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IMPORT EXPORT BAS SL



**2022**

**GGI-SPERMEX**  
Genetics made in Germany

# **SIRE CATALOGUE**

Proofs: August 2022

# The whole is greater than the sum of its Take advantage of the many facets of

**Dear Fleckvieh friends, partners and customers,**

Germany has the biggest Fleckvieh population worldwide. Consequently, the German Fleckvieh breeding program - based on an intense testing through official institutions - is the largest and most efficient in the world. The methods of breeding value estimation are subject to constant improvement and are continually adapted to the needs of modern Fleckvieh breeding. The well-thought-out German breeding values guarantee that our customers from all over the world can select their A.I. bulls according to their special needs.

We carefully selected the best German Fleckvieh bulls available for this catalogue. However, we have many more Fleckvieh sires in our portfolio. Discover the entire range of our bulls on our website or in our app! There you can filter and range the bulls according to your interest and individual requirements. Once you have found out your personal favorites you can save them in a list in the app. The app also offers a comfortable offline mode in case you should not be able to connect to the Internet.

We would appreciate if you personally contacted us for more information and mating advice – we are always at your disposition! !

**Get our GGI-SPERMEX App here...**





# parts... German Genetics!



Page 2+3: Biene Pp daughter of Manolo Pp, 2nd lact.  
©Janne-Werke Evers  
Backcover photo: Inntal, dam of Matrose  
@Luca Noll

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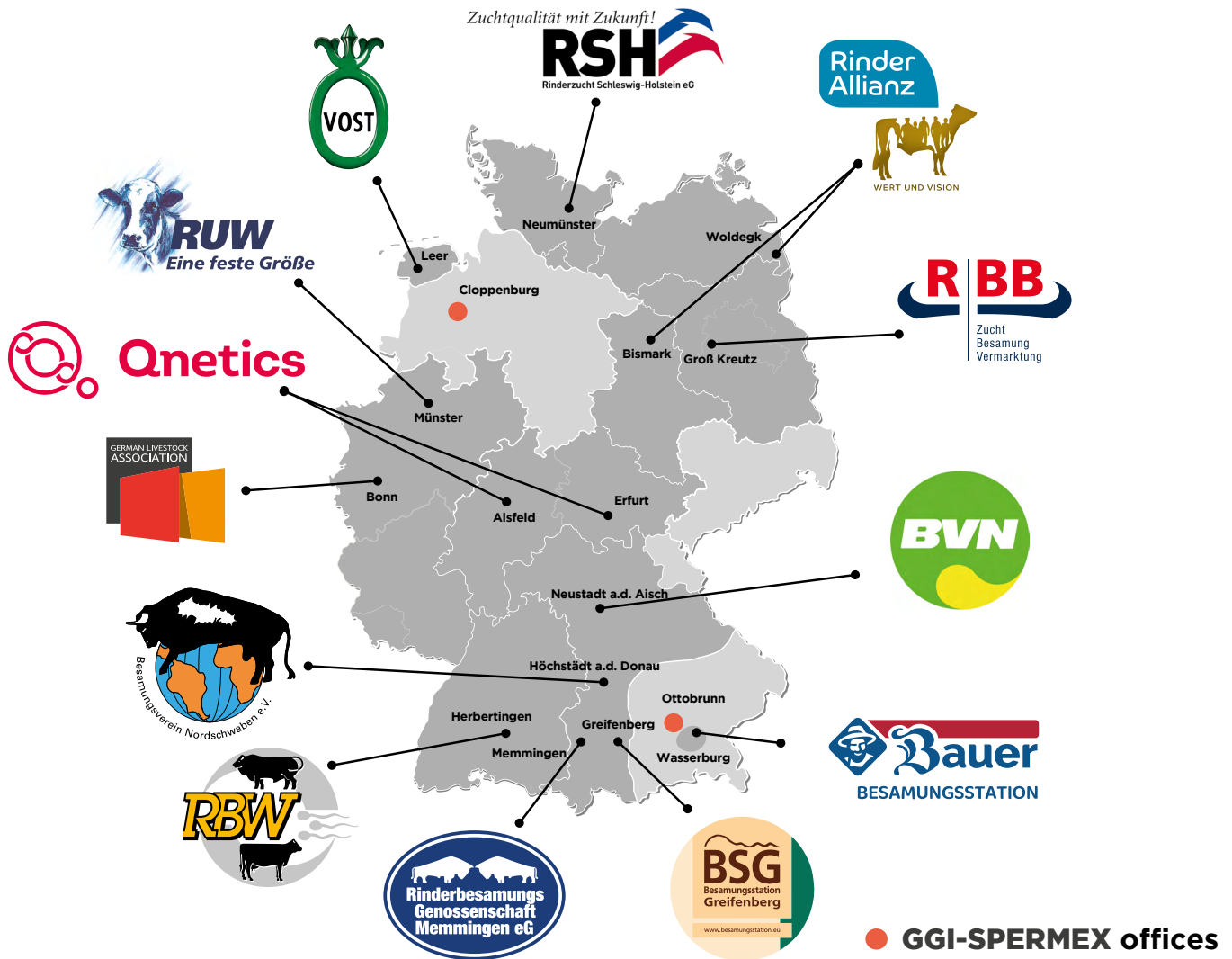
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# About GGI-SPERMEX



## About GGI-SPERMEX

GGI-SPERMEX GmbH represents 12 German breeding and A.I. organizations on the international market for cattle genetics, each of the 12 members from across Germany offering experience, know-how and genetics from their areas. Having their own, strong breeding programs based on the largest registered breeding populations worldwide, the members of GGI-SPERMEX have the entire variety of all cattle breeds in Germany – and at the highest genetic level.

### Unique portfolio

This results in a unique portfolio including – besides the key breeds Fleckvieh, Brown Swiss, Holstein and Red Holstein – more than 30 other breeds, i.e. dairy breeds, several dual purpose and beef breeds as well as local breeds.

In co-operation with our international partners, GGI-SPERMEX gives breeders

worldwide access to the entire potential of German cattle breeds.

### Reliable genetics

The German breeding philosophy aims at trouble-free cows with high milk productions, high components, good type traits, excellent feet and legs and functional, healthy udders. Also great value is attached to fertility and longevity. All sires in the portfolio of GGI-SPERMEX are tested with high reliability and accuracy, based on the worldwide leading estimation model for breeding values.

### Safe products

The semen collection centers run by the members of GGI-SPERMEX work with the highest hygienic standards and are subject to permanent and strict German and EU controls.

### Vast experience

GGI-SPERMEX can look back on decades of experience in exporting cattle semen. This ensures that semen and embryos ordered by our customers reach their destinations properly with all documentation necessary.

### Additional service

If needed, GGI-SPERMEX also provides additional service in all fields of cattle breeding and management.

### Production and sustainability

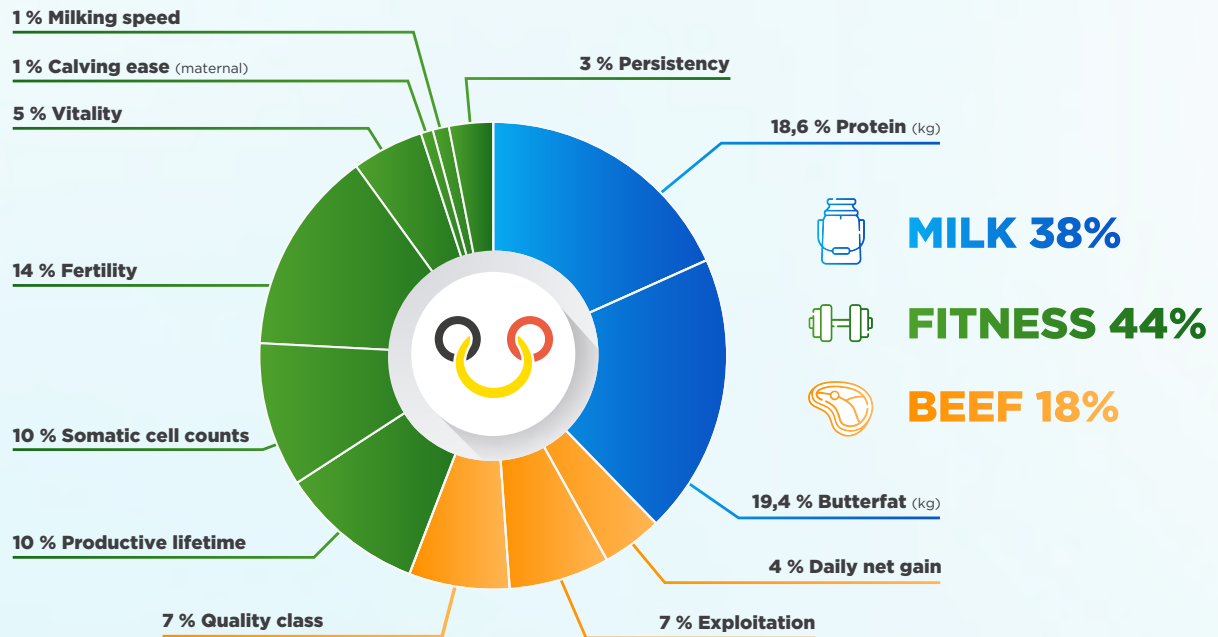
German cattle genetics are designed to please our customers not only in economic respects, but also contribute to a healthy and sustainable food production worldwide.

### Don't hesitate to contact us!



# GZW - Gesamtzuchtwert / TMI - Total Merit Index

Profit from the largest and most efficient Fleckvieh breeding program in the world!



**German Fleckvieh population:**

**842.449 cows under milk recording  
715.993 cows registered in herdbook**



# German Fleckvieh

Boost the profitability of your herd



**German Fleckvieh**  
Balanced dual purpose breed!  
Luca Noll

## Dual purpose – Milk and beef

Fleckvieh is a balanced dual purpose breed. Modern Fleckvieh cows convince with a high milk production and excellent components (4.2 % butterfat, 3.5 % protein). Apart from that Fleckvieh cattle show high growth rates and excellent muscularity. Due to their extraordinary daily net gains and premium beef quality male Fleckvieh calves are high in demand. Producing milk and beef in one animal provides the farmer high efficiency and flexibility under various market conditions.



**German Fleckvieh**  
Excellent functional traits  
maximize profitability!  
Luca Noll

## Fitness

Functional traits are the basis for efficient production and thus are just as important as production traits. In the German Fleckvieh breeding program great importance is attached to fitness traits. Fleckvieh cows stand out for fertility, easy calvings, longevity and persistency. They increase their milk production from one lactation to the next, which means that the young cows have sufficient time to grow and gain capacity and to develop into strong and productive dairy cows. The long productive life of Fleckvieh cows guarantees low costs for herd replacement.



**German Fleckvieh**  
Healthy cows give their owners  
pleasure!  
Luca Noll

## Health

Fleckvieh is a healthy and robust breed. Accordingly, Fleckvieh cows cause low veterinary costs. They have a stable metabolism due to their body mass and flat lactation curve. During lactation they are able to mobilize energy from their body reserves. When it comes to udder health, Fleckvieh cows are unbeatable – they have the lowest cell counts of all dairy breeds.



**German Fleckvieh**  
Produce healthy food with  
Fleckvieh!  
Wolfgang Schulze

## Healthy cows – healthy food

Fleckvieh is a very balanced breed that combines high milk and beef production with excellent fitness. This is not only important in economic respects but also forms the base for a healthy and sustainable food production. Modern Fleckvieh breeding focusses on healthy cows that contribute to the world's increasing demand for healthy food. With their excellent feed efficiency and their ability to produce lots of milk and beef from basic feed they are predestined for an environment-friendly food production.

Sunday, daughter of Mogens



Wolfgang Schulze



## Adaptation

Fleckvieh cows are suitable for barn- and pasture-based management systems. They work very well in grazing systems, extensive and intensive systems as well as on organic farms. They easily adapt to different climatic and geographic conditions. With their strong and sound feet and legs they can walk long distances if necessary. In areas where the cattle are exposed to increased solar radiation, animals profit from their excellent pigmentation, especially around the eyes. The large Fleckvieh population in Germany allows us to select from a huge number of animals those who fit the best into the respective environment and climatical conditions.

Fleckvieh cows are successful all over the world!



### German Fleckvieh

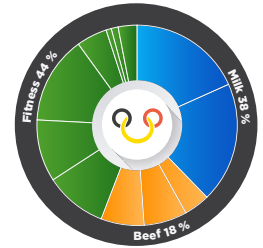
Proven in all kinds of climates and environments!

Anne-Mette Evers

## Breeding program and high data quality

Germany has the world's largest Fleckvieh population with more than 715.000 cows registered in the herd book and more than 840.000 cows under milk control. The estimation of the breeding values is conducted at independent computing centers in cooperation with other European countries in order to get comparable results in different environments. The

type evaluation of the cows is done by state officials, which guarantees completely independent results and keeps off any influence from economic interests of breeding companies. A precise animal identification system guarantees high data quality and a comprehensive data base.



### German Fleckvieh

Extensive data collection and independent estimation of breeding values!

## Genotyping

In 2019 two projects were established in the German Fleckvieh breeding program that aim at genotyping as many cows as possible to implement a broad "cow training sample" for the breed. The genotypes of the cows are directly correlated to their performance characteristics and thus help to estimate the genomic breeding values more reliably. This applies to the already known range of traits (milk, functional traits and conformation) but also to new traits related to health, hoof care and animal behavior, for which new breeding value estimation methods are being developed. From April 2021 on the results from the genotyping of the female animals are incorporated in the estimation of the breeding values.



### German Fleckvieh

Implementation of modern breeding methods!

Luca Noll

## Crossbreeding

Fleckvieh is very popular for crossbreeding with other dairy breeds and also with zebuine breeds in tropical climates. The F1 generation already is strong and healthy. In the second crossbreed generation the type comes closer to the purebred Fleckvieh type. In this catalogue you can find a list with recommendations of bulls suitable for different cross breeding generations (F1, F2, F3) and different breeds.



### German Fleckvieh

The ideal choice for crossbreeding!

Christine Massfeller

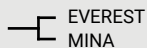
# Exklusiv

HB No. 10/862360  
LOM DE 09 52073262  
Born 20.05.2017

aAa 345216

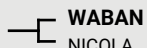
Pigm.: 45%

ETOSCHA



NAPOLI

4/4 12669 4,32 547 3,39 429



WABAN  
NICOLA

5/5 11203 4,47 501 3,50 393



RUPTAL

Fat-%

Fitness

Udder



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 135** 95%

MILK INDEX (D: 849, H: 551)

**MI 122** 99%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+841 +0,16 +49 -0,11 +20**

BEEF PERFORMANCE

**BI 108** 99%

Daily net gain Carcass percentage Carcass grade

**101 104 111**

FUNCTIONAL TRAITS

**FIT 116** 93%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
90	116	106	109	108	101	109	109	131



1071, daughter of Exklusiv

LINEAR DESCRIPTION

290 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	87								
Muscling	97								
Feet & Legs	112								
Udder	116								
Height at cross	84	small							large
Body length	94	short							long
Rump width	97	narrow							wide
Body depth	87	shallow							deep
Rump angle	94	ascending							sloped
Hock angularity	90	straight							sickled
Hock develop.	91	swollen							dry
Pasterns	114	weak							strong
Foot angle	107	low angles							steep angles
Fore udder length	98	short							long
Rear udder length	94	short							long
Fore udder att.	110	loose							tight
Susp. ligament	114	weak							strong
Udder depth	110	deep							high
Teat length	92	short							long
Teat thickness	100	thin							thick
Teat placem. (front)	112	wide							close
Teat placem. (rear)	100	wide							close
Teat direction (rear)	98	outwards							inwards
Udder cleanness	104	add. teats							clean udder

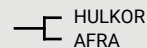
# Hokuspokus

HB No. 10/857432  
LOM DE 09 51718913  
Born 26.05.2016

aAa 531462

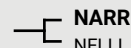
Pigm.: 47%

HURLY



NELLE

8/8 9556 4,14 396 3,59 343



NARR  
NELLI

5/5 6129 4,92 301 3,87 237



ZAHNER

Allround sire

Fitness

Udder



A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 135** 95%

MILK INDEX (D: 628, H: 435)

**MI 120** 99%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+543 +0,09 +31 +0,11 +29**

BEEF PERFORMANCE

**BI 109** 98%

Daily net gain Carcass percentage Carcass grade

**110 110 101**

FUNCTIONAL TRAITS

**FIT 117** 94%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
101	110	102	110	108	101	116	108	130



Arielle, daughter of Hokuspokus

LINEAR DESCRIPTION

190 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	110								
Muscling	98								
Feet & Legs	116								
Udder	126								
Height at cross	111	small							large
Body length	110	short							long
Rump width	103	narrow							wide
Body depth	108	shallow							deep
Rump angle	93	ascending							sloped
Hock angularity	106	straight							sickled
Hock develop.	112	swollen							dry
Pasterns	103	weak							strong
Foot angle	108	low angles							steep angles
Fore udder length	102	short							long
Rear udder length	101	short							long
Fore udder att.	120	loose							tight
Susp. ligament	95	weak							strong
Udder depth	117	deep							high
Teat length	95	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	118	wide							close
Teat placem. (rear)	100	wide							close
Teat direction (rear)	104	outwards							inwards
Udder cleanness	99	add. teats							clean udder



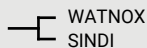
# Weitblick

HB No. 10/860110  
LOM DE 09 45642290  
Born 05.07.2017

aAa 423561

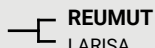
Pigm.: 32%

**WOBLER**



**LANESSA**

4/4 11974 3,52 422 3,59 430



4/4 10056 3,99 402 3,53 355

**ROUND UP**

**Milk**

**Beef**

**Fitness**



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 135** 95%

MILK INDEX (D: 851, H: 504)

