire	
Dairy Character (Index)						104	
Body (Index)						104	
Feet and legs (Index)						125	
Udder (Index)						113	
RZE (Index)						121	
Stature	*small*					104	*tall*
Dairy character	*little*					104	*angular*
Body depth	*shallow*					104	*deep*
Strength	*narrow*					103	*wide*
Rump angle	*ascending*					97	*sloped*
Rump width	*narrow*					101	*wide*
Rear leg set side view	*straight*					102	*sickled*
Foot angle	*low angles*					107	*steep angle*
Hocks	*swollen*					118	*clean*
Rear leg set rear view	*toes out*					111	*parallel*
Locomotion	*bad*					116	*good*
Rear udder height	*low*					108	*high*
Suspensory ligament	*weak*					107	*strong*
Teat placement (front)	*wide*					92	*close*
Teat placement (rear)	*wide*					87	*close*
Fore udder attachment	*loose*					111	*tight*
Udder depth	*deep*					109	*shallow*
Teat length	*short*					116	*long*

Daughters/ Herds Conformation: –/ –

08–2019

genomic

Freemax

pp CDF

GENOMIC

811622 Born: 27.06.2018

NLD 000659209256

aAa 234165

♂ **Imax** (♂ *AltaSpring*)

♀ Freespirit VG 85 (♂ **Modesty**)

♀ Princess GP 81 (♂ **Kingboy**)

1 La 9891 3.73 369 3.24 320

♀ Makea VG 86 (♂ **Supersire**)

gRZG

164
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
153	130	110	129	110	111	124	109
73 %	*61 %*	*75 %*	*66 %*	*53 %*	*62 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Freemax

RZhealth	114	*55 %*
RZudderfit	109	*59 %*
RZhoof	111	*50 %*
RZrepro	114	*51 %*
RZmetabol	113	*53 %*
RZcalfhealth	111	*43 %*
DDcontrol	114	*49 %*
RZRobot	119	*70 %*

Kappa Casein --
Beta Casein --/--

Milk	Fat	Protein
+1723 kg	+0.22 %	+0.05 %
	+92 kg	+64 kg

Reliability 73 %
Daughters –
Herds –

- **Udder**
- **Calving ease**
- **Fits for AMS**

Linear Description		88	100	112	124	811622-Freemax	
Dairy Character (Index)						108	
Body (Index)						106	
Feet and legs (Index)						118	
Udder (Index)						131	
RZE (Index)						130	
Stature	*small*					109	*tall*
Dairy character	*little*					106	*angular*
Body depth	*shallow*					98	*deep*
Strength	*narrow*					100	*wide*
Rump angle	*ascending*					90	*sloped*
Rump width	*narrow*					110	*wide*
Rear leg set side view	*straight*					93	*sickled*
Foot angle	*low angles*					112	*steep angle*
Hocks	*swollen*					106	*clean*
Rear leg set rear view	*toes out*					113	*parallel*
Locomotion	*bad*					113	*good*
Rear udder height	*low*					126	*high*
Suspensory ligament	*weak*					100	*strong*
Teat placement (front)	*wide*					112	*close*
Teat placement (rear)	*wide*					101	*close*
Fore udder attachment	*loose*					123	*tight*
Udder depth	*deep*					127	*shallow*
Teat length	*short*					94	*long*

Daughters/ Herds Conformation: –/ –

08–2019

genomic

GGI-SPERMEX GmbH Genetics made in Germany

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Galen

pp CDF

811618 Born: 21.04.2018

DEU 000361229482

aAa 345216

♂ **Gordon** (♂ *Battlecry*)

♀ Charlize GP 84 (♂ **Silver**)

1 La 9104 4.66 424 3.70 337

♀ Pred GP 84 (♂ **Predestine**)

1 La 9946 4.12 410 3.41 339

♀ Clairen VG 85 (♂ **Altalota**)

gRZG

157

69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
139	118	123	134	123	102	117	90
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Galen

Linear Description		88	100	112	124	811618-Galen	
Dairy Character (Index)						103	
Body (Index)						105	
Feet and legs (Index)						117	
Udder (Index)						115	
RZE (Index)						118	
Stature	*small*					108	*tall*
Dairy character	*little*					101	*angular*
Body depth	*shallow*					103	*deep*
Strength	*narrow*					108	*wide*
Rump angle	*ascending*					94	*sloped*
Rump width	*narrow*					99	*wide*
Rear leg set side view	*straight*					95	*sickled*
Foot angle	*low angles*					111	*steep angle*
Hocks	*swollen*					100	*clean*
Rear leg set rear view	*toes out*					113	*parallel*
Locomotion	*bad*					113	*good*
Rear udder height	*low*					99	*high*
Suspensory ligament	*weak*					106	*strong*
Teat placement (front)	*wide*					108	*close*
Teat placement (rear)	*wide*					105	*close*
Fore udder attachment	*loose*					116	*tight*
Udder depth	*deep*					112	*shallow*
Teat length	*short*					111	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	123	*56 %*
RZudderfit	117	*60 %*
RZhoof	116	*50 %*
RZrepro	121	*52 %*
RZmetabol	123	*54 %*
RZcalfhealth	97	*47 %*
DDcontrol	105	*50 %*

RZRobot --- -- %

Kappa Casein AB
Beta Casein A1/A2

Milk	Fat	Protein
+690 kg	+0.42 %	+0.24 %
	+70 kg	+47 kg

Reliability 73 %
Daughters –
Herds –

- **Improves health**
- **Components**
- **Functionality**

08–2019

genomic

Garett

pp CDF

823221 Born: 02.04.2018

DEU 001504336100

aAa 342516

♂ **Garick** (♂ *Madron*)

♀ Aria 3826 VG 86 (♂ **AltaSpring**)

134T 6327 3.98 252 3.29 208

♀ Aria 2815 VG 88 (♂ **MVP**)

1 La 10581 4.39 464 3.56 377

♀ Adore 2500 GP 83 (♂ **Epic**)

gRZG

156

69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
142	122	119	126	124	103	111	102
73 %	*61 %*	*75 %*	*66 %*	*53 %*	*60 %*	*61 %*	*69 %*

Proof: vit / 08–2019

Garett

Linear Description		88	100	112	124	823221-Garett	
Dairy Character (Index)						100	
Body (Index)						107	
Feet and legs (Index)						115	
Udder (Index)						121	
RZE (Index)						122	
Stature	*small*					102	*tall*
Dairy character	*little*					101	*angular*
Body depth	*shallow*					102	*deep*
Strength	*narrow*					108	*wide*
Rump angle	*ascending*					106	*sloped*
Rump width	*narrow*					107	*wide*
Rear leg set side view	*straight*					86	*sickled*
Foot angle	*low angles*					112	*steep angle*
Hocks	*swollen*					98	*clean*
Rear leg set rear view	*toes out*					116	*parallel*
Locomotion	*bad*					113	*good*
Rear udder height	*low*					131	*high*
Suspensory ligament	*weak*					110	*strong*
Teat placement (front)	*wide*					118	*close*
Teat placement (rear)	*wide*					125	*close*
Fore udder attachment	*loose*					114	*tight*
Udder depth	*deep*					112	*shallow*
Teat length	*short*					89	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	120	*55 %*
RZudderfit	116	*59 %*
RZhoof	117	*50 %*
RZrepro	114	*51 %*
RZmetabol	112	*53 %*
RZcalfhealth	104	*42 %*
DDcontrol	114	*49 %*

RZRobot --- -- %

Kappa Casein BB
Beta Casein A1/A2

Milk	Fat	Protein
+1846 kg	-0.18 %	-0.01 %
	+52 kg	+61 kg

Reliability 73 %
Daughters –
Herds –

- **Improves health**
- **Milk production**
- **Functionality**

08–2019

genomic

Garido

pp CDF

GENOMIC

811606 Born: 24.08.2017

DEU 000122629481

aAa 315426

♂ **Gymnast** (♂ *Doorsopen*)

♀ Sunrise VG 85 (♂ **Penley**)

130T 4733 4.39 208 3.47 164

♀ Shirley (♂ **Boss**)

♀ Sambuca VG 86 (♂ **Beacon**)

gRZG

156
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
148	134	113	116	108	105	126	101
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Garido

RZhealth	114	*56 %*
RZudderfit	111	*60 %*
RZhoof	111	*50 %*
RZrepro	112	*51 %*
RZmetabol	109	*54 %*
RZcalfhealth	96	*48 %*
DDcontrol	112	*50 %*

RZRobot	---	-- %

Kappa Casein --
Beta Casein A1/A2

Milk	Fat	Protein
+1597 kg	+0.23 %	+0.02 %
	+89 kg	+56 kg

Reliability 73 %
Daughters –
Herds –

- **Milk production**
- **Conformation**
- **Udder**

Linear Description		88	100	112	124	811606-Garido	
Dairy Character (Index)						105	
Body (Index)						112	
Feet and legs (Index)						121	
Udder (Index)						134	
RZE (Index)						134	
Stature	*small*					121	*tall*
Dairy character	*little*					108	*angular*
Body depth	*shallow*					105	*deep*
Strength	*narrow*					109	*wide*
Rump angle	*ascending*					92	*sloped*
Rump width	*narrow*					117	*wide*
Rear leg set side view	*straight*					87	*sickled*
Foot angle	*low angles*					106	*steep angle*
Hocks	*swollen*					110	*clean*
Rear leg set rear view	*toes out*					114	*parallel*
Locomotion	*bad*					117	*good*
Rear udder height	*low*					133	*high*
Suspensory ligament	*weak*					116	*strong*
Teat placement (front)	*wide*					106	*close*
Teat placement (rear)	*wide*					112	*close*
Fore udder attachment	*loose*					124	*tight*
Udder depth	*deep*					121	*shallow*
Teat length	*short*					103	*long*

Daughters/ Herds Conformation: –/ –

German Boy

pp CDF Anderstrup German Boy

GENOMIC

619193 Born: 04.05.2018

DEU 001603891478

aAa 324156

♂ **Gymnast** (♂ *Doorsopen*)

♀ Anderstrup Heart of Stone VG 87 (♂ **Silver**)

1/1 La 14614 4.04 591 3.35 490

♀ Anderstrup Heart (♂ **Chevrolet**)

♀ Anderstrup Snow Heaven VG 87 (♂ **Snowman**)

gRZG

161
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
158	130	112	118	99	100	119	105
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

German Boy

RZhealth	105	*56 %*
RZudderfit	101	*60 %*
RZhoof	107	*50 %*
RZrepro	106	*51 %*
RZmetabol	103	*54 %*
RZcalfhealth	89	*49 %*
DDcontrol	108	*50 %*

RZRobot	---	-- %

Kappa Casein AA
Beta Casein A2/A2

Milk	Fat	Protein
+2124 kg	+0.22 %	-0.05 %
	+109 kg	+66 kg

Reliability 73 %
Daughters –
Herds –

- **Milk production**
- **Udder**
- **Conformation**

Linear Description		88	100	112	124	619193-German Boy	
Dairy Character (Index)						113	
Body (Index)						116	
Feet and legs (Index)						115	
Udder (Index)						127	
RZE (Index)						130	
Stature	*small*					128	*tall*
Dairy character	*little*					114	*angular*
Body depth	*shallow*					111	*deep*
Strength	*narrow*					113	*wide*
Rump angle	*ascending*					102	*sloped*
Rump width	*narrow*					115	*wide*
Rear leg set side view	*straight*					97	*sickled*
Foot angle	*low angles*					108	*steep angle*
Hocks	*swollen*					99	*clean*
Rear leg set rear view	*toes out*					110	*parallel*
Locomotion	*bad*					113	*good*
Rear udder height	*low*					137	*high*
Suspensory ligament	*weak*					119	*strong*
Teat placement (front)	*wide*					108	*close*
Teat placement (rear)	*wide*					114	*close*
Fore udder attachment	*loose*					109	*tight*
Udder depth	*deep*					113	*shallow*
Teat length	*short*					95	*long*

Daughters/ Herds Conformation: –/ –

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Gigabyte

pp CDF SH Gigabyte

573654 Born: 31.10.2017

DEU 000122835602

aAa 243156

♂ **Gymnast** (♂ *Doorsopen*)

♀ SH Josie VG 86 (♂ **Silver**)

1 La 13838 3.43 474 3.42 473

♀ SH Model Josi VG 85 (♂ **Model**)

HL 2 16559 3.19 528 3.37 558

♀ SH Jumper VG 88 (♂ **Man-O-Man**)

gRZG

159
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
141	140	128	130	109	99	125	96
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Gigabyte

RZhealth	112	*56 %*
RZudderfit	107	*60 %*
RZhoof	109	*50 %*
RZrepro	111	*51 %*
RZmetabol	113	*54 %*
RZcalfhealth	94	*49 %*
DDcontrol	94	*50 %*
RZRobot	135	*70 %*

Kappa Casein	AA
Beta Casein	A2/A2

Milk	Fat	Protein
+1668 kg	-0.03 %	-0.01 %
	+63 kg	+55 kg

Reliability	73 %
Daughters	–
Herds	–

- **Udder**
- **Conformation**
- **Longevity**

Linear Description		88 – 100 – 112 – 124		573654-Gigabyte	
Dairy Character (Index)			110		
Body (Index)			113		
Feet and legs (Index)			119		
Udder (Index)			142		
RZE (Index)			140		
Stature	*small*		127	*tall*	
Dairy character	*little*		111	*angular*	
Body depth	*shallow*		103	*deep*	
Strength	*narrow*		108	*wide*	
Rump angle	*ascending*		112	*sloped*	
Rump width	*narrow*		121	*wide*	
Rear leg set side view	*straight*		98	*sickled*	
Foot angle	*low angles*		109	*steep angle*	
Hocks	*swollen*		96	*clean*	
Rear leg set rear view	*toes out*		119	*parallel*	
Locomotion	*bad*		117	*good*	
Rear udder height	*low*		146	*high*	
Suspensory ligament	*weak*		115	*strong*	
Teat placement (front)	*wide*		95	*close*	
Teat placement (rear)	*wide*		96	*close*	
Fore udder attachment	*loose*		127	*tight*	
Udder depth	*deep*		129	*shallow*	
Teat length	*short*		112	*long*	

Daughters/ Herds Conformation: –/ –

08–2019 genomic

Gigastar

pp CDF

573658 Born: 02.12.2017

DNK 000000259805

aAa 243516

♂ **Gymnast** (♂ *Doorsopen*)

♀ Giga-Star (♂ **Silver**)

♀ Gaga VG 87 (♂ **Massey**)

156T 4646 4.18 194 3.31 154

♀ Gatsby VG 88 (♂ **Limbo**)

gRZG

157
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
142	135	120	125	114	97	114	109
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*64 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Gigastar

RZhealth	113	*56 %*
RZudderfit	109	*60 %*
RZhoof	109	*50 %*
RZrepro	106	*51 %*
RZmetabol	120	*54 %*
RZcalfhealth	97	*48 %*
DDcontrol	105	*50 %*
RZRobot	---	*-- %*

Kappa Casein	AB
Beta Casein	A1/A2

Milk	Fat	Protein
+1875 kg	-0.12 %	-0.05 %
	+61 kg	+58 kg

Reliability	73 %
Daughters	–
Herds	–

- **Conformation**
- **Udder**
- **Functionality**

Linear Description		88 – 100 – 112 – 124		573658-Gigastar	
Dairy Character (Index)			103		
Body (Index)			115		
Feet and legs (Index)			120		
Udder (Index)			135		
RZE (Index)			135		
Stature	*small*		133	*tall*	
Dairy character	*little*		106	*angular*	
Body depth	*shallow*		110	*deep*	
Strength	*narrow*		120	*wide*	
Rump angle	*ascending*		89	*sloped*	
Rump width	*narrow*		125	*wide*	
Rear leg set side view	*straight*		96	*sickled*	
Foot angle	*low angles*		118	*steep angle*	
Hocks	*swollen*		97	*clean*	
Rear leg set rear view	*toes out*		116	*parallel*	
Locomotion	*bad*		116	*good*	
Rear udder height	*low*		130	*high*	
Suspensory ligament	*weak*		113	*strong*	
Teat placement (front)	*wide*		99	*close*	
Teat placement (rear)	*wide*		110	*close*	
Fore udder attachment	*loose*		124	*tight*	
Udder depth	*deep*		128	*shallow*	
Teat length	*short*		113	*long*	

Daughters/ Herds Conformation: –/ –

08–2019 genomic

Goldengate

pp CDF

GENOMIC

509144 Born: 12.02.2018

USA 003142332580

aAa 342

♂ **Guarantee** (♂ *Boastful*)

♀ Band 7234 (♂ **Bandares**)

♀ King6660 VG 88 (♂ **Kingboy**)

♀ Harp VG 87 (♂ **Robust**)

gRZG

152
68 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
139	117	120	129	117	104	124	107
72 %	*61 %*	*75 %*	*66 %*	*52 %*	*61 %*	*60 %*	*70 %*

Proof: vit / 08–2019

Linear Description		88 – 100 – 112 – 124	509144-Goldengate	
Dairy Character (Index)			105	
Body (Index)			107	
Feet and legs (Index)			106	
Udder (Index)			119	
RZE (Index)			117	
Stature	*small*		118	*tall*
Dairy character	*little*		104	*angular*
Body depth	*shallow*		102	*deep*
Strength	*narrow*		104	*wide*
Rump angle	*ascending*		86	*sloped*
Rump width	*narrow*		116	*wide*
Rear leg set side view	*straight*		95	*sickled*
Foot angle	*low angles*		98	*steep angle*
Hocks	*swollen*		102	*clean*
Rear leg set rear view	*toes out*		101	*parallel*
Locomotion	*bad*		106	*good*
Rear udder height	*low*		123	*high*
Suspensory ligament	*weak*		108	*strong*
Teat placement (front)	*wide*		96	*close*
Teat placement (rear)	*wide*		98	*close*
Fore udder attachment	*loose*		112	*tight*
Udder depth	*deep*		115	*shallow*
Teat length	*short*		94	*long*

Daughters/ Herds Conformation: –/ –

Goldengate

RZhealth	117	*54 %*
RZudderfit	118	*58 %*
RZhoof	109	*49 %*
RZrepro	113	*50 %*
RZmetabol	109	*52 %*
RZcalfhealth	109	*41 %*
DDcontrol	108	*48 %*
RZRobot	117	*70 %*

Kappa Casein --
Beta Casein --/--

Milk	Fat	Protein
+1103 kg	+0.11 %	+0.15 %
	+55 kg	+53 kg

Reliability 72 %
Daughters –
Herds –

- **Functionality**
- **Milk & components**
- **Fits for AMS**

Goloman

pp CDF Danhof Goloman

GENOMIC

619195 Born: 19.05.2018

DEU 000667168553

aAa 213456

♂ **Guarantee** (♂ *Boastful*)

♀ Aria 3826 VG 86 (♂ **AltaSpring**)
134T 6327 3.98 252 3.29 208

♀ Aria 2815 VG 88 (♂ **MVP**)
2/1 La 10581 4.39 464 3.56 377

♀ Adore 2500 GP 83 (♂ **Epic**)

gRZG

157
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
151	120	122	122	106	104	122	96
73 %	*61 %*	*75 %*	*66 %*	*53 %*	*61 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Linear Description		88 – 100 – 112 – 124	619195-Goloman	
Dairy Character (Index)			114	
Body (Index)			108	
Feet and legs (Index)			110	
Udder (Index)			118	
RZE (Index)			120	
Stature	*small*		106	*tall*
Dairy character	*little*		117	*angular*
Body depth	*shallow*		106	*deep*
Strength	*narrow*		99	*wide*
Rump angle	*ascending*		93	*sloped*
Rump width	*narrow*		115	*wide*
Rear leg set side view	*straight*		104	*sickled*
Foot angle	*low angles*		99	*steep angle*
Hocks	*swollen*		109	*clean*
Rear leg set rear view	*toes out*		101	*parallel*
Locomotion	*bad*		109	*good*
Rear udder height	*low*		125	*high*
Suspensory ligament	*weak*		109	*strong*
Teat placement (front)	*wide*		100	*close*
Teat placement (rear)	*wide*		105	*close*
Fore udder attachment	*loose*		109	*tight*
Udder depth	*deep*		106	*shallow*
Teat length	*short*		98	*long*

Daughters/ Herds Conformation: –/ –

Goloman

RZhealth	119	*55 %*
RZudderfit	121	*59 %*
RZhoof	113	*49 %*
RZrepro	107	*51 %*
RZmetabol	106	*53 %*
RZcalfhealth	112	*42 %*
DDcontrol	110	*49 %*
RZRobot	111	*70 %*

Kappa Casein BB
Beta Casein A2/A2

Milk	Fat	Protein
+1500 kg	+0.32 %	+0.08 %
	+94 kg	+59 kg

Reliability 73 %
Daughters –
Herds –

- **Improves health**
- **Udder fitness**
- **Functionality**

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Guardian

pp CDF Danhof Guardian

686112 Born: 29.01.2018

USA 003137164315

aAa 345126

♂ **Guarantee** (♂ *Boastful*)

♀ Aria 3826 VG 86 (♂ **AltaSpring**)

♀ Aria 2815 VG 88 (♂ **MVP**)

1 La 10581 4.39 464 3.56 377

♀ Adore 2500 GP 83 (♂ **Epic**)

gRZG

158
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
146	127	129	124	110	96	114	93
73 %	*61 %*	*75 %*	*66 %*	*53 %*	*61 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Guardian

RZhealth	120	*55 %*
RZudderfit	121	*59 %*
RZhoof	118	*49 %*
RZrepro	107	*51 %*
RZmetabol	104	*53 %*
RZcalfhealth	109	*42 %*
DDcontrol	124	*49 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A2/A2

Milk	Fat	Protein
+1483 kg	+0.22 %	+0.05 %
	+83 kg	+55 kg

Reliability	73 %
Daughters	–
Herds	–

- **Milk & components**
- **Improves health**
- **Udder**

Linear Description		88	100	112	124	686112-Guardian	
Dairy Character (Index)						114	
Body (Index)						110	
Feet and legs (Index)						107	
Udder (Index)						131	
RZE (Index)						127	
Stature	*small*					112	*tall*
Dairy character	*little*					116	*angular*
Body depth	*shallow*					105	*deep*
Strength	*narrow*					100	*wide*
Rump angle	*ascending*					89	*sloped*
Rump width	*narrow*					117	*wide*
Rear leg set side view	*straight*					105	*sickled*
Foot angle	*low angles*					97	*steep angle*
Hocks	*swollen*					110	*clean*
Rear leg set rear view	*toes out*					98	*parallel*
Locomotion	*bad*					106	*good*
Rear udder height	*low*					138	*high*
Suspensory ligament	*weak*					116	*strong*
Teat placement (front)	*wide*					102	*close*
Teat placement (rear)	*wide*					106	*close*
Fore udder attachment	*loose*					118	*tight*
Udder depth	*deep*					119	*shallow*
Teat length	*short*					96	*long*