**MI 119** 99%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1042 -0,16 +29 -0,11 +27**

BEEF PERFORMANCE

**BI 115** 99%

Daily net gain Carcass percentage Carcass grade

**101 120 108**

FUNCTIONAL TRAITS

**FIT 115** 94%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
105	109	111	120	103	111	106	98	133



Garniera, daughter of Weitblick

**LINEAR DESCRIPTION**

229 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	95				█				
Muscling	94				█				
Feet & Legs	112				█				
Udder	103				█				
Height at cross	96	small			█				large
Body length	96	short			█				long
Rump width	94	narrow			█				wide
Body depth	91	shallow			█				deep
Rump angle	109	ascending			█				sloped
Hock angularity	105	straight			█				sickled
Hock develop.	103	swollen			█				dry
Pasterns	102	weak			█				strong
Foot angle	106	low angles			█				steep angles
Fore udder length	101	short			█				long
Rear udder length	107	short			█				long
Fore udder att.	95	loose			█				tight
Susp. ligament	102	weak			█				strong
Udder depth	97	deep			█				high
Teat length	98	short			█				long
Teat thickness	104	thin			█				thick
Teat placem. (front)	108	wide			█		█		close
Teat placem. (rear)	100	wide			█				close
Teat direction (rear)	103	outwards			█				inwards
Udder cleanness	106	add. teats			█				clean udder

# Zazu

HB No. 10/180888  
LOM AT 26 5588 938  
Born 25.09.2016

aAa 534162

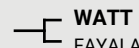
Pigm.: 44%

**ZEPTER**



**FARINYA**

5/4 10416 3,64 379 3,56 370



8/7 9964 4,35 434 3,55 354

**HUMPERT**

**Dual purpose**

**Fertility**

**Udder health**



A1A1

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 133** 97%

MILK INDEX (D: 1519, H: 865)

**MI 115** 99%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+583 -0,02 +23 +0,00 +20**

BEEF PERFORMANCE

**BI 119** 99%

Daily net gain Carcass percentage Carcass grade

**105 124 109**

FUNCTIONAL TRAITS

**FIT 115** 96%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
102	123	102	113	82	100	112	79	126



Linde, daughter of Zazu

**LINEAR DESCRIPTION**

507 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	93				█				
Muscling	102				█				
Feet & Legs	108				█				
Udder	98				█				
Height at cross	92	small			█				large
Body length	90	short			█				long
Rump width	101	narrow			█				wide
Body depth	95	shallow			█				deep
Rump angle	113	ascending			█				sloped
Hock angularity	112	straight			█				sickled
Hock develop.	109	swollen			█				dry
Pasterns	97	weak			█				strong
Foot angle	101	low angles			█				steep angles
Fore udder length	97	short			█				long
Rear udder length	112	short			█				long
Fore udder att.	81	loose			█				tight
Susp. ligament	110	weak			█				strong
Udder depth	99	deep			█				high
Teat length	97	short			█				long
Teat thickness	96	thin			█				thick
Teat placem. (front)	103	wide			█		█		close
Teat placem. (rear)	111	wide			█				close
Teat direction (rear)	102	outwards			█				inwards
Udder cleanness	101	add. teats			█				clean udder

progeny tested

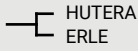
# Happyday

HB No. 10/854087  
LOM DE 09 53196908  
Born 05.07.2017

aAa 516432

Pigm.: 37%

**HUGOBOSS**



**AMICELI**

5/5 9712 3,52 341 3,65 355



2/2 9065 3,61 327 3,76 341

**GS RAVE**

**Milk**

**Feet & Legs**

**Udder health**



A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 131** 89%

MILK INDEX (D: 131, H: 113)

**MI 125** 96%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1428 -0,23 +38 -0,17 +34**

BEEF PERFORMANCE

**BI 100** 97%

Daily net gain Carcass percentage Carcass grade

**93 110 94**

FUNCTIONAL TRAITS

**FIT 111** 88%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
105	117	110	119	99	97	90	107	129



Weitall, daughter of Happyday

**LINEAR DESCRIPTION**

87 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	98								
Muscling	88								
Feet & Legs	118								
Udder	112								
Height at cross	99	small							large
Body length	96	short							long
Rump width	92	narrow							wide
Body depth	99	shallow							deep
Rump angle	114	ascending							sloped
Hock angularity	85	straight							sickled
Hock develop.	102	swollen							dry
Pasterns	120	weak							strong
Foot angle	117	low angles							steep angles
Fore udder length	108	short							long
Rear udder length	112	short							long
Fore udder att.	98	loose							tight
Susp. ligament	113	weak							strong
Udder depth	104	deep							high
Teat length	79	short							long
Teat thickness	89	thin							thick
Teat placem. (front)	104	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	112	outwards							inwards
Udder cleanness	103	add. teats							clean udder

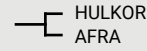
# Hazienda

HB No. 10/862130  
LOM DE 09 51424211  
Born 28.04.2016

aAa 456231

Pigm.: 38%

**HURLY**



**685**

1/1 9500 4,45 423 3,56 338



048  
7/7 9193 4,58 421 3,76 346

**Dual purpose**

**Longevity**

**Udder**



A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 131** 88%

MILK INDEX (D: 117, H: 95)

**MI 117** 96%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+644 +0,01 +28 -0,01 +22**

BEEF PERFORMANCE

**BI 116** 90%

Daily net gain Carcass percentage Carcass grade

**101 126 105**

FUNCTIONAL TRAITS

**FIT 114** 87%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
97	110	98	117	106	103	108	103	127



Wilma, daughter of Hazienda

**LINEAR DESCRIPTION**

49 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	90								
Muscling	96								
Feet & Legs	106								
Udder	111								
Height at cross	87	small							large
Body length	91	short							long
Rump width	91	narrow							wide
Body depth	94	shallow							deep
Rump angle	88	ascending							sloped
Hock angularity	92	straight							sickled
Hock develop.	95	swollen							dry
Pasterns	100	weak							strong
Foot angle	100	low angles							steep angles
Fore udder length	105	short							long
Rear udder length	101	short							long
Fore udder att.	105	loose							tight
Susp. ligament	100	weak							strong
Udder depth	101	deep							high
Teat length	105	short							long
Teat thickness	89	thin							thick
Teat placem. (front)	113	wide							close
Teat placem. (rear)	100	wide							close
Teat direction (rear)	99	outwards							inwards
Udder cleanness	105	add. teats							clean udder



# Mirsanguat

HB No. 10/862262  
LOM DE 09 52297345  
Born 14.01.2017

Pigm.: 35%

MIR

MANIGO  
GILREIF

EMPATHIE

MERTIN

1098

5/5 10697 4,39 470 3,86 412

994

4/4 10989 4,72 518 3,76 414

Fitness

Udder health

Prot-%



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 131** 89%

MILK INDEX (D: 101, H: 88)

**MI 115** 96%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+606** **-0,13** **+14** **+0,06** **+27**

BEEF PERFORMANCE

**BI 109** 92%

Daily net gain Carcass percentage Carcass grade

**117** **106** **102**

FUNCTIONAL TRAITS

**FIT 120** 88%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
98	123	115	117	103	101	107	100	130

# Vlatur

HB No. 10/427033  
LOM DE 08 16476213  
Born 13.07.2016

aAa 564123

Pigm.: 59%

VLARO

VLAX  
LILLIMARLEN

HUTERA

RENWART

URLE

5/5 7268 4,39 319 3,62 263

3/3 6336 4,85 307 3,81 241

Components

Type

Calving ease



A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 130** 95%

MILK INDEX (D: 542, H: 336)

**MI 122** 99%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+261** **+0,47** **+50** **+0,10** **+18**

BEEF PERFORMANCE

**BI 102** 98%

Daily net gain Carcass percentage Carcass grade

**100** **104** **101**

FUNCTIONAL TRAITS

**FIT 112** 93%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
106	108	100	106	110	97	115	98	126



Imela, daughter of Vlatur

## LINEAR DESCRIPTION 63 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	115								
Muscling	110								
Feet & Legs	104								
Udder	100								
Height at cross	116	small							large
Body length	119	short							long
Rump width	109	narrow							wide
Body depth	112	shallow							deep
Rump angle	101	ascending							sloped
Hock angularity	94	straight							sickled
Hock develop.	93	swollen							dry
Pasterns	100	weak							strong
Foot angle	124	low angles							steep angles
Fore udder length	100	short							long
Rear udder length	91	short							long
Fore udder att.	101	loose							tight
Susp. ligament	95	weak							strong
Udder depth	108	deep							high
Teat length	89	short							long
Teat thickness	90	thin							thick
Teat placem. (front)	89	wide							close
Teat placem. (rear)	87	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	104	add. teats							clean udder

## LINEAR DESCRIPTION 227 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	113								
Muscling	104								
Feet & Legs	110								
Udder	113								
Height at cross	115	small							large
Body length	118	short							long
Rump width	107	narrow							wide
Body depth	97	shallow							deep
Rump angle	114	ascending							sloped
Hock angularity	80	straight							sickled
Hock develop.	93	swollen							dry
Pasterns	112	weak							strong
Foot angle	110	low angles							steep angles
Fore udder length	115	short							long
Rear udder length	97	short							long
Fore udder att.	105	loose							tight
Susp. ligament	99	weak							strong
Udder depth	112	deep							high
Teat length	96	short							long
Teat thickness	112	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	110	wide							close
Teat direction (rear)	109	outwards							inwards
Udder cleanness	100	add. teats							clean udder

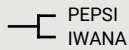
# Percussion

HB No. 10/862399  
LOM DE 09 52427815  
Born 26.05.2017

aAa 516342

Pigm.: 43%

**PERON**



PEPSI  
IWANA

**RISC**

200 T. 4995 4,24 212 3,90 195



IMPRESSION  
ROMA



MANTUA

7/6 9634 4,17 402 3,86 372

**Bloodline**

**Fitness**

**Teat length**



A1A1

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 130** 86%

MILK INDEX (D: 64, H: 58)

**MI 120** 94%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+583** **+0,05** **+28** **+0,11** **+30**

BEEF PERFORMANCE

**BI 102** 91%

Daily net gain Carcass percentage Carcass grade

**96** **110** **98**

FUNCTIONAL TRAITS

**FIT 115** 86%

MS	UH	Pers	PL	Calving ease CEp	CeM	Fert	VIT	ETMI
102	110	112	119	100	102	105	101	126



Daughter of Percussion, 1st lac.

## LINEAR DESCRIPTION

41 DAUGHTERS

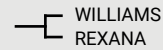
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	95								
Muscling	88								
Feet & Legs	104								
Udder	104								
Height at cross	96	small							large
Body length	96	short							long
Rump width	86	narrow							wide
Body depth	99	shallow							deep
Rump angle	90	ascending							sloped
Hock angularity	116	straight							sickled
Hock develop.	113	swollen							dry
Pasterns	100	weak							strong
Foot angle	97	low angles							steep angles
Fore udder length	101	short							long
Rear udder length	112	short							long
Fore udder att.	104	loose							tight
Susp. ligament	96	weak							strong
Udder depth	103	deep							high
Teat length	120	short							long
Teat thickness	110	thin							thick
Teat placem. (front)	92	wide							close
Teat placem. (rear)	88	wide							close
Teat direction (rear)	84	outwards							inwards
Udder cleanness	98	add. teats							clean udder

# Windspiel

HB No. 10/190687  
LOM DE 09 51236786  
Born 26.07.2016

Pigm.: 28%

**GS WERTVOLL**



WILLIAMS  
REXANA

**BANDITA**

5/5 10039 3,95 397 3,64 365



VANADIN  
BOMBE



WINNIPEG

7/6 11147 3,68 410 3,46 385

**Milk**

**Fitness**

**Type**



A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 130** 92%

MILK INDEX (D: 176, H: 149)

**MI 115** 97%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+741** **-0,11** **+21** **-0,05** **+22**

BEEF PERFORMANCE

**BI 109** 96%

Daily net gain Carcass percentage Carcass grade

**106** **111** **103**

FUNCTIONAL TRAITS

**FIT 117** 91%

MS	UH	Pers	PL	Calving ease CEp	CeM	Fert	VIT	ETMI
97	118	112	111	95	118	108	99	130



Daughter of Windspiel

## LINEAR DESCRIPTION

113 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	105								
Muscling	126								
Feet & Legs	104								
Udder	122								
Height at cross	102	small							large
Body length	108	short							long
Rump width	108	narrow							wide
Body depth	115	shallow							deep
Rump angle	96	ascending							sloped
Hock angularity	98	straight							sickled
Hock develop.	84	swollen							dry
Pasterns	109	weak							strong
Foot angle	120	low angles							steep angles
Fore udder length	115	short							long
Rear udder length	110	short							long
Fore udder att.	126	loose							tight
Susp. ligament	109	weak							strong
Udder depth	102	deep							high
Teat length	79	short							long
Teat thickness	90	thin							thick
Teat placem. (front)	98	wide							close
Teat placem. (rear)	101	wide							close
Teat direction (rear)	107	outwards							inwards
Udder cleanness	107	add. teats							clean udder

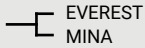


# Elfer

HB No. 10/865580  
LOM DE 09 52916223  
Born 26.04.2017

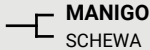
Pigm.: 57%

ETOSCHA



SCHEMA

4/4 8198 4,22 346 3,62 297



6/6 7974 4,87 388 3,74 298

ZAUBER

Milk

Fitness

Feet & Legs



A1A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 130** 88%

MILK INDEX (D: 102, H: 83)

**MI 114** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+890</b>	-0,27	+13	-0,06	+26

BEEF PERFORMANCE

**BI 117** 93%

Daily net gain	Carcass percentage	Carcass grade
<b>109</b>	<b>115</b>	<b>112</b>

FUNCTIONAL TRAITS

**FIT 116** 86%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>90</b>	<b>111</b>	<b>89</b>	<b>110</b>	<b>117</b>	<b>107</b>	<b>115</b>	<b>115</b>	<b>127</b>



Heida, daughter of Elfer

LINEAR DESCRIPTION

49 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	98				█				
Muscling	109				█	█	█		
Feet & Legs	122				█	█	█		
Udder	106				█	█	█		
Height at cross	95	small			█				large
Body length	100	short			█				long
Rump width	103	narrow			█				wide
Body depth	104	shallow			█				deep
Rump angle	118	ascending			█	█	█		sloped
Hock angularity	94	straight		█					sickled
Hock develop.	106	swollen			█	█	█		dry
Pasterns	112	weak			█	█	█		strong
Foot angle	116	low angles			█	█	█		steep angles
Fore udder length	114	short			█	█	█		long
Rear udder length	116	short			█	█	█		long
Fore udder att.	96	loose			█				tight
Susp. ligament	107	weak			█	█	█		strong
Udder depth	92	deep			█	█	█		high
Teat length	87	short		█					long
Teat thickness	94	thin		█					thick
Teat placem. (front)	106	wide			█	█	█		close
Teat placem. (rear)	107	wide			█	█	█		close
Teat direction (rear)	111	outwards			█	█	█		inwards
Udder cleanness	103	add. teats			█				clean udder

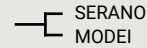
# Sisyphus

HB No. 10/180561  
LOM DE 06 66439378  
Born 07.01.2015

Pigm.: 34%

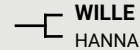
aAa 435261

SYMPOSIUM



HILLARY

1/1 9953 4,19 417 3,68 366



5/5 9388 4,17 392 3,63 341

VANSTEIN

Udder

Calving ease

Components



A2A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 130** 98%

MILK INDEX (D: 2301, H: 1149)

**MI 113** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+183</b>	+0,25	+28	+0,07	+12

BEEF PERFORMANCE

**BI 113** 99%

Daily net gain	Carcass percentage	Carcass grade
<b>108</b>	<b>108</b>	<b>113</b>

FUNCTIONAL TRAITS

**FIT 115** 98%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>123</b>	<b>111</b>	<b>102</b>	<b>105</b>	<b>113</b>	<b>105</b>	<b>116</b>	<b>106</b>	<b>123</b>



Verona, daughter of Sisyphus

LINEAR DESCRIPTION

743 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	89				█				
Muscling	114				█	█	█		
Feet & Legs	102				█	█	█		
Udder	122				█	█	█		
Height at cross	87	small			█				large
Body length	92	short			█				long
Rump width	97	narrow			█				wide
Body depth	92	shallow			█				deep
Rump angle	100	ascending			█	█	█		sloped
Hock angularity	100	straight		█					sickled
Hock develop.	95	swollen			█	█	█		dry
Pasterns	99	weak			█	█	█		strong
Foot angle	105	low angles			█	█	█		steep angles
Fore udder length	105	short			█	█	█		long
Rear udder length	97	short			█	█	█		long
Fore udder att.	119	loose			█	█	█		tight
Susp. ligament	108	weak			█	█	█		strong
Udder depth	110	deep			█	█	█		high
Teat length	92	short		█					long
Teat thickness	105	thin		█					thick
Teat placem. (front)	109	wide			█	█	█		close
Teat placem. (rear)	106	wide			█	█	█		close
Teat direction (rear)	114	outwards			█	█	█		inwards
Udder cleanness	100	add. teats			█				clean udder

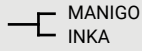
# Minor

HB No. 10/859670  
LOM DE 09 51711812  
Born 14.02.2016

aAa 435216

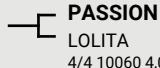
Pigm.: 41%

**MINT**



**LADY**

5/5 8674 4,48 388 3,80 330



**WINNIPEG**

4/4 10060 4,06 408 3,86 388

**Fitness**

**Feet & Legs**

**Calving ease**



A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 130** 94%

MILK INDEX (D: 442, H: 307)

**MI 112** 99%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+322 +0,00 +13 +0,12 +21**

BEEF PERFORMANCE

**BI 96** 97%

Daily net gain Carcass percentage Carcass grade

**94 98 98**

FUNCTIONAL TRAITS

**FIT 127** 93%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
88	132	95	117	112	104	117	111	123



Apache, daughter of Minor

**LINEAR DESCRIPTION**

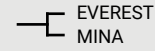
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>95</b>				█				
<b>Muscling</b>	<b>98</b>				█	█	█		
<b>Feet &amp; Legs</b>	<b>118</b>				█	█	█		
<b>Udder</b>	<b>113</b>				█	█	█		
Height at cross	95	small			█				large
Body length	99	short			█				long
Rump width	93	narrow			█				wide
Body depth	97	shallow			█				deep
Rump angle	111	ascending			█				sloped
Hock angularity	98	straight	█						sickled
Hock develop.	112	swollen			█				dry
Pasterns	103	weak			█				strong
Foot angle	110	low angles			█				steep angles
Fore udder length	91	short			█				long
Rear udder length	109	short			█				long
Fore udder att.	108	loose			█				tight
Susp. ligament	111	weak			█				strong
Udder depth	108	deep			█				high
Teat length	108	short			█				long
Teat thickness	98	thin			█				thick
Teat placem. (front)	103	wide			█		█		close
Teat placem. (rear)	106	wide			█				close
Teat direction (rear)	99	outwards			█				inwards
Udder cleanness	106	add. teats			█				clean udder