Daughters/ Herds Conformation: –/ –

08–2019

genomic

Hashtag P

Pp* CDF

572950 Born: 10.01.2017

DEU 001405290450

aAa 342516

♂ **Hologram P** (♂ *Monterey*)

♀ Pistazie 176 VG 87 (♂ **Balisto**)

1 La 9904 3.89 385 3.76 372

♀ Precious 313 VG 86 (♂ **Epic**)

HL 2 10891 4.48 488 3.76 410

♀ Perky VG 85 (♂ **Goldwyn**)

gRZG

149
71 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
135	115	117	129	121	105	123	107
75 %	*64 %*	*77 %*	*67 %*	*54 %*	*64 %*	*63 %*	*72 %*

Proof: vit / 08–2019

Hashtag P

RZhealth	113	*57 %*
RZudderfit	108	*61 %*
RZhoof	111	*52 %*
RZrepro	111	*53 %*
RZmetabol	112	*55 %*
RZcalfhealth	100	*50 %*
DDcontrol	111	*51 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A2/A2

Milk	Fat	Protein
+838 kg	+0.32 %	+0.12 %
	+66 kg	+40 kg

Reliability	75 %
Daughters	–
Herds	–

- **Daughter fertility**
- **Longevity**
- **A2/A2**

Linear Description		88	100	112	124	572950-Hashtag P	
Dairy Character (Index)						108	
Body (Index)						103	
Feet and legs (Index)						114	
Udder (Index)						112	
RZE (Index)						115	
Stature	*small*					98	*tall*
Dairy character	*little*					108	*angular*
Body depth	*shallow*					105	*deep*
Strength	*narrow*					101	*wide*
Rump angle	*ascending*					90	*sloped*
Rump width	*narrow*					101	*wide*
Rear leg set side view	*straight*					100	*sickled*
Foot angle	*low angles*					101	*steep angle*
Hocks	*swollen*					107	*clean*
Rear leg set rear view	*toes out*					108	*parallel*
Locomotion	*bad*					111	*good*
Rear udder height	*low*					111	*high*
Suspensory ligament	*weak*					104	*strong*
Teat placement (front)	*wide*					108	*close*
Teat placement (rear)	*wide*					105	*close*
Fore udder attachment	*loose*					112	*tight*
Udder depth	*deep*					107	*shallow*
Teat length	*short*					89	*long*

Daughters/ Herds Conformation: –/ –

08–2019

genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Hotspot P

Pp* CDF WIL Hotspot P

GENOMIC

684671 Born: 17.01.2017

DEU 000539675034

aAa 231465

♂ **Superhero** (♂ *Supershot*)

♀ WIL Herz P VG 85 (♂ **Powerball P**)

1/1 La 12535 3.64 456 3.48 436

♀ WIL Hira VG 85 (♂ **Saloon**)

1/1 La 8768 4.21 369 3.50 307

♀ Konny VG 85 (♂ **Snowman**)

gRZG

153
70 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
143	129	104	119	117	103	120	114
75 %	*64 %*	*77 %*	*66 %*	*54 %*	*73 %*	*61 %*	*71 %*

Proof: vit / 08–2019

Hotspot P

Linear Description		88 – 100 – 112 – 124 (684671-Hotspot P)		
Dairy Character (Index)			115	
Body (Index)			104	
Feet and legs (Index)			120	
Udder (Index)			128	
RZE (Index)			129	
Stature	*small*		115	*tall*
Dairy character	*little*		117	*angular*
Body depth	*shallow*		102	*deep*
Strength	*narrow*		95	*wide*
Rump angle	*ascending*		98	*sloped*
Rump width	*narrow*		106	*wide*
Rear leg set side view	*straight*		90	*sickled*
Foot angle	*low angles*		106	*steep angle*
Hocks	*swollen*		113	*clean*
Rear leg set rear view	*toes out*		109	*parallel*
Locomotion	*bad*		114	*good*
Rear udder height	*low*		126	*high*
Suspensory ligament	*weak*		112	*strong*
Teat placement (front)	*wide*		100	*close*
Teat placement (rear)	*wide*		98	*close*
Fore udder attachment	*loose*		119	*tight*
Udder depth	*deep*		120	*shallow*
Teat length	*short*		100	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	110	*56 %*
RZudderfit	105	*60 %*
RZhoof	111	*50 %*
RZrepro	113	*52 %*
RZmetabol	101	*54 %*
RZcalfhealth	94	*47 %*
DDcontrol	111	*50 %*
RZRobot	124	*71 %*

Kappa Casein AB
Beta Casein A1/A2

Milk	Fat	Protein
+772 kg	+0.41 %	+0.28 %
	+72 kg	+54 kg

Reliability 75 %
Daughters –
Herds –

- **Components**
- **Fits for AMS**
- **Daughter fertility**

Imano

pp CDF

GENOMIC

811613 Born: 06.01.2018

DEU 000360243452

aAa 432561

♂ **Imax** (♂ *AltaSpring*)

♀ Denver VG 86 (♂ **Kooper**)

1 La 13122 3.62 475 3.40 446

♀ De-Su 2618 VG 85 (♂ **Maurice**)

HL 3 13571 4.02 546 3.35 454

♀ De-Su 1061 (♂ **Shamrock**)

gRZG

158
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
146	120	115	131	109	109	118	104
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Imano

Linear Description		88 – 100 – 112 – 124 (811613-Imano)		
Dairy Character (Index)			98	
Body (Index)			99	
Feet and legs (Index)			111	
Udder (Index)			126	
RZE (Index)			120	
Stature	*small*		103	*tall*
Dairy character	*little*		99	*angular*
Body depth	*shallow*		96	*deep*
Strength	*narrow*		103	*wide*
Rump angle	*ascending*		94	*sloped*
Rump width	*narrow*		99	*wide*
Rear leg set side view	*straight*		88	*sickled*
Foot angle	*low angles*		113	*steep angle*
Hocks	*swollen*		102	*clean*
Rear leg set rear view	*toes out*		100	*parallel*
Locomotion	*bad*		109	*good*
Rear udder height	*low*		124	*high*
Suspensory ligament	*weak*		107	*strong*
Teat placement (front)	*wide*		105	*close*
Teat placement (rear)	*wide*		106	*close*
Fore udder attachment	*loose*		118	*tight*
Udder depth	*deep*		119	*shallow*
Teat length	*short*		98	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	115	*56 %*
RZudderfit	109	*60 %*
RZhoof	114	*50 %*
RZrepro	111	*52 %*
RZmetabol	118	*54 %*
RZcalfhealth	103	*44 %*
DDcontrol	130	*50 %*
RZRobot	114	*70 %*

Kappa Casein AA
Beta Casein A1/A2

Milk	Fat	Protein
+1457 kg	+0.27 %	+0.03 %
	+87 kg	+53 kg

Reliability 73 %
Daughters –
Herds –

- **Longevity**
- **Milk production**
- **Calving ease**

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Intro

pp CDF WIL Intro

823220 Born: 15.02.2018

DEU 000540130080

aAa 435261

♂ **Imax** (♂ *AltaSpring*)

♀ WIL Fun VG 85 (♂ **Jedi**)

♀ WIL Fanta VG 86 (♂ **Silver**)

HL 2 11399 4.45 507 3.66 417

♀ WIL Finale VG 88 (♂ **Fanatic**)

gRZG

157
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
144	129	109	125	117	106	124	109
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*62 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Intro

Linear Description		88	100	112	124		823220-Intro
Dairy Character (Index)						103	
Body (Index)						103	
Feet and legs (Index)						116	
Udder (Index)						134	
RZE (Index)						129	
Stature	*small*					109	*tall*
Dairy character	*little*					102	*angular*
Body depth	*shallow*					100	*deep*
Strength	*narrow*					106	*wide*
Rump angle	*ascending*					99	*sloped*
Rump width	*narrow*					96	*wide*
Rear leg set side view	*straight*					79	*sickled*
Foot angle	*low angles*					111	*steep angle*
Hocks	*swollen*					101	*clean*
Rear leg set rear view	*toes out*					116	*parallel*
Locomotion	*bad*					116	*good*
Rear udder height	*low*					132	*high*
Suspensory ligament	*weak*					114	*strong*
Teat placement (front)	*wide*					112	*close*
Teat placement (rear)	*wide*					109	*close*
Fore udder attachment	*loose*					123	*tight*
Udder depth	*deep*					126	*shallow*
Teat length	*short*					94	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	112	*55 %*
RZudderfit	103	*59 %*
RZhoof	110	*50 %*
RZrepro	113	*51 %*
RZmetabol	119	*53 %*
RZcalfhealth	106	*44 %*
DDcontrol	114	*49 %*

RZRobot --- -- %

Kappa Casein AA
Beta Casein A2/A2

Milk	Fat	Protein
+1029 kg	+0.36 %	+0.18 %
	+78 kg	+53 kg

Reliability 73 %
Daughters –
Herds –

- **Functionality**
- **Milk & components**
- **Udder**

08–2019

genomic

Jackson

pp CDF

811621 Born: 10.06.2018

DEU 000123058567

aAa 342516

♂ **Jameson** (♂ *Jetset*)

♀ Sunrise VG 85 (♂ **Penley**)

130T 4733 4.39 208 3.47 164

♀ Shirley (♂ **Boss**)

♀ Sambuca VG 86 (♂ **Beacon**)

gRZG

157
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
138	133	134	132	108	107	119	99
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Jackson

Linear Description		88	100	112	124		811621-Jackson
Dairy Character (Index)						100	
Body (Index)						111	
Feet and legs (Index)						121	
Udder (Index)						134	
RZE (Index)						133	
Stature	*small*					118	*tall*
Dairy character	*little*					100	*angular*
Body depth	*shallow*					102	*deep*
Strength	*narrow*					112	*wide*
Rump angle	*ascending*					101	*sloped*
Rump width	*narrow*					107	*wide*
Rear leg set side view	*straight*					86	*sickled*
Foot angle	*low angles*					118	*steep angle*
Hocks	*swollen*					107	*clean*
Rear leg set rear view	*toes out*					113	*parallel*
Locomotion	*bad*					114	*good*
Rear udder height	*low*					121	*high*
Suspensory ligament	*weak*					109	*strong*
Teat placement (front)	*wide*					123	*close*
Teat placement (rear)	*wide*					108	*close*
Fore udder attachment	*loose*					131	*tight*
Udder depth	*deep*					132	*shallow*
Teat length	*short*					89	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	119	*56 %*
RZudderfit	122	*60 %*
RZhoof	107	*50 %*
RZrepro	109	*52 %*
RZmetabol	117	*54 %*
RZcalfhealth	106	*48 %*
DDcontrol	112	*50 %*

RZRobot --- -- %

Kappa Casein AB
Beta Casein A2/A2

Milk	Fat	Protein
+1235 kg	+0.08 %	+0.08 %
	+58 kg	+50 kg

Reliability 73 %
Daughters –
Herds –

- **Udder**
- **Longevity**
- **Cell score**

08–2019

genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Jalano

pp CDF MyH Jalano

823224 Born: 14.08.2018

DEU 001305711892

aAa 135264

♂ **Jameson** (♂ *Jetset*)

♀ Maxi-b (♂ **Bolaro**)

200T 5001 3.96 198 3.56 178

♀ Maxi GP 84 (♂ **Maximum**)

HL 4 11870 4.20 498 3.87 459

♀ 668 GP 83 (♂ **Stylist**)

gRZG

159

69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
147	125	113	132	104	112	116	107
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Jalano

RZhealth	113	*56 %*
RZudderfit	112	*60 %*
RZhoof	110	*51 %*
RZrepro	106	*52 %*
RZmetabol	106	*54 %*
RZcalfhealth	112	*48 %*
DDcontrol	114	*50 %*

RZRobot	---	-- %

Kappa Casein	AA
Beta Casein	A23

Milk	Fat	Protein
+1614 kg	-0.01 %	+0.11 %
	+63 kg	+66 kg

Reliability	73 %
Daughters	–
Herds	–

- **Longevity**
- **Milk production**
- **Calving ease**

Linear Description	88	100	112	124	823224-Jalano
Dairy Character (Index)					110
Body (Index)					102
Feet and legs (Index)					124
Udder (Index)					121
RZE (Index)					125

Stature	*small*	101	*tall*
Dairy character	*little*	110	*angular*
Body depth	*shallow*	103	*deep*
Strength	*narrow*	95	*wide*
Rump angle	*ascending*	103	*sloped*
Rump width	*narrow*	97	*wide*
Rear leg set side view	*straight*	88	*sickled*
Foot angle	*low angles*	109	*steep angle*
Hocks	*swollen*	120	*clean*
Rear leg set rear view	*toes out*	109	*parallel*
Locomotion	*bad*	116	*good*
Rear udder height	*low*	128	*high*
Suspensory ligament	*weak*	105	*strong*
Teat placement (front)	*wide*	123	*close*
Teat placement (rear)	*wide*	116	*close*
Fore udder attachment	*loose*	118	*tight*
Udder depth	*deep*	112	*shallow*
Teat length	*short*	87	*long*

Daughters/ Herds Conformation: –/ –

Khedira

pp CDF Holbra K&L Khedira

156578 Born: 17.01.2017

NLD 000626776068

aAa 324165

♂ **Kerrigan** (♂ *Kingboy*)

♀ Holbra Sancodi VG 88 (♂ **Commander**)

2/1 La 16570 2.96 490 3.44 570

♀ Holbra Sanadi VG 87 (♂ **Meridian**)

HL 3 19637 2.35 461 2.96 581

♀ Holbra Sana VG 89 (♂ **Snowman**)

gRZG

153

70 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
148	126	112	119	104	104	113	101
75 %	*65 %*	*77 %*	*67 %*	*55 %*	*75 %*	*64 %*	*72 %*

Proof: vit / 08–2019

Khedira

RZhealth	112	*57 %*
RZudderfit	108	*61 %*
RZhoof	114	*51 %*
RZrepro	105	*52 %*
RZmetabol	108	*55 %*
RZcalfhealth	95	*53 %*
DDcontrol	125	*51 %*

RZRobot	---	-- %

Kappa Casein	AA
Beta Casein	A2/A2

Milk	Fat	Protein
+1675 kg	+0.13 %	+0.03 %
	+81 kg	+60 kg

Reliability	75 %
Daughters	–
Herds	–

- **Milk production**
- **Longevity**
- **A2/A2**

Linear Description	88	100	112	124	156578-Khedira
Dairy Character (Index)					126
Body (Index)					112
Feet and legs (Index)					112
Udder (Index)					121
RZE (Index)					126

Stature	*small*	126	*tall*
Dairy character	*little*	123	*angular*
Body depth	*shallow*	112	*deep*
Strength	*narrow*	100	*wide*
Rump angle	*ascending*	93	*sloped*
Rump width	*narrow*	114	*wide*
Rear leg set side view	*straight*	82	*sickled*
Foot angle	*low angles*	115	*steep angle*
Hocks	*swollen*	97	*clean*
Rear leg set rear view	*toes out*	108	*parallel*
Locomotion	*bad*	110	*good*
Rear udder height	*low*	123	*high*
Suspensory ligament	*weak*	109	*strong*
Teat placement (front)	*wide*	113	*close*
Teat placement (rear)	*wide*	112	*close*
Fore udder attachment	*loose*	115	*tight*
Udder depth	*deep*	115	*shallow*
Teat length	*short*	88	*long*

Daughters/ Herds Conformation: –/ –

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Lavonte

pp* CDF Fustead Sperhero Lavonte ET

GENOMIC

508779 Born: 26.07.2017

USA 003134971749

aAa 423

♂ **Superhero** (♂ *Supershot*)

♀ Lavon VG 85 (♂ **Rubicon**)

1 La 14293 4.85 693 3.53 504

♀ Lafonda VG 86 (♂ **AltaOak**)

1 La 15736 3.46 545 3.31 521

♀ Lucille EX 90 (♂ **Bolton**)

gRZG

158
70 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
143	123	118	134	114	96	115	94
74 %	*63 %*	*76 %*	*66 %*	*54 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Lavonte

Linear Description		88	100	112	124	508779-Lavonte	
Dairy Character (Index)						92	
Body (Index)						109	
Feet and legs (Index)						112	
Udder (Index)						127	
RZE (Index)						123	
Stature	*small*					106	*tall*
Dairy character	*little*					94	*angular*
Body depth	*shallow*					99	*deep*
Strength	*narrow*					113	*wide*
Rump angle	*ascending*					96	*sloped*
Rump width	*narrow*					110	*wide*
Rear leg set side view	*straight*					100	*sickled*
Foot angle	*low angles*					105	*steep angle*
Hocks	*swollen*					99	*clean*
Rear leg set rear view	*toes out*					108	*parallel*
Locomotion	*bad*					111	*good*
Rear udder height	*low*					120	*high*
Suspensory ligament	*weak*					116	*strong*
Teat placement (front)	*wide*					108	*close*
Teat placement (rear)	*wide*					109	*close*
Fore udder attachment	*loose*					120	*tight*
Udder depth	*deep*					119	*shallow*
Teat length	*short*					103	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	116	*55 %*
RZudderfit	110	*60 %*
RZhoof	113	*50 %*
RZrepro	115	*51 %*
RZmetabol	119	*54 %*
RZcalfhealth	106	*45 %*
DDcontrol	114	*50 %*

RZRobot --- -- %

Kappa Casein AB
Beta Casein A1/A2

Milk	Fat	Protein
+1218 kg	+0.28 %	+0.10 %
	+77 kg	+51 kg

Reliability 74 %
Daughters –
Herds –

- **Longevity**
- **Milk & components**
- **Functionality**

08–2019

genomic

Match P

Pp* CDF

GENOMIC

823204 Born: 19.05.2017

DNK 000000259417

aAa 432561

♂ **Mission P RDC** (♂ *Missouri*)

♀ Giga-Star (♂ **Silver**)

♀ Gaga VG 87 (♂ **Massey**)

156T 4646 4.18 194 3.31 154

♀ Gatsby VG 88 (♂ **Limbo**)

gRZG

157
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
151	121	112	118	108	97	118	96
73 %	*63 %*	*76 %*	*66 %*	*54 %*	*64 %*	*61 %*	*71 %*

Proof: vit / 08–2019

Match P

Linear Description		88	100	112	124	823204-Match P	
Dairy Character (Index)						105	
Body (Index)						100	
Feet and legs (Index)						115	
Udder (Index)						123	
RZE (Index)						121	
Stature	*small*					113	*tall*
Dairy character	*little*					107	*angular*
Body depth	*shallow*					95	*deep*
Strength	*narrow*					103	*wide*
Rump angle	*ascending*					103	*sloped*
Rump width	*narrow*					102	*wide*
Rear leg set side view	*straight*					96	*sickled*
Foot angle	*low angles*					106	*steep angle*
Hocks	*swollen*					107	*clean*
Rear leg set rear view	*toes out*					106	*parallel*
Locomotion	*bad*					112	*good*
Rear udder height	*low*					114	*high*
Suspensory ligament	*weak*					104	*strong*
Teat placement (front)	*wide*					105	*close*
Teat placement (rear)	*wide*					107	*close*
Fore udder attachment	*loose*					120	*tight*
Udder depth	*deep*					121	*shallow*
Teat length	*short*					101	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	105	*57 %*
RZudderfit	103	*61 %*
RZhoof	102	*51 %*
RZrepro	108	*52 %*
RZmetabol	106	*55 %*
RZcalfhealth	109	*51 %*
DDcontrol	108	*51 %*

RZRobot --- -- %

Kappa Casein BB
Beta Casein A1/A2

Milk	Fat	Protein
+2306 kg	-0.13 %	-0.08 %
	+76 kg	+68 kg

Reliability 73 %
Daughters –
Herds –

- **Milk production**
- **Udder**
- **Functionality**

08–2019

genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Mezzo

pp CDF

823217 Born: 06.02.2018

DEU 000030914779

aAa 243615

♂ **Mr Puma** (♂ *Icone*)

♀ DE 03 582 84025 GP 84 (♂ **Powerball P**)

100T 3438 4.19 144 3.08 106

♀ Aida Mr VG 86 (♂ **Snow RF**)

1 La 13120 3.26 428 3.14 412

♀ Airline 89 VG 85 (♂ **Observer**)

gRZG

155
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
150	129	125	122	90	104	101	98
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Mezzo

RZhealth	108	*56 %*
RZudderfit	103	*60 %*
RZhoof	111	*51 %*
RZrepro	102	*52 %*
RZmetabol	112	*54 %*
RZcalfhealth	97	*47 %*
DDcontrol	104	*51 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A1/A2

Milk	Fat	Protein
+2205 kg	-0.12 %	-0.06 %
	+73 kg	+67 kg

Reliability	73 %
Daughters	–
Herds	–

- **Milk production**
- **Udder**
- **Longevity**

Linear Description		88	100	112	124	823217-Mezzo	
Dairy Character (Index)						120	
Body (Index)						118	
Feet and legs (Index)						110	
Udder (Index)						127	
RZE (Index)						129	
Stature	*small*					126	*tall*
Dairy character	*little*					121	*angular*
Body depth	*shallow*					116	*deep*
Strength	*narrow*					105	*wide*
Rump angle	*ascending*					91	*sloped*
Rump width	*narrow*					130	*wide*
Rear leg set side view	*straight*					93	*sickled*
Foot angle	*low angles*					108	*steep angle*
Hocks	*swollen*					103	*clean*
Rear leg set rear view	*toes out*					99	*parallel*
Locomotion	*bad*					107	*good*
Rear udder height	*low*					125	*high*
Suspensory ligament	*weak*					112	*strong*
Teat placement (front)	*wide*					113	*close*
Teat placement (rear)	*wide*					110	*close*
Fore udder attachment	*loose*					118	*tight*
Udder depth	*deep*					116	*shallow*
Teat length	*short*					103	*long*