# Elsando

HB No. 10/606375  
LOM AT 33 6642 638  
Born 08.02.2017

Pigm.: 14%

**ETOSCHA**



**HERZOGIN**

8/7 13289 3,79 504 3,73 495



**WEINOLD**

11/9 11152 4,23 472 3,56 398

**Udder**

**Fitness**

**Beef**



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 130** 88%

MILK INDEX (D: 73, H: 65)

**MI 110** 96%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+870 -0,37 +3 -0,10 +22**

BEEF PERFORMANCE

**BI 115** 90%

Daily net gain Carcass percentage Carcass grade

**107 121 103**

FUNCTIONAL TRAITS

**FIT 123** 88%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
95	122	94	119	107	103	117	104	127



Esche, daughter of Elsando

**LINEAR DESCRIPTION**

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>103</b>				█				
<b>Muscling</b>	<b>104</b>				█	█	█		
<b>Feet &amp; Legs</b>	<b>106</b>				█	█	█		
<b>Udder</b>	<b>117</b>				█	█	█		
Height at cross	102	small			█				large
Body length	108	short			█				long
Rump width	106	narrow			█				wide
Body depth	100	shallow			█				deep
Rump angle	108	ascending			█				sloped
Hock angularity	99	straight	█						sickled
Hock develop.	93	swollen			█				dry
Pasterns	103	weak			█				strong
Foot angle	115	low angles			█				steep angles
Fore udder length	114	short			█				long
Rear udder length	91	short			█				long
Fore udder att.	106	loose			█				tight
Susp. ligament	104	weak			█				strong
Udder depth	109	deep			█				high
Teat length	96	short			█				long
Teat thickness	98	thin			█				thick
Teat placem. (front)	126	wide			█		█		close
Teat placem. (rear)	103	wide			█				close
Teat direction (rear)	105	outwards			█				inwards
Udder cleanness	112	add. teats			█				clean udder

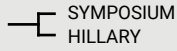


# Sirius

HB No. 10/854018  
LOM DE 09 52417644  
Born 01.03.2017

Pigm.: 5%

SISYPHUS



RUTH

2/2 7901 4,49 355 3,66 289



ROSE 5/5 7574 5,30 402 3,89 294

SALADIN

Dual purpose

Calving ease

Components



A1A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 129** 86%

MILK INDEX (D: 58, H: 49)

**MI 120** 94%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+640</b>	<b>+0,08</b>	<b>+33</b>	<b>+0,04</b>	<b>+26</b>

BEEF PERFORMANCE

**BI 112** 92%

Daily net gain	Carcass percentage	Carcass grade
<b>101</b>	<b>111</b>	<b>112</b>

FUNCTIONAL TRAITS

**FIT 107** 85%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>116</b>	<b>109</b>	<b>105</b>	<b>111</b>	<b>113</b>	<b>105</b>	<b>94</b>	<b>108</b>	<b>125</b>



Dora, daughter of Sirius

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	78		[Bar chart]						
Muscling	105		[Bar chart]						
Feet & Legs	109		[Bar chart]						
Udder	116		[Bar chart]						
Height at cross	73	small	[Bar chart]						large
Body length	84	short	[Bar chart]						long
Rump width	92	narrow	[Bar chart]						wide
Body depth	87	shallow	[Bar chart]						deep
Rump angle	85	ascending	[Bar chart]						sloped
Hock angularity	99	straight	[Bar chart]						sickled
Hock develop.	98	swollen	[Bar chart]						dry
Pasterns	101	weak	[Bar chart]						strong
Foot angle	106	low angles	[Bar chart]						steep angles
Fore udder length	101	short	[Bar chart]						long
Rear udder length	104	short	[Bar chart]						long
Fore udder att.	107	loose	[Bar chart]						tight
Susp. ligament	109	weak	[Bar chart]						strong
Udder depth	97	deep	[Bar chart]						high
Teat length	87	short	[Bar chart]						long
Teat thickness	101	thin	[Bar chart]						thick
Teat placem. (front)	119	wide	[Bar chart]						close
Teat placem. (rear)	106	wide	[Bar chart]						close
Teat direction (rear)	112	outwards	[Bar chart]						inwards
Udder cleanness	100	add. teats	[Bar chart]						clean udder

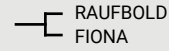
# Villeroy

HB No. 10/171300  
LOM DE 09 47673487  
Born 05.10.2012

Pigm.: 23%

aAa 423651

REUMUT



LIMA

8/8 10423 4,17 434 3,60 375



8/7 10834 4,35 471 3,61 391

ZAHNER

Longevity

Fertility

Udder



A1A1

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 129** 99%

MILK INDEX (D: 9659, H: 4341)

**MI 113** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+628</b>	<b>-0,15</b>	<b>+13</b>	<b>+0,00</b>	<b>+23</b>

BEEF PERFORMANCE

**BI 115** 99%

Daily net gain	Carcass percentage	Carcass grade
<b>111</b>	<b>111</b>	<b>112</b>

FUNCTIONAL TRAITS

**FIT 114** 99%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>112</b>	<b>100</b>	<b>96</b>	<b>116</b>	<b>100</b>	<b>107</b>	<b>116</b>	<b>103</b>	<b>127</b>



Ranke, daughter of Villeroy

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	92		[Bar chart]						
Muscling	96		[Bar chart]						
Feet & Legs	110		[Bar chart]						
Udder	114		[Bar chart]						
Height at cross	90	small	[Bar chart]						large
Body length	99	short	[Bar chart]						long
Rump width	96	narrow	[Bar chart]						wide
Body depth	92	shallow	[Bar chart]						deep
Rump angle	87	ascending	[Bar chart]						sloped
Hock angularity	97	straight	[Bar chart]						sickled
Hock develop.	97	swollen	[Bar chart]						dry
Pasterns	108	weak	[Bar chart]						strong
Foot angle	113	low angles	[Bar chart]						steep angles
Fore udder length	114	short	[Bar chart]						long
Rear udder length	113	short	[Bar chart]						long
Fore udder att.	113	loose	[Bar chart]						tight
Susp. ligament	99	weak	[Bar chart]						strong
Udder depth	101	deep	[Bar chart]						high
Teat length	116	short	[Bar chart]						long
Teat thickness	91	thin	[Bar chart]						thick
Teat placem. (front)	121	wide	[Bar chart]						close
Teat placem. (rear)	105	wide	[Bar chart]						close
Teat direction (rear)	106	outwards	[Bar chart]						inwards
Udder cleanness	104	add. teats	[Bar chart]						clean udder

# Whatever

HB No. 10/427018  
LOM DE 08 16320104  
Born 03.08.2015

Pigm.: 32%

GS WOHLTAT

WILLE  
ZARINA

EGVE

6/5 9566 3,57 342 3,33 319

EVEREST  
EGGA

4/4 7467 3,51 262 3,33 249

RESOLUT

Beef

Longevity

Milking speed



A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 129** 97%

MILK INDEX (D: 1098, H: 515)

**MI 112** 99%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+403 -0,01 +16 +0,06 +19**

BEEF PERFORMANCE

**BI 128** 97%

Daily net gain Carcass percentage Carcass grade

**122 126 115**

FUNCTIONAL TRAITS

**FIT 108** 96%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
121	106	101	113	102	104	104	94	125



Ferrero, daughter of Whatever

LINEAR DESCRIPTION

331 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	107				█				
Muscling	107				█				
Feet & Legs	107				█				
Udder	105				█				
Height at cross	107	small			█				large
Body length	103	short			█				long
Rump width	106	narrow			█				wide
Body depth	109	shallow			█				deep
Rump angle	105	ascending			█				sloped
Hock angularity	105	straight		□	█				sickled
Hock develop.	94	swollen			█				dry
Pasterns	107	weak			█				strong
Foot angle	102	low angles			█				steep angles
Fore udder length	102	short			█				long
Rear udder length	106	short			█				long
Fore udder att.	97	loose			█				tight
Susp. ligament	98	weak			█				strong
Udder depth	100	deep			█				high
Teat length	92	short			█				long
Teat thickness	98	thin			█				thick
Teat placem. (front)	103	wide			█		□		close
Teat placem. (rear)	100	wide			█				close
Teat direction (rear)	102	outwards			█				inwards
Udder cleanness	94	add. teats			█				clean udder

# Herkules

HB No. 10/865556  
LOM DE 09 52599720  
Born 09.02.2017

Pigm.: 8%

HERZSCHLAG

HUTERA  
LEONIE

AMELIE

5/4 10374 4,89 507 3,67 381

REUMUT  
ANGELA

4/4 10078 4,98 502 3,78 381

WEINOLD

Milk

Fat-%

Udder



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 127** 91%

MILK INDEX (D: 214, H: 158)

**MI 135** 97%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1035 +0,34 +74 -0,03 +34**

BEEF PERFORMANCE

**BI 95** 97%

Daily net gain Carcass percentage Carcass grade

**110 93 91**

FUNCTIONAL TRAITS

**FIT 95** 90%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
131	91	86	101	102	103	99	102	115



LINEAR DESCRIPTION

100 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	112				█				
Muscling	79				█				
Feet & Legs	87				█				
Udder	118				█				
Height at cross	110	small			█				large
Body length	111	short			█				long
Rump width	109	narrow			█				wide
Body depth	115	shallow			█				deep
Rump angle	106	ascending			█				sloped
Hock angularity	93	straight		□	█				sickled
Hock develop.	90	swollen			█				dry
Pasterns	85	weak			█				strong
Foot angle	104	low angles			█				steep angles
Fore udder length	128	short			█				long
Rear udder length	100	short			█				long
Fore udder att.	107	loose			█				tight
Susp. ligament	109	weak			█				strong
Udder depth	101	deep			█				high
Teat length	86	short			█				long
Teat thickness	89	thin			█				thick
Teat placem. (front)	114	wide			█		□		close
Teat placem. (rear)	119	wide			█				close
Teat direction (rear)	132	outwards			█				inwards
Udder cleanness	97	add. teats			█				clean udder



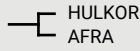
# Hilfinger

HB No. 10/427034  
LOM DE 08 16589529  
Born 19.07.2016

aAa 423651

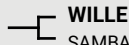
Pigm.: 32%

**HURLY**



**SAMBA**

6/6 9441 3,91 369 3,65 344



**VANSTEIN**

2/2 6324 4,21 266 3,68 233

**Milk**

**Udder**

**Beef**



A2A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 127** 97%

MILK INDEX (D: 1789, H: 779)

**MI 123** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+968</b>	-0,10	<b>+32</b>	<b>+0,01</b>	<b>+36</b>

BEEF PERFORMANCE

**BI 115** 99%

Daily net gain	Carcass percentage	Carcass grade
<b>110</b>	<b>121</b>	<b>102</b>

FUNCTIONAL TRAITS

**FIT 99** 96%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>101</b>	<b>104</b>	<b>102</b>	<b>108</b>	<b>104</b>	<b>101</b>	<b>88</b>	<b>104</b>	<b>121</b>



Schmetterling, daughter of Hilfinger

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>115</b>								
<b>Muscling</b>	<b>94</b>								
<b>Feet &amp; Legs</b>	<b>104</b>								
<b>Udder</b>	<b>122</b>								
Height at cross	119	small							large
Body length	113	short							long
Rump width	107	narrow							wide
Body depth	100	shallow							deep
Rump angle	82	ascending							sloped
Hock angularity	98	straight							sickled
Hock develop.	99	swollen							dry
Pasterns	100	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	106	short							long
Rear udder length	106	short							long
Fore udder att.	114	loose							tight
Susp. ligament	97	weak							strong
Udder depth	117	deep							high
Teat length	98	short							long
Teat thickness	97	thin							thick
Teat placem. (front)	122	wide							close
Teat placem. (rear)	110	wide							close
Teat direction (rear)	107	outwards							inwards
Udder cleanness	105	add. teats							clean udder

# Zerberus

HB No. 10/871035  
LOM DE 09 52307136  
Born 22.12.2016

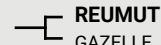
Pigm.: 61%

**ZEPTER**



**56889**

2/2 5928 4,10 243 3,73 221



**WINNIPEG**

5/5 10157 3,34 339 3,72 377

**Dual purpose**

**Fat-%**

**Udder**



A1A1

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 127** 85%

MILK INDEX (D: 36, H: 33)

**MI 122** 93%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+816</b>	<b>+0,05</b>	<b>+39</b>	<b>-0,02</b>	<b>+27</b>

BEEF PERFORMANCE

**BI 111** 89%

Daily net gain	Carcass percentage	Carcass grade
<b>110</b>	<b>109</b>	<b>106</b>

FUNCTIONAL TRAITS

**FIT 106** 85%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>102</b>	<b>114</b>	<b>88</b>	<b>109</b>	<b>97</b>	<b>103</b>	<b>100</b>	<b>98</b>	<b>121</b>

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>111</b>								
<b>Muscling</b>	<b>103</b>								
<b>Feet &amp; Legs</b>	<b>109</b>								
<b>Udder</b>	<b>114</b>								
Height at cross	109	small							large
Body length	109	short							long
Rump width	111	narrow							wide
Body depth	109	shallow							deep
Rump angle	115	ascending							sloped
Hock angularity	91	straight							sickled
Hock develop.	97	swollen							dry
Pasterns	103	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	115	short							long
Rear udder length	112	short							long
Fore udder att.	104	loose							tight
Susp. ligament	105	weak							strong
Udder depth	103	deep							high
Teat length	106	short							long
Teat thickness	95	thin							thick
Teat placem. (front)	120	wide							close
Teat placem. (rear)	109	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	97	add. teats							clean udder

progeny tested

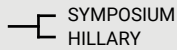
# Sunrise

HB No. 10/854205  
LOM DE 09 53196995  
Born 29.11.2017

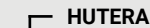
aAa 516342

Pigm.: 57%

**SISYPHUS**



**MINT**



**KUBA**

3/3 10757 4,31 464 3,38 363

KISS ME

5/5 10242 4,02 412 3,66 375

Dual purpose

Milking speed

Calving ease



A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 127** 88%

MILK INDEX (D: 78, H: 63)

**MI 121** 94%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1006 -0,11 +32 -0,09 +28**

BEEF PERFORMANCE

**BI 109** 98%

Daily net gain Carcass percentage Carcass grade

**116 96 112**

FUNCTIONAL TRAITS

**FIT 108** 88%

MS	UH	Pers	PL	Calving ease CEp	CeM	Fert	VIT	ETMI
115	113	92	107	112	107	102	102	117

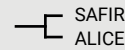
# Sehrgut

HB No. 10/163990  
LOM DE 09 47357352  
Born 17.11.2012

aAa 516432

Pigm.: 39%

**SERANO**



**EMILI**

11/11 11348 4,05 460 3,57 405

**WINNIPEG**

EMORA

7/7 9792 3,85 377 3,54 346



Milk

Udder health

Teat length



A2A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 126** 98%

MILK INDEX (D: 6315, H: 3509)

**MI 121** 99%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1046 -0,16 +29 -0,05 +32**

BEEF PERFORMANCE

**BI 97** 99%

Daily net gain Carcass percentage Carcass grade

**105 93 99**

FUNCTIONAL TRAITS

**FIT 108** 98%

MS	UH	Pers	PL	Calving ease CEp	CeM	Fert	VIT	ETMI
101	116	98	109	109	90	95	113	121



Epik, daughter of Sehrgut

## LINEAR DESCRIPTION 43 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	100								
Muscling	104								
Feet & Legs	109								
Udder	107								
Height at cross	96	small							large
Body length	104	short							long
Rump width	109	narrow							wide
Body depth	104	shallow							deep
Rump angle	102	ascending							sloped
Hock angularity	102	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	106	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	102	short							long
Rear udder length	106	short							long
Fore udder att.	101	loose							tight
Susp. ligament	111	weak							strong
Udder depth	98	deep							high
Teat length	94	short							long
Teat thickness	103	thin							thick
Teat placem. (front)	107	wide							close
Teat placem. (rear)	105	wide							close
Teat direction (rear)	108	outwards							inwards
Udder cleanness	101	add. teats							clean udder

## LINEAR DESCRIPTION 935 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	93								
Muscling	92								
Feet & Legs	105								
Udder	108								
Height at cross	93	small							large
Body length	96	short							long
Rump width	90	narrow							wide
Body depth	95	shallow							deep
Rump angle	101	ascending							sloped
Hock angularity	96	straight							sickled
Hock develop.	100	swollen							dry
Pasterns	99	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	122	short							long
Rear udder length	120	short							long
Fore udder att.	107	loose							tight
Susp. ligament	113	weak							strong
Udder depth	91	deep							high
Teat length	119	short							long
Teat thickness	99	thin							thick
Teat placem. (front)	105	wide							close
Teat placem. (rear)	112	wide							close
Teat direction (rear)	122	outwards							inwards
Udder cleanness	106	add. teats							clean udder



# Mylife Pp\*

HB No. 10/177717  
LOM DE 09 51740056  
Born 29.09.2016

aAa 456321

Pigm.: 52%

**MAHANGO Pp\***

— MUNGO Pp\*  
— FALTER

**LERCHE Pp\***

3/3 9161 4,01 367 3,58 328

— GRIMM P\*S — WINNIPEG  
— LIPEK  
6/4 9964 4,32 430 3,53 351

**Dual purpose**

**Capacity**

**Type**



A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 126** 95%

MILK INDEX (D: 786, H: 535)

**MI 117** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+828</b>	-0,09	<b>+26</b>	-0,06	<b>+24</b>

BEEF PERFORMANCE

**BI 112** 98%

Daily net gain	Carcass percentage	Carcass grade
<b>113</b>	<b>107</b>	<b>109</b>

FUNCTIONAL TRAITS

**FIT 107** 94%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>108</b>	<b>104</b>	<b>98</b>	<b>107</b>	<b>99</b>	<b>111</b>	<b>107</b>	<b>97</b>	<b>123</b>



Felli, daughter of Mylife Pp

**LINEAR DESCRIPTION**

203 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>113</b>								
<b>Muscling</b>	<b>121</b>								
<b>Feet &amp; Legs</b>	<b>100</b>								
<b>Udder</b>	<b>122</b>								
Height at cross	111	small							large
Body length	115	short							long
Rump width	116	narrow							wide
Body depth	104	shallow							deep
Rump angle	107	ascending							sloped
Hock angularity	105	straight							sickled
Hock develop.	88	swollen							dry
Pasterns	105	weak							strong
Foot angle	119	low angles							steep angles
Fore udder length	102	short							long
Rear udder length	104	short							long
Fore udder att.	115	loose							tight
Susp. ligament	102	weak							strong
Udder depth	115	deep							high
Teat length	87	short							long
Teat thickness	96	thin							thick
Teat placem. (front)	108	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	108	outwards							inwards
Udder cleanness	106	add. teats							clean udder

# Elevation

HB No. 10/862300  
LOM DE 09 52073377  
Born 24.02.2017

aAa 564132

Pigm.: 56%

**ETOSCHA**

— EVEREST  
— MINA

**910**

4/4 12385 3,38 418 3,27 405

— GS PANDORA — IKEBANA  
— LIBERTY  
6/6 12080 3,78 457 3,45 416

**Fitness**

**Udder**

**Milk**



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 126** 88%

MILK INDEX (D: 105, H: 83)

**MI 111** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+972</b>	-0,36	<b>+8</b>	-0,13	<b>+22</b>

BEEF PERFORMANCE

**BI 101** 94%

Daily net gain	Carcass percentage	Carcass grade
<b>104</b>	<b>98</b>	<b>102</b>

FUNCTIONAL TRAITS

**FIT 123** 87%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>89</b>	<b>122</b>	<b>103</b>	<b>114</b>	<b>98</b>	<b>110</b>	<b>114</b>	<b>109</b>	<b>124</b>



Daughter of Elevation

**LINEAR DESCRIPTION**

78 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>109</b>								
<b>Muscling</b>	<b>109</b>								
<b>Feet &amp; Legs</b>	<b>108</b>								
<b>Udder</b>	<b>114</b>								
Height at cross	108	small							large
Body length	111	short							long
Rump width	104	narrow							wide
Body depth	108	shallow							deep
Rump angle	97	ascending							sloped
Hock angularity	85	straight							sickled
Hock develop.	91	swollen							dry
Pasterns	115	weak							strong
Foot angle	115	low angles							steep angles
Fore udder length	106	short							long
Rear udder length	91	short							long
Fore udder att.	100	loose							tight
Susp. ligament	108	weak							strong
Udder depth	109	deep							high
Teat length	80	short							long
Teat thickness	99	thin							thick
Teat placem. (front)	120	wide							close
Teat placem. (rear)	119	wide							close
Teat direction (rear)	120	outwards							inwards
Udder cleanness	108	add. teats							clean udder

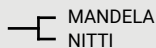
# Manolo Pp\*

HB No. 10/856830  
LOM DE 09 48496774  
Born 16.02.2015

aAa 324615

Pigm.: 29%

**MANIGO**



**WAPULS**



**FANFEE**

7/7 9389 4,14 389 3,48 327

**FANTA P**

8/7 8577 3,60 309 3,46 297

Type

Fitness

Calving ease



A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 126** 99%

MILK INDEX (D: 4056, H: 2123)

**MI 109** 99%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+775** **-0,33** **+3** **-0,08** **+20**

BEEF PERFORMANCE

**BI 112** 99%

Daily net gain Carcass percentage Carcass grade

**107** **115** **105**

FUNCTIONAL TRAITS

**FIT 117** 99%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
89	119	90	123	114	108	101	113	125



Andrea, daughter of Manolo Pp\*

LINEAR DESCRIPTION

703 DAUGHTERS

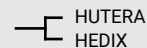
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	116								
Muscling	111								
Feet & Legs	134								
Udder	112								
Height at cross	118	small							large
Body length	116	short							long
Rump width	106	narrow							wide
Body depth	108	shallow							deep
Rump angle	115	ascending							sloped
Hock angularity	104	straight							sickled
Hock develop.	126	swollen							dry
Pasterns	112	weak							strong
Foot angle	117	low angles							steep angles
Fore udder length	114	short							long
Rear udder length	108	short							long
Fore udder att.	103	loose							tight
Susp. ligament	101	weak							strong
Udder depth	107	deep							high
Teat length	113	short							long
Teat thickness	98	thin							thick
Teat placem. (front)	96	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	107	outwards							inwards
Udder cleanness	101	add. teats							clean udder

# Hornbach

HB No. 10/865549  
LOM DE 09 52380488  
Born 10.01.2017

Pigm.: 14%

**HOUDINI**



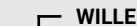
**AMPERA**

3/3 7542 4,62 348 3,67 277

**REUMUT**

**NIKOLA**

2/2 5646 4,07 230 3,54 200



**WILLE**

Milk

Udder length

Central ligament



A1A1

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 125** 86%

MILK INDEX (D: 56, H: 48)

**MI 126** 94%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1045** **-0,02** **+41** **-0,03** **+34**

BEEF PERFORMANCE

**BI 99** 91%

Daily net gain Carcass percentage Carcass grade

**99** **96** **102**

FUNCTIONAL TRAITS

**FIT 104** 86%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
96	102	99	103	102	109	104	99	118

LINEAR DESCRIPTION

44 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	98								
Muscling	105								
Feet & Legs	98								
Udder	106								
Height at cross	96	small							large
Body length	102	short							long
Rump width	98	narrow							wide
Body depth	103	shallow							deep
Rump angle	100	ascending							sloped
Hock angularity	99	straight							sickled
Hock develop.	97	swollen							dry
Pasterns	93	weak							strong
Foot angle	110	low angles							steep angles
Fore udder length	109	short							long
Rear udder length	110	short							long
Fore udder att.	96	loose							tight
Susp. ligament	115	weak							strong
Udder depth	94	deep							high
Teat length	105	short							long
Teat thickness	111	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	102	outwards							inwards
Udder cleanness	92	add. teats							clean udder



# Ventura

HB No. 10/167444  
LOM DE 09 51268521  
Born 17.05.2016

aAa 561432

GF.: F5C

Pigm.: 22%

**RALDI**

GS RAU  
NEPOLDI

**EUROPA**

3/2 10680 4,80 513 3,73 399

REUMUT  
ENGEL

VANSTEIN

4/4 10139 4,64 471 3,88 394

**Components**

**Udder**

**Calving ease**



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 125** 93%

MILK INDEX (D: 265, H: 170)

**MI 123** 98%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+594 +0,22 +44 +0,05 +25**

BEEF PERFORMANCE

**BI 107** 97%

Daily net gain Carcass percentage Carcass grade

**101 108 104**

FUNCTIONAL TRAITS

**FIT 103** 92%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
96	112	97	106	113	105	93	99	123



Rainbow, daughter of Ventura

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>98</b>								
<b>Muscling</b>	<b>98</b>								
<b>Feet &amp; Legs</b>	<b>107</b>								
<b>Udder</b>	<b>115</b>								
Height at cross	93	small							large
Body length	102	short							long
Rump width	101	narrow							wide
Body depth	111	shallow							deep
Rump angle	93	ascending							sloped
Hock angularity	96	straight							sickled
Hock develop.	107	swollen							dry
Pasterns	100	weak							strong
Foot angle	103	low angles							steep angles
Fore udder length	108	short							long
Rear udder length	108	short							long
Fore udder att.	105	loose							tight
Susp. ligament	116	weak							strong
Udder depth	95	deep							high
Teat length	95	short							long
Teat thickness	97	thin							thick
Teat placem. (front)	133	wide							close
Teat placem. (rear)	121	wide							close
Teat direction (rear)	116	outwards							inwards
Udder cleanness	105	add. teats							clean udder

# Wonigo

HB No. 10/871041  
LOM DE 09 52513470  
Born 28.02.2017

Pigm.: 31%

**WOBLER**

WATNOX  
SINDI

**INES**

5/4 8430 4,68 394 3,74 315

MANIGO  
INSTER

WINNIPEG

5/5 8397 4,53 380 3,62 304

**Milk**

**Beef**

**Rear udder**



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 125** 90%

MILK INDEX (D: 189, H: 133)

**MI 120** 97%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+848 -0,08 +28 +0,00 +30**

BEEF PERFORMANCE

**BI 114** 97%

Daily net gain Carcass percentage Carcass grade

**117 106 112**

FUNCTIONAL TRAITS

**FIT 101** 88%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
113	95	100	104	101	102	103	101	121



Miss, daughter of Wonigo

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>103</b>								
<b>Muscling</b>	<b>110</b>								
<b>Feet &amp; Legs</b>	<b>106</b>								
<b>Udder</b>	<b>102</b>								
Height at cross	100	small							large
Body length	104	short							long
Rump width	101	narrow							wide
Body depth	109	shallow							deep
Rump angle	99	ascending							sloped
Hock angularity	105	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	102	weak							strong
Foot angle	110	low angles							steep angles
Fore udder length	108	short							long
Rear udder length	122	short							long
Fore udder att.	103	loose							tight
Susp. ligament	99	weak							strong
Udder depth	86	deep							high
Teat length	99	short							long
Teat thickness	103	thin							thick
Teat placem. (front)	108	wide							close
Teat placem. (rear)	108	wide							close
Teat direction (rear)	112	outwards							inwards
Udder cleanness	99	add. teats							clean udder

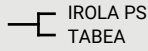
# Irregut P\*S

HB No. 10/190509  
LOM DE 09 50075810  
Born 10.08.2015

aAa 435261

Pigm.: 15%

**IROKES P\*S**



**KIPFE**

3/3 12192 4,17 509 3,53 430



1/1 7668 4,12 316 3,18 244

**RESOLUT**

**Milk**

**Components**

**Capacity**



A2A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 124** 96%

MILK INDEX (D: 664, H: 487)

**MI 134** 99%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+734 +0,35 +62 +0,17 +41**

BEEF PERFORMANCE

**BI 109** 98%

Daily net gain Carcass percentage Carcass grade

**118 104 102**

FUNCTIONAL TRAITS

**FIT 85** 95%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
104	101	93	92	102	98	78	98	113



Fee, daughter of Irregut P\*S

**LINEAR DESCRIPTION**

213 DAUGHTERS

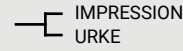
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	113								
Muscling	112								
Feet & Legs	100								
Udder	99								
Height at cross	110	small							large
Body length	118	short							long
Rump width	116	narrow							wide
Body depth	115	shallow							deep
Rump angle	106	ascending							sloped
Hock angularity	106	straight							sickled
Hock develop.	90	swollen							dry
Pasterns	96	weak							strong
Foot angle	100	low angles							steep angles
Fore udder length	109	short							long
Rear udder length	100	short							long
Fore udder att.	99	loose							tight
Susp. ligament	85	weak							strong
Udder depth	102	deep							high
Teat length	94	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	73	wide							close
Teat placem. (rear)	82	wide							close
Teat direction (rear)	96	outwards							inwards
Udder cleanness	109	add. teats							clean udder

# Impossum

HB No. 10/646301  
LOM DE 06 67162194  
Born 29.08.2017

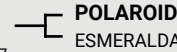
Pigm.: 32%

**IMPERATIV**



**EVELIS**

1/1 11386 4,54 517 3,57 407



38 T. 1448 3,73 54 3,45 50

**EVEREST**

**Fat-%**

**Fitness**

**Muscling**



A1/A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 124** 90%

MILK INDEX (D: 109, H: 83)

**MI 115** 96%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+379 +0,19 +32 +0,00 +13**

BEEF PERFORMANCE

**BI 109** 99%

Daily net gain Carcass percentage Carcass grade

**106 110 105**

FUNCTIONAL TRAITS

**FIT 110** 89%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
109	117	103	104	98	98	102	103	120



**LINEAR DESCRIPTION**

52 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	100								
Muscling	114								
Feet & Legs	102								
Udder	104								
Height at cross	98	small							large
Body length	103	short							long
Rump width	101	narrow							wide
Body depth	99	shallow							deep
Rump angle	110	ascending							sloped
Hock angularity	94	straight							sickled
Hock develop.	98	swollen							dry
Pasterns	107	weak							strong
Foot angle	111	low angles							steep angles
Fore udder length	99	short							long
Rear udder length	99	short							long
Fore udder att.	96	loose							tight
Susp. ligament	102	weak							strong
Udder depth	103	deep							high
Teat length	88	short							long
Teat thickness	104	thin							thick
Teat placem. (front)	93	wide							close
Teat placem. (rear)	94	wide							close
Teat direction (rear)	98	outwards							inwards
Udder cleanness	98	add. teats							clean udder



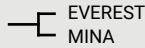
# Edelstein

HB No. 10/858110  
LOM DE 09 53147492  
Born 04.10.2017

aAa 462513

Pigm.: 59%

ETOSCHA



646

4/3 11217 4,12 462 3,80 426

534

5/5 12204 4,06 495 3,60 439

Udder

Prot-%

Fitness



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 124** 91%

MILK INDEX (D: 199, H: 165)

**MI 107** 96%

milk-kg fat-% fat-kg prot-% prot-kg

**+249 -0,02 +9 +0,03 +11**

BEEF PERFORMANCE

**BI 105** 99%

Daily net gain Carcass percentage Carcass grade

**102 111 97**

FUNCTIONAL TRAITS

**FIT 122** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	114	106	121	107	105	119	98	130



Gestein, daughter of Edelstein

## LINEAR DESCRIPTION

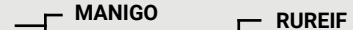
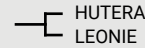
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	108								
Muscling	105								
Feet & Legs	112								
Udder	141								
Height at cross	111	small							large
Body length	115	short							long
Rump width	104	narrow							wide
Body depth	92	shallow							deep
Rump angle	99	ascending							sloped
Hock angularity	100	straight							sickled
Hock develop.	106	swollen							dry
Pasterns	112	weak							strong
Foot angle	109	low angles							steep angles
Fore udder length	88	short							long
Rear udder length	77	short							long
Fore udder att.	126	loose							tight
Susp. ligament	113	weak							strong
Udder depth	146	deep							high
Teat length	82	short							long
Teat thickness	81	thin							thick
Teat placem. (front)	110	wide							close
Teat placem. (rear)	97	wide							close
Teat direction (rear)	109	outwards							inwards
Udder cleanness	101	add. teats							clean udder

# Hill

HB No. 10/857787  
LOM DE 09 52411860  
Born 01.03.2017

Pigm.: 34%

HERZSCHLAG



ANNELI

5/4 10067 3,99 402 3,84 387

ANNE

4/4 11778 4,02 474 3,64 429

Milk

Milking speed

Feet & Legs



A1A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 123** 88%

MILK INDEX (D: 103, H: 79)

**MI 126** 96%

milk-kg fat-% fat-kg prot-% prot-kg

**+1068 -0,05 +40 -0,04 +34**

BEEF PERFORMANCE

**BI 110** 93%

Daily net gain Carcass percentage Carcass grade

**113 102 110**

FUNCTIONAL TRAITS

**FIT 94** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	103	91	106	93	101	85	97	114



Ramona, daughter of Hill

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	101								
Muscling	95								
Feet & Legs	114								
Udder	110								
Height at cross	101	small							large
Body length	97	short							long
Rump width	101	narrow							wide
Body depth	102	shallow							deep
Rump angle	93	ascending							sloped
Hock angularity	102	straight							sickled
Hock develop.	111	swollen							dry
Pasterns	102	weak							strong
Foot angle	108	low angles							steep angles
Fore udder length	117	short							long
Rear udder length	109	short							long
Fore udder att.	99	loose							tight
Susp. ligament	106	weak							strong
Udder depth	96	deep							high
Teat length	88	short							long
Teat thickness	102	thin							thick
Teat placem. (front)	95	wide							close
Teat placem. (rear)	113	wide							close
Teat direction (rear)	122	outwards							inwards
Udder cleanness	106	add. teats							clean udder

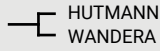
# Hood

HB No. 10/190468  
LOM DE 09 50836621  
Born 31.05.2015

aAa 423651

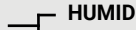
Pigm.: 37%

HUTERA



BLUNA

11/11 7851 4,09 321 3,30 259



HUMID

BLONDI

4/4 9010 4,35 392 3,75 338



ROMEL

Dual purpose

Fat-%

Capacity



A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 123** 95%

MILK INDEX (D: 460, H: 299)

**MI 116** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+589</b>	<b>+0,08</b>	<b>+32</b>	<b>-0,05</b>	<b>+16</b>

BEEF PERFORMANCE

**BI 120** 97%

Daily net gain	Carcass percentage	Carcass grade
<b>125</b>	<b>114</b>	<b>111</b>

FUNCTIONAL TRAITS

**FIT 102** 94%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>98</b>	<b>107</b>	<b>90</b>	<b>93</b>	<b>97</b>	<b>105</b>	<b>104</b>	<b>103</b>	<b>117</b>



Trulla, daughter of Hood

LINEAR DESCRIPTION

136 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	122								
Muscling	107								
Feet & Legs	108								
Udder	106								
Height at cross	123	small							large
Body length	126	short							long
Rump width	122	narrow							wide
Body depth	111	shallow							deep
Rump angle	105	ascending							sloped
Hock angularity	97	straight							sickled
Hock develop.	92	swollen							dry
Pasterns	106	weak							strong
Foot angle	111	low angles							steep angles
Fore udder length	111	short							long
Rear udder length	103	short							long
Fore udder att.	106	loose							tight
Susp. ligament	97	weak							strong
Udder depth	103	deep							high
Teat length	104	short							long
Teat thickness	106	thin							thick
Teat placem. (front)	94	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	107	outwards							inwards
Udder cleanness	108	add. teats							clean udder