Daughters/ Herds Conformation: –/ –

My Dream P

Pp* CDF SPH My Dream P

619173 Born: 23.03.2017

DEU 000666959699

aAa 423615

♂ **Mission P RDC** (♂ *Missouri*)

♀ SPH Gallerie VG 86 (♂ **Shotglass**)

HL 3 12657 4.07 515 3.22 407

♀ Galaxy VG 85 (♂ **Beacon**)

HL 3 13336 3.84 512 3.32 443

♀ Tirsvad Juwel Ghana VG 88 (♂ **Juwel**)

gRZG

150
70 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
147	114	112	112	111	103	122	102
74 %	*63 %*	*76 %*	*67 %*	*54 %*	*72 %*	*62 %*	*73 %*

Proof: vit / 08–2019

My Dream P

RZhealth	113	*57 %*
RZudderfit	111	*61 %*
RZhoof	110	*52 %*
RZrepro	108	*53 %*
RZmetabol	111	*56 %*
RZcalfhealth	113	*53 %*
DDcontrol	113	*52 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A2/A2

Milk	Fat	Protein
+1539 kg	+0.03 %	+0.14 %
	+64 kg	+67 kg

Reliability	74 %
Daughters	–
Herds	–

- **Functionality**
- **Milk production**
- **Protein %**

Linear Description		88	100	112	124	619173-My Dream P	
Dairy Character (Index)						109	
Body (Index)						97	
Feet and legs (Index)						105	
Udder (Index)						118	
RZE (Index)						114	
Stature	*small*					110	*tall*
Dairy character	*little*					109	*angular*
Body depth	*shallow*					95	*deep*
Strength	*narrow*					96	*wide*
Rump angle	*ascending*					98	*sloped*
Rump width	*narrow*					100	*wide*
Rear leg set side view	*straight*					109	*sickled*
Foot angle	*low angles*					97	*steep angle*
Hocks	*swollen*					108	*clean*
Rear leg set rear view	*toes out*					102	*parallel*
Locomotion	*bad*					104	*good*
Rear udder height	*low*					115	*high*
Suspensory ligament	*weak*					108	*strong*
Teat placement (front)	*wide*					121	*close*
Teat placement (rear)	*wide*					111	*close*
Fore udder attachment	*loose*					114	*tight*
Udder depth	*deep*					112	*shallow*
Teat length	*short*					117	*long*

Daughters/ Herds Conformation: –/ –

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Palmbeach

pp CDF

GENOMIC

768900 Born: 31.08.2018

DEU 000540275747

aAa ------

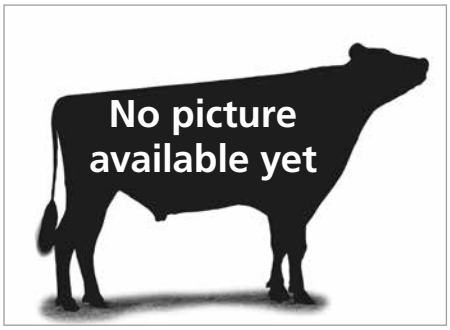
♂ **Padawan** (♂ *Jedi*)

♀ Aria 3826 VG 86 (♂ **AltaSpring**)

♀ Aria 2815 VG 88 (♂ **MVP**)

1 La 10581 4.39 464 3.56 377

♀ Adore 2500 GP 83 (♂ **Epic**)



gRZG

154
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
141	121	121	125	125	100	117	94
73 %	*61 %*	*75 %*	*66 %*	*53 %*	*62 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Linear Description		88 – 100 – 112 – 124	768900-Palmbeach	
Dairy Character (Index)			114	
Body (Index)			107	
Feet and legs (Index)			108	
Udder (Index)			121	
RZE (Index)			121	
Stature	*small*		111	*tall*
Dairy character	*little*		117	*angular*
Body depth	*shallow*		107	*deep*
Strength	*narrow*		101	*wide*
Rump angle	*ascending*		106	*sloped*
Rump width	*narrow*		106	*wide*
Rear leg set side view	*straight*		90	*sickled*
Foot angle	*low angles*		107	*steep angle*
Hocks	*swollen*		104	*clean*
Rear leg set rear view	*toes out*		101	*parallel*
Locomotion	*bad*		106	*good*
Rear udder height	*low*		131	*high*
Suspensory ligament	*weak*		122	*strong*
Teat placement (front)	*wide*		119	*close*
Teat placement (rear)	*wide*		129	*close*
Fore udder attachment	*loose*		109	*tight*
Udder depth	*deep*		112	*shallow*
Teat length	*short*		101	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	118	*55 %*
RZudderfit	111	*59 %*
RZhoof	118	*49 %*
RZrepro	116	*51 %*
RZmetabol	107	*53 %*
RZcalfhealth	112	*42 %*
DDcontrol	121	*49 %*
RZRobot	---	-- %

Kappa Casein AB
Beta Casein A2/A2

Milk	Fat	Protein
+1661 kg	-0.14 %	+0.05 %
	+50 kg	+61 kg

Reliability 73 %
Daughters –
Herds –

- **Daughter fertility**
- **Longevity**
- **Improves health**

08–2019

genomic

Pik As

pp CDF HLM Pik As

GENOMIC

619194 Born: 15.05.2018

DEU 000667146583

aAa 243165

♂ **Pinterault** (♂ *Penley*)

♀ HLM Lu VG 85 (♂ **Hotshot**)

1/1 La 10760 4.69 505 3.72 400

♀ HLM Luzie VG 86 (♂ **Balisto**)

HL 2 11807 5.31 627 3.81 450

♀ HLM Luzine VG 86 (♂ **Explode**)

Pik As

gRZG

158
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
143	117	128	130	116	112	116	95
73 %	*61 %*	*76 %*	*66 %*	*53 %*	*59 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Linear Description		88 – 100 – 112 – 124	619194-Pik As	
Dairy Character (Index)			100	
Body (Index)			102	
Feet and legs (Index)			120	
Udder (Index)			113	
RZE (Index)			117	
Stature	*small*		113	*tall*
Dairy character	*little*		99	*angular*
Body depth	*shallow*		99	*deep*
Strength	*narrow*		104	*wide*
Rump angle	*ascending*		107	*sloped*
Rump width	*narrow*		95	*wide*
Rear leg set side view	*straight*		100	*sickled*
Foot angle	*low angles*		111	*steep angle*
Hocks	*swollen*		98	*clean*
Rear leg set rear view	*toes out*		125	*parallel*
Locomotion	*bad*		116	*good*
Rear udder height	*low*		112	*high*
Suspensory ligament	*weak*		98	*strong*
Teat placement (front)	*wide*		97	*close*
Teat placement (rear)	*wide*		100	*close*
Fore udder attachment	*loose*		110	*tight*
Udder depth	*deep*		113	*shallow*
Teat length	*short*		97	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	117	*55 %*
RZudderfit	117	*60 %*
RZhoof	108	*50 %*
RZrepro	113	*51 %*
RZmetabol	119	*54 %*
RZcalfhealth	108	*42 %*
DDcontrol	112	*50 %*
RZRobot	117	70 %

Kappa Casein BB
Beta Casein A1/A2

Milk	Fat	Protein
+883 kg	+0.38 %	+0.22 %
	+74 kg	+53 kg

Reliability 73 %
Daughters –
Herds –

- **Longevity**
- **Components**
- **Calving ease**

08–2019

genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Predator

pp CDF

GENOMIC

573664 Born: 23.04.2018

DEU 000540259057

aAa 234165

♂ **Pharo** (♂ *Jedi*)

♀ Gloria (♂ **Missouri**)

└ ♀ Gospel VG 87 (♂ **Balisto**)

1 La 9314 4.81 448 3.96 369

└ ♀ Google EX 93 (♂ **Mogul**)

gRZG

155
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
139	133	127	127	112	105	119	95
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Predator

RZhealth	116	*56 %*
RZudderfit	120	*60 %*
RZhoof	103	*50 %*
RZrepro	112	*51 %*
RZmetabol	108	*54 %*
RZcalfhealth	107	*44 %*
DDcontrol	94	*50 %*

RZRobot	---	-- %

Kappa Casein	--
Beta Casein	A1/A2

Milk	Fat	Protein
+683 kg	+0.46 %	+0.21 %
	+74 kg	+44 kg

Reliability	73 %
Daughters	–
Herds	–

- **Components**
- **Udder**
- **Longevity**

Linear Description		88 – 100 – 112 – 124		573664-Predator	
Dairy Character (Index)				117	
Body (Index)				104	
Feet and legs (Index)				110	
Udder (Index)				141	
RZE (Index)				133	
Stature	*small*			128	*tall*
Dairy character	*little*			115	*angular*
Body depth	*shallow*			107	*deep*
Strength	*narrow*			97	*wide*
Rump angle	*ascending*			102	*sloped*
Rump width	*narrow*			104	*wide*
Rear leg set side view	*straight*			97	*sickled*
Foot angle	*low angles*			101	*steep angle*
Hocks	*swollen*			105	*clean*
Rear leg set rear view	*toes out*			107	*parallel*
Locomotion	*bad*			107	*good*
Rear udder height	*low*			129	*high*
Suspensory ligament	*weak*			105	*strong*
Teat placement (front)	*wide*			106	*close*
Teat placement (rear)	*wide*			92	*close*
Fore udder attachment	*loose*			134	*tight*
Udder depth	*deep*			139	*shallow*
Teat length	*short*			92	*long*

Daughters/ Herds Conformation: –/ –

08–2019

genomic

Quentin

pp CDF SPH Quentin

GENOMIC

619188 Born: 03.12.2017

DEU 000667199756

aAa 135246

♂ **Quantum** (♂ *Supershot*)

♀ SPH Goldmarie VG 86 (♂ **Baltikum**)

1/1 La 10561 4.20 444 3.57 377

└ ♀ SPH Gallerie VG 86 (♂ **Shotglass**)

HL 3 12657 4.07 515 3.22 407

└ ♀ Galaxy VG 85 (♂ **Beacon**)

gRZG

152
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
144	127	118	118	106	102	122	100
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*62 %*	*61 %*	*72 %*

Proof: vit / 08–2019

Quentin

RZhealth	116	*56 %*
RZudderfit	115	*60 %*
RZhoof	113	*51 %*
RZrepro	107	*52 %*
RZmetabol	109	*54 %*
RZcalfhealth	102	*45 %*
DDcontrol	110	*50 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A1/A2

Milk	Fat	Protein
+1152 kg	+0.20 %	+0.19 %
	+67 kg	+58 kg

Reliability	73 %
Daughters	–
Herds	–

- **Milk & components**
- **Longevity**
- **Cell score**

Linear Description		88 – 100 – 112 – 124		619188-Quentin	
Dairy Character (Index)				115	
Body (Index)				115	
Feet and legs (Index)				117	
Udder (Index)				120	
RZE (Index)				127	
Stature	*small*			122	*tall*
Dairy character	*little*			114	*angular*
Body depth	*shallow*			120	*deep*
Strength	*narrow*			108	*wide*
Rump angle	*ascending*			89	*sloped*
Rump width	*narrow*			111	*wide*
Rear leg set side view	*straight*			100	*sickled*
Foot angle	*low angles*			111	*steep angle*
Hocks	*swollen*			99	*clean*
Rear leg set rear view	*toes out*			115	*parallel*
Locomotion	*bad*			115	*good*
Rear udder height	*low*			123	*high*
Suspensory ligament	*weak*			109	*strong*
Teat placement (front)	*wide*			109	*close*
Teat placement (rear)	*wide*			110	*close*
Fore udder attachment	*loose*			111	*tight*
Udder depth	*deep*			109	*shallow*
Teat length	*short*			110	*long*

Daughters/ Herds Conformation: –/ –

08–2019

genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Rafting

pp CDF Siemers RUW Rafting

684971 Born: 28.07.2017

DEU 000770601887

aAa 342516

♂ **Ragen** (♂ *Stoic*)

♀ Siemers Silver-D-Rozza-ET (♂ **Silver**)

161T 7019 4.22 296 3.29 231

♀ Siemers Doorman Rozette VG 88 (♂ **Doorman**)

HL 2 19709 4.53 893 3.06 603

♀ Cherry Crest Manoman Roz EX 91 (♂ **Man-O-Man**)

gRZG

156
70 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
151	139	113	115	95	98	110	101
74 %	*63 %*	*76 %*	*66 %*	*55 %*	*62 %*	*63 %*	*70 %*

Proof: vit / 08–2019

Rafting

RZhealth	107	*56 %*
RZudderfit	101	*60 %*
RZhoof	106	*50 %*
RZrepro	112	*51 %*
RZmetabol	110	*54 %*
RZcalfhealth	105	*43 %*
DDcontrol	98	*50 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A1/A2

Milk	Fat	Protein
+1648 kg	+0.18 %	+0.07 %
	+85 kg	+63 kg

Reliability	74 %
Daughters	–
Herds	–

- **Conformation**
- **Milk & components**
- **Udder**

Linear Description		88 – 100 – 112 – 124		684971-Rafting
Dairy Character (Index)			109	
Body (Index)			117	
Feet and legs (Index)			122	
Udder (Index)			137	
RZE (Index)			139	
Stature	*small*		123	*tall*
Dairy character	*little*		109	*angular*
Body depth	*shallow*		111	*deep*
Strength	*narrow*		114	*wide*
Rump angle	*ascending*		90	*sloped*
Rump width	*narrow*		114	*wide*
Rear leg set side view	*straight*		90	*sickled*
Foot angle	*low angles*		123	*steep angle*
Hocks	*swollen*		100	*clean*
Rear leg set rear view	*toes out*		116	*parallel*
Locomotion	*bad*		118	*good*
Rear udder height	*low*		135	*high*
Suspensory ligament	*weak*		117	*strong*
Teat placement (front)	*wide*		113	*close*
Teat placement (rear)	*wide*		117	*close*
Fore udder attachment	*loose*		125	*tight*
Udder depth	*deep*		127	*shallow*
Teat length	*short*		100	*long*

Daughters/ Herds Conformation: –/ –

Sano

pp CDF EIT Sano

686120 Born: 23.06.2018

DEU 001504829026

aAa 342156

♂ **Sonic** (♂ *Silver*)

♀ Jacy VG 86 (♂ **Barcley**)

♀ Jantina 79 GP 83 (♂ **Chevrolet**)

HL 2 14825 3.44 510 3.37 499

♀ Jantina 10 VG 85 (♂ **Man-O-Man**)

gRZG

165
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
165	119	113	119	100	99	112	102
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*62 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Sano

RZhealth	104	*56 %*
RZudderfit	98	*60 %*
RZhoof	103	*51 %*
RZrepro	111	*52 %*
RZmetabol	108	*54 %*
RZcalfhealth	104	*46 %*
DDcontrol	103	*50 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A1/A2

Milk	Fat	Protein
+2347 kg	+0.21 %	-0.02 %
	+117 kg	+76 kg

Reliability	73 %
Daughters	–
Herds	–

- **No.1 bull by RZG**
- **Milk production**
- **Fat %**

Linear Description		88 – 100 – 112 – 124		686120-Sano
Dairy Character (Index)			116	
Body (Index)			103	
Feet and legs (Index)			118	
Udder (Index)			112	
RZE (Index)			119	
Stature	*small*		118	*tall*
Dairy character	*little*		115	*angular*
Body depth	*shallow*		109	*deep*
Strength	*narrow*		97	*wide*
Rump angle	*ascending*		110	*sloped*
Rump width	*narrow*		92	*wide*
Rear leg set side view	*straight*		87	*sickled*
Foot angle	*low angles*		119	*steep angle*
Hocks	*swollen*		103	*clean*
Rear leg set rear view	*toes out*		110	*parallel*
Locomotion	*bad*		110	*good*
Rear udder height	*low*		125	*high*
Suspensory ligament	*weak*		110	*strong*
Teat placement (front)	*wide*		100	*close*
Teat placement (rear)	*wide*		103	*close*
Fore udder attachment	*loose*		105	*tight*
Udder depth	*deep*		104	*shallow*
Teat length	*short*		86	*long*

Daughters/ Herds Conformation: –/ –

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Saturn

pp CDF Glenhaven Saturn

GENOMIC

509109 Born: 29.05.2018

CAN 000013025326

aAa ------

♂ **Sonic** (♂ *Silver*)

♀ Glenhaven Hurricane 2490 GP 82 (♂ **Barcley**)

1/1 La 9989 4.30 430 3.34 334

♀ Blondin TJR Racer Acajou VG 86 (♂ **Racer**)

1/1 La 10684 4.53 484 3.45 369

♀ Woodcrest Mogul Anna GP 82 (♂ **Mogul**)

gRZG

159
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
151	131	120	119	95	101	112	103
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*62 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Saturn

Linear Description		88 – 100 – 112 – 124		509109-Saturn
Dairy Character (Index)			112	
Body (Index)			101	
Feet and legs (Index)			126	
Udder (Index)			129	
RZE (Index)			131	
Stature	*small*		115	*tall*
Dairy character	*little*		109	*angular*
Body depth	*shallow*		102	*deep*
Strength	*narrow*		99	*wide*
Rump angle	*ascending*		95	*sloped*
Rump width	*narrow*		92	*wide*
Rear leg set side view	*straight*		77	*sickled*
Foot angle	*low angles*		120	*steep angle*
Hocks	*swollen*		110	*clean*
Rear leg set rear view	*toes out*		121	*parallel*
Locomotion	*bad*		119	*good*
Rear udder height	*low*		125	*high*
Suspensory ligament	*weak*		102	*strong*
Teat placement (front)	*wide*		112	*close*
Teat placement (rear)	*wide*		109	*close*
Fore udder attachment	*loose*		125	*tight*
Udder depth	*deep*		122	*shallow*
Teat length	*short*		93	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	109	*56 %*
RZudderfit	107	*60 %*
RZhoof	105	*51 %*
RZrepro	111	*52 %*
RZmetabol	104	*54 %*
RZcalfhealth	98	*46 %*
DDcontrol	104	*50 %*
RZRobot	---	-- %

Kappa Casein --
Beta Casein A1/A2

Milk	Fat	Protein
+1607 kg	+0.31 %	+0.04 %
	+97 kg	+58 kg

Reliability 73 %
Daughters –
Herds –

- **Milk & components**
- **Longevity**
- **Udder**

Semino

pp CDF

GENOMIC

811577 Born: 28.03.2016

DEU 001501387474

aAa 342156

♂ **Silver** (♂ *Mogul*)

♀ Balisto 35 GP 82 (♂ **Balisto**)

1 La 10360 3.63 376 3.45 357

♀ De-Su 1837 GP 81 (♂ **Numero Uno**)

1 La 11495 3.48 400 3.27 376

♀ Jill (♂ **Massey**)

gRZG

153
72 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
146	126	117	122	98	93	113	106
75 %	*66 %*	*77 %*	*69 %*	*59 %*	*91 %*	*65 %*	*73 %*

Proof: vit / 08–2019

Semino

Linear Description		88 – 100 – 112 – 124		811577-Semino
Dairy Character (Index)			106	
Body (Index)			109	
Feet and legs (Index)			111	
Udder (Index)			129	
RZE (Index)			126	
Stature	*small*		122	*tall*
Dairy character	*little*		105	*angular*
Body depth	*shallow*		119	*deep*
Strength	*narrow*		113	*wide*
Rump angle	*ascending*		80	*sloped*
Rump width	*narrow*		101	*wide*
Rear leg set side view	*straight*		91	*sickled*
Foot angle	*low angles*		116	*steep angle*
Hocks	*swollen*		94	*clean*
Rear leg set rear view	*toes out*		108	*parallel*
Locomotion	*bad*		108	*good*
Rear udder height	*low*		124	*high*
Suspensory ligament	*weak*		104	*strong*
Teat placement (front)	*wide*		120	*close*
Teat placement (rear)	*wide*		104	*close*
Fore udder attachment	*loose*		123	*tight*
Udder depth	*deep*		122	*shallow*
Teat length	*short*		97	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	108	*61 %*
RZudderfit	106	*64 %*
RZhoof	103	*56 %*
RZrepro	106	*56 %*
RZmetabol	114	*59 %*
RZcalfhealth	112	*78 %*
DDcontrol	94	*56 %*
RZRobot	118	*73 %*

Kappa Casein AB
Beta Casein A2/A2

Milk	Fat	Protein
+1042 kg	+0.37 %	+0.19 %
	+80 kg	+55 kg

Reliability 75 %
Daughters –
Herds –

- **Milk & components**
- **Fits for AMS**
- **Calf health**

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Sepia

pp CDF

797270 Born: 05.06.2018

DEU 000953233501

aAa ------

♂ **Semino** (♂ *Silver*)

♀ Melania VG 87 (♂ **Commander**)

HL 2 11459 4.02 461 3.37 386

♀ Mabelle EX 90 (♂ **Snowflake**)

HL 3 14499 4.31 625 3.31 480

♀ Miriam VG 87 (♂ **Gerard**)

gRZG

160
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
149	137	123	124	99	93	117	107
73 %	*62 %*	*76 %*	*66 %*	*54 %*	*63 %*	*61 %*	*72 %*

Proof: vit / 08–2019

Sepia

Linear Description		88	100	112	124	797270-Sepia	
Dairy Character (Index)						109	
Body (Index)						116	
Feet and legs (Index)						124	
Udder (Index)						133	
RZE (Index)						137	
Stature	*small*					123	*tall*
Dairy character	*little*					106	*angular*
Body depth	*shallow*					121	*deep*
Strength	*narrow*					115	*wide*
Rump angle	*ascending*					89	*sloped*
Rump width	*narrow*					110	*wide*
Rear leg set side view	*straight*					92	*sickled*
Foot angle	*low angles*					112	*steep angle*
Hocks	*swollen*					105	*clean*
Rear leg set rear view	*toes out*					119	*parallel*
Locomotion	*bad*					119	*good*
Rear udder height	*low*					131	*high*
Suspensory ligament	*weak*					105	*strong*
Teat placement (front)	*wide*					109	*close*
Teat placement (rear)	*wide*					102	*close*
Fore udder attachment	*loose*					128	*tight*
Udder depth	*deep*					124	*shallow*
Teat length	*short*					93	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	115	*57 %*
RZudderfit	113	*61 %*
RZhoof	112	*52 %*
RZrepro	107	*53 %*
RZmetabol	112	*55 %*
RZcalfhealth	106	*50 %*
DDcontrol	112	*51 %*
RZRobot	---	-- %