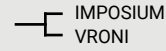
# Imperativ

HB No. 10/193800  
LOM DE 09 51041694  
Born 08.07.2015

aAa 423615

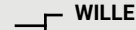
Pigm.: 42%

IMPRESSION



URKE

6/6 10581 4,22 446 3,76 398



WILLE

URLI



RAINER

5/4 11982 3,80 456 3,53 423

Components

Feet & Legs

Calving ease



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 123** 99%

MILK INDEX (D: 3685, H: 1956)

**MI 112** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+144</b>	<b>+0,22</b>	<b>+24</b>	<b>+0,10</b>	<b>+13</b>

BEEF PERFORMANCE

**BI 107** 99%

Daily net gain	Carcass percentage	Carcass grade
<b>97</b>	<b>111</b>	<b>104</b>

FUNCTIONAL TRAITS

**FIT 111** 99%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>104</b>	<b>103</b>	<b>96</b>	<b>105</b>	<b>110</b>	<b>97</b>	<b>115</b>	<b>111</b>	<b>120</b>



Jacky, daughter of Imperativ

LINEAR DESCRIPTION

1117 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	90								
Muscling	99								
Feet & Legs	111								
Udder	105								
Height at cross	93	small							large
Body length	92	short							long
Rump width	87	narrow							wide
Body depth	88	shallow							deep
Rump angle	105	ascending							sloped
Hock angularity	94	straight							sickled
Hock develop.	105	swollen							dry
Pasterns	102	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	106	short							long
Rear udder length	99	short							long
Fore udder att.	104	loose							tight
Susp. ligament	104	weak							strong
Udder depth	99	deep							high
Teat length	94	short							long
Teat thickness	108	thin							thick
Teat placem. (front)	96	wide							close
Teat placem. (rear)	95	wide							close
Teat direction (rear)	100	outwards							inwards
Udder cleanness	98	add. teats							clean udder



# Jungspund

HB No. 10/862458  
LOM DE 09 53119106  
Born 07.10.2017

Pigm.: 63%

JANDA

HERMANN  
HERZBLATT

765

5/4 11081 3,83 424 3,63 403

EVEREST

539

5/5 10264 3,82 392 3,43 352

ROMEL

Udder

Fertility

Fitness



A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 123** 87%

MILK INDEX (D: 84, H: 78)

**MI 110** 95%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+424** **-0,04** **+14** **+0,00** **+15**

BEEF PERFORMANCE

**BI 106** 93%

Daily net gain Carcass percentage Carcass grade

**106** **98** **110**

FUNCTIONAL TRAITS

**FIT 118** 86%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
95	112	100	107	102	101	119	109	118



## LINEAR DESCRIPTION

42 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	107								
Muscling	102								
Feet & Legs	106								
Udder	115								
Height at cross	106	small							large
Body length	107	short							long
Rump width	107	narrow							wide
Body depth	108	shallow							deep
Rump angle	106	ascending							sloped
Hock angularity	109	straight							sickled
Hock develop.	111	swollen							dry
Pasterns	99	weak							strong
Foot angle	103	low angles							steep angles
Fore udder length	104	short							long
Rear udder length	102	short							long
Fore udder att.	106	loose							tight
Susp. ligament	116	weak							strong
Udder depth	109	deep							high
Teat length	84	short							long
Teat thickness	82	thin							thick
Teat placem. (front)	117	wide							close
Teat placem. (rear)	108	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	103	add. teats							clean udder

# Maybach PP\*

HB No. 10/857990  
LOM DE 09 52785787  
Born 11.09.2017

aAa 453162

Pigm.: 44%

MAHANGO Pp\*

MUNGO Pp  
FALTER

MELLISSA

4/4 8483 4,44 377 3,60 305

ZWIEFACH PP\*

MELLISSA

2/2 9122 4,00 365 3,32 303

DEXTRO

Milk

Beef

Fitness



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 123** 91%

MILK INDEX (D: 304, H: 227)

**MI 109** 97%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+624** **-0,04** **+23** **-0,20** **+5**

BEEF PERFORMANCE

**BI 121** 98%

Daily net gain Carcass percentage Carcass grade

**118** **120** **110**

FUNCTIONAL TRAITS

**FIT 110** 90%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
98	105	96	112	98	116	110	95	120



Dairysun, daughter of Maybach PP

## LINEAR DESCRIPTION

91 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	102								
Muscling	113								
Feet & Legs	102								
Udder	109								
Height at cross	103	small							large
Body length	106	short							long
Rump width	105	narrow							wide
Body depth	94	shallow							deep
Rump angle	112	ascending							sloped
Hock angularity	93	straight							sickled
Hock develop.	100	swollen							dry
Pasterns	105	weak							strong
Foot angle	96	low angles							steep angles
Fore udder length	100	short							long
Rear udder length	87	short							long
Fore udder att.	107	loose							tight
Susp. ligament	95	weak							strong
Udder depth	114	deep							high
Teat length	117	short							long
Teat thickness	92	thin							thick
Teat placem. (front)	89	wide							close
Teat placem. (rear)	81	wide							close
Teat direction (rear)	95	outwards							inwards
Udder cleanness	92	add. teats							clean udder

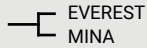
# Elstar

HB No. 10/606376  
LOM AT 32 3511 938  
Born 09.03.2017

aAa 564132

Pigm.: 39%

ETOSCHA



WILLIAMS



REWANA

4/3 10552 4,38 462 3,59 378

2/1 9874 5,16 509 3,68 364

Dual purpose

Type

Calving ease



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 121** 86%

MILK INDEX (D: 50, H: 42)

**MI 113** 94%

milk-kg fat-% fat-kg prot-% prot-kg

**+700 -0,16 +15 -0,05 +20**

BEEF PERFORMANCE

**BI 113** 89%

Daily net gain Carcass percentage Carcass grade

**113 112 107**

FUNCTIONAL TRAITS

**FIT 106** 85%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
107	116	91	108	116	107	94	104	120



Elisa, daughter of Elstar

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	114								
Muscling	98								
Feet & Legs	116								
Udder	118								
Height at cross	114	small							large
Body length	115	short							long
Rump width	109	narrow							wide
Body depth	108	shallow							deep
Rump angle	117	ascending							sloped
Hock angularity	100	straight							sickled
Hock develop.	106	swollen							dry
Pasterns	113	weak							strong
Foot angle	117	low angles							steep angles
Fore udder length	98	short							long
Rear udder length	95	short							long
Fore udder att.	108	loose							tight
Susp. ligament	107	weak							strong
Udder depth	113	deep							high
Teat length	90	short							long
Teat thickness	109	thin							thick
Teat placem. (front)	122	wide							close
Teat placem. (rear)	103	wide							close
Teat direction (rear)	98	outwards							inwards
Udder cleanness	105	add. teats							clean udder

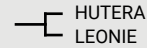
# Herzpochen

HB No. 10/190800  
LOM DE 09 51854398  
Born 12.01.2017

aAa 516342

Pigm.: 36%

HERZSCHLAG



VANADIN



BANDITA

5/5 10039 3,95 397 3,64 365

7/6 11147 3,68 410 3,46 385

Milking speed

Dual purpose

Calving ease



A1A1

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 120** 97%

MILK INDEX (D: 1518, H: 807)

**MI 116** 99%

milk-kg fat-% fat-kg prot-% prot-kg

**+424 +0,18 +33 +0,00 +15**

BEEF PERFORMANCE

**BI 117** 99%

Daily net gain Carcass percentage Carcass grade

**125 107 111**

FUNCTIONAL TRAITS

**FIT 97** 96%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
118	99	105	99	111	107	93	103	119



Jupita, daughter of Herzpochen

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	109								
Muscling	127								
Feet & Legs	103								
Udder	117								
Height at cross	103	small							large
Body length	113	short							long
Rump width	124	narrow							wide
Body depth	113	shallow							deep
Rump angle	87	ascending							sloped
Hock angularity	97	straight							sickled
Hock develop.	83	swollen							dry
Pasterns	109	weak							strong
Foot angle	112	low angles							steep angles
Fore udder length	108	short							long
Rear udder length	98	short							long
Fore udder att.	130	loose							tight
Susp. ligament	96	weak							strong
Udder depth	109	deep							high
Teat length	106	short							long
Teat thickness	92	thin							thick
Teat placem. (front)	89	wide							close
Teat placem. (rear)	90	wide							close
Teat direction (rear)	100	outwards							inwards
Udder cleanness	105	add. teats							clean udder



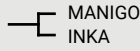
# Mirolu

HB No. 10/427007  
LOM DE 08 15987833  
Born 15.05.2015

aAa 342156

Pigm.: 57%

**MINT**

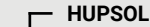


**IDA**

5/4 8757 4,12 361 3,45 302



IMELDA



HUPSOL

6/6 10902 3,86 421 3,29 359

**Type**

**Udder health**

**Fertility**



A2A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 119** 95%

MILK INDEX (D: 589, H: 285)

**MI 114** 99%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+673 -0,13 +17 -0,02 +23**

BEEF PERFORMANCE

**BI 96** 96%

Daily net gain Carcass percentage Carcass grade

**101 102 90**

FUNCTIONAL TRAITS

**FIT 110** 95%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
95	109	85	106	93	104	115	96	111



Galitei, daughter of Mirolu

**LINEAR DESCRIPTION**

250 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	111								
Muscling	102								
Feet & Legs	109								
Udder	112								
Height at cross	114	small							large
Body length	108	short							long
Rump width	103	narrow							wide
Body depth	108	shallow							deep
Rump angle	96	ascending							sloped
Hock angularity	107	straight							sickled
Hock develop.	114	swollen							dry
Pasterns	98	weak							strong
Foot angle	91	low angles							steep angles
Fore udder length	111	short							long
Rear udder length	110	short							long
Fore udder att.	99	loose							tight
Susp. ligament	110	weak							strong
Udder depth	107	deep							high
Teat length	93	short							long
Teat thickness	86	thin							thick
Teat placem. (front)	109	wide							close
Teat placem. (rear)	119	wide							close
Teat direction (rear)	106	outwards							inwards
Udder cleanness	105	add. teats							clean udder

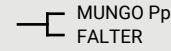
# Malaga Pp

HB No. 10/427060  
LOM DE 08 16809429  
Born 17.07.2017

aAa 426531

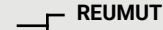
Pigm.: 22%

**MAHANGO Pp\***



**DORTY**

5/4 11125 3,86 430 3,70 412



DORTHE



ROTAX

3/3 7164 3,65 262 3,59 257

**All round sire**

**Type**

**Longevity**



A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 119** 96%

MILK INDEX (D: 1414, H: 804)

**MI 110** 99%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+565 -0,02 +22 -0,11 +10**

BEEF PERFORMANCE

**BI 105** 99%

Daily net gain Carcass percentage Carcass grade

**97 115 96**

FUNCTIONAL TRAITS

**FIT 110** 95%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
90	104	97	115	109	112	110	90	121



Inora, daughter of Malaga Pp

**LINEAR DESCRIPTION**

443 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	116								
Muscling	98								
Feet & Legs	109								
Udder	116								
Height at cross	118	small							large
Body length	113	short							long
Rump width	101	narrow							wide
Body depth	113	shallow							deep
Rump angle	118	ascending							sloped
Hock angularity	85	straight							sickled
Hock develop.	97	swollen							dry
Pasterns	103	weak							strong
Foot angle	120	low angles							steep angles
Fore udder length	106	short							long
Rear udder length	105	short							long
Fore udder att.	108	loose							tight
Susp. ligament	116	weak							strong
Udder depth	106	deep							high
Teat length	116	short							long
Teat thickness	99	thin							thick
Teat placem. (front)	121	wide							close
Teat placem. (rear)	116	wide							close
Teat direction (rear)	107	outwards							inwards
Udder cleanness	100	add. teats							clean udder

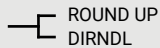
# Vlutlicht

HB No. 10/171715  
LOM DE 09 49898525  
Born 22.08.2014

aAa 426351

Pigm.: 66%

ROTGLUT



WUCHTI

3/3 10109 4,04 408 3,48 351



WEINOLD

3/3 9181 3,85 353 3,32 305

Milk

Beef

Type



A1A1

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 117** 93%

MILK INDEX (D: 145, H: 122)

**MI 114** 97%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+772** **-0,19** **+15** **-0,04** **+24**

BEEF PERFORMANCE

**BI 120** 98%

Daily net gain Carcass percentage Carcass grade

**118** **119** **109**

FUNCTIONAL TRAITS

**FIT 95** 93%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
112	102	105	107	102	97	90	80	114



Goldmi, daughter of Vlutlicht

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	114								
Muscling	104								
Feet & Legs	113								
Udder	113								
Height at cross	115	small							large
Body length	115	short							long
Rump width	98	narrow							wide
Body depth	115	shallow							deep
Rump angle	105	ascending							sloped
Hock angularity	92	straight							sickled
Hock develop.	88	swollen							dry
Pasterns	118	weak							strong
Foot angle	116	low angles							steep angles
Fore udder length	114	short							long
Rear udder length	106	short							long
Fore udder att.	112	loose							tight
Susp. ligament	85	weak							strong
Udder depth	104	deep							high
Teat length	101	short							long
Teat thickness	113	thin							thick
Teat placem. (front)	105	wide							close
Teat placem. (rear)	91	wide							close
Teat direction (rear)	100	outwards							inwards
Udder cleanness	103	add. teats							clean udder

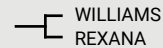
74 DAUGHTERS

# Wertheim

HB No. 10/190672  
LOM DE 09 51373142  
Born 21.06.2016

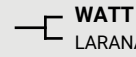
Pigm.: 36%

GS WERTVOLL



LAMORE

2/2 7542 4,00 302 3,51 265



REUMUT

5/5 8471 4,43 375 3,28 278

Milk

Udder health

Udder



A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 117** 87%

MILK INDEX (D: 54, H: 43)

**MI 114** 95%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+811** **-0,10** **+25** **-0,14** **+16**

BEEF PERFORMANCE

**BI 91** 88%

Daily net gain Carcass percentage Carcass grade

**94** **87** **97**

FUNCTIONAL TRAITS

**FIT 110** 87%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
112	114	110	106	102	114	99	102	119



Daughter of Wertheim

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	110								
Muscling	109								
Feet & Legs	99								
Udder	113								
Height at cross	106	small							large
Body length	112	short							long
Rump width	115	narrow							wide
Body depth	110	shallow							deep
Rump angle	106	ascending							sloped
Hock angularity	100	straight							sickled
Hock develop.	82	swollen							dry
Pasterns	112	weak							strong
Foot angle	115	low angles							steep angles
Fore udder length	96	short							long
Rear udder length	108	short							long
Fore udder att.	114	loose							tight
Susp. ligament	112	weak							strong
Udder depth	105	deep							high
Teat length	111	short							long
Teat thickness	100	thin							thick
Teat placem. (front)	117	wide							close
Teat placem. (rear)	110	wide							close
Teat direction (rear)	114	outwards							inwards
Udder cleanness	107	add. teats							clean udder

41 DAUGHTERS



# Crossbreeding

## Suitability of the proven bulls for crossbreeding

p.	Name	BK	aAa	TMI	ECO	Index milk	Milk (kg)	fat-%	prot.-%	F+P (kg)	Index beef	FIT	Cp	CC	MS	F	M	F&L	UC	Holstein F1	F2/F3	RB	J
23	Edelstein	A1A2	462513	124	130	107	+249	-0,02	0,03	20	105	122	107	108	101	108	105	112	141	x			
19	Exkluvion	A1A2	564132	126	124	111	+972	-0,36	-0,13	30	101	123	98	125	89	109	109	108	114		x		x
13	Eifer	A1A2		130	127	114	+890	-0,27	-0,06	39	117	116	117	113	90	98	109	122	106	x	x		
14	Elsando	A1A2		130	127	110	+870	-0,37	-0,10	25	115	123	107	124	95	103	104	106	117		x	x	x
26	Elstar	A1A2	564132	121	120	113	+700	-0,16	-0,05	35	113	106	116	115	107	114	98	116	118		x	x	x
8	Exklusiv	A1A2	345216	135	131	122	+841	0,16	-0,11	69	108	116	108	117	90	87	97	112	116	x	x		
10	Happyday	A2A2	516432	131	129	125	+1428	-0,23	-0,17	72	100	111	99	119	105	98	88	118	112		x	x	
10	Hazienda	A2A2	456231	131	127	117	+644	0,01	-0,01	50	116	114	106	111	97	90	96	106	111	x			
16	Herkules	A1A2		127	115	135	+1035	0,34	-0,03	108	95	95	102	91	131	112	79	87	118		x		
26	Herzpochen	A1A1	516342	120	119	116	+424	0,18	0,00	48	117	97	111	100	118	109	127	103	117	x		x	x
17	Hilfinger	A2A2	423651	127	121	123	+968	-0,10	0,01	68	115	99	104	102	101	115	94	104	122		x	x	
23	Hill	A1A2		123	114	126	+1068	-0,05	-0,04	74	110	94	93	108	110	101	95	114	110		x	x	
8	Hokuspokus	A2A2	531462	135	130	120	+543	0,09	0,11	60	109	117	108	109	101	110	98	116	126	x	x	x	
24	Hood	A2A2	423651	123	117	116	+589	0,08	-0,05	48	120	102	97	106	98	122	107	108	106		x	x	x
20	Hornbach	A1A1		125	118	126	+1045	-0,02	-0,03	75	99	104	102	105	96	98	105	98	106		x		
24	Imperativ	A1A2	423615	123	120	112	+144	0,22	0,10	37	107	111	110	103	104	90	99	111	105	x			
22	Impossium	A1A2		124	120	115	+379	0,19	0,00	45	109	110	98	120	109	100	114	102	104	x			
22	Irregut P*S	A2A2	435261	124	113	134	+734	0,35	0,17	103	109	85	102	100	104	113	112	100	99		x		
25	Jungspund	A2A2		123	118	110	+424	-0,04	0,00	29	106	118	102	108	95	107	102	106	115	x			
27	Malaga Pp	A1A2	426531	119	121	110	+565	-0,02	-0,11	32	105	110	109	106	90	116	98	109	116		x		
20	Manolo Pp*	A2A2	324615	126	125	109	+775	-0,33	-0,08	23	112	117	114	121	89	116	111	134	112	x	x		x
25	Maybach PP*	A1A2	453162	123	120	109	+624	-0,04	-0,20	28	121	110	98	103	98	102	113	102	109	x			
14	Minor	A2A2	435216	130	123	112	+322	0,00	0,12	34	96	127	112	131	88	95	98	118	113	x			
27	Mirolo	A2A2	342156	119	111	114	+673	-0,13	-0,02	40	96	110	93	109	95	111	102	109	112		x		x
11	Mirsanguat	A1A2		131	130	115	+606	-0,13	0,06	41	109	120	103	126	98	115	110	104	100	x			
19	MyLife Pp*	A2A2	456321	126	123	117	+828	-0,09	-0,06	50	112	107	99	104	108	113	121	100	122	x	x	x	x
12	Percussion	A1A1	516342	130	126	120	+583	0,05	0,11	58	102	115	100	106	102	95	88	104	104	x			
18	Sehrgut	A2A2	516432	126	121	121	+1046	-0,16	-0,05	61	97	108	109	121	101	93	92	105	108		x	x	
15	Sirius	A1A2		129	125	120	+640	0,08	0,04	69	112	107	113	111	116	78	105	109	116	x			
13	Sisyphus	A2A2	435261	130	123	113	+183	0,25	0,07	40	113	115	113	115	123	89	114	102	122	x			
18	Sunrise	A2A2	516342	127	117	121	+1006	-0,11	-0,09	60	109	108	112	113	115	100	104	109	107	x	x	x	x
21	Ventura	A1A2	561432	125	123	123	+594	0,22	0,05	69	107	103	113	115	96	98	98	107	115		x	x	
15	Villeroy	A1A1	423651	129	127	113	+628	-0,15	0,00	36	115	114	100	101	112	92	96	110	114	x			
11	Vluturo	A2A2	564123	130	126	122	+261	0,47	0,10	68	102	112	110	107	106	113	104	110	113	x			
28	Vlutlicht	A1A1	426351	117	114	114	+772	-0,19	-0,04	39	120	95	102	103	112	114	104	113	113		x		
9	Weitblick	A1A2	423561	135	133	119	+1042	-0,16	-0,11	56	115	115	103	110	105	95	94	112	103	x	x		
28	Wertheim	A2A2		117	119	114	+811	-0,10	-0,14	41	91	110	102	118	112	110	109	99	113	x	x	x	x
16	Whatever	A2A2		129	125	112	+403	-0,01	0,06	35	128	108	102	105	121	107	107	107	105	x	x		x
12	Windspiel	A2A2		130	130	115	+741	-0,11	-0,05	43	109	117	95	120	97	105	126	104	122	x	x	x	x
21	Wonigo	A1A2		125	121	120	+848	-0,08	0,00	58	114	101	101	96	113	103	110	106	102	x	x		
9	Zazu	A1A1	534162	133	126	115	+583	-0,02	0,00	43	119	115	82	125	102	93	102	108	98				
17	Zerberus	A1A1		127	121	122	+816	0,05	-0,02	66	111	106	97	116	102	111	103	109	114	x	x	x	