Kappa Casein BB
Beta Casein A1/A2

Milk	Fat	Protein
+732 kg	+0.64 %	+0.30 %
	+93 kg	+54 kg

Reliability 73 %
Daughters –
Herds –

- **Components**
- **Udder**
- **Longevity**

08–2019

genomic

Simon P

Pp* CDF KNS Simon P

685585 Born: 23.02.2018

DEU 000360208999

aAa 324156

♂ **Semino** (♂ *Silver*)

♀ KNS Missboard P (♂ **Board**)

♀ KNS Miss Balista P RDC GP 84 (♂ **Balisto**)

1/1 La 7132 4.44 317 3.39 242

♀ KNS Miss Epic GP 82 (♂ **Epic**)

gRZG

162
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
154	120	120	126	108	109	122	92
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Simon P

Linear Description		88	100	112	124	685585-Simon P	
Dairy Character (Index)						103	
Body (Index)						112	
Feet and legs (Index)						118	
Udder (Index)						113	
RZE (Index)						120	
Stature	*small*					111	*tall*
Dairy character	*little*					102	*angular*
Body depth	*shallow*					110	*deep*
Strength	*narrow*					111	*wide*
Rump angle	*ascending*					94	*sloped*
Rump width	*narrow*					101	*wide*
Rear leg set side view	*straight*					93	*sickled*
Foot angle	*low angles*					107	*steep angle*
Hocks	*swollen*					107	*clean*
Rear leg set rear view	*toes out*					111	*parallel*
Locomotion	*bad*					113	*good*
Rear udder height	*low*					116	*high*
Suspensory ligament	*weak*					105	*strong*
Teat placement (front)	*wide*					108	*close*
Teat placement (rear)	*wide*					103	*close*
Fore udder attachment	*loose*					107	*tight*
Udder depth	*deep*					102	*shallow*
Teat length	*short*					106	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	113	*56 %*
RZudderfit	112	*60 %*
RZhoof	109	*51 %*
RZrepro	111	*52 %*
RZmetabol	106	*55 %*
RZcalfhealth	98	*49 %*
DDcontrol	94	*50 %*
RZRobot	---	-- %

Kappa Casein AB
Beta Casein A2/A2

Milk	Fat	Protein
+1990 kg	+0.06 %	+0.03 %
	+85 kg	+70 kg

Reliability 73 %
Daughters –
Herds –

- **No.1 polled bull**
- **Milk production**
- **Functionality**

08–2019

genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Tarmac

pp* CDF Penn-England Tarmac

GENOMIC

508733 Born: 06.04.2017

USA 003132923826

aAa 234

♂ **King Royal** (♂ *Kingboy*)

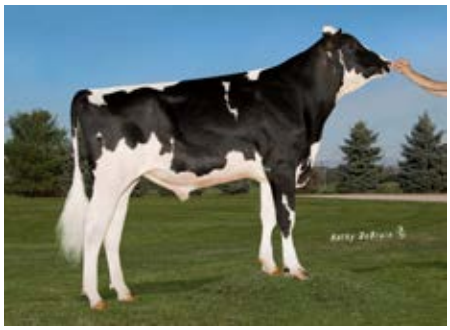
♀ Penn-England Tarmac 11804 (♂ **Supershot**)

HL 2 12521 3.87 485 3.47 435

♀ Penn-England Tarmac 9747 GP 80 (♂ **Maurice**)

HL 3 15200 3.99 606 3.30 502

♀ MS Welcome Iota Tarmac (♂ **Alta Iota**)



Tarmac

gRZG

149
70 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
136	130	110	121	119	98	127	104
74 %	*63 %*	*76 %*	*66 %*	*54 %*	*62 %*	*62 %*	*70 %*

Proof: vit / 08–2019

RZhealth	121	*55 %*
RZudderfit	125	*59 %*
RZhoof	110	*50 %*
RZrepro	111	*51 %*
RZmetabol	107	*53 %*
RZcalfhealth	108	*43 %*
DDcontrol	105	*50 %*
RZRobot	---	-- %

Kappa Casein --
Beta Casein --/--

Milk	Fat	Protein
+1214 kg	-0.01 %	+0.10 %
	+47 kg	+51 kg

Reliability 74 %
Daughters –
Herds –

- **Functionality**
- **Health**
- **Conformation**

Linear Description		88 – 100 – 112 – 124		508733-Tarmac
Dairy Character (Index)			115	
Body (Index)			106	
Feet and legs (Index)			120	
Udder (Index)			129	
RZE (Index)			130	
Stature	*small*		113	*tall*
Dairy character	*little*		116	*angular*
Body depth	*shallow*		97	*deep*
Strength	*narrow*		95	*wide*
Rump angle	*ascending*		93	*sloped*
Rump width	*narrow*		115	*wide*
Rear leg set side view	*straight*		90	*sickled*
Foot angle	*low angles*		110	*steep angle*
Hocks	*swollen*		104	*clean*
Rear leg set rear view	*toes out*		112	*parallel*
Locomotion	*bad*		115	*good*
Rear udder height	*low*		130	*high*
Suspensory ligament	*weak*		109	*strong*
Teat placement (front)	*wide*		109	*close*
Teat placement (rear)	*wide*		104	*close*
Fore udder attachment	*loose*		119	*tight*
Udder depth	*deep*		123	*shallow*
Teat length	*short*		91	*long*

Daughters/ Herds Conformation: –/ –

Tosco

pp CDF

GENOMIC

811604 Born: 22.07.2017

NLD 000685695296

aAa 342156

♂ **Topshot** (♂ *Supershot*)

♀ Ruby-Ann (♂ **Rubicon**)

♀ Regenia VG 86 (♂ **Jabir**)

HL 2 12961 3.93 509 2.68 347

♀ Regenia VG 86 (♂ **Bookem**)

Tosco

gRZG

155
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
143	122	115	125	113	119	121	94
74 %	*61 %*	*76 %*	*66 %*	*53 %*	*62 %*	*62 %*	*70 %*

Proof: vit / 08–2019

RZhealth	118	*55 %*
RZudderfit	109	*59 %*
RZhoof	122	*50 %*
RZrepro	108	*51 %*
RZmetabol	121	*53 %*
RZcalfhealth	115	*46 %*
DDcontrol	130	*49 %*
RZRobot	121	70 %

Kappa Casein --
Beta Casein A1/A2

Milk	Fat	Protein
+887 kg	+0.53 %	+0.15 %
	+89 kg	+46 kg

Reliability 74 %
Daughters –
Herds –

- **Improves health**
- **Calving ease**
- **Fits for AMS**

Linear Description		88 – 100 – 112 – 124		811604-Tosco
Dairy Character (Index)			93	
Body (Index)			105	
Feet and legs (Index)			122	
Udder (Index)			120	
RZE (Index)			122	
Stature	*small*		109	*tall*
Dairy character	*little*		95	*angular*
Body depth	*shallow*		98	*deep*
Strength	*narrow*		106	*wide*
Rump angle	*ascending*		92	*sloped*
Rump width	*narrow*		105	*wide*
Rear leg set side view	*straight*		93	*sickled*
Foot angle	*low angles*		110	*steep angle*
Hocks	*swollen*		100	*clean*
Rear leg set rear view	*toes out*		119	*parallel*
Locomotion	*bad*		119	*good*
Rear udder height	*low*		111	*high*
Suspensory ligament	*weak*		106	*strong*
Teat placement (front)	*wide*		101	*close*
Teat placement (rear)	*wide*		102	*close*
Fore udder attachment	*loose*		118	*tight*
Udder depth	*deep*		117	*shallow*
Teat length	*short*		111	*long*

Daughters/ Herds Conformation: –/ –

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Wunder

pp CDF

GENOMIC

823219 Born: 28.02.2018

NLD 001305720684

aAa 231456

♂ **Windmill** (♂ *Supershot*)

♀ Beckey (♂ **AltaSpring**)

♀ Bayla 2 VG 85 (♂ **Chevrolet**)

1.(204Tage) La 6346 4.49 285 3.58 227

♀ Bayla VG 86 (♂ **Garrett**)

gRZG

150
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
138	118	117	124	115	104	116	99
73 %	*62 %*	*75 %*	*66 %*	*54 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Wunder

Linear Description		88 – 100 – 112 – 124 (823219-Wunder)		
Dairy Character (Index)			107	
Body (Index)			105	
Feet and legs (Index)			117	
Udder (Index)			113	
RZE (Index)			118	
Stature	*small*		109	*tall*
Dairy character	*little*		106	*angular*
Body depth	*shallow*		99	*deep*
Strength	*narrow*		103	*wide*
Rump angle	*ascending*		85	*sloped*
Rump width	*narrow*		109	*wide*
Rear leg set side view	*straight*		100	*sickled*
Foot angle	*low angles*		104	*steep angle*
Hocks	*swollen*		110	*clean*
Rear leg set rear view	*toes out*		109	*parallel*
Locomotion	*bad*		115	*good*
Rear udder height	*low*		105	*high*
Suspensory ligament	*weak*		109	*strong*
Teat placement (front)	*wide*		118	*close*
Teat placement (rear)	*wide*		119	*close*
Fore udder attachment	*loose*		113	*tight*
Udder depth	*deep*		110	*shallow*
Teat length	*short*		89	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	123	*56 %*
RZudderfit	120	*60 %*
RZhoof	121	*50 %*
RZrepro	111	*52 %*
RZmetabol	111	*54 %*
RZcalfhealth	107	*46 %*
DDcontrol	126	*50 %*
RZRobot	---	-- %

Kappa Casein BB
Beta Casein A2/A2

Milk	Fat	Protein
+1253 kg	+0.03 %	+0.11 %
	+53 kg	+53 kg

Reliability 73 %
Daughters –
Herds –

- **Improves health**
- **Functionality**
- **A2/A2 & BB**

08–2019

genomic

Youngster

pp CDF

GENOMIC

823218 Born: 12.02.2018

DEU 000360574938

aAa 243651

♂ **Yoyo** (♂ *Tailor*)

♀ Bell VG 85 (♂ **Afterburner**)

100T 3369 3.98 134 3.32 112

♀ Mar Belami GP 84 (♂ **Balisto**)

1 La 7399 5.11 378 4.10 303

♀ Bell VG 87 (♂ **Grafeeti**)

gRZG

157
68 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
148	116	113	125	117	101	106	103
73 %	*61 %*	*75 %*	*66 %*	*52 %*	*62 %*	*60 %*	*70 %*

Proof: vit / 08–2019

Youngster

Linear Description		88 – 100 – 112 – 124 (823218-Youngster)		
Dairy Character (Index)			110	
Body (Index)			104	
Feet and legs (Index)			111	
Udder (Index)			114	
RZE (Index)			116	
Stature	*small*		116	*tall*
Dairy character	*little*		111	*angular*
Body depth	*shallow*		101	*deep*
Strength	*narrow*		101	*wide*
Rump angle	*ascending*		108	*sloped*
Rump width	*narrow*		107	*wide*
Rear leg set side view	*straight*		93	*sickled*
Foot angle	*low angles*		108	*steep angle*
Hocks	*swollen*		107	*clean*
Rear leg set rear view	*toes out*		104	*parallel*
Locomotion	*bad*		105	*good*
Rear udder height	*low*		115	*high*
Suspensory ligament	*weak*		108	*strong*
Teat placement (front)	*wide*		96	*close*
Teat placement (rear)	*wide*		97	*close*
Fore udder attachment	*loose*		108	*tight*
Udder depth	*deep*		110	*shallow*
Teat length	*short*		96	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	116	*54 %*
RZudderfit	118	*58 %*
RZhoof	106	*49 %*
RZrepro	110	*50 %*
RZmetabol	112	*52 %*
RZcalfhealth	96	*44 %*
DDcontrol	98	*48 %*
RZRobot	114	70 %

Kappa Casein BB
Beta Casein A1/A2

Milk	Fat	Protein
+1111 kg	+0.36 %	+0.22 %
	+81 kg	+60 kg

Reliability 73 %
Daughters –
Herds –

- **Milk & components**
- **Functionality**
- **Fits for AMS**

08–2019

genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

08–2019

Apoll P

Pp* CDF Schreur Apoll P

Daughter Proven

924726 Born: 15.01.2014

NLD 000762042012

aAa 243615

♂ **Aikman RDC** *(♂ Snowman)*

♀ Ri-Val-Re Candlelight P VG 86 *(♂ **Lawn Boy P**)*

HL 2 11418 3.99 456 3.14 359

♀ Ri-Val-Re Caralie RDC VG 87 *(♂ **Shottle**)*

1 La 15272 4.90 749 3.20 489

♀ MS Ri-Val-Re Selsy RDC VG 87 *(♂ **Marmax RDC**)*

Dibaba VG 85

RZG

146 *95 %*

High Reliability >90%

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
149	114	118	119	81	103	110	77
99 %	*98 %*	*99 %*	*84 %*	*87 %*	*98 %*	*96 %*	*97 %*

Proof: vit / 08–2019

Linear Description	88 – 100 – 112 – 124	924726-Apoll P
Dairy Character (Index)		132
Body (Index)		106
Feet and legs (Index)		98
Udder (Index)		114
RZE (Index)		114

Stature	*small*	116	*tall*
Dairy character	*little*	131	*angular*
Body depth	*shallow*	112	*deep*
Strength	*narrow*	95	*wide*
Rump angle	*ascending*	106	*sloped*
Rump width	*narrow*	96	*wide*
Rear leg set side view	*straight*	111	*sickled*
Foot angle	*low angles*	98	*steep angle*
Hocks	*swollen*	97	*clean*
Rear leg set rear view	*toes out*	95	*parallel*
Locomotion	*bad*	102	*good*
Rear udder height	*low*	121	*high*
Suspensory ligament	*weak*	105	*strong*
Teat placement (front)	*wide*	117	*close*
Teat placement (rear)	*wide*	126	*close*
Fore udder attachment	*loose*	108	*tight*
Udder depth	*deep*	103	*shallow*
Teat length	*short*	91	*long*

Daughters/ Herds Conformation: 1063/ 483

RZhealth	105	*83 %*
RZudderfit	106	*86 %*
RZhoof	103	*81 %*
RZrepro	105	*76 %*
RZmetabol	96	*83 %*
RZcalfhealth	112	*95 %*
DDcontrol	97	*85 %*
RZRobot	---	-- %

Kappa Casein BB
Beta Casein A2B

Milk	Fat	Protein
+2549 kg	-0.44 %	-0.13 %
	+59 kg	+73 kg

Reliability 99 %
Daughters 2240
Herds 1014

- **Milk production**
- **Calf health**
- **Longevity**

08–2019

Fireman

pp CDF

Daughter Proven

588672 Born: 19.01.2014

DEU 000121389344

aAa 432561

♂ **Fageno** *(♂ Fidji)*

♀ Snowmassia VG 88 *(♂ **Snowman**)*

HL 2 15716 3.86 607 3.10 487

♀ Massia 102 EX 90 *(♂ **Shottle**)*

HL 3 14564 3.54 516 3.15 459

♀ Massia 21 EX 90 *(♂ **Lentini RF**)*

Tinella

RZG

139 *94 %*

High Reliability >90%

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
142	105	114	114	92	94	107	99
99 %	*97 %*	*99 %*	*78 %*	*88 %*	*99 %*	*97 %*	*94 %*

Proof: vit / 08–2019

Linear Description	88 – 100 – 112 – 124	588672-Fireman
Dairy Character (Index)		115
Body (Index)		101
Feet and legs (Index)		98
Udder (Index)		105
RZE (Index)		105

Stature	*small*	103	*tall*
Dairy character	*little*	115	*angular*
Body depth	*shallow*	96	*deep*
Strength	*narrow*	94	*wide*
Rump angle	*ascending*	106	*sloped*
Rump width	*narrow*	104	*wide*
Rear leg set side view	*straight*	101	*sickled*
Foot angle	*low angles*	109	*steep angle*
Hocks	*swollen*	96	*clean*
Rear leg set rear view	*toes out*	97	*parallel*
Locomotion	*bad*	95	*good*
Rear udder height	*low*	104	*high*
Suspensory ligament	*weak*	100	*strong*
Teat placement (front)	*wide*	123	*close*
Teat placement (rear)	*wide*	130	*close*
Fore udder attachment	*loose*	104	*tight*
Udder depth	*deep*	109	*shallow*
Teat length	*short*	89	*long*

Daughters/ Herds Conformation: 601/ 257

RZhealth	104	*76 %*
RZudderfit	103	*80 %*
RZhoof	100	*72 %*
RZrepro	108	*70 %*
RZmetabol	105	*80 %*
RZcalfhealth	114	*96 %*
DDcontrol	93	*76 %*
RZRobot	---	-- %

Kappa Casein --
Beta Casein A1/A2

Milk	Fat	Protein
+1973 kg	-0.01 %	-0.20 %
	+80 kg	+47 kg

Reliability 99 %
Daughters 2584
Herds 901

- **Milk production**
- **Calf health**
- **Longevity**

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Snake Red

pp CDF HaH Snake Red

Daughter Proven

823079 Born: 12.02.2013

DEU 000120938390

aAa 234156

♂ **Snow RF** (♂ *Snowman*)

♀ HaH Destiny VG 86 (♂ **Destry**)
1 La 9731 3.68 358 3.32 323

♀ HaH Lovestory VG 86 (♂ **Ralstorm**)
HL 1 9600 3.86 371 3.24 311

♀ HaH NOG Honeymoon VG 87 (♂ **Talent2**)

Schnucki VG 85 - 1 La

RZG

131 *97 %*

High Reliability >90%

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
137	120	98	102	85	116	96	99
99 %	*98 %*	*99 %*	*94 %*	*94 %*	*99 %*	*98 %*	*94 %*

Proof: vit / 08–2019

Linear Description	88 – 100 – 112 – 124 (823079-Snake Red)
Dairy Character (Index)	111
Body (Index)	108
Feet and legs (Index)	101
Udder (Index)	126
RZE (Index)	120

Stature	*small*	123	*tall*
Dairy character	*little*	109	*angular*
Body depth	*shallow*	101	*deep*
Strength	*narrow*	102	*wide*
Rump angle	*ascending*	105	*sloped*
Rump width	*narrow*	111	*wide*
Rear leg set side view	*straight*	115	*sickled*
Foot angle	*low angles*	93	*steep angle*
Hocks	*swollen*	103	*clean*
Rear leg set rear view	*toes out*	98	*parallel*
Locomotion	*bad*	106	*good*
Rear udder height	*low*	114	*high*
Suspensory ligament	*weak*	106	*strong*
Teat placement (front)	*wide*	115	*close*
Teat placement (rear)	*wide*	108	*close*
Fore udder attachment	*loose*	114	*tight*
Udder depth	*deep*	122	*shallow*
Teat length	*short*	109	*long*

Daughters/ Herds Conformation: 907/ 316

RZhealth	105	*91 %*
RZudderfit	104	*93 %*
RZhoof	111	*91 %*
RZrepro	97	*86 %*
RZmetabol	101	*88 %*
RZcalfhealth	105	*96 %*
DDcontrol	106	*93 %*
RZRobot	---	-- %

Kappa Casein AA
Beta Casein A1/A1

Milk	Fat	Protein
+1419 kg	-0.17 %	+0.07 %
	+42 kg	+55 kg

Reliability 99 %
Daughters 4114
Herds 1213

- **Calving ease**
- **Udder**
- **Milk production**

Defago Red

pp CDF

Daughter Proven

588679 Born: 17.02.2014

NLD 000543415259

aAa 234165

♂ **Fageno** (♂ *Fidji*)

♀ Froukje 40 VG 87 (♂ **Destry**)
1 La 9956 3.73 371 3.37 336

♀ Froukje 376 VG 88 (♂ **Shottle**)
HL 2 12345 4.03 498 3.45 426

♀ Froukje 339 VG 86 (♂ **Champion**)

Udela GP 83

RZG

134 *82 %*

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
132	115	95	109	113	98	123	105
93 %	*82 %*	*89 %*	*52 %*	*61 %*	*85 %*	*79 %*	*85 %*

Proof: vit / 08–2019

Linear Description	88 – 100 – 112 – 124 (588679-Defago Red)
Dairy Character (Index)	119
Body (Index)	101
Feet and legs (Index)	97
Udder (Index)	122
RZE (Index)	115

Stature	*small*	125	*tall*
Dairy character	*little*	117	*angular*
Body depth	*shallow*	104	*deep*
Strength	*narrow*	91	*wide*
Rump angle	*ascending*	122	*sloped*
Rump width	*narrow*	105	*wide*
Rear leg set side view	*straight*	106	*sickled*
Foot angle	*low angles*	104	*steep angle*
Hocks	*swollen*	99	*clean*
Rear leg set rear view	*toes out*	93	*parallel*
Locomotion	*bad*	97	*good*
Rear udder height	*low*	112	*high*
Suspensory ligament	*weak*	115	*strong*
Teat placement (front)	*wide*	102	*close*
Teat placement (rear)	*wide*	115	*close*
Fore udder attachment	*loose*	114	*tight*
Udder depth	*deep*	123	*shallow*
Teat length	*short*	101	*long*

Daughters/ Herds Conformation: 65/ 31

RZhealth	103	*60 %*
RZudderfit	96	*62 %*
RZhoof	102	*58 %*
RZrepro	115	*58 %*
RZmetabol	99	*58 %*
RZcalfhealth	103	*70 %*
DDcontrol	96	*58 %*
RZRobot	---	-- %

Kappa Casein AA
Beta Casein --/--

Milk	Fat	Protein
+706 kg	+0.36 %	+0.12 %
	+62 kg	+35 kg

Reliability 93 %
Daughters 160
Herds 86

- **Daughter fertility**
- **Udder**
- **Components**

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

08–2019

Laser PP

PP* CDF WIL Laser PP

Daughter Proven

Homozygous polled

917552 Born: 05.10.2014

DEU 000538665075

aAa 234156

♂ **Label P** (♂ *Ladd P*)

♀ WIL Kylie P VG 86 (♂ **Ladd P**)

1 La 8771 4.21 369 3.99 350

♀ WIL Kanu RDC VG 88 (♂ **Snowman**)

HL 2 13608 4.06 553 3.29 448

♀ WIL Kairo RDC VG 89 (♂ **Shottle**)

RZG

131

75 %

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
123	118	116	120	101	106	103	98
85 %	*75 %*	*83 %*	*41 %*	*60 %*	*93 %*	*72 %*	*78 %*

Proof: vit / 08–2019

Laser PP

RZhealth	110	*58 %*
RZudderfit	112	*58 %*
RZhoof	110	*58 %*
RZrepro	102	*56 %*
RZmetabol	93	*53 %*
RZcalfhealth	108	*83 %*
DDcontrol	111	*58 %*
RZRobot	---	-- %

Kappa Casein AA
Beta Casein --/--

Milk	Fat	Protein
+618 kg	+0.02 %	+0.14 %
	+28 kg	+33 kg

Reliability 85 %
Daughters 45
Herds 33

- **Homozygous polled**
- **Longevity**
- **Improves health**

Linear Description		88	100	112	124	917552-Laser PP	
Dairy Character (Index)						118	
Body (Index)						104	
Feet and legs (Index)						117	
Udder (Index)						111	
RZE (Index)						118	
Stature	*small*					118	*tall*
Dairy character	*little*					115	*angular*
Body depth	*shallow*					103	*deep*
Strength	*narrow*					97	*wide*
Rump angle	*ascending*					103	*sloped*
Rump width	*narrow*					99	*wide*
Rear leg set side view	*straight*					86	*sickled*
Foot angle	*low angles*					103	*steep angle*
Hocks	*swollen*					108	*clean*
Rear leg set rear view	*toes out*					110	*parallel*
Locomotion	*bad*					113	*good*
Rear udder height	*low*					109	*high*
Suspensory ligament	*weak*					104	*strong*
Teat placement (front)	*wide*					102	*close*
Teat placement (rear)	*wide*					111	*close*
Fore udder attachment	*loose*					103	*tight*
Udder depth	*deep*					110	*shallow*
Teat length	*short*					95	*long*

Daughters/ Herds Conformation: 22/ 19

polled

08–2019

Present

pp CDF ST Present

Daughter Proven

917580 Born: 18.02.2014

DEU 000538324080

aAa 243156

♂ **Perfect Aiko RDC** (♂ *Freddie*)

♀ ST Lara RDC GP 84 (♂ **Logan**)

HL 3 13243 4.13 547 3.37 446

♀ ST Lisa RDC VG 86 (♂ **Dominator**)

HL 6 10312 4.33 447 3.48 359

♀ Lisella VG 87 (♂ **Loudhoeve**)

RZG

143

82 %

RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
148	118	102	111	87	106	103	109
92 %	*82 %*	*89 %*	*54 %*	*63 %*	*90 %*	*74 %*	*84 %*

Proof: vit / 08–2019

ST Alwine

RZhealth	104	*57 %*
RZudderfit	98	*59 %*
RZhoof	111	*56 %*
RZrepro	103	*56 %*
RZmetabol	99	*59 %*
RZcalfhealth	82	*79 %*
DDcontrol	124	*56 %*
RZRobot	---	-- %

Kappa Casein --
Beta Casein A2/A2

Milk	Fat	Protein
+1361 kg	+0.37 %	+0.07 %
	+92 kg	+53 kg

Reliability 92 %
Daughters 160
Herds 81

- **DDcontrol**
- **Milk production**
- **Fat %**

Linear Description		88	100	112	124	917580-Present	
Dairy Character (Index)						110	
Body (Index)						107	
Feet and legs (Index)						115	
Udder (Index)						113	
RZE (Index)						118	
Stature	*small*					100	*tall*
Dairy character	*little*					106	*angular*
Body depth	*shallow*					101	*deep*
Strength	*narrow*					101	*wide*
Rump angle	*ascending*					96	*sloped*
Rump width	*narrow*					109	*wide*
Rear leg set side view	*straight*					107	*sickled*
Foot angle	*low angles*					108	*steep angle*
Hocks	*swollen*					106	*clean*
Rear leg set rear view	*toes out*					101	*parallel*
Locomotion	*bad*					115	*good*
Rear udder height	*low*					115	*high*
Suspensory ligament	*weak*					110	*strong*
Teat placement (front)	*wide*					112	*close*
Teat placement (rear)	*wide*					118	*close*
Fore udder attachment	*loose*					105	*tight*
Udder depth	*deep*					106	*shallow*
Teat length	*short*					92	*long*

Daughters/ Herds Conformation: 68/ 27

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Acryl PP

PP CDF

997313 Born: 27.02.2018

DEU 000360385780

aAa ------

GENOMIC

Homozygous polled

♂ **Abi Red PP** (♂ *Apoll P*)

♀ Andora GP 83 (♂ **Battlecry**)

1 La 10544 4.25 448 3.58 377

♀ Amulette VG 87 (♂ **Jacey**)

HL 2 13546 2.97 402 3.65 495

♀ All P Red VG 86 (♂ **Colt-P**)

gRZG

146

69 %

Acryl PP

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
144	117	105	120	100	105	100	102
73 %	62 %	76 %	66 %	53 %	63 %	61 %	71 %

Proof: vit / 08–2019

Linear Description	88 – 100 – 112 – 124	997313-Acryl PP
Dairy Character (Index)		118
Body (Index)		109
Feet and legs (Index)		104
Udder (Index)		117
RZE (Index)		117

Stature	*small*	119	*tall*
Dairy character	*little*	116	*angular*
Body depth	*shallow*	112	*deep*
Strength	*narrow*	99	*wide*
Rump angle	*ascending*	97	*sloped*
Rump width	*narrow*	105	*wide*
Rear leg set side view	*straight*	99	*sickled*
Foot angle	*low angles*	111	*steep angle*
Hocks	*swollen*	101	*clean*
Rear leg set rear view	*toes out*	95	*parallel*
Locomotion	*bad*	101	*good*
Rear udder height	*low*	109	*high*
Suspensory ligament	*weak*	107	*strong*
Teat placement (front)	*wide*	105	*close*
Teat placement (rear)	*wide*	107	*close*
Fore udder attachment	*loose*	113	*tight*
Udder depth	*deep*	115	*shallow*
Teat length	*short*	92	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	107	*56 %*
RZudderfit	105	*60 %*
RZhoof	106	*51 %*
RZrepro	108	*52 %*
RZmetabol	97	*54 %*
RZcalfhealth	103	*48 %*
DDcontrol	98	*50 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A2/A2

Milk	Fat	Protein
+1364 kg	+0.26 %	+0.04 %
	+81 kg	+51 kg

Reliability	73 %
Daughters	–
Herds	–

- **Longevity**
- **A2/A2**
- **Milk production**

08–2019

polled

Broker PP

PP* CDF

917620 Born: 02.05.2018

DEU 000540483226

aAa 243165

GENOMIC

Homozygous polled

♂ **Born P RDC** (♂ *Battlecry*)

♀ Roxy 232 P (♂ **Blue P RDC**)

58T 1870 3.96 74 2.99 56

♀ Roxy 846 VG 87 (♂ **Sympatico RDC**)

HL 3 13482 3.59 484 3.14 424

♀ Roxy EX 90 (♂ **Super**)

gRZG

149

69 %

Broker PP

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
144	119	103	120	103	108	114	102
73 %	62 %	75 %	66 %	53 %	62 %	61 %	70 %

Proof: vit / 08–2019

Linear Description	88 – 100 – 112 – 124	917620-Broker PP
Dairy Character (Index)		109
Body (Index)		96
Feet and legs (Index)		113
Udder (Index)		122
RZE (Index)		119

Stature	*small*	119	*tall*
Dairy character	*little*	109	*angular*
Body depth	*shallow*	98	*deep*
Strength	*narrow*	98	*wide*
Rump angle	*ascending*	122	*sloped*
Rump width	*narrow*	94	*wide*
Rear leg set side view	*straight*	107	*sickled*
Foot angle	*low angles*	104	*steep angle*
Hocks	*swollen*	106	*clean*
Rear leg set rear view	*toes out*	113	*parallel*
Locomotion	*bad*	108	*good*
Rear udder height	*low*	111	*high*
Suspensory ligament	*weak*	118	*strong*
Teat placement (front)	*wide*	103	*close*
Teat placement (rear)	*wide*	111	*close*
Fore udder attachment	*loose*	116	*tight*
Udder depth	*deep*	116	*shallow*
Teat length	*short*	118	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	109	*56 %*
RZudderfit	106	*60 %*
RZhoof	108	*50 %*
RZrepro	107	*52 %*
RZmetabol	112	*54 %*
RZcalfhealth	108	*47 %*
DDcontrol	99	*50 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A2/A2

Milk	Fat	Protein
+1658 kg	+0.10 %	-0.04 %
	+78 kg	+52 kg

Reliability	73 %
Daughters	–
Herds	–

- **Milk production**
- **Calving ease**
- **A2/A2**

08–2019

polled

Larbick PP

PP* CDF EHS Larbick

GENOMIC

Homozygous polled

924759 Born: 23.01.2018

DEU 000667034429

aAa 234156

♂ **Lucky-PP** *(♂ Jax P RDC)*

♀ EHS Snow Anna P VG 85 *(♂ **Apoll P**)*

1/1 La 9380 3.21 301 3.26 306

♀ BOP Snowlady P VG 88 *(♂ **Chipper P RDC**)*

HL 3 11874 3.82 453 3.35 398

♀ Snow Missi RDC EX 90 *(♂ **Snowman**)*

gRZG

143

69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
128	135	121	126	94	111	109	97
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Larbick PP

Linear Description		88 – 100 – 112 – 124 (924759-Larbick PP)		
Dairy Character (Index)			118	
Body (Index)			94	
Feet and legs (Index)			100	
Udder (Index)			158	
RZE (Index)			135	
Stature	*small*		117	*tall*
Dairy character	*little*		115	*angular*
Body depth	*shallow*		93	*deep*
Strength	*narrow*		88	*wide*
Rump angle	*ascending*		100	*sloped*
Rump width	*narrow*		88	*wide*
Rear leg set side view	*straight*		98	*sickled*
Foot angle	*low angles*		103	*steep angle*
Hocks	*swollen*		96	*clean*
Rear leg set rear view	*toes out*		97	*parallel*
Locomotion	*bad*		100	*good*
Rear udder height	*low*		150	*high*
Suspensory ligament	*weak*		104	*strong*
Teat placement (front)	*wide*		117	*close*
Teat placement (rear)	*wide*		107	*close*
Fore udder attachment	*loose*		141	*tight*
Udder depth	*deep*		148	*shallow*
Teat length	*short*		109	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	121	*56 %*
RZudderfit	123	*60 %*
RZhoof	112	*51 %*
RZrepro	109	*52 %*
RZmetabol	114	*54 %*
RZcalfhealth	125	*46 %*
DDcontrol	104	*50 %*

RZRobot	---	-- %

Kappa Casein	--
Beta Casein	A2/A2

Milk	Fat	Protein
+1145 kg	-0.07 %	-0.02 %
	+41 kg	+37 kg

Reliability	73 %
Daughters	–
Herds	–

- **Udder**
- **Improves health**
- **Calf health**

08–2019

polled

Lumumba PP

PP* CDF

GENOMIC

Homozygous polled

924755 Born: 14.10.2017

DEU 000667171024

aAa 324165

♂ **Lucky-PP** *(♂ Jax P RDC)*

♀ Nazumba PP RDC VG 85 *(♂ **Zumba P**)*

1/1 La 8552 3.67 314 3.72 318

♀ Naropa PP VG 86 *(♂ **Parma PP**)*

HL 3 10177 4.32 440 3.77 384

♀ Naron P RDC VG 88 *(♂ **Laron P**)*

gRZG

138

69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
122	134	118	122	105	122	115	101
73 %	*62 %*	*76 %*	*66 %*	*52 %*	*63 %*	*60 %*	*71 %*

Proof: vit / 08–2019

Lumumba PP

Linear Description		88 – 100 – 112 – 124 (924755-Lumumba PP)		
Dairy Character (Index)			108	
Body (Index)			103	
Feet and legs (Index)			116	
Udder (Index)			142	
RZE (Index)			134	
Stature	*small*		111	*tall*
Dairy character	*little*		104	*angular*
Body depth	*shallow*		98	*deep*
Strength	*narrow*		103	*wide*
Rump angle	*ascending*		85	*sloped*
Rump width	*narrow*		100	*wide*
Rear leg set side view	*straight*		91	*sickled*
Foot angle	*low angles*		101	*steep angle*
Hocks	*swollen*		107	*clean*
Rear leg set rear view	*toes out*		111	*parallel*
Locomotion	*bad*		114	*good*
Rear udder height	*low*		133	*high*
Suspensory ligament	*weak*		110	*strong*
Teat placement (front)	*wide*		102	*close*
Teat placement (rear)	*wide*		100	*close*
Fore udder attachment	*loose*		130	*tight*
Udder depth	*deep*		138	*shallow*
Teat length	*short*		102	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	114	*55 %*
RZudderfit	120	*59 %*
RZhoof	102	*50 %*
RZrepro	104	*51 %*
RZmetabol	110	*53 %*
RZcalfhealth	112	*46 %*
DDcontrol	95	*49 %*

RZRobot	125	70 %

Kappa Casein	AB
Beta Casein	A2/A2

Milk	Fat	Protein
+528 kg	+0.09 %	+0.14 %
	+30 kg	+30 kg

Reliability	73 %
Daughters	–
Herds	–

- **Calving ease**
- **Udder**
- **Fits for AMS**

08–2019

polled

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Moment PP

PP* CDF Caudumer Moment PP

GENOMIC

Homozygous polled

917640 Born: 20.05.2018

NLD 000562260003

aAa 345216

♂ **Moscato P** (♂ *Brasil RDC*)

♀ Caudumer Lol 392 P RDC VG 86 (♂ **Silver**)

160T 4892 4.80 235 3.29 161

♀ Caudumer Lol 292 VG 87 (♂ **Lawn Boy P**)

HL 3 12240 5.11 625 3.79 464

♀ Caudumer Lol 241 VG 87 (♂ **Stadel**)

gRZG

143
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
131	134	123	116	100	106	105	103
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*62 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Moment PP

RZhealth	108	*56 %*
RZudderfit	106	*60 %*
RZhoof	103	*50 %*
RZrepro	112	*51 %*
RZmetabol	110	*54 %*
RZcalfhealth	117	*45 %*
DDcontrol	97	*50 %*
RZRobot	130	*70 %*

Kappa Casein AB
Beta Casein A1/A2

Milk	Fat	Protein
+673 kg	+0.46 %	+0.07 %
	+69 kg	+30 kg

Reliability 73 %
Daughters –
Herds –

- **Udder and feet & legs**
- **Fits for AMS**
- **Calf health**

Linear Description		88 – 100 – 112 – 124		
Dairy Character (Index)			106	
Body (Index)			104	
Feet and legs (Index)			129	
Udder (Index)			131	
RZE (Index)			134	
Stature	*small*		118	*tall*
Dairy character	*little*		107	*angular*
Body depth	*shallow*		107	*deep*
Strength	*narrow*		107	*wide*
Rump angle	*ascending*		88	*sloped*
Rump width	*narrow*		93	*wide*
Rear leg set side view	*straight*		92	*sickled*
Foot angle	*low angles*		115	*steep angle*
Hocks	*swollen*		95	*clean*
Rear leg set rear view	*toes out*		135	*parallel*
Locomotion	*bad*		123	*good*
Rear udder height	*low*		119	*high*
Suspensory ligament	*weak*		104	*strong*
Teat placement (front)	*wide*		110	*close*
Teat placement (rear)	*wide*		99	*close*
Fore udder attachment	*loose*		128	*tight*
Udder depth	*deep*		126	*shallow*
Teat length	*short*		101	*long*

917640-Moment PP

Daughters/ Herds Conformation: –/ –

08–2019

polled

Rambo PP

PP* CDF Groenibo Rambo PP

GENOMIC

Homozygous polled

587537 Born: 13.11.2017

NLD 000687404238

aAa 432516

♂ **Rumba P** (♂ *Silver*)

♀ Jane P (♂ **PowerPlay**)

1 La 8170 4.77 390 3.71 303

♀ Jane VG 85 (♂ **Stellando**)

HL 3 13999 4.47 626 3.53 494

♀ Jane 62 VG 85 (♂ **Brilliant**)

gRZG

141
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
140	119	105	106	105	112	108	99
73 %	*61 %*	*75 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Rambo PP

RZhealth	104	*56 %*
RZudderfit	101	*60 %*
RZhoof	100	*50 %*
RZrepro	110	*51 %*
RZmetabol	108	*54 %*
RZcalfhealth	107	*45 %*
DDcontrol	94	*50 %*
RZRobot	112	*70 %*

Kappa Casein AB
Beta Casein A2/A2

Milk	Fat	Protein
+1358 kg	+0.01 %	+0.09 %
	+57 kg	+55 kg

Reliability 73 %
Daughters –
Herds –

- **Fits for AMS**
- **Calving ease**
- **Udder**

Linear Description		88 – 100 – 112 – 124		
Dairy Character (Index)			103	
Body (Index)			100	
Feet and legs (Index)			110	
Udder (Index)			124	
RZE (Index)			119	
Stature	*small*		115	*tall*
Dairy character	*little*		105	*angular*
Body depth	*shallow*		104	*deep*
Strength	*narrow*		104	*wide*
Rump angle	*ascending*		126	*sloped*
Rump width	*narrow*		103	*wide*
Rear leg set side view	*straight*		100	*sickled*
Foot angle	*low angles*		113	*steep angle*
Hocks	*swollen*		93	*clean*
Rear leg set rear view	*toes out*		110	*parallel*
Locomotion	*bad*		108	*good*
Rear udder height	*low*		118	*high*
Suspensory ligament	*weak*		105	*strong*
Teat placement (front)	*wide*		104	*close*
Teat placement (rear)	*wide*		106	*close*
Fore udder attachment	*loose*		116	*tight*
Udder depth	*deep*		119	*shallow*
Teat length	*short*		107	*long*

587537-Rambo PP

Daughters/ Herds Conformation: –/ –

08–2019

polled

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Ansporn

pp CDF Groenibo Ansporn

GENOMIC

917634 Born: 02.07.2018

DEU 000967305653

aAa 243156

♂ **Anreli** (♂ *Riverboy*)

♀ Jane 177 (♂ **Jetset**)

♀ Jane VG 85 (♂ **Stellando**)

HL 3 13999 4.47 626 3.53 494

♀ Jane 62 VG 85 (♂ **Brilliant**)

gRZG

149
68 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
129	126	129	132	107	115	107	102
73 %	*61 %*	*75 %*	*66 %*	*52 %*	*63 %*	*60 %*	*70 %*

Proof: vit / 08–2019

Ansporn

RZhealth	119	*55 %*
RZudderfit	117	*59 %*
RZhoof	113	*49 %*
RZrepro	112	*51 %*
RZmetabol	118	*53 %*
RZcalfhealth	118	*45 %*
DDcontrol	108	*49 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A2/A2

Milk	Fat	Protein
+1148 kg	-0.07 %	±0.00 %
	+41 kg	+40 kg

Reliability	73 %
Daughters	–
Herds	–

- **Udder fitness**
- **Calf health**
- **Improves health**

Linear Description		88 – 100 – 112 – 124 (917634-Ansporn)		
Dairy Character (Index)			90	
Body (Index)			92	
Feet and legs (Index)			128	
Udder (Index)			129	
RZE (Index)			126	
Stature	*small*		94	*tall*
Dairy character	*little*		89	*angular*
Body depth	*shallow*		89	*deep*
Strength	*narrow*		102	*wide*
Rump angle	*ascending*		91	*sloped*
Rump width	*narrow*		89	*wide*
Rear leg set side view	*straight*		73	*sickled*
Foot angle	*low angles*		118	*steep angle*
Hocks	*swollen*		110	*clean*
Rear leg set rear view	*toes out*		119	*parallel*
Locomotion	*bad*		124	*good*
Rear udder height	*low*		119	*high*
Suspensory ligament	*weak*		107	*strong*
Teat placement (front)	*wide*		116	*close*
Teat placement (rear)	*wide*		109	*close*
Fore udder attachment	*loose*		123	*tight*
Udder depth	*deep*		121	*shallow*
Teat length	*short*		100	*long*

Daughters/ Herds Conformation: –/ –

Frisk Red

pp CDF Poppe Frisk Red

GENOMIC

156600 Born: 08.12.2017

NLD 000681815302

aAa 432561

♂ **Pace Red** (♂ *Pat-Red*)

♀ Poppe Fienchen 1134 GP 84 (♂ **Silver**)

2/1 La 12119 4.38 531 3.46 419

♀ Poppe Fienchen 803 VG 86 (♂ **Danillo**)

HL 3 15024 4.22 634 3.56 535

♀ Poppe Fienchen 580 VG 89 (♂ **Stol Joc**)

gRZG

151
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
144	130	105	114	113	100	111	105
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*64 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Frisk Red

RZhealth	104	*56 %*
RZudderfit	101	*60 %*
RZhoof	100	*51 %*
RZrepro	110	*52 %*
RZmetabol	107	*54 %*
RZcalfhealth	108	*49 %*
DDcontrol	91	*50 %*

RZRobot	113	70 %

Kappa Casein	AB
Beta Casein	A2/A2

Milk	Fat	Protein
+1238 kg	+0.19 %	+0.15 %
	+70 kg	+57 kg

Reliability	73 %
Daughters	–
Herds	–

- **Milk & components**
- **Udder**
- **A2/A2**

Linear Description		88 – 100 – 112 – 124 (156600-Frisk Red)		
Dairy Character (Index)			110	
Body (Index)			113	
Feet and legs (Index)			115	
Udder (Index)			130	
RZE (Index)			130	
Stature	*small*		125	*tall*
Dairy character	*little*		109	*angular*
Body depth	*shallow*		101	*deep*
Strength	*narrow*		107	*wide*
Rump angle	*ascending*		104	*sloped*
Rump width	*narrow*		120	*wide*
Rear leg set side view	*straight*		81	*sickled*
Foot angle	*low angles*		122	*steep angle*
Hocks	*swollen*		95	*clean*
Rear leg set rear view	*toes out*		115	*parallel*
Locomotion	*bad*		112	*good*
Rear udder height	*low*		132	*high*
Suspensory ligament	*weak*		109	*strong*
Teat placement (front)	*wide*		111	*close*
Teat placement (rear)	*wide*		105	*close*
Fore udder attachment	*loose*		115	*tight*
Udder depth	*deep*		122	*shallow*
Teat length	*short*		94	*long*