KK = Cappa Casein, BK = Beta Casein; aAa = Triple-A code - more information on [www.aaaweeks.com](http://www.aaaweeks.com), TMI = Total Merit Index, ECO = Organic Index, F+P [kg] = fat+protein kg, FIT = Fitness Index, Cp = paternal calving ease, F = frame, R = Rump, F&L = Feet&Legs, UC = Udder composite, EXT = Final score, RB = Red Breeds, J = Jersey

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

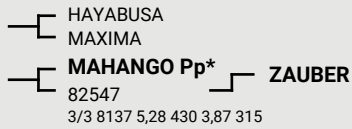
Photo: © Christine Massfeller  
Background: Luca Noll



# Hatwas

HB No. 10/866126  
LOM DE 09 56888296  
Born 01.07.2021

HASHTAG



0002752 Pp\*  
3/2 7393 5,23 387 3,90 289

Components Fitness Frame



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 146** 72%

MILK INDEX **MI 139** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1132	+0,14	+60	+0,11	+50

BEEF PERFORMANCE **BI 109** 72%

Daily net gain	Carcass percentage	Carcass grade
113	107	104

FUNCTIONAL TRAITS **FIT 116** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
113	106	101	114	109	109	115	103	137



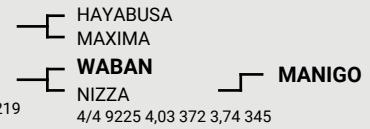
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	119								
Muscling	101								
Feet & Legs	113								
Udder	105								
Height at cross	125	small							large
Body length	113	short							long
Rump width	107	narrow							wide
Body depth	109	shallow							deep
Rump angle	117	ascending							sloped
Hock angularity	98	straight							sickled
Hock develop.	108	swollen							dry
Pasterns	105	weak							strong
Foot angle	111	low angles							steep angles
Fore udder length	99	short							long
Rear udder length	108	short							long
Fore udder att.	102	loose							tight
Susp. ligament	102	weak							strong
Udder depth	107	deep							high
Teat length	95	short							long
Teat thickness	85	thin							thick
Teat placem. (front)	78	wide							close
Teat placem. (rear)	90	wide							close
Teat direction (rear)	100	outwards							inwards
Udder cleanness	100	add. teats							clean udder

# Hayward

HB No. 10/427145  
LOM DE 09 56373476  
Born 23.05.2021

HASHTAG



NALA  
200 T. 6432 4,37 281 3,40 219

Milk Fitness Feet & Legs



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 144** 73%

MILK INDEX **MI 134** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1403	-0,10	+49	-0,02	+48

BEEF PERFORMANCE **BI 105** 71%

Daily net gain	Carcass percentage	Carcass grade
106	105	102

FUNCTIONAL TRAITS **FIT 120** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
100	120	108	118	115	103	102	117	137



Nala, dam of Hayward

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	106								
Muscling	98								
Feet & Legs	112								
Udder	111								
Height at cross	112	small							large
Body length	103	short							long
Rump width	97	narrow							wide
Body depth	98	shallow							deep
Rump angle	100	ascending							sloped
Hock angularity	93	straight							sickled
Hock develop.	105	swollen							dry
Pasterns	105	weak							strong
Foot angle	116	low angles							steep angles
Fore udder length	92	short							long
Rear udder length	111	short							long
Fore udder att.	98	loose							tight
Susp. ligament	107	weak							strong
Udder depth	115	deep							high
Teat length	107	short							long
Teat thickness	101	thin							thick
Teat placem. (front)	98	wide							close
Teat placem. (rear)	97	wide							close
Teat direction (rear)	97	outwards							inwards
Udder cleanness	105	add. teats							clean udder

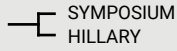


# Sunshine

HB No. 10/863088  
LOM DE 09 55642886  
Born 11.08.2020

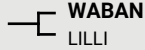
aAa 543612

SISYPHUS



LIVIA

3/1 8589 5,05 434 3,70 318



IVAN

Fitness

Components

Fertility



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 144** 77%

MILK INDEX

**MI 132** 86%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+655 +0,33 +56 +0,14 +36**

BEEF PERFORMANCE

**BI 104** 76%

Daily net gain Carcass percentage Carcass grade

**97 106 104**

FUNCTIONAL TRAITS

**FIT 123** 82%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
119	111	108	119	109	104	117	112	136



## LINEAR DESCRIPTION

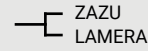
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	96				█				
Muscling	104				█				
Feet & Legs	100				█				
Udder	108				█				
Height at cross	98	small			█				large
Body length	94	short			█				long
Rump width	96	narrow			█				wide
Body depth	96	shallow			█				deep
Rump angle	105	ascending			█				sloped
Hock angularity	105	straight		█					sickled
Hock develop.	102	swollen			█				dry
Pasterns	95	weak			█				strong
Foot angle	102	low angles			█				steep angles
Fore udder length	97	short			█				long
Rear udder length	103	short			█				long
Fore udder att.	105	loose			█				tight
Susp. ligament	106	weak			█				strong
Udder depth	104	deep			█				high
Teat length	95	short			█				long
Teat thickness	104	thin			█				thick
Teat placem. (front)	98	wide			█		█		close
Teat placem. (rear)	104	wide			█		█		close
Teat direction (rear)	111	outwards			█		█		inwards
Udder cleanness	101	add. teats			█				clean udder

# Zelda

HB No. 10/861140  
LOM AT 71 8849 274  
Born 05.04.2021

aAa 234165

ZEIGER



IVANA 83

1/1 7597 4,77 363 4,11 312



MAHANGO Pp\*

3/2 9314 5,06 471 3,86 360

Milk

Udder health

Udder



A1A2

BB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 143** 73%

MILK INDEX

**MI 130** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1075 +0,02 +47 +0,01 +39**

BEEF PERFORMANCE

**BI 106** 71%

Daily net gain Carcass percentage Carcass grade

**103 112 98**

FUNCTIONAL TRAITS

**FIT 125** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
100	121	106	118	105	108	115	107	134



Ivana, dam of Zelda

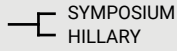
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	104				█				
Muscling	100				█				
Feet & Legs	102				█				
Udder	118				█				
Height at cross	104	small			█				large
Body length	104	short			█				long
Rump width	104	narrow			█				wide
Body depth	100	shallow			█				deep
Rump angle	105	ascending			█				sloped
Hock angularity	106	straight		█					sickled
Hock develop.	105	swollen			█				dry
Pasterns	95	weak			█				strong
Foot angle	101	low angles			█				steep angles
Fore udder length	104	short			█				long
Rear udder length	113	short			█				long
Fore udder att.	110	loose			█				tight
Susp. ligament	113	weak			█				strong
Udder depth	108	deep			█				high
Teat length	102	short			█				long
Teat thickness	96	thin			█				thick
Teat placem. (front)	104	wide			█		█		close
Teat placem. (rear)	97	wide			█		█		close
Teat direction (rear)	96	outwards			█		█		inwards
Udder cleanness	101	add. teats			█				clean udder

# Skidoo

HB No. 10/427146  
LOM DE 09 56986725  
Born 24.05.2021

**SISYPHUS**



SYMPOSIUM  
HILLARY

**NAPOLI**

200 T. 7384 4,52 334 3,17 234



HAYABUSA  
NIZZA



HUMPERT

1/1 8780 4,53 398 3,51 308

Fat-%

Dual purpose

Fitness



A1A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 143** 77%

MILK INDEX

**MI 128** 86%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+975** **+0,13** **+53** **-0,05** **+30**

BEEF PERFORMANCE

**BI 116** 74%

Daily net gain Carcass percentage Carcass grade

**112** **111** **113**

FUNCTIONAL TRAITS

**FIT 120** 82%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
113	114	101	116	113	107	114	107	132



Napoli, dam of Skidoo

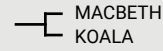
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	95				█				
Muscling	108				█	█			
Feet & Legs	107				█	█			
Udder	110				█	█			
Height at cross	97	small			█				large
Body length	95	short			█				long
Rump width	97	narrow			█				wide
Body depth	96	shallow			█				deep
Rump angle	101	ascending			█				sloped
Hock angularity	98	straight	█						sickled
Hock develop.	95	swollen			█				dry
Pasterns	104	weak			█				strong
Foot angle	110	low angles			█				steep angles
Fore udder length	105	short			█				long
Rear udder length	103	short			█				long
Fore udder att.	117	loose			█	█			tight
Susp. ligament	98	weak			█				strong
Udder depth	105	deep			█				high
Teat length	100	short			█				long
Teat thickness	102	thin			█				thick
Teat placem. (front)	94	wide			█		█		close
Teat placem. (rear)	96	wide			█				close
Teat direction (rear)	108	outwards			█				inwards
Udder cleanness	96	add. teats			█				clean udder

# Matrose

HB No. 10/855125  
LOM DE 09 56082320  
Born 12.01.2021

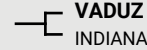
**MCGYVER**



MACBETH  
KOALA

**INNTAL**

1/1 9622 4,05 390 3,55 342



VADUZ  
INDIANA



WABAN

4/4 10066 4,05 407 3,80 382

Milk

Fitness

Udder



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 141** 73%

MILK INDEX

**MI 133** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1227** **+0,04** **+55** **-0,04** **+40**

BEEF PERFORMANCE

**BI 97** 73%

Daily net gain Carcass percentage Carcass grade

**95** **102** **94**

FUNCTIONAL TRAITS

**FIT 122** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
111	117	114	121	106	105	108	106	137



Inntal, dam of Matrose

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	106				█				
Muscling	93				█				
Feet & Legs	99				█				
Udder	113				█	█			
Height at cross	108	small			█				large
Body length	106	short			█				long
Rump width	104	narrow			█				wide
Body depth	98	shallow			█				deep
Rump angle	94	ascending			█				sloped
Hock angularity	93	straight	█						sickled
Hock develop.	96	swollen			█				dry
Pasterns	98	weak			█				strong
Foot angle	104	low angles			█				steep angles
Fore udder length	101	short			█				long
Rear udder length	109	short			█				long
Fore udder att.	110	loose			█	█			tight
Susp. ligament	106	weak			█				strong
Udder depth	113	deep			█				high
Teat length	84	short			█				long
Teat thickness	87	thin			█				thick
Teat placem. (front)	99	wide			█		█		close
Teat placem. (rear)	92	wide			█				close
Teat direction (rear)	88	outwards			█				inwards
Udder cleanness	104	add. teats			█				clean udder

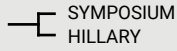


# Senator

HB No. 10/861040  
LOM DE 09 55667574  
Born 05.11.2020

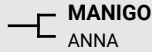
aAa 456321

SISYPHUS



ALMA

5/4 10281 4,05 417 3,81 392



WILLEM

6/6 8904 4,12 367 3,98 355

Prot-%

Fitness

Udder



A1A2

BB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 141** 79%

MILK INDEX

**MI 129** 87%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1000 -0,04 +38 +0,07 +42**

BEEF PERFORMANCE

**BI 107** 77%

Daily net gain Carcass percentage Carcass grade

**101 111 102**

FUNCTIONAL TRAITS

**FIT 120** 83%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
113	122	103	113	113	104	108	113	135



Alma, dam of Senator, 4th lac.

## LINEAR DESCRIPTION

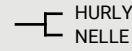
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	102								
Muscling	106								
Feet & Legs	107								
Udder	125								
Height at cross	106	small							large
Body length	100	short							long
Rump width	98	narrow							wide
Body depth	100	shallow							deep
Rump angle	108	ascending							sloped
Hock angularity	99	straight							sickled
Hock develop.	102	swollen							dry
Pasterns	105	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	101	short							long
Rear udder length	96	short							long
Fore udder att.	114	loose							tight
Susp. ligament	108	weak							strong
Udder depth	123	deep							high
Teat length	95	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	102	wide							close
Teat placem. (rear)	105	wide							close
Teat direction (rear)	111	outwards							inwards
Udder cleanness	100	add. teats							clean udder

# Hephaistos

HB No. 10/862995  
LOM DE 09 55488812  
Born 09.10.2019

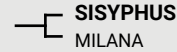
aAa 516342

HOKUSPOKUS



MAYA

3/2 9568 4,73 453 3,78 362



WITAM P\*S

3/3 9568 5,35 512 3,74 358

Fitness

Components

Udder health



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 141** 76%

MILK INDEX

**MI 121** 86%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+571 +0,05 +28 +0,11 +30**

BEEF PERFORMANCE

**BI 112** 75%

Daily net gain Carcass percentage Carcass grade

**106 113 107**

FUNCTIONAL TRAITS

**FIT 127** 80%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
111	120	109	122	111	108	115	110	136

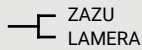
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	97								
Muscling	96								
Feet & Legs	113								
Udder	114								
Height at cross	98	small							large
Body length	93	short							long
Rump width	94	narrow							wide
Body depth	100	shallow							deep
Rump angle	93	ascending							sloped
Hock angularity	96	straight							sickled
Hock develop.	107	swollen							dry
Pasterns	104	weak							strong
Foot angle	107	low angles							steep angles
Fore udder length	94	short							long
Rear udder length	100	short							long
Fore udder att.	109	loose							tight
Susp. ligament	99	weak							strong
Udder depth	109	deep							high
Teat length	80	short							long
Teat thickness	97	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	101	wide							close
Teat direction (rear)	106	outwards							inwards
Udder cleanness	99	add. teats							clean udder

# Zaschka

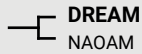
HB No. 10/174380  
LOM DE 09 56757089  
Born 19.06.2021

ZEIGER



NATASHA

2/1 10895 4,04 440 3,70 403



REMMEL

5/5 10395 4,40 457 3,73 388

Milk

Udder health

Udder



A1A2

BB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 140** 74%

MILK INDEX

**MI 134** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1279 -0,05 +49 +0,02 +48**

BEEF PERFORMANCE

**BI 101** 73%

Daily net gain Carcass percentage Carcass grade

**109 99 98**

FUNCTIONAL TRAITS

**FIT 118** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
103	121	101	110	103	108	111	104	131



Naoam, granddam of Zaschka

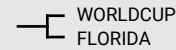
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	106								
Muscling	98								
Feet & Legs	102								
Udder	111								
Height at cross	106	small							large
Body length	107	short							long
Rump width	109	narrow							wide
Body depth	108	shallow							deep
Rump angle	111	ascending							sloped
Hock angularity	105	straight							sickled
Hock develop.	103	swollen							dry
Pasterns	93	weak							strong
Foot angle	107	low angles							steep angles
Fore udder length	106	short							long
Rear udder length	110	short							long
Fore udder att.	108	loose							tight
Susp. ligament	107	weak							strong
Udder depth	104	deep							high
Teat length	100	short							long
Teat thickness	100	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	100	wide							close
Teat direction (rear)	89	outwards							inwards
Udder cleanness	102	add. teats							clean udder

# Wahrheit

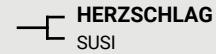
HB No. 10/861050  
LOM DE 09 55870760  
Born 25.10.2020