Daughters/ Herds Conformation: –/ –

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Gonzales

pp CDF

GENOMIC

587546 Born: 03.03.2017

DNK 000000299979

aAa 243165

♂ **Great** (♂ *Go Now RF*)

♀ Saigon Red GP 84 (♂ **Brekem RDC**)

1 La 10476 3.51 368 3.64 381

♀ Samara VG 85 (♂ **Alchemy**)

1 La 12121 3.61 437 3.39 411

♀ Sammy VG 85 (♂ **Gerard**)

gRZG

154
70 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
149	118	117	119	106	113	118	109
74 %	*64 %*	*76 %*	*67 %*	*54 %*	*63 %*	*62 %*	*72 %*

Proof: vit / 08–2019

Gonzales

Linear Description		88 – 100 – 112 – 124		
Dairy Character (Index)			112	
Body (Index)			97	
Feet and legs (Index)			110	
Udder (Index)			121	
RZE (Index)			118	
Stature	*small*		117	*tall*
Dairy character	*little*		109	*angular*
Body depth	*shallow*		97	*deep*
Strength	*narrow*		95	*wide*
Rump angle	*ascending*		112	*sloped*
Rump width	*narrow*		86	*wide*
Rear leg set side view	*straight*		94	*sickled*
Foot angle	*low angles*		117	*steep angle*
Hocks	*swollen*		101	*clean*
Rear leg set rear view	*toes out*		102	*parallel*
Locomotion	*bad*		104	*good*
Rear udder height	*low*		110	*high*
Suspensory ligament	*weak*		100	*strong*
Teat placement (front)	*wide*		110	*close*
Teat placement (rear)	*wide*		94	*close*
Fore udder attachment	*loose*		116	*tight*
Udder depth	*deep*		126	*shallow*
Teat length	*short*		91	*long*

587546-Gonzales

Daughters/ Herds Conformation: –/ –

RZhealth	111	*57 %*
RZudderfit	120	*61 %*
RZhoof	99	*52 %*
RZrepro	99	*53 %*
RZmetabol	107	*56 %*
RZcalfhealth	98	*48 %*
DDcontrol	89	*51 %*

RZRobot	---	-- %

Kappa Casein	BB
Beta Casein	A2/A2

Milk	Fat	Protein
+1060 kg	+0.34 %	+0.30 %
	+75 kg	+64 kg

Reliability	74 %
Daughters	–
Herds	–

- **Milk & components**
- **Calving ease**
- **A2/A2 & BB**

08–2019

genomic

Kontra

pp CDF WIL K&L SK Kontra

GENOMIC

917633 Born: 15.04.2018

NLD 000661379004

aAa 312546

♂ **Silky** (♂ *Sveen P*)

♀ WIL Koncert RDC (♂ **Battlecry**)

♀ WIL K25 VG 88 (♂ **Brekem RDC**)

1 La 12270 3.77 463 3.45 423

♀ WIL Kanu RDC VG 88 (♂ **Snowman**)

gRZG

148
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
137	135	124	120	95	103	109	103
73 %	*62 %*	*76 %*	*66 %*	*53 %*	*62 %*	*61 %*	*71 %*

Proof: vit / 08–2019

Kontra

Linear Description		88 – 100 – 112 – 124		
Dairy Character (Index)			114	
Body (Index)			111	
Feet and legs (Index)			125	
Udder (Index)			130	
RZE (Index)			135	
Stature	*small*		115	*tall*
Dairy character	*little*		114	*angular*
Body depth	*shallow*		116	*deep*
Strength	*narrow*		109	*wide*
Rump angle	*ascending*		89	*sloped*
Rump width	*narrow*		107	*wide*
Rear leg set side view	*straight*		97	*sickled*
Foot angle	*low angles*		114	*steep angle*
Hocks	*swollen*		109	*clean*
Rear leg set rear view	*toes out*		117	*parallel*
Locomotion	*bad*		118	*good*
Rear udder height	*low*		121	*high*
Suspensory ligament	*weak*		116	*strong*
Teat placement (front)	*wide*		112	*close*
Teat placement (rear)	*wide*		108	*close*
Fore udder attachment	*loose*		119	*tight*
Udder depth	*deep*		122	*shallow*
Teat length	*short*		100	*long*

917633-Kontra

Daughters/ Herds Conformation: –/ –

RZhealth	111	*56 %*
RZudderfit	106	*60 %*
RZhoof	110	*50 %*
RZrepro	109	*52 %*
RZmetabol	112	*54 %*
RZcalfhealth	110	*46 %*
DDcontrol	99	*50 %*

RZRobot	---	-- %

Kappa Casein	AB
Beta Casein	A1/A2

Milk	Fat	Protein
+1435 kg	+0.11 %	-0.07 %
	+70 kg	+43 kg

Reliability	73 %
Daughters	–
Herds	–

- **Milk production**
- **Conformation**
- **Udder**

08–2019

genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Marsden P

Pp* CDF TIR–AN Marsden P

GENOMIC

924753 Born: 19.05.2017

DNK 002371403056

aAa 324156

♂ **Mission P RDC** (♂ *Missouri*)

♀ Saigon Red GP 84 (♂ **Brekem RDC**)

1/1 La 10476 3.51 368 3.64 381

♀ Samara VG 85 (♂ **Alchemy RDC**)

1/1 La 12121 3.61 437 3.39 411

♀ Sammy VG 85 (♂ **Gerard**)

gRZG

148
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
139	119	110	121	112	110	124	94
73 %	*63 %*	*76 %*	*66 %*	*54 %*	*63 %*	*61 %*	*71 %*

Proof: vit / 08–2019

Marsden P

Linear Description		88	100	112	124	924753-Marsden P	
Dairy Character (Index)						112	
Body (Index)						99	
Feet and legs (Index)						107	
Udder (Index)						124	
RZE (Index)						119	
Stature	*small*					121	*tall*
Dairy character	*little*					111	*angular*
Body depth	*shallow*					96	*deep*
Strength	*narrow*					99	*wide*
Rump angle	*ascending*					116	*sloped*
Rump width	*narrow*					98	*wide*
Rear leg set side view	*straight*					104	*sickled*
Foot angle	*low angles*					96	*steep angle*
Hocks	*swollen*					109	*clean*
Rear leg set rear view	*toes out*					101	*parallel*
Locomotion	*bad*					107	*good*
Rear udder height	*low*					113	*high*
Suspensory ligament	*weak*					109	*strong*
Teat placement (front)	*wide*					99	*close*
Teat placement (rear)	*wide*					104	*close*
Fore udder attachment	*loose*					118	*tight*
Udder depth	*deep*					122	*shallow*
Teat length	*short*					108	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	110	*57 %*
RZudderfit	106	*61 %*
RZhoof	112	*52 %*
RZrepro	105	*53 %*
RZmetabol	107	*55 %*
RZcalfhealth	107	*51 %*
DDcontrol	114	*51 %*
RZRobot	112	*71 %*

Kappa Casein BB
Beta Casein A2/A2

Milk	Fat	Protein
+1134 kg	+0.04 %	+0.19 %
	+51 kg	+56 kg

Reliability 73 %
Daughters –
Herds –

- **Functionality**
- **Calving ease**
- **A2/A2 & BB**

Mercurio P

Pp* CDF

GENOMIC

997312 Born: 22.01.2018

DEU 000817024355

aAa ------

♂ **Mission P RDC** (♂ *Missouri*)

♀ Leona PP GP 84 (♂ **Apoll P**)

♀ Lisha (♂ **Kanu P**)

♀ Indian Summer VG 86 (♂ **Dertour**)

gRZG

147
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
144	114	118	116	94	109	110	99
73 %	*63 %*	*76 %*	*66 %*	*53 %*	*64 %*	*62 %*	*71 %*

Proof: vit / 08–2019

Mercurio P

Linear Description		88	100	112	124	997312-Mercurio P	
Dairy Character (Index)						109	
Body (Index)						94	
Feet and legs (Index)						103	
Udder (Index)						122	
RZE (Index)						114	
Stature	*small*					107	*tall*
Dairy character	*little*					109	*angular*
Body depth	*shallow*					91	*deep*
Strength	*narrow*					93	*wide*
Rump angle	*ascending*					97	*sloped*
Rump width	*narrow*					96	*wide*
Rear leg set side view	*straight*					110	*sickled*
Foot angle	*low angles*					105	*steep angle*
Hocks	*swollen*					105	*clean*
Rear leg set rear view	*toes out*					97	*parallel*
Locomotion	*bad*					103	*good*
Rear udder height	*low*					115	*high*
Suspensory ligament	*weak*					109	*strong*
Teat placement (front)	*wide*					116	*close*
Teat placement (rear)	*wide*					121	*close*
Fore udder attachment	*loose*					116	*tight*
Udder depth	*deep*					119	*shallow*
Teat length	*short*					99	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	107	*57 %*
RZudderfit	105	*61 %*
RZhoof	109	*52 %*
RZrepro	103	*53 %*
RZmetabol	100	*55 %*
RZcalfhealth	113	*51 %*
DDcontrol	110	*51 %*
RZRobot	---	-- %

Kappa Casein BB
Beta Casein A2/A2

Milk	Fat	Protein
+1227 kg	+0.22 %	+0.16 %
	+72 kg	+57 kg

Reliability 73 %
Daughters –
Herds –

- **Calf health**
- **A2/A2 & BB**
- **Milk & components**

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Pacific Red

pp CDF ND-Druvale Pacific Red

GENOMIC

917638 Born: 19.07.2018

DEU 000540581160

aAa 234156

♂ **Pace Red** (♂ *Pat-Red*)

♀ Jasper VG 87 (♂ **Jedi**)

♀ Scarlet-Re VG 87 (♂ **Olympian**)

♀ Sissy EX 92 (♂ **Numero Uno**)

gRZG

156 *68 %*

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
134	130	116	141	120	107	116	106
73 %	*61 %*	*75 %*	*66 %*	*53 %*	*63 %*	*60 %*	*70 %*

Proof: vit / 08–2019

Pacific Red

Linear Description		88	100	112	124	917638-Pacific Red	
Dairy Character (Index)						95	
Body (Index)						106	
Feet and legs (Index)						106	
Udder (Index)						144	
RZE (Index)						130	
Stature	*small*					110	*tall*
Dairy character	*little*					95	*angular*
Body depth	*shallow*					100	*deep*
Strength	*narrow*					111	*wide*
Rump angle	*ascending*					111	*sloped*
Rump width	*narrow*					108	*wide*
Rear leg set side view	*straight*					84	*sickled*
Foot angle	*low angles*					106	*steep angle*
Hocks	*swollen*					106	*clean*
Rear leg set rear view	*toes out*					97	*parallel*
Locomotion	*bad*					107	*good*
Rear udder height	*low*					137	*high*
Suspensory ligament	*weak*					117	*strong*
Teat placement (front)	*wide*					118	*close*
Teat placement (rear)	*wide*					118	*close*
Fore udder attachment	*loose*					132	*tight*
Udder depth	*deep*					132	*shallow*
Teat length	*short*					98	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	118	*55 %*
RZudderfit	111	*59 %*
RZhoof	115	*49 %*
RZrepro	116	*51 %*
RZmetabol	113	*53 %*
RZcalfhealth	103	*48 %*
DDcontrol	115	*49 %*
RZRobot	---	-- %

Kappa Casein AA
Beta Casein A23

Milk	Fat	Protein
+1749 kg	-0.23 %	-0.14 %
	+50 kg	+46 kg

Reliability 73 %
Daughters –
Herds –

- **Udder**
- **Longevity**
- **Milk production**

08–2019

genomic

Panders

pp CDF Anderstrup Panders

GENOMIC

924760 Born: 29.01.2018

DNK 003372307972

aAa 234165

♂ **Pace Red** (♂ *Pat-Red*)

♀ Anderstrup Dana (♂ **Nugget RDC**)

♀ Anderstrup Dellia RDC VG 89 (♂ **Aikman RDC**)

1/1 La 14107 4.71 664 3.69 521

♀ Manders Dellia 8 GP 84 (♂ **G-Force**)

gRZG

148 *69 %*

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
128	135	112	132	116	115	117	107
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Panders

Linear Description		88	100	112	124	924760-Panders	
Dairy Character (Index)						112	
Body (Index)						103	
Feet and legs (Index)						121	
Udder (Index)						139	
RZE (Index)						135	
Stature	*small*					114	*tall*
Dairy character	*little*					109	*angular*
Body depth	*shallow*					94	*deep*
Strength	*narrow*					96	*wide*
Rump angle	*ascending*					99	*sloped*
Rump width	*narrow*					108	*wide*
Rear leg set side view	*straight*					83	*sickled*
Foot angle	*low angles*					118	*steep angle*
Hocks	*swollen*					116	*clean*
Rear leg set rear view	*toes out*					101	*parallel*
Locomotion	*bad*					113	*good*
Rear udder height	*low*					138	*high*
Suspensory ligament	*weak*					114	*strong*
Teat placement (front)	*wide*					116	*close*
Teat placement (rear)	*wide*					104	*close*
Fore udder attachment	*loose*					125	*tight*
Udder depth	*deep*					123	*shallow*
Teat length	*short*					99	*long*

Daughters/ Herds Conformation: –/ –

RZhealth	117	*56 %*
RZudderfit	109	*60 %*
RZhoof	114	*51 %*
RZrepro	122	*52 %*
RZmetabol	110	*54 %*
RZcalfhealth	104	*49 %*
DDcontrol	101	*50 %*
RZRobot	123	70 %

Kappa Casein AA
Beta Casein A2/A2

Milk	Fat	Protein
+964 kg	+0.08 %	+0.01 %
	+47 kg	+34 kg

Reliability 73 %
Daughters –
Herds –

- **Udder**
- **Daughter fertility**
- **Longevity**

08–2019

genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Shivago

pp CDF

GENOMIC

793000 Born: 12.11.2017

DEU 000770549198

aAa ------

♂ **Styx Red** (♂ *Entitle*)

♀ Silky VG 85 (♂ **Pat-Red**)

1 La 8939 4.89 437 4.39 392

♀ Savor 504 VG 85 (♂ **Altahydro**)

HL 2 18201 2.92 531 3.12 568

♀ Scoby VG 88 (♂ **Epic**)

gRZG

152
68 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
152	123	103	117	91	112	100	107
73 %	*61 %*	*75 %*	*66 %*	*52 %*	*63 %*	*60 %*	*70 %*

Proof: vit / 08–2019

Linear Description	88 – 100 – 112 – 124	793000-Shivago
Dairy Character (Index)		113
Body (Index)		105
Feet and legs (Index)		117
Udder (Index)		120
RZE (Index)		123

Stature	*small*	112	*tall*
Dairy character	*little*	113	*angular*
Body depth	*shallow*	106	*deep*
Strength	*narrow*	102	*wide*
Rump angle	*ascending*	98	*sloped*
Rump width	*narrow*	100	*wide*
Rear leg set side view	*straight*	98	*sickled*
Foot angle	*low angles*	103	*steep angle*
Hocks	*swollen*	106	*clean*
Rear leg set rear view	*toes out*	113	*parallel*
Locomotion	*bad*	113	*good*
Rear udder height	*low*	120	*high*
Suspensory ligament	*weak*	97	*strong*
Teat placement (front)	*wide*	109	*close*
Teat placement (rear)	*wide*	103	*close*
Fore udder attachment	*loose*	117	*tight*
Udder depth	*deep*	108	*shallow*
Teat length	*short*	97	*long*

Daughters/ Herds Conformation: –/ –

Shivago

RZhealth	106	*55 %*
RZudderfit	103	*59 %*
RZhoof	107	*49 %*
RZrepro	103	*51 %*
RZmetabol	109	*53 %*
RZcalfhealth	114	*47 %*
DDcontrol	109	*49 %*
RZRobot	114	*70 %*

Kappa Casein BB
Beta Casein A1/A2

Milk	Fat	Protein
+2660 kg	-0.43 %	-0.14 %
	+64 kg	+76 kg

Reliability 73 %
Daughters –
Herds –

- **Milk production**
- **Calf health**
- **Fits for AMS**

Snickers P

Pp* CDF Caudumer Snickers P

GENOMIC

586345 Born: 03.05.2018

NLD 000576852674

aAa 423165

♂ **Salvatore RDC** (♂ *Supershot*)

♀ Caudumer Lol 371 P RDC VG 86 (♂ **Balisto**)

152T 5255 4.68 246 3.60 189

♀ Caudumer Lol 305 PP VG 87 (♂ **Magna P RF**)

2/1 La 9502 4.50 428 3.93 373

♀ Caudumer Lol 292 P VG 87 (♂ **Lawn Boy P**)

gRZG

155
70 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
152	124	110	115	100	113	108	110
74 %	*62 %*	*76 %*	*67 %*	*54 %*	*63 %*	*61 %*	*70 %*

Proof: vit / 08–2019

Linear Description	88 – 100 – 112 – 124	586345-Snickers P
Dairy Character (Index)		112
Body (Index)		102
Feet and legs (Index)		119
Udder (Index)		121
RZE (Index)		124

Stature	*small*	111	*tall*
Dairy character	*little*	112	*angular*
Body depth	*shallow*	100	*deep*
Strength	*narrow*	97	*wide*
Rump angle	*ascending*	93	*sloped*
Rump width	*narrow*	102	*wide*
Rear leg set side view	*straight*	97	*sickled*
Foot angle	*low angles*	113	*steep angle*
Hocks	*swollen*	103	*clean*
Rear leg set rear view	*toes out*	118	*parallel*
Locomotion	*bad*	111	*good*
Rear udder height	*low*	123	*high*
Suspensory ligament	*weak*	103	*strong*
Teat placement (front)	*wide*	112	*close*
Teat placement (rear)	*wide*	106	*close*
Fore udder attachment	*loose*	112	*tight*
Udder depth	*deep*	111	*shallow*
Teat length	*short*	102	*long*

Daughters/ Herds Conformation: –/ –

Snickers P

RZhealth	103	*57 %*
RZudderfit	101	*61 %*
RZhoof	105	*51 %*
RZrepro	98	*52 %*
RZmetabol	106	*55 %*
RZcalfhealth	98	*47 %*
DDcontrol	99	*51 %*
RZRobot	120	*70 %*

Kappa Casein AB
Beta Casein A1/A2

Milk	Fat	Protein
+1992 kg	+0.09 %	-0.05 %
	+92 kg	+62 kg

Reliability 74 %
Daughters –
Herds –

- **Milk production**
- **Fits for AMS**
- **Calving ease**

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Solitair P

Pp* CDF Caudumer Solitair P

GENOMIC

917617 Born: 03.01.2018

NLD 000576852597

aAa 423516

♂ **Salvatore RDC** (♂ *Supershot*)

♀ Caudumer Lol 371 P RDC VG 86 (♂ **Balisto**)

152T 5255 4.68 246 3.60 189

♀ Caudumer Lol 305 PP VG 87 (♂ **Magna P RDC**)

2/1 La 9502 4.50 428 3.93 373

♀ Caudumer Lol 292 P VG 87 (♂ **Lawn Boy P**)

gRZG

162
70 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
150	126	115	132	107	120	111	106
74 %	62 %	76 %	67 %	54 %	63 %	61 %	70 %

Proof: vit / 08–2019

Solitair P

Linear Description		88	100	112	124		917617-Solitair P
Dairy Character (Index)						113	
Body (Index)						104	
Feet and legs (Index)						117	
Udder (Index)						125	
RZE (Index)						126	
Stature	small					112	tall
Dairy character	little					113	angular
Body depth	shallow					101	deep
Strength	narrow					99	wide
Rump angle	ascending					88	sloped
Rump width	narrow					110	wide
Rear leg set side view	straight					96	sickled
Foot angle	low angles					110	steep angle
Hocks	swollen					108	clean
Rear leg set rear view	toes out					112	parallel
Locomotion	bad					110	good
Rear udder height	low					121	high
Suspensory ligament	weak					110	strong
Teat placement (front)	wide					114	close
Teat placement (rear)	wide					113	close
Fore udder attachment	loose					116	tight
Udder depth	deep					115	shallow
Teat length	short					103	long

Daughters/ Herds Conformation: –/ –

RZhealth	116	*57 %*
RZudderfit	113	*61 %*
RZhoof	110	*51 %*
RZrepro	111	*52 %*
RZmetabol	115	*55 %*
RZcalfhealth	102	*47 %*
DDcontrol	96	*51 %*

RZRobot	---	-- %

Kappa Casein	BB
Beta Casein	A1/A2

Milk	Fat	Protein
+1953 kg	-0.03 %	-0.01 %
	+78 kg	+65 kg

Reliability	74 %
Daughters	-
Herds	-

- **No.1 bull by RZG**
- **Milk production**
- **functionality**

08–2019

genomic

Solution

pp CDF Blondin RUW Solution

GENOMIC

917613 Born: 22.11.2017

DEU 000770666616

aAa 243156

♂ **Salvatore RDC** (♂ *Supershot*)

♀ MS Blondin Rubicon Pixture RDC GP 83 (♂ **Rubicon**)

1 La 7593 5.00 380 3.74 284

♀ Butlerview Pixie SS57453 RDC P VG 87 (♂ **Supersire**)

HL 2 12305 4.23 520 3.31 407

♀ Butlerview Colt Pixie-ET P RDC EX 91 (♂ **Colt-P**)

gRZG

152
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
131	135	122	133	113	114	127	88
74 %	62 %	76 %	66 %	53 %	63 %	61 %	70 %

Proof: vit / 08–2019

Solution

Linear Description		88	100	112	124		917613-Solution
Dairy Character (Index)						102	
Body (Index)						109	
Feet and legs (Index)						119	
Udder (Index)						139	
RZE (Index)						135	
Stature	small					128	tall
Dairy character	little					100	angular
Body depth	shallow					99	deep
Strength	narrow					113	wide
Rump angle	ascending					87	sloped
Rump width	narrow					115	wide
Rear leg set side view	straight					98	sickled
Foot angle	low angles					110	steep angle
Hocks	swollen					104	clean
Rear leg set rear view	toes out					117	parallel
Locomotion	bad					114	good
Rear udder height	low					128	high
Suspensory ligament	weak					109	strong
Teat placement (front)	wide					116	close
Teat placement (rear)	wide					108	close
Fore udder attachment	loose					129	tight
Udder depth	deep					130	shallow
Teat length	short					110	long

Daughters/ Herds Conformation: –/ –

RZhealth	119	*55 %*
RZudderfit	114	*59 %*
RZhoof	116	*50 %*
RZrepro	112	*51 %*
RZmetabol	118	*54 %*
RZcalfhealth	104	*46 %*
DDcontrol	110	*50 %*

RZRobot	---	-- %

Kappa Casein	BB
Beta Casein	A1/A2

Milk	Fat	Protein
+1492 kg	-0.10 %	-0.12 %
	+52 kg	+39 kg

Reliability	74 %
Daughters	-
Herds	-

- **Udder**
- **Improves health**
- **Functionality**

08–2019

genomic

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Sting Red

pp CDF

GENOMIC

587551 Born: 15.09.2017

DNK 000000259602

aAa 432561

♂ **Styx Red** (♂ *Entitle*)

♀ Saigon Red GP 84 (♂ **Brekem RDC**)

1 La 10476 3.51 368 3.64 381

♀ Samara VG 85 (♂ **Alchemy**)

1 La 12121 3.61 437 3.39 411

♀ Sammy VG 85 (♂ **Gerard**)

gRZG

152

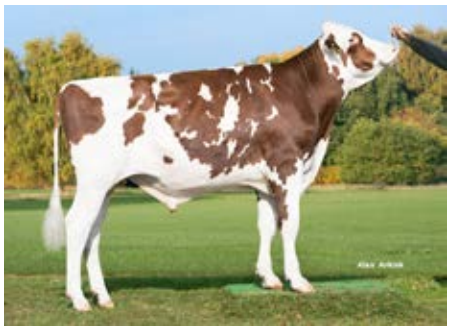
69 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
139	128	113	125	117	120	121	104
73 %	*62 %*	*75 %*	*66 %*	*53 %*	*63 %*	*60 %*	*70 %*

Proof: vit / 08–2019

Linear Description		587551-Sting Red
Dairy Character (Index)		111
Body (Index)		108
Feet and legs (Index)		110
Udder (Index)		133
RZE (Index)		128
Stature	*small*	123 *tall*
Dairy character	*little*	109 *angular*
Body depth	*shallow*	101 *deep*
Strength	*narrow*	105 *wide*
Rump angle	*ascending*	110 *sloped*
Rump width	*narrow*	110 *wide*
Rear leg set side view	*straight*	102 *sickled*
Foot angle	*low angles*	102 *steep angle*
Hocks	*swollen*	110 *clean*
Rear leg set rear view	*toes out*	102 *parallel*
Locomotion	*bad*	106 *good*
Rear udder height	*low*	122 *high*
Suspensory ligament	*weak*	103 *strong*
Teat placement (front)	*wide*	115 *close*
Teat placement (rear)	*wide*	104 *close*
Fore udder attachment	*loose*	126 *tight*
Udder depth	*deep*	128 *shallow*
Teat length	*short*	101 *long*

Daughters/ Herds Conformation: –/ –



Sting Red

RZhealth	116	*56 %*
RZudderfit	115	*60 %*
RZhoof	110	*51 %*
RZrepro	113	*52 %*
RZmetabol	111	*54 %*
RZcalfhealth	104	*48 %*
DDcontrol	107	*50 %*
RZRobot	118	*70 %*

Kappa Casein BB
Beta Casein A1/A2

Milk	Fat	Protein
+2305 kg	-0.52 %	-0.17 %
	+41 kg	+61 kg

Reliability 73 %
Daughters -
Herds -

- **Milk production**
- **Functionality**
- **Calving ease**

Stormy Red

pp CDF Blondin Stormy Red

GENOMIC

917604 Born: 10.08.2017

CAN 000110621386

aAa 423

♂ **Styx Red** (♂ *Entitle RDC*)

♀ MS Blondin Rubicon Pixture RDC GP 83 (♂ **Rubicon**)

1 La 7593 5.00 380 3.74 284

♀ Butlerview Pixie SS57453 P RDC VG 87 (♂ **Supersire**)

HL 2 12305 4.23 520 3.31 407

♀ Butlerview Colt Pixie-ET P RDC EX 91 (♂ **Colt-P**)

gRZG

152

68 %

gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
130	132	123	132	118	115	111	99
73 %	*61 %*	*75 %*	*66 %*	*53 %*	*63 %*	*60 %*	*70 %*

Proof: vit / 08–2019

Linear Description		917604-Stormy Red
Dairy Character (Index)		103
Body (Index)		105
Feet and legs (Index)		125
Udder (Index)		131
RZE (Index)		132
Stature	*small*	115 *tall*
Dairy character	*little*	102 *angular*
Body depth	*shallow*	103 *deep*
Strength	*narrow*	105 *wide*
Rump angle	*ascending*	100 *sloped*
Rump width	*narrow*	101 *wide*
Rear leg set side view	*straight*	92 *sickled*
Foot angle	*low angles*	115 *steep angle*
Hocks	*swollen*	109 *clean*
Rear leg set rear view	*toes out*	115 *parallel*
Locomotion	*bad*	117 *good*
Rear udder height	*low*	124 *high*
Suspensory ligament	*weak*	98 *strong*
Teat placement (front)	*wide*	114 *close*
Teat placement (rear)	*wide*	105 *close*
Fore udder attachment	*loose*	127 *tight*
Udder depth	*deep*	125 *shallow*
Teat length	*short*	96 *long*

Daughters/ Herds Conformation: –/ –

Stormy Red

RZhealth	117	*55 %*
RZudderfit	115	*59 %*
RZhoof	110	*50 %*
RZrepro	116	*51 %*
RZmetabol	114	*53 %*
RZcalfhealth	113	*47 %*
DDcontrol	110	*49 %*
RZRobot	121	*70 %*

Kappa Casein BB
Beta Casein A1/A2

Milk	Fat	Protein
+1397 kg	-0.17 %	-0.06 %
	+41 kg	+42 kg

Reliability 73 %
Daughters -
Herds -

- **Daughter fertility**
- **Longevity**
- **Fits for AMS**

For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

Red Cattle - Angler

German Red Cattle, also called "Angler", originate from the north of Germany where they were bred systematically from 1830. A central herd book has been kept in Süderbrarup since 1879.

The coastal regions in the north of Germany require robust and functional cattle with good grazing ability. The Anglers are of medium size and operate on excellent feet and legs with firm, typically dark hooves. For this reason, they are particularly suitable for housing systems with predominant grazing. Another particular strength of the Angler cattle is the economic ratio of total feed expenditure to milk yield and the high protein values of more than 3.6 %. Due to their monochrome red fur and the resulting UV tolerance, the Anglers are also particularly suitable for countries with high solar radiation. Another advantage of the Angler breed is the cross breeding with other dairy breeds to improve the feet and legs, components and grazing ability.

Alex Arkink

Dragomir daughter Lina

Angler young cattle show a vital growth and are early-maturing. They already calve at the age of 24 months. Young bulls have a good growth rate and reach a live weight of 400 kg at the age of twelve months.

Average production 2018:

7,874 kg milk with 4.52 % fat and 3.59 % protein

Willow

586460 Born: 2018

DEU 276000123233571

Angler

GENOMIC

♂ **VR Filur** *(♂ Fonseca)*

♀ Sissy VG 87 *(♂ **Rockstar**)*

HL 3 9384 4.70 441 3.87 363

♀ Madonna 67 VG 87 *(♂ **Fundus**)*

HL 3 12367 4.55 563 3.66 453

♀ Ebba 63 VG 89 *(♂ **Tulip**)*

gRZG	gRZM	gRZE	gRZS	gRZN	gRZR	gRZKd	gRZKm	gRZD
127	116	112	117	118	106	---	---	---
55 %	60 %	60 %	60 %	55 %	55 %	-- %	-- %	-- %

Proof: vit / 08–2019

Willow

aAa ---

Linear Description		88 / 100 / 112 / 124	586460-Willow	
Dairy Character (Index)			94	
Body (Index)			104	
Feet and legs (Index)			104	
Udder (Index)			114	
RZE (Index)			112	
Stature	small		100	tall
Dairy character	little		96	angular
Body depth	shallow		99	deep
Strength	narrow		107	wide
Rump angle	ascending		108	sloped
Rump width	narrow		102	wide
Rear leg set side view	straight		110	sickled
Foot angle	low angles		115	steep angle
Hocks	swollen		–	clean
Rear leg set rear view	toes out		94	parallel
Locomotion	bad		–	good
Rear udder height	low		113	high
Suspensory ligament	weak		102	strong
Teat placement (front)	wide		107	close
Teat placement (rear)	wide		108	close
Fore udder attachment	loose		110	tight
Udder depth	deep		111	shallow
Teat length	short		104	long

RZRobot: – (--%)

Kappa Casein: --
Beta Casein: --/--

Milk	Fat	Protein
+350 kg	+0.08 % +23 kg	+0.08 % +20 kg

Reliability: 60 %
Daughters: –
Herds: –

- **Udder**
- **Components**
- **Udder health**

08–2019

Red & White dual-purpose (DN)

The Red & White dual-purpose herd book traces back to the year 1887 and originates from coastal regions where grazing ability, fertility and modesty are important traits. Medium-sized and framed the Red & White dual-purpose breed can convince with a balanced combination of good milk performance and high components with excellent beef performance.
By dividing the Red & White dual-purpose herd book from the Red Holsteins and with that restricting the Red Holstein influence, the characteristics of the popular dual-purpose breed were kept and further developed to meet the needs of the pasture fattening and the high quality meat programs.
Robust, flexible and covered by a mostly deep red coat they also suit for sunny areas with extensive pasture conditions.

Raxo daughter Salat

Average production 2018:
7,164 kg milk with 4.29 % fat and 3.58 % protein

German Friesian Cattle (DSN)

Wolfhard Schulze

Originating from northern and middle Europe, these medium-sized dual-purpose cattle were bred for wetland and low-laying areas more than 150 years ago. Important requirements were high adaptability for different environments, good milk yield with high fat content besides good meat performance. Their ability to thrive on marshland and to utilize roughage with high feed efficiency were important criteria in former times and this is reflected in their body type with lots of strength, capacity and wide rumps. They are very fertile, flexible and healthy long-living cows with good muscularity. Along with the black and white cattle from the Netherlands and Great Britain the German Friesian Cattle are one of the foundation breeds of the modern Holstein Friesians known today.
Since 1972 German Friesian Cattle have had their own independent breeding program and have been further developed. Due to their history, German Friesian Cattle suit perfectly for farming on grass land and nature reserves, for ecologically operating farms and for extensive production conditions with high percentage of roughage utilization.

Lord daughter Birke

Average production 2018:
6,789 kg milk with 4.16 % fat and 3.51 % protein

Beef breeds for pure or cross breeding

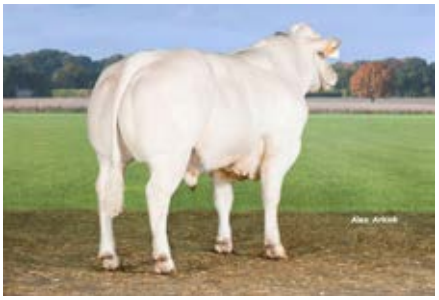
Charolais (also polled)

Hamlett PP

Limousin (also polled)

Noel PP

Belgian Blue



Fax

Fleckvieh Beef (also polled)

Alvaro PP

Piemontese (also polled)

Grandios

Wagyu

Lake Wagyu

Uckermärker (also polled)

Polar PP

Angus (Black)

Turn On

Angus (Red)

KEA Radom

Galloway

Faro

Hereford (also polled)

Taham P

Highland

Onail

Current proofs of genomic GGI-SPERMEX top sires

(AUGUST 2019)

	Name	HB-No.	Sire	Maternal Sire	Milk-kg	Fat-%	Fat-kg	Protein-%	Protein-kg	RZM	Dairy Type	Body	Feet & Legs	Udder	RZE	RZS	RZN	RZR	**RZG**	**RZhealth**	**RZudderfit**	**RZcalfhealth**	**RZhoof**	**RZrepro**	**RZmetabol**	Beta Casein	RZRobot	RZK**d**	RZK**m**	aAa	Page
HOLSTEIN	**Sano**	686120	Sonic	Barcley	+2347	+0.21	+117	-0.02	+76	165	116	103	118	112	119	113	119	100	**165**	104	98	104	103	111	108	A1/A2	---	99	112	342156	45
	Freemax	811622	Imax	Modesty	+1723	+0.22	+92	+0.05	+64	153	108	106	118	131	130	110	129	110	**164**	114	109	111	111	114	113	--/--	119	111	124	234165	32
	Simon P	685585	Semino	Board	+1990	+0.06	+85	+0.03	+70	154	103	112	118	113	120	120	126	108	**162**	113	112	98	109	111	106	A2/A2	---	109	122	324156	47
	Bachelor P	686118	Batch P	Board	+1634	+0.06	+71	+0.10	+66	149	99	93	123	120	120	121	130	107	**161**	120	120	100	113	111	114	A2/A2	---	106	117	234156	27
	Casino	156583	DG Charley	Mardi Gras	+1961	+0.07	+85	-0.03	+62	150	112	104	116	124	125	118	127	113	**161**	113	107	103	116	109	106	A2/A2	---	104	123	351426	30
	German Boy	619193	Gymnast	Silver	+2124	+0.22	+109	-0.05	+66	158	113	116	115	127	130	112	118	99	**161**	105	101	89	107	106	103	A2/A2	---	100	119	324156	34
	Colani	157717	Cidre	Board	+1472	+0.31	+92	+0.10	+60	151	117	102	113	126	125	122	126	105	**160**	112	114	95	105	109	102	A2/A2	---	102	116	153246	31
	Sepia	797270	Semino	Commander	+732	+0.64	+93	+0.30	+54	149	109	116	124	133	137	123	124	99	**160**	115	113	106	112	107	112	A1/A2	---	93	117	------	47
	Best Time	686121	Benz	Alltime	+1447	+0.15	+73	+0.09	+58	145	98	104	118	124	123	115	127	122	**159**	119	116	99	112	118	113	A1/A2	116	111	134	------	27
	Gigabyte	573654	Gymnast	Silver	+1668	-0.03	+63	-0.01	+55	141	110	113	119	142	140	128	130	109	**159**	112	107	94	109	111	113	A2/A2	135	99	125	243156	35
	Jalano	823224	Jameson	Bolaro	+1614	-0.01	+63	+0.11	+66	147	110	102	124	121	125	113	132	104	**159**	113	112	112	110	106	106	A2/A3	---	112	116	135264	40
	Saturn	509109	Sonic	Barcley	+1607	+0.31	+97	+0.04	+58	151	112	101	126	129	131	120	119	95	**159**	109	107	98	105	111	104	A1/A2	---	101	112	------	46
	Guardian	686112	Guarantee	AltaSpring	+1483	+0.22	+83	+0.05	+55	146	114	110	107	131	127	129	124	110	**158**	120	121	109	118	107	104	A2/A2	---	96	114	345126	37
	Imano	811613	Imax	Kooper	+1457	+0.27	+87	+0.03	+53	146	98	99	111	126	120	115	131	109	**158**	115	109	103	114	111	118	A1/A2	114	109	118	432561	38
	Lavonte	508779	Superhero	Rubicon	+1218	+0.28	+77	+0.10	+51	143	92	109	112	127	123	118	134	114	**158**	116	110	106	113	115	119	A1/A2	---	96	115	423	41
	Pik As	619194	Pinterault	Hotshot	+883	+0.38	+74	+0.22	+53	143	100	102	120	113	117	128	130	116	**158**	117	117	108	108	113	119	A1/A2	117	112	116	243165	43
	Brightside	573675	Battleship	Afterburner	+2086	-0.11	+69	-0.01	+68	150	114	117	117	120	127	113	125	101	**157**	116	115	112	112	109	111	A1/A2	126	95	115	243165	29
	Galen	811618	Gordon	Silver	+690	+0.42	+70	+0.24	+47	139	103	105	117	115	118	123	134	123	**157**	123	117	97	116	121	123	A1/A2	---	102	117	345216	33
	Gigastar	573658	Gymnast	Silver	+1875	-0.12	+61	-0.05	+58	142	103	115	120	135	135	120	125	114	**157**	113	109	97	109	106	120	A1/A2	---	97	114	243516	35
	Goloman	619195	Guarantee	AltaSpring	+1500	+0.32	+94	+0.08	+59	151	114	108	110	118	120	122	122	106	**157**	119	121	112	113	107	106	A2/A2	111	104	122	213456	36
	Intro	823220	Imax	Jedi	+1029	+0.36	+78	+0.18	+53	144	103	103	116	134	129	109	125	117	**157**	112	103	106	110	113	119	A2/A2	---	106	124	435261	39
	Jackson	811621	Jameson	Penley	+1235	+0.08	+58	+0.08	+50	138	100	111	121	134	133	134	132	108	**157**	119	122	106	107	109	117	A2/A2	---	107	119	342516	39
	Match P	823204	Mission P RDC	Silver	+2306	-0.13	+76	-0.08	+68	151	105	100	115	123	121	112	118	108	**157**	105	103	109	102	108	106	A1/A2	---	97	118	432561	41
	Youngster	823218	Yoyo	Afterburner	+1111	+0.36	+81	+0.22	+60	148	110	104	111	114	116	113	125	117	**157**	116	118	96	106	110	112	A1/A2	114	101	106	243651	49
	Garett	823221	Garick	AltaSpring	+1846	-0.18	+52	-0.01	+61	142	100	107	115	121	122	119	126	124	**156**	120	116	104	117	114	112	A1/A2	---	103	111	342516	33
	Garido	811606	Gymnast	Penley	+1597	+0.23	+89	+0.02	+56	148	105	112	121	134	134	113	116	108	**156**	114	111	96	111	112	109	A1/A2	---	105	126	315426	34
	Rafting	684971	Ragen	Silver	+1648	+0.18	+85	+0.07	+63	151	109	117	122	137	139	113	115	95	**156**	107	101	105	106	112	110	A1/A2	---	98	110	342516	45
	Bonham	823225	Benz	Lombardi	+1390	+0.14	+70	+0.16	+64	147	109	102	124	127	129	98	122	109	**155**	115	104	96	119	113	112	A2/A2	---	104	114	234165	28
	Mezzo	823217	Mr Puma	Powerball P	+2205	-0.12	+73	-0.06	+67	150	120	118	110	127	129	125	122	90	**155**	108	103	97	111	102	112	A1/A2	---	104	101	243615	42
	Predator	573664	Pharo	Missouri	+683	+0.46	+74	+0.21	+44	139	117	104	110	141	133	127	127	112	**155**	116	120	107	103	112	108	A1/A2	---	105	119	234165	44
	Tosco	811604	Topshot	Rubicon	+887	+0.53	+89	+0.15	+46	143	93	105	122	120	122	115	125	113	**155**	118	109	115	122	108	121	A1/A2	121	119	121	342156	48
	Boudy	156599	Gymnast	Rubicon	+1120	+0.10	+54	+0.12	+51	137	111	111	117	132	132	125	129	114	**154**	115	113	98	110	112	114	A2/A2	---	100	135	423651	28
	Brebel	768899	Benz	Battlecry	+1112	+0.34	+80	+0.17	+55	145	111	95	121	118	120	108	122	110	**154**	113	107	113	111	112	113	A2/A2	115	115	118	------	29
	Palmbeach	768900	Padawan	AltaSpring	+1661	-0.14	+50	+0.05	+61	141	114	107	108	121	121	121	125	125	**154**	118	111	112	118	116	107	A2/A2	---	100	117	------	43
	Already	685578	All-Star	Battlecry	+1368	-0.06	+47	+0.01	+47	134	104	102	112	133	126	124	133	119	**153**	119	118	100	108	120	114	A2/A2	129	100	111	243165	26
	Hotspot P	684671	Superhero	Powerball P	+772	+0.41	+72	+0.28	+54	143	115	104	120	128	129	104	119	117	**153**	110	105	94	111	113	101	A1/A2	124	103	120	231465	38
	Khedira	156578	Kerrigan	Commander	+1675	+0.13	+81	+0.03	+60	148	126	112	112	121	126	112	119	104	**153**	112	108	95	114	105	108	A2/A2	---	104	113	324165	40
	Semino	811577	Silver	Balisto	+1042	+0.37	+80	+0.19	+55	146	106	109	111	129	126	117	122	98	**153**	108	106	112	103	106	114	A2/A2	118	93	113	342156	46
	Chance	684690	DG Charley	Damaris	+1174	+0.19	+66	+0.05	+45	137	106	107	120	108	117	128	131	112	**152**	122	121	115	115	115	114	--/--	121	103	121	243	30
	Goldengate	509144	Guarantee	Bandares	+1103	+0.11	+55	+0.15	+53	139	105	107	106	119	117	120	129	117	**152**	117	118	109	109	113	109	--/--	117	104	124	342	36
	Quentin	619188	Quantum	Baltikum	+1152	+0.20	+67	+0.19	+58	144	115	115	117	120	127	118	118	106	**152**	116	115	102	113	107	109	A1/A2	---	102	122	135246	44
	Esquire	619192	Esperanto	Battlecry	+1088	+0.20	+64	+0.06	+43	136	104	104	125	113	121	124	133	107	**151**	127	129	116	118	114	111	A2/A2	136	112	116	321456	32
	My Dream P	619173	Mission P RDC	Shotglass	+1539	+0.03	+64	+0.14	+67	147	109	97	105	118	114	112	112	111	**150**	113	111	113	110	108	111	A2/A2	---	103	122	423615	42
	Wunder	823219	Windmill	AltaSpring	+1253	+0.03	+53	+0.11	+53	138	107	105	117	113	118	117	124	115	**150**	123	120	107	121	111	111	A2/A2	---	104	116	231456	49
	Hashtag P	572950	Hologram P	Balisto	+838	+0.32	+66	+0.12	+40	135	108	103	114	112	115	117	129	121	**149**	113	108	100	111	111	112	A2/A2	---	105	123	342516	37
	Tarmac	508733	King Royal	Supershot	+1214	-0.01	+47	+0.10	+51	136	115	106	120	129	130	110	121	119	**149**	121	125	108	110	111	107	--/--	---	98	127	234	48
	Charlston	684970	DG Charley	Rubicon	+523	+0.29	+50	+0.08	+26	124	107	97	122	125	125	130	136	121	**148**	130	127	112	123	118	114	A2/A2	---	115	126	234156	31
	Babylon PP	797260	Batch P	Missouri	+1986	-0.30	+45	-0.16	+48	134	111	95	118	122	121	117	123	111	**146**	113	110	108	114	106	105	A1/A2	---	107	125	------	22
	Barman PP	686115	Batch P	Araxis	+694	+0.33	+61	+0.11	+35	131	103	104	113	116	117	116	135	110	**146**	119	117	111	116	109	112	A2/A2	124	107	118	342156	22
	Melle PP	797200	Mission P RDC	Powerball P	+1702	-0.06	+61	-0.02	+55	141	108	95	102	119	112	106	123	98	**145**	105	105	113	103	104	105	A2/A2	111	108	125	------	24
	Adrian PP	768605	Adagio P	Eraser P	+1941	-0.08	+67	-0.03	+62	146	119	112	102	111	114	102	106	113	**144**	104	105	101	100	107	99	A2/A2	117	100	111	------	21
	Motto PP	573003	Mission P RDC	Powerball P	+1560	-0.03	+59	+0.04	+57	141	123	97	104	123	118	107	107	102	**141**	105	103	113	108	101	100	A2/A2	---	100	112	234165	25
	Apply	685586	Applicable	Mercure	+777	+0.10	+41	-0.06	+20	120	113	104	116	150	140	122	123	119	**141**	118	117	107	108	114	115	A1/A1	---	97	112	342156	26
	Makari PP	811597	Mission P RDC	Style P	+1739	-0.26	+40	-0.11	+47	132	113	92	112	115	114	114	121	103	**140**	111	110	112	112	106	97	A2/A2	116	105	116	342156	23
	Shore PP RDC	686110	Shot P RDC	Rubicon	+1707	-0.14	+52	-0.10	+47	135	103	102	116	111	115	107	116	102	**140**	105	103	103	101	106	111	A1/A2	118	108	113	423561	25
	Mineral PP	619164	Milford-P	Balisto	+223	+0.64	+71	+0.27	+33	133	122	99	105	119	117	108	123	99	**139**	110	112	111	103	108	106	A1/A2	113	115	111	234165	24
	Advokat PP	619177	Adagio P	Ocean PP	+647	+0.24	+50	+0.06	+28	125	104	109	106	135	127	119	113	119	**138**	113	111	100	110	108	108	A1/A1	129	109	110	342516	21
	Lugano PP	619187	Lucky-PP	Milford-P	+185	+0.14	+21	+0.15	+21	115	110	90	113	116	114	131	131	112	**135**	123	126	117	116	106	112	A1/A2	131	105	123	------	23
RED HOLSTEIN	**Solitair P**	917617	Salvatore RDC	Balisto	+1953	-0.03	+78	-0.01	+65	150	113	104	117	125	126	115	132	107	**162**	116	113	102	110	111	115	A1/A2	---	120	111	423516	61
	Pacific Red	917638	Pace Red	Jedi	+1749	-0.23	+50	-0.14	+46	134	95	106	106	144	130	116	141	120	**156**	118	111	103	115	116	113	A2/A3	---	107	116	234156	59
	Snickers P	586345	Salvatore RDC	Balisto	+1992	+0.09	+92	-0.05	+62	152	112	102	119	121	124	110	115	100	**155**	103	101	98	105	98	106	A1/A2	120	113	108	423165	60
	Gonzales	587546	Great	Brekem RDC	+1060	+0.34	+75	+0.30	+64	149	112	97	110	121	118	117	119	106	**154**	111	120	98	99	99	107	A2/A2	---	113	118	243165	57
	Shivago	793000	Styx Red	Pat-Red	+2660	-0.43	+64	-0.14	+76	152	113	105	117	120	123	103	117	91	**152**	106	103	114	107	103	109	A1/A2	114	112	100	------	60
	Solution	917613	Salvatore RDC	Rubicon	+1492	-0.10	+52	-0.12	+39	131	102	109	119	139	135	122	133	113	**152**	119	114	104	116	112	118	A1/A2	---	114	127	243156	61
	Sting Red	587551	Styx Red	Brekem RDC	+2305	-0.52	+41	-0.17	+61	139	111	108	110	133	128	113	125	117	**152**	116	115	104	110	113	111	A1/A2	118	120	121	432561	62
	Stormy Red	917604	Styx Red	Rubicon	+1397	-0.17	+41	-0.06	+42	130	103	105	125	131	132	123	132	118	**152**	117	115	113	110	116	114	A1/A2	121	115	111	423	62
	Frisk Red	156600	Pace Red	Silver	+1238	+0.19	+70	+0.15	+57	144	110	113	115	130	130	105	114	113	**151**	104	101	108	100	110	107	A2/A2	113	100	111	432561	56
	Broker PP	917620	Born P RDC	Blue P RDC	+1658	+0.10	+78	-0.04	+52	144	109	96	113	122	119	103	120	103	**149**	109	106	108	108	107	112	A2/A2	---	108	114	243165	53
	Ansporn	917634	Anreli	Jetset	+1148	-0.07	+41	±0.00	+40	129	90	92	128	129	126	129	132	107	**149**	119	117	118	113	112	118	A2/A2	---	115	107	243156	56
	Kontra	917633	Silky	Battlecry	+1435	+0.11	+70	-0.07	+43	137	114	111	125	130	135	124	120	95	**148**	111	106	110	110	109	112	A1/A2	---	103	109	312546	57
	Marsden P	924753	Mission P RDC	Brekem RDC	+1134	+0.04	+51	+0.19	+56	139	112	99	107	124	119	110	121	112	**148**	110	106	107	112	105	107	A2/A2	112	110	124	324156	58
	Panders	924760	Pace Red	Nugget RDC	+964	+0.08	+47	+0.01	+34	128	112	103	121	139	135	112	132	116	**148**	117	109	104	114	122	110	A2/A2	123	115	117	234165	59
	Mercurio P	997312	Mission P RDC	Apoll P	+1227	+0.22	+72	+0.16	+57	144	109	94	103	122	114	118	116	94	**147**	107	105	113	109	103	100	A2/A2	---	109	110	------	58
	Acryl PP	997313	Abi Red PP	Battlecry	+1364	+0.26	+81	+0.04	+51	144	118	109	104	117	117	105	120	100	**146**	107	105	103	106	108	97	A2/A2	---	105	100	------	53
	Larbick PP	924759	Lucky-PP	Apoll P	+1145	-0.07	+41	-0.02	+37	128	118	94	100	158	135	121	126	94	**143**	121	123	125	112	109	114	A2/A2	---	111	109	234156	54
	Moment PP	917640	Moscato P	Silver	+673	+0.46	+69	+0.07	+30	131	106	104	129	131	134	123	116	100	**143**	108	106	117	103	112	110	A1/A2	130	106	105	345216	55
	Rambo PP	587537	Rumba P	PowerPlay	+1358	+0.01	+57	+0.09	+55	140	103	100	110	124	119	105	106	105	**141**	104	101	107	100	110	108	A2/A2	112	112	108	432516	55
	Lumumba PP	924755	Lucky-PP	Zumba P	+528	+0.09	+30	+0.14	+30	122	108	103	116	142	134	118	122	105	**138**	114	120	112	102	104	110	A2/A2	125	122	115	324165	54