WUESTENSOHN



SHAKIRA

2/2 9620 4,19 403 3,48 335



VANSTEIN

5/5 11019 3,85 424 3,25 358

Milk

Fitness

Udder



A1A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 140** 74%

MILK INDEX

**MI 132** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1420 -0,13 +47 -0,08 +43**

BEEF PERFORMANCE

**BI 100** 75%

Daily net gain Carcass percentage Carcass grade

**110 92 104**

FUNCTIONAL TRAITS

**FIT 120** 79%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
102	118	100	118	109	102	107	115	132



## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	101								
Muscling	110								
Feet & Legs	95								
Udder	114								
Height at cross	99	small							large
Body length	103	short							long
Rump width	103	narrow							wide
Body depth	108	shallow							deep
Rump angle	96	ascending							sloped
Hock angularity	104	straight							sickled
Hock develop.	94	swollen							dry
Pasterns	96	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	106	short							long
Rear udder length	96	short							long
Fore udder att.	111	loose							tight
Susp. ligament	107	weak							strong
Udder depth	105	deep							high
Teat length	102	short							long
Teat thickness	108	thin							thick
Teat placem. (front)	114	wide							close
Teat placem. (rear)	105	wide							close
Teat direction (rear)	104	outwards							inwards
Udder cleanness	105	add. teats							clean udder



# Higher

HB No. 10/866120  
LOM DE 09 56431139  
Born 14.05.2021

aAa 561432

HASHTAG

— HAYABUSA  
— MAXIMA

PATRIZI

— EVERSUN  
— PIPPI  
— RALDI  
3/3 9743 4,04 394 3,41 332

Milk

Udder depth

Longevity



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 140** 71%

MILK INDEX

**MI 132** 81%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1446** -0,14 **+47** -0,08 **+44**

BEEF PERFORMANCE

**BI 97** 71%

Daily net gain Carcass percentage Carcass grade

**110** **98** **91**

FUNCTIONAL TRAITS

**FIT 119** 76%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
112	114	100	127	100	105	101	113	135

# Ensbach

HB No. 10/855258  
LOM DE 09 56827851  
Born 05.08.2021

EASY

— ETHOS  
— KEWANA

ESTHER

— HERMELIN  
— EVITA  
— HURLY  
200 T. 5933 4,11 244 3,46 205  
3/3 9747 3,92 382 3,52 343

Milk

Beef

Fitness



A1A1

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 140** 72%

MILK INDEX

**MI 132** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1345** -0,06 **+50** -0,08 **+40**

BEEF PERFORMANCE

**BI 114** 69%

Daily net gain Carcass percentage Carcass grade

**116** **110** **109**

FUNCTIONAL TRAITS

**FIT 115** 76%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
105	109	107	110	100	108	111	102	134



Esther, dam of Ensbach

LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	101								
Muscling	93								
Feet & Legs	115								
Udder	121								
Height at cross	103	small							large
Body length	101	short							long
Rump width	100	narrow							wide
Body depth	99	shallow							deep
Rump angle	86	ascending							sloped
Hock angularity	93	straight							sickled
Hock develop.	104	swollen							dry
Pasterns	104	weak							strong
Foot angle	115	low angles							steep angles
Fore udder length	99	short							long
Rear udder length	109	short							long
Fore udder att.	110	loose							tight
Susp. ligament	109	weak							strong
Udder depth	118	deep							high
Teat length	83	short							long
Teat thickness	85	thin							thick
Teat placem. (front)	100	wide							close
Teat placem. (rear)	99	wide							close
Teat direction (rear)	110	outwards							inwards
Udder cleanness	107	add. teats							clean udder

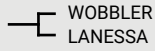
LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	105								
Muscling	96								
Feet & Legs	102								
Udder	115								
Height at cross	105	small							large
Body length	109	short							long
Rump width	106	narrow							wide
Body depth	99	shallow							deep
Rump angle	95	ascending							sloped
Hock angularity	109	straight							sickled
Hock develop.	103	swollen							dry
Pasterns	96	weak							strong
Foot angle	101	low angles							steep angles
Fore udder length	109	short							long
Rear udder length	104	short							long
Fore udder att.	101	loose							tight
Susp. ligament	112	weak							strong
Udder depth	102	deep							high
Teat length	95	short							long
Teat thickness	95	thin							thick
Teat placem. (front)	118	wide							close
Teat placem. (rear)	107	wide							close
Teat direction (rear)	98	outwards							inwards
Udder cleanness	106	add. teats							clean udder

# Webex

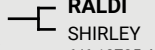
HB No. 10/881356  
LOM DE 09 56205850  
Born 07.06.2020

aAa 516432

**WEITBLICK**



**RALDI**



**WEINFUR**

**SUGAR**

4/3 11642 4,39 511 3,71 432

6/6 12725 4,84 616 3,83 487

**Milk**

**Fitness**

**Feet & Legs**



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 140** 78%

MILK INDEX

**MI 124** 87%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+963** **-0,04** **+37** **-0,03** **+32**

BEEF PERFORMANCE

**BI 105** 77%

Daily net gain Carcass percentage Carcass grade

**94** **111** **104**

FUNCTIONAL TRAITS

**FIT 127** 81%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
93	125	112	128	117	107	107	106	137



Sugar, dam of Webex

LINEAR DESCRIPTION

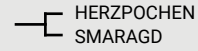
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	90				█				
Muscling	99				█				
Feet & Legs	111				█				
Udder	109				█				
Height at cross	89	small			█				large
Body length	90	short			█				long
Rump width	92	narrow			█				wide
Body depth	92	shallow			█				deep
Rump angle	93	ascending			█				sloped
Hock angularity	96	straight			█				sickled
Hock develop.	99	swollen			█				dry
Pasterns	106	weak			█				strong
Foot angle	107	low angles			█				steep angles
Fore udder length	99	short			█				long
Rear udder length	107	short			█				long
Fore udder att.	102	loose			█				tight
Susp. ligament	100	weak			█				strong
Udder depth	101	deep			█				high
Teat length	95	short			█				long
Teat thickness	101	thin			█				thick
Teat placem. (front)	114	wide			█				close
Teat placem. (rear)	104	wide			█				close
Teat direction (rear)	104	outwards			█				inwards
Udder cleanness	107	add. teats			█				clean udder

# Heiligtum

HB No. 10/869439  
LOM DE 09 56114039  
Born 28.03.2021

aAa 543612

**HOFMEISTER**



**WORLD CUP**



**RIAZA**

**LUNA**

2/1 10831 3,83 415 3,46 375

4/4 10984 3,73 410 3,51 385

**Dual purpose**

**Fertility**

**Udder**



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 140** 72%

MILK INDEX

**MI 124** 81%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1325** **-0,23** **+34** **-0,15** **+33**

BEEF PERFORMANCE

**BI 111** 72%

Daily net gain Carcass percentage Carcass grade

**116** **108** **106**

FUNCTIONAL TRAITS

**FIT 124** 76%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
108	107	109	123	106	114	120	102	140



Luna, dam of Heiligtum

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	104				█				
Muscling	111				█				
Feet & Legs	114				█				
Udder	113				█				
Height at cross	103	small			█				large
Body length	105	short			█				long
Rump width	109	narrow			█				wide
Body depth	103	shallow			█				deep
Rump angle	93	ascending			█				sloped
Hock angularity	91	straight			█				sickled
Hock develop.	89	swollen			█				dry
Pasterns	114	weak			█				strong
Foot angle	114	low angles			█				steep angles
Fore udder length	106	short			█				long
Rear udder length	114	short			█				long
Fore udder att.	107	loose			█				tight
Susp. ligament	97	weak			█				strong
Udder depth	103	deep			█				high
Teat length	103	short			█				long
Teat thickness	91	thin			█				thick
Teat placem. (front)	106	wide			█				close
Teat placem. (rear)	106	wide			█				close
Teat direction (rear)	109	outwards			█				inwards
Udder cleanness	105	add. teats			█				clean udder



# Wahreliebe

HB No. 10/863100  
LOM DE 09 55990783  
Born 27.08.2020

aAa 423651

**WUESTENSOHN** — WORLD CUP FLORIDA  
**GENIOL** — VOLLWERT — ZASPIN  
4/3 12051 4,10 494 3,33 401  
5/5 10363 4,22 438 3,51 364

**Milk** **Beef** **Fitness**



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 140** 74%

MILK INDEX **MI 121** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+1187</b>	-0,24	<b>+27</b>	-0,11	<b>+32</b>

BEEF PERFORMANCE **BI 121** 76%

Daily net gain	Carcass percentage	Carcass grade
<b>120</b>	<b>116</b>	<b>114</b>

FUNCTIONAL TRAITS **FIT 122** 78%

MS	UH	Pers	PL	Calving ease CEp	CeEm	Fert	VIT	ETMI
<b>107</b>	<b>115</b>	<b>93</b>	<b>119</b>	<b>108</b>	<b>107</b>	<b>117</b>	<b>111</b>	<b>136</b>



Geniol, dam of Wahreliebe, 3rd lac.

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	108								
Muscling	113								
Feet & Legs	102								
Udder	116								
Height at cross	109	small							large
Body length	103	short							long
Rump width	108	narrow							wide
Body depth	107	shallow							deep
Rump angle	113	ascending							sloped
Hock angularity	105	straight							sickled
Hock develop.	98	swollen							dry
Pasterns	100	weak							strong
Foot angle	100	low angles							steep angles
Fore udder length	107	short							long
Rear udder length	110	short							long
Fore udder att.	110	loose							tight
Susp. ligament	96	weak							strong
Udder depth	102	deep							high
Teat length	82	short							long
Teat thickness	90	thin							thick
Teat placem. (front)	110	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	109	outwards							inwards
Udder cleanness	105	add. teats							clean udder

# Virtuos

HB No. 10/866105  
LOM DE 09 56110516  
Born 23.01.2021

**VISION1** — VOLLENDET SUNSHIN  
**LONDON** — WABAN — HERZSCHLAG  
1/1 9522 3,99 380 3,44 328  
3/3 7398 4,21 311 3,37 249

**Milk** **Longevity** **Udder health**



AA

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 139** 74%

MILK INDEX **MI 129** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+1102</b>	-0,03	<b>+43</b>	-0,01	<b>+38</b>

BEEF PERFORMANCE **BI 103** 74%

Daily net gain	Carcass percentage	Carcass grade
<b>102</b>	<b>101</b>	<b>105</b>

FUNCTIONAL TRAITS **FIT 122** 78%

MS	UH	Pers	PL	Calving ease CEp	CeEm	Fert	VIT	ETMI
<b>105</b>	<b>117</b>	<b>114</b>	<b>117</b>	<b>109</b>	<b>102</b>	<b>108</b>	<b>113</b>	<b>133</b>

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	98								
Muscling	108								
Feet & Legs	100								
Udder	106								
Height at cross	96	small							large
Body length	98	short							long
Rump width	95	narrow							wide
Body depth	109	shallow							deep
Rump angle	88	ascending							sloped
Hock angularity	105	straight							sickled
Hock develop.	103	swollen							dry
Pasterns	96	weak							strong
Foot angle	100	low angles							steep angles
Fore udder length	105	short							long
Rear udder length	105	short							long
Fore udder att.	107	loose							tight
Susp. ligament	101	weak							strong
Udder depth	95	deep							high
Teat length	97	short							long
Teat thickness	92	thin							thick
Teat placem. (front)	96	wide							close
Teat placem. (rear)	95	wide							close
Teat direction (rear)	101	outwards							inwards
Udder cleanness	103	add. teats							clean udder

# Vogelfrei

HB No. 10/863107  
LOM DE 09 56177824  
Born 30.08.2020

aAa 561423

**VLUTLICHT**



**1003**  
3/2 8707 5,17 451 3,51 306

**Milk**

**Beef**

**Feet & Legs**



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 139** 76%

MILK INDEX **MI 127** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+1326</b>	-0,21	<b>+36</b>	-0,08	<b>+40</b>

BEEF PERFORMANCE **BI 123** 75%

Daily net gain	Carcass percentage	Carcass grade
<b>108</b>	<b>134</b>	<b>108</b>

FUNCTIONAL TRAITS **FIT 109** 80%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>120</b>	<b>102</b>	<b>98</b>	<b>122</b>	<b>106</b>	<b>104</b>	<b>98</b>	<b>104</b>	<b>134</b>



## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	96				█				
Muscling	97				█				
Feet & Legs	113				█				
Udder	114				█				
Height at cross	93	small			█				large
Body length	100	short			█				long
Rump width	92	narrow			█				wide
Body depth	103	shallow			█				deep
Rump angle	99	ascending			█				sloped
Hock angularity	88	straight			█				sickled
Hock develop.	92	swollen			█				dry
Pasterns	110	weak			█				strong
Foot angle	106	low angles			█				steep angles
Fore udder length	116	short			█				long
Rear udder length	115	short			█				long
Fore udder att.	111	loose			█				tight
Susp. ligament	94	weak			█				strong
Udder depth	93	deep			█				high
Teat length	92	short			█				long
Teat thickness	97	thin			█				thick
Teat placem. (front)	102	wide			█				close
Teat placem. (rear)	91	wide			█				close
Teat direction (rear)	100	outwards			█				inwards
Udder cleanness	100	add. teats			█				clean udder

# Zeiger

HB No. 10/854444  
LOM DE 09 54382886  
Born 16.10.2018

aAa 564132

**ZAZU**



**LAMERA**  
1/1 9978 4,25 424 3,56 355

**Milk**

**Fat-%**

**Fitness**



A1A1

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 139** 81%

MILK INDEX **MI 126** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+928</b>	+0,07	<b>+45</b>	-0,04	<b>+30</b>

BEEF PERFORMANCE **BI 109** 86%

Daily net gain	Carcass percentage	Carcass grade
<b>106</b>	<b>110</b>	<b>104</b>

FUNCTIONAL TRAITS **FIT 123** 86%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>100</b>	<b>128</b>	<b>108</b>	<b>112</b>	<b>92</b>	<b>111</b>	<b>116</b>	<b>93</b>	<b>131</b>



Lamera, dam of Zeiger

## LINEAR DESCRIPTION

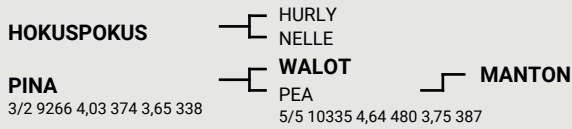
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	100				█				
Muscling	98				█				
Feet & Legs	100				█				
Udder	109				█				
Height at cross	100	small			█				large
Body length	102	short			█				long
Rump width	107	narrow			█				wide
Body depth	98	shallow			█				deep
Rump angle	108	ascending			█				sloped
Hock angularity	109	straight			█				sickled
Hock develop.	105	swollen			█				dry
Pasterns	97	weak			█				strong
Foot angle	100	low angles			█				steep angles
Fore udder length	97	short			█				long
Rear udder length	108	short			█				long
Fore udder att.	100	loose			█				tight
Susp. ligament	111	weak			█				strong
Udder depth	112	deep			█				high
Teat length	102	short			█				long
Teat thickness	93	thin			█				thick
Teat placem. (front)	104	wide			█				close
Teat placem. (rear)	102	wide			█				close
Teat direction (rear)	90	outwards			█				inwards
Udder cleanness	101	add. teats			█				clean udder



# Hogwarts

HB No. 10/863075  
LOM DE 09 51696592  
Born 13.06.2020

aAa 423651



**Milk** **Beef** **Type**



A2A2  
AA

genomic

**TOTAL MERIT INDEX** (Proof: August 2022) **TMI 139** 76%

**MILK INDEX** **MI 125** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+1030</b>	-0,10	<b>+34</b>	<b>+0,00</b>	<b>+37</b>

**BEEF PERFORMANCE** **BI 122** 75%

Daily net gain	Carcass percentage	Carcass grade
<b>120</b>	<b>123</b>	<b>108</b>

**FUNCTIONAL TRAITS** **FIT 114** 80%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>108</b>	<b>107</b>	<b>104</b>	<b>110</b>	<b>107</b>	<b>104</b>	<b>113</b>	<b>104</b>	<b>134</b>

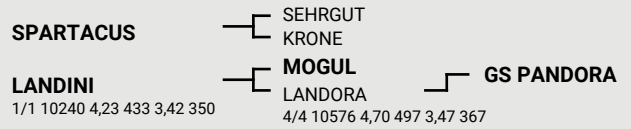


LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>124</b>								
<b>Muscling</b>	<b>112</b>								
<b>Feet &amp; Legs</b>	<b>110</b>								
<b>Udder</b>	<b>111</b>								
Height at cross	126	small							large
Body length	120	short							long
Rump width	120	narrow							wide
Body depth	115	shallow							deep
Rump angle	104	ascending							sloped
Hock angularity	98	straight							sickled
Hock develop.	104	swollen							dry
Pasterns	105	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	99	short							long
Rear udder length	88	short							long
Fore udder att.	112	loose							tight
Susp. ligament	90	weak							strong
Udder depth	116	deep							high
Teat length	95	short							long
Teat thickness	96	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	94	wide							close
Teat direction (rear)	92	outwards							inwards
Udder cleanness	99	add. teats							clean udder

# Skyline

HB No. 10/863202  
LOM DE 09 56489324  
Born 18.02.2021

aAa 534162



**Milk** **Udder** **Fitness**



A2A2  
AA

genomic

**TOTAL MERIT INDEX** (Proof: August 2022) **TMI 139** 73%

**MILK INDEX** **MI 121** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+1014</b>	-0,11	<b>+32</b>	<b>-0,09</b>	<b>+28</b>

**BEEF PERFORMANCE** **BI 107** 74%

Daily net gain	Carcass percentage	Carcass grade
<b>114</b>	<b>107</b>	<b>99</b>

**FUNCTIONAL TRAITS** **FIT 125** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>110</b>	<b>114</b>	<b>97</b>	<b>130</b>	<b>115</b>	<b>106</b>	<b>112</b>	<b>118</b>	<b>139</b>