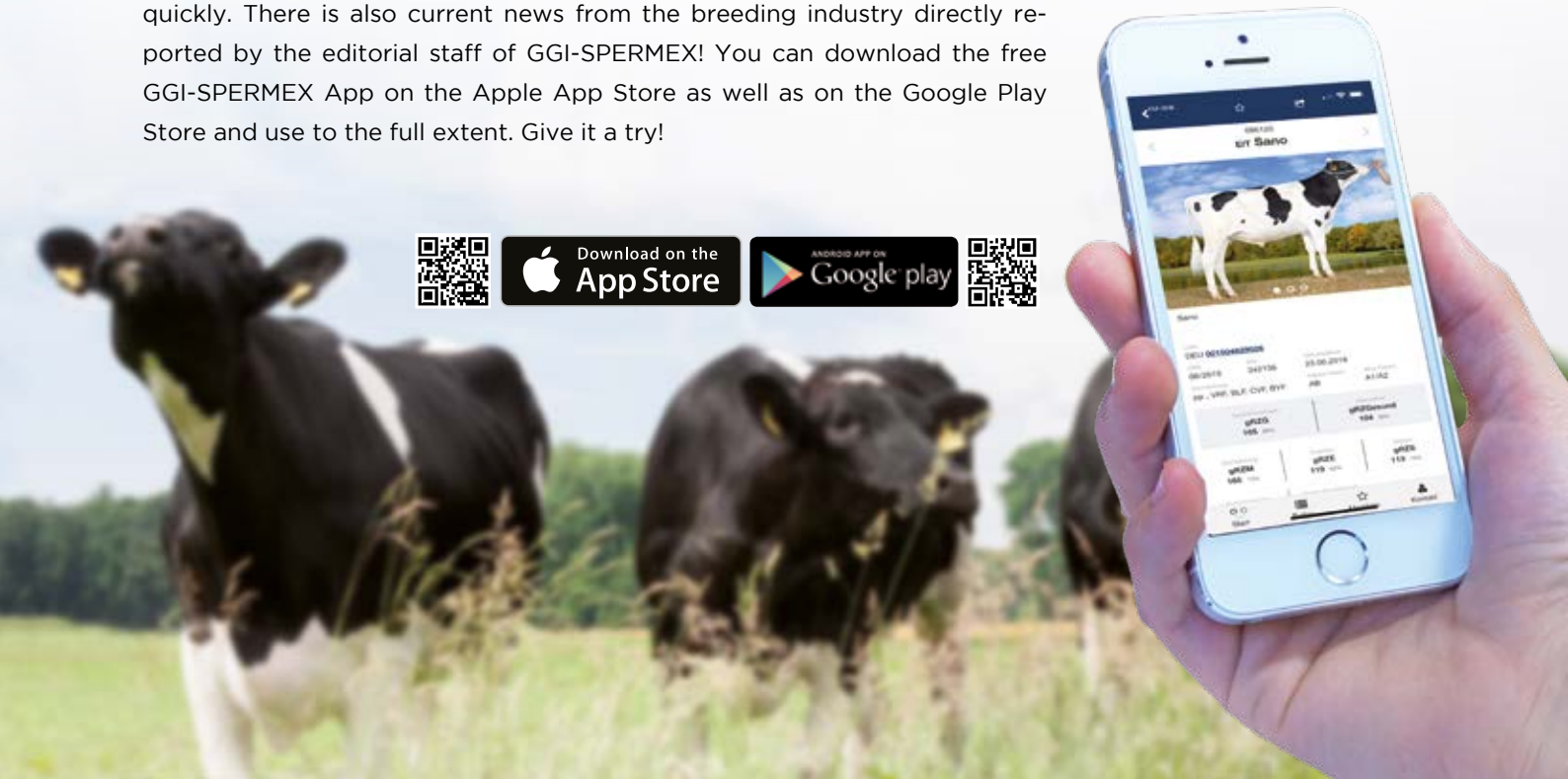
Current proofs of daughter proven GGI-SPERMEX top sires

(AUGUST 2019)

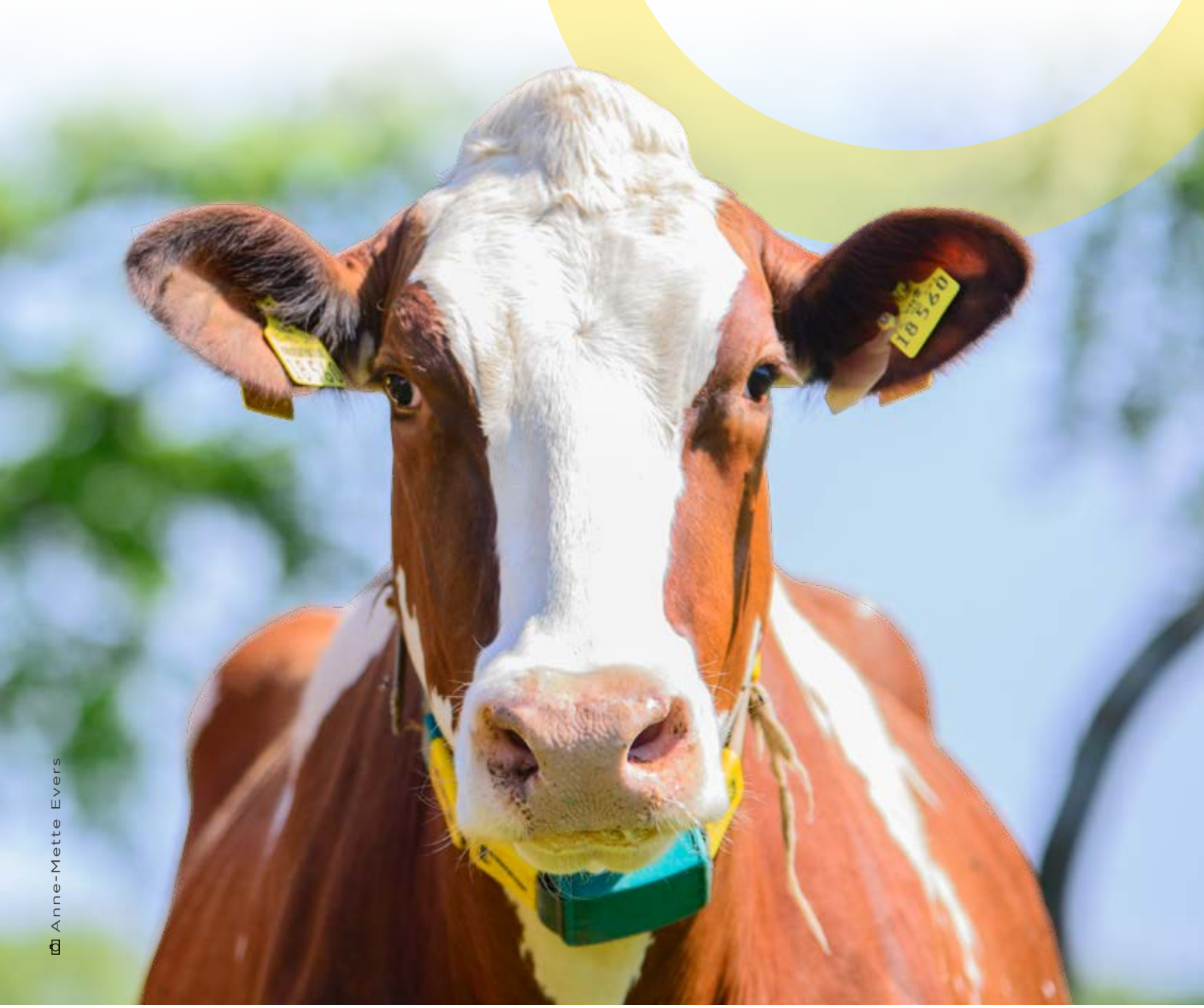
	Name	HB-No.	Sire	Maternal Sire	Milk-kg	Fat-%	Fat-kg	Protein-%	Protein-kg	RZM	Daughters	Herds	Dairy Type	Body	Feet & Legs	Udder	RZE	RZS	RZN	RZR	**RZG**	**RZ**health	**RZ**udderfit	**RZ**calfhealth	**RZ**hoof	**RZ**repro	**RZ**metabol	Beta Casein	RZRobot	RZK**d**	RZK**m**	aAa	Page
HOLSTEIN	**Balbo**	796330	Balisto	Bookem	+859	+0.46	+81	+0.10	+39	138	257	171	116	104	110	117	118	121	126	101	**146**	104	103	110	99	107	109	--/--	119	103	121	------	15
	Blacklist	571887	Balisto	Garrett	+1226	-0.17	+31	+0.14	+56	134	662	274	108	105	121	108	117	126	132	98	**146**	113	114	114	107	108	107	--/--	---	111	117	432615	16
	Sinclair	804345	Shaw	Beacon	+1350	+0.06	+60	-0.01	+44	135	685	190	78	106	114	122	118	107	117	116	**145**	110	106	93	104	119	104	--/--	---	109	90	342516	15
	Baltikum	619105	Balisto	Snowman	+853	+0.41	+76	+0.21	+50	142	1966	821	122	117	103	105	113	115	125	93	**144**	105	104	96	103	101	109	A1/A2	---	108	114	234165	12
	Mr Max	811488	Mogul	Super	+1957	-0.35	+37	-0.19	+45	130	2646	659	114	96	136	124	132	118	117	97	**143**	111	109	92	115	101	106	--/--	---	116	114	531426	14
	Calvo	811550	Commander	Epic	+1355	+0.11	+66	-0.05	+40	135	78	44	123	109	116	122	127	114	112	101	**141**	110	113	95	111	98	98	A2/A2	---	107	102	243156	17
	Come On	619124	Commander	Lexor	+800	+0.51	+83	+0.19	+46	142	174	100	106	112	91	110	107	99	111	112	**140**	107	104	92	108	104	103	A2/A2	---	117	104	234165	18
	Sukari	804334	Supersire	Gerard	+1414	-0.23	+32	±0.00	+48	131	181	43	105	107	112	125	123	97	121	111	**140**	114	114	108	107	109	114	A1/A2	115	107	113	243156	20
	Checkmate	571878	Aikman RDC	Beacon	+278	+0.47	+56	+0.28	+36	131	550	235	94	113	117	116	120	106	117	110	**139**	111	102	112	119	109	107	--/--	---	106	108	342516	18
	Malta	151576	Model	Snowman	+1517	+0.06	+67	-0.11	+39	135	259	151	116	115	135	113	130	99	111	97	**139**	101	92	104	108	107	105	A1/A2	118	97	117	423561	19
	Board	681573	Boss	Epic	+875	+0.06	+41	+0.09	+38	128	704	339	108	104	123	103	114	125	121	101	**138**	107	105	92	108	102	106	A1/A2	---	100	110	243165	17
	Explizit	680240	Epic	Bronco	+1052	-0.17	+24	+0.04	+39	125	3335	1066	109	113	111	118	121	93	127	118	**137**	99	98	120	102	100	96	A2/A2	---	112	99	534162	13
	Maibach	571861	Meridian	Snowman	+1818	-0.17	+52	-0.04	+57	140	1891	615	123	90	103	113	110	116	104	94	**137**	105	102	97	109	100	106	--/--	---	111	110	432156	14
	Balic	767500	Balisto	Epic	+1380	+0.04	+58	+0.05	+51	139	201	131	116	98	98	106	105	111	119	93	**136**	101	102	96	99	100	101	--/--	116	99	116	------	16
	Big Point	619043	Bookem	Man-O-Man	+1398	-0.40	+12	+0.01	+48	126	12044	3193	102	99	111	118	116	113	123	96	**135**	103	101	102	107	95	106	A2/A2	---	108	90	315246	12
	Midas	823112	Model	Goldwyn	+945	-0.13	+24	-0.04	+28	119	287	101	109	102	138	118	130	110	105	100	**129**	117	119	109	116	110	87	--/--	127	110	121	342516	20
	Delano	811549	Defender	McCutchen	+1034	-0.24	+16	-0.22	+12	110	78	42	115	101	108	148	135	120	112	110	**127**	107	112	110	104	98	100	--/--	---	99	121	243165	19
	Godewind	151518	Gold Chip	Sanchez	+248	+0.05	+15	-0.20	-11	98	2689	849	139	98	123	134	136	102	105	99	**110**	98	94	92	106	101	86	A2/A2	---	98	105	234156	13
RED HOLSTEIN	**Apoll P**	924726	Aikman RDC	Lawn Boy P	+2549	-0.44	+59	-0.13	+73	149	2240	1014	132	106	98	114	114	118	119	81	**146**	105	106	112	103	105	96	A2/B	---	103	110	243615	50
	Present	917580	Perfect Aiko RD	Logan	+1361	+0.37	+92	+0.07	+53	148	160	81	110	107	115	113	118	102	111	87	**143**	104	98	82	111	103	99	A2/A2	---	106	103	243156	52
	Fireman	588672	Fageno	Snowman	+1973	-0.01	+80	-0.20	+47	142	2584	901	115	101	98	105	105	114	114	92	**139**	104	103	114	100	108	105	A1/A2	---	94	107	432561	50
	Defago Red	588679	Fageno	Destry	+706	+0.36	+62	+0.12	+35	132	160	86	119	101	97	122	115	95	109	113	**134**	103	96	103	102	115	99	--/--	---	98	123	234165	51
	Snake Red	823079	Snow RF	Destry	+1419	-0.17	+42	+0.07	+55	137	4114	1213	111	108	101	126	120	98	102	85	**131**	105	104	105	111	97	101	A1/A1	---	116	96	234156	51
	Laser PP	917552	Label P	Ladd P	+618	+0.02	+28	+0.14	+33	123	45	33	118	104	117	111	118	116	120	101	**131**	110	112	108	110	102	93	--/--	---	106	103	234156	52

The GGI-SPERMEX Holstein and Red Holstein App for iOS and Android

Latest breeding values of more than 1,200 bulls from different breeds are always ready to hand with the **GGI-SPERMEX App for Holsteins and Red Holsteins**. Powerful filters help you make your individual choice. The search function allows you to look up data of certain bulls in a matter of seconds. You can save your personal choice in the list of favorites and find it any time quickly. There is also current news from the breeding industry directly reported by the editorial staff of GGI-SPERMEX! You can download the free GGI-SPERMEX App on the Apple App Store as well as on the Google Play Store and use to the full extent. Give it a try!



Holstein
Red Holstein
Angler/Red Cattle
Dual Purpose
Beef Breeds



Anne-Mette Evers

GGI-SPERMEX
Genetics made in Germany

GGI-SPERMEX GmbH

Ottostraße 26
85521 Ottobrunn
Germany

Phone: +49 89 665 98 46-0
Fax: +49 89 665 98 46-29

email: info@ggi-spermex.de
Internet: www.ggi-spermex.de

Am Osterfeld 14
49661 Cloppenburg-Bethen
Germany

Phone: +49 4471 91 74-0
Fax: +49 4471 91 74-74

email: info@ggi-spermex.de
Internet: www.ggi-spermex.de

Distribuidor en España:

IMPORT EXPORT BAS, SL
Carretera Martins, 24 - Parcel·la 5
17176 Sant Esteve d'en Bas (GIRONA)

Telefonos 972 690 426 · 649 425 331
www.bas-sl.com · info@bas-sl.com

redes sociales: @importexportbas

Printed in Germany