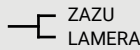


LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>109</b>								
<b>Muscling</b>	<b>93</b>								
<b>Feet &amp; Legs</b>	<b>113</b>								
<b>Udder</b>	<b>122</b>								
Height at cross	112	small							large
Body length	107	short							long
Rump width	103	narrow							wide
Body depth	101	shallow							deep
Rump angle	103	ascending							sloped
Hock angularity	101	straight							sickled
Hock develop.	115	swollen							dry
Pasterns	107	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	112	short							long
Rear udder length	98	short							long
Fore udder att.	111	loose							tight
Susp. ligament	114	weak							strong
Udder depth	120	deep							high
Teat length	104	short							long
Teat thickness	92	thin							thick
Teat placem. (front)	114	wide							close
Teat placem. (rear)	110	wide							close
Teat direction (rear)	111	outwards							inwards
Udder cleanness	106	add. teats							clean udder

# Zollikon

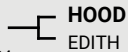
HB No. 10/861210  
LOM DE 09 56557457  
Born 29.04.2021

**ZEIGER**

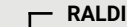


**ELISA**

200 T. 6369 4,27 272 3,52 224



3/3 8777 4,44 390 3,57 313



**Milk**

**Fitness**

**Capacity**



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 138** 73%

MILK INDEX

**MI 131** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1176 +0,05 +53 -0,06 +37**

BEEF PERFORMANCE

**BI 106** 73%

Daily net gain Carcass percentage Carcass grade

**103 111 99**

FUNCTIONAL TRAITS

**FIT 119** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
98	121	108	109	96	107	113	95	134



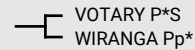
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	115								
Muscling	99								
Feet & Legs	104								
Udder	112								
Height at cross	114	small							large
Body length	113	short							long
Rump width	120	narrow							wide
Body depth	113	shallow							deep
Rump angle	103	ascending							sloped
Hock angularity	104	straight							sickled
Hock develop.	100	swollen							dry
Pasterns	103	weak							strong
Foot angle	102	low angles							steep angles
Fore udder length	102	short							long
Rear udder length	107	short							long
Fore udder att.	100	loose							tight
Susp. ligament	113	weak							strong
Udder depth	110	deep							high
Teat length	101	short							long
Teat thickness	95	thin							thick
Teat placem. (front)	103	wide							close
Teat placem. (rear)	110	wide							close
Teat direction (rear)	112	outwards							inwards
Udder cleanness	101	add. teats							clean udder

# Villani Pp\*

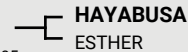
HB No. 10/427149  
LOM DE 08 17812664  
Born 06.06.2021

**VICI Pp\***



**ESCALIBUR**

100 T. 3259 3,59 117 3,22 105



5/5 9394 4,01 377 3,50 328



**Milk**

**Fitness**

**Udder**



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 138** 73%

MILK INDEX

**MI 127** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+932 +0,01 +40 +0,02 +35**

BEEF PERFORMANCE

**BI 106** 72%

Daily net gain Carcass percentage Carcass grade

**115 102 100**

FUNCTIONAL TRAITS

**FIT 120** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
113	107	93	115	113	111	120	112	131



## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	112								
Muscling	97								
Feet & Legs	96								
Udder	115								
Height at cross	116	small							large
Body length	111	short							long
Rump width	104	narrow							wide
Body depth	106	shallow							deep
Rump angle	117	ascending							sloped
Hock angularity	103	straight							sickled
Hock develop.	104	swollen							dry
Pasterns	98	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	111	short							long
Rear udder length	107	short							long
Fore udder att.	108	loose							tight
Susp. ligament	98	weak							strong
Udder depth	110	deep							high
Teat length	103	short							long
Teat thickness	96	thin							thick
Teat placem. (front)	115	wide							close
Teat placem. (rear)	107	wide							close
Teat direction (rear)	104	outwards							inwards
Udder cleanness	99	add. teats							clean udder



# Walpurgis Pp\*

HB No. 10/866118  
LOM DE 09 56265612  
Born 16.04.2021

WAALKES Pp\*

WABAN  
PIGAS PP\*

MIRA

3/2 8958 3,91 350 3,60 323

HAMMELBURG  
MECKI

ROUND UP

5/5 8491 4,17 354 3,69 313

Milk

Fitness

Udder



A1A1

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 138** 72%

MILK INDEX

**MI 123** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1010 -0,05 +38 -0,08 +29**

BEEF PERFORMANCE

**BI 111** 71%

Daily net gain Carcass percentage Carcass grade

**111 107 109**

FUNCTIONAL TRAITS

**FIT 119** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
115	117	100	120	104	112	105	110	131

# Wettlauf

HB No. 10/855169  
LOM DE 09 55860747  
Born 21.02.2021

WETTNER

WABAN  
MARINA

GLOCKE

2/1 9657 4,46 431 3,66 353

IMPERATIV  
GLORIA

ZEPTEP

3/3 10994 3,87 426 3,45 379

Milk

Longevity

Udder health



A1A1

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 138** 73%

MILK INDEX

**MI 123** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1037 -0,12 +33 -0,06 +31**

BEEF PERFORMANCE

**BI 101** 71%

Daily net gain Carcass percentage Carcass grade

**96 102 102**

FUNCTIONAL TRAITS

**FIT 127** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
105	120	107	128	105	109	109	114	136

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	100								
Muscling	104								
Feet & Legs	98								
Udder	111								
Height at cross	101	small							large
Body length	104	short							long
Rump width	97	narrow							wide
Body depth	102	shallow							deep
Rump angle	99	ascending							sloped
Hock angularity	113	straight							sickled
Hock develop.	106	swollen							dry
Pasterns	100	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	95	short							long
Rear udder length	103	short							long
Fore udder att.	106	loose							tight
Susp. ligament	103	weak							strong
Udder depth	109	deep							high
Teat length	98	short							long
Teat thickness	93	thin							thick
Teat placem. (front)	102	wide							close
Teat placem. (rear)	95	wide							close
Teat direction (rear)	101	outwards							inwards
Udder cleanness	99	add. teats							clean udder

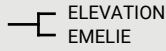
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	102								
Muscling	98								
Feet & Legs	108								
Udder	111								
Height at cross	103	small							large
Body length	99	short							long
Rump width	101	narrow							wide
Body depth	101	shallow							deep
Rump angle	107	ascending							sloped
Hock angularity	108	straight							sickled
Hock develop.	116	swollen							dry
Pasterns	98	weak							strong
Foot angle	101	low angles							steep angles
Fore udder length	114	short							long
Rear udder length	108	short							long
Fore udder att.	105	loose							tight
Susp. ligament	101	weak							strong
Udder depth	101	deep							high
Teat length	115	short							long
Teat thickness	113	thin							thick
Teat placem. (front)	103	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	104	outwards							inwards
Udder cleanness	97	add. teats							clean udder

# Export

HB No. 10/855259  
LOM AT 06 6327 288  
Born 01.07.2021

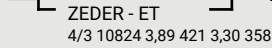
**ELEXIS**



**ZALONAET**

1/1 9541 4,72 451 3,54 338

**HERMELIN**



**HURLY**

4/3 10824 3,89 421 3,30 358

**Milk**

**Frame**

**Udder**



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 137** 72%

MILK INDEX

**MI 132** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1450 -0,14 +47 -0,08 +44**

BEEF PERFORMANCE

**BI 106** 70%

Daily net gain Carcass percentage Carcass grade

**113 100 105**

FUNCTIONAL TRAITS

**FIT 110** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
118	114	91	109	105	113	101	106	125



Zara, half sister to dam of Export

## LINEAR DESCRIPTION

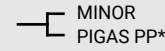
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	119								
Muscling	102								
Feet & Legs	102								
Udder	118								
Height at cross	126	small							large
Body length	113	short							long
Rump width	112	narrow							wide
Body depth	112	shallow							deep
Rump angle	117	ascending							sloped
Hock angularity	90	straight							sickled
Hock develop.	85	swollen							dry
Pasterns	108	weak							strong
Foot angle	113	low angles							steep angles
Fore udder length	114	short							long
Rear udder length	104	short							long
Fore udder att.	112	loose							tight
Susp. ligament	110	weak							strong
Udder depth	109	deep							high
Teat length	97	short							long
Teat thickness	90	thin							thick
Teat placem. (front)	117	wide							close
Teat placem. (rear)	109	wide							close
Teat direction (rear)	115	outwards							inwards
Udder cleanness	105	add. teats							clean udder

# Milford P\*S

HB No. 10/869412  
LOM DE 09 56120353  
Born 08.02.2021

aAa 432561

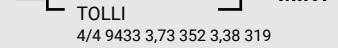
**MERCEDES Pp\***



**TIFFANY Pp\***

2/1 9309 4,06 378 3,38 315

**VAROX P\*S**



**MINT**

4/4 9433 3,73 352 3,38 319

**Milk**

**Udder health**

**Milking speed**



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 137** 72%

MILK INDEX

**MI 129** 81%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1315 -0,16 +40 -0,05 +42**

BEEF PERFORMANCE

**BI 112** 74%

Daily net gain Carcass percentage Carcass grade

**110 112 106**

FUNCTIONAL TRAITS

**FIT 111** 76%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
115	114	97	113	101	104	99	110	129



## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	102								
Muscling	97								
Feet & Legs	109								
Udder	114								
Height at cross	102	small							large
Body length	104	short							long
Rump width	99	narrow							wide
Body depth	102	shallow							deep
Rump angle	95	ascending							sloped
Hock angularity	104	straight							sickled
Hock develop.	109	swollen							dry
Pasterns	106	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	107	short							long
Rear udder length	113	short							long
Fore udder att.	111	loose							tight
Susp. ligament	110	weak							strong
Udder depth	106	deep							high
Teat length	101	short							long
Teat thickness	99	thin							thick
Teat placem. (front)	101	wide							close
Teat placem. (rear)	103	wide							close
Teat direction (rear)	106	outwards							inwards
Udder cleanness	104	add. teats							clean udder



# Hiroto

HB No. 10/427118  
LOM DE 08 17545695  
Born 18.04.2020

HERMELIN — HERZSCHLAG RODICA  
LILLIBETH — MIAMI VILLEROY  
2/2 9903 4,79 474 3,88 384 — LUCRETIA

Milk Udder Fitness



A1A2  
AB

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 137** 77%

MILK INDEX **MI 127** 86%  
milk-kg fat-% fat-kg prot.-% prot.-kg  
**+1078** **+0,03** **+47** **-0,08** **+31**

BEEF PERFORMANCE **BI 102** 75%  
Daily net gain Carcass percentage Carcass grade  
**101** **103** **100**

FUNCTIONAL TRAITS **FIT 119** 81%  
MS UH Pers PL Calving ease CEp Fert VIT ETMI  
**114** **114** **98** **117** **94** **101** **112** **113** **131**



Lillibeth, dam of Hiroto

LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	98				█				
Muscling	98			█					
Feet & Legs	113			█					
Udder	125			█					
Height at cross	102	small			█				large
Body length	96	short		█					long
Rump width	96	narrow			█				wide
Body depth	94	shallow		█					deep
Rump angle	86	ascending			█				sloped
Hock angularity	94	straight		█					sickled
Hock develop.	106	swollen			█				dry
Pasterns	108	weak			█				strong
Foot angle	107	low angles			█				steep angles
Fore udder length	115	short			█				long
Rear udder length	114	short			█				long
Fore udder att.	108	loose			█				tight
Susp. ligament	121	weak			█				strong
Udder depth	108	deep			█				high
Teat length	95	short		█					long
Teat thickness	89	thin		█					thick
Teat placem. (front)	116	wide			█				close
Teat placem. (rear)	122	wide			█				close
Teat direction (rear)	123	outwards			█				inwards
Udder cleanness	104	add. teats			█				clean udder

# Woernitz

HB No. 10/854995  
LOM DE 09 56248575  
Born 21.07.2020

WEISSENSEE — WABAN LUXA  
KEANA — VILLEROY HUTERA  
2/1 7293 3,92 286 3,74 273 — KISS ME  
5/5 10242 4,02 412 3,66 375

Milk Udder Fitness



A1A2  
AB

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 137** 77%

MILK INDEX **MI 127** 86%  
milk-kg fat-% fat-kg prot.-% prot.-kg  
**+1281** **-0,20** **+35** **-0,06** **+40**

BEEF PERFORMANCE **BI 104** 77%  
Daily net gain Carcass percentage Carcass grade  
**105** **103** **102**

FUNCTIONAL TRAITS **FIT 117** 81%  
MS UH Pers PL Calving ease CEp Fert VIT ETMI  
**103** **111** **114** **120** **97** **107** **103** **108** **134**



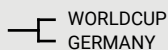
LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	104				█				
Muscling	105			█					
Feet & Legs	101			█					
Udder	123			█					
Height at cross	107	small			█				large
Body length	106	short			█				long
Rump width	101	narrow			█				wide
Body depth	105	shallow			█				deep
Rump angle	102	ascending			█				sloped
Hock angularity	104	straight			█				sickled
Hock develop.	89	swollen			█				dry
Pasterns	106	weak			█				strong
Foot angle	110	low angles			█				steep angles
Fore udder length	103	short			█				long
Rear udder length	110	short			█				long
Fore udder att.	121	loose			█				tight
Susp. ligament	105	weak			█				strong
Udder depth	116	deep			█				high
Teat length	114	short			█				long
Teat thickness	96	thin			█				thick
Teat placem. (front)	104	wide			█				close
Teat placem. (rear)	97	wide			█				close
Teat direction (rear)	106	outwards			█				inwards
Udder cleanness	103	add. teats			█				clean udder

# Wallerstein

HB No. 10/855054  
LOM DE 09 56248655  
Born 21.10.2020

aAa 543126

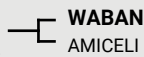
**WESTWIND**



WORLD CUP  
GERMANY

**AUDI**

1/1 10614 3,99 423 3,53 375



WABAN  
AMICELI



MANIGO

5/5 9712 3,52 341 3,65 355

**Milk**

**Fitness**

**Type**



A1A1

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 137** 74%

MILK INDEX

**MI 126** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1160 -0,14 +36 -0,06 +36**

BEEF PERFORMANCE

**BI 103** 75%

Daily net gain Carcass percentage Carcass grade

**107 101 101**

FUNCTIONAL TRAITS

**FIT 121** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
114	120	111	111	100	110	111	105	132



Audi, dam of Wallerstein

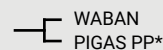
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	109								
Muscling	104								
Feet & Legs	109								
Udder	108								
Height at cross	108	small							large
Body length	112	short							long
Rump width	103	narrow							wide
Body depth	113	shallow							deep
Rump angle	90	ascending							sloped
Hock angularity	87	straight							sickled
Hock develop.	92	swollen							dry
Pasterns	111	weak							strong
Foot angle	114	low angles							steep angles
Fore udder length	98	short							long
Rear udder length	107	short							long
Fore udder att.	108	loose							tight
Susp. ligament	105	weak							strong
Udder depth	104	deep							high
Teat length	92	short							long
Teat thickness	103	thin							thick
Teat placem. (front)	105	wide							close
Teat placem. (rear)	105	wide							close
Teat direction (rear)	109	outwards							inwards
Udder cleanness	103	add. teats							clean udder

# Weko

HB No. 10/874502  
LOM DE 09 56089696  
Born 02.04.2021

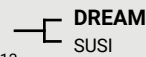
**WAALKES Pp\***



WABAN  
PIGAS PP\*

**SKALA**

200 T. 6134 3,78 232 3,47 213



DREAM  
SUSHI



MONUMENTAL

2/1 8531 2,64 225 3,31 282

**Dual purpose**

**Milking speed**

**Fertility**



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 137** 72%

MILK INDEX

**MI 126** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1073 -0,14 +32 +0,01 +39**

BEEF PERFORMANCE

**BI 110** 72%

Daily net gain Carcass percentage Carcass grade

**115 104 106**

FUNCTIONAL TRAITS

**FIT 118** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
117	111	94	110	102	105	118	110	126



## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	114								
Muscling	104								
Feet & Legs	99								
Udder	109								
Height at cross	116	small							large
Body length	113	short							long
Rump width	109	narrow							wide
Body depth	108	shallow							deep
Rump angle	106	ascending							sloped
Hock angularity	102	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	98	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	95	short							long
Rear udder length	106	short							long
Fore udder att.	108	loose							tight
Susp. ligament	96	weak							strong
Udder depth	108	deep							high
Teat length	97	short							long
Teat thickness	101	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	95	wide							close
Teat direction (rear)	104	outwards							inwards
Udder cleanness	107	add. teats							clean udder

# Hashtag

HB No. 10/874000  
LOM DE 09 54210676  
Born 27.03.2019

aAa 432561



**Milk**      **Milking speed**      **Feet & Legs**



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 136** 80%

MILK INDEX **MI 133** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1385	-0,02	+55	-0,09	+41

BEEF PERFORMANCE **BI 105** 84%

Daily net gain	Carcass percentage	Carcass grade
109	106	100

FUNCTIONAL TRAITS **FIT 105** 84%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
119	105	97	113	109	106	93	110	130



Maxima, dam of Hashtag

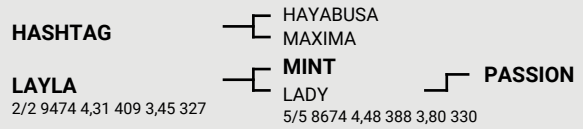
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	108								
Muscling	97								
Feet & Legs	117								
Udder	115								
Height at cross	113	small							large
Body length	104	short							long
Rump width	103	narrow							wide
Body depth	102	shallow							deep
Rump angle	106	ascending							sloped
Hock angularity	95	straight							sickled
Hock develop.	107	swollen							dry
Pasterns	108	weak							strong
Foot angle	111	low angles							steep angles
Fore udder length	101	short							long
Rear udder length	113	short							long
Fore udder att.	102	loose							tight
Susp. ligament	108	weak							strong
Udder depth	109	deep							high
Teat length	95	short							long
Teat thickness	100	thin							thick
Teat placem. (front)	93	wide							close
Teat placem. (rear)	98	wide							close
Teat direction (rear)	108	outwards							inwards
Udder cleanness	103	add. teats							clean udder

# Highland

HB No. 10/861207  
LOM DE 09 56557550  
Born 11.05.2021

aAa 264153



**Type**      **Milk**      **Udder health**



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 136** 74%

MILK INDEX **MI 132** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1398	-0,14	+45	-0,06	+44

BEEF PERFORMANCE **BI 100** 73%

Daily net gain	Carcass percentage	Carcass grade
112	98	96

FUNCTIONAL TRAITS **FIT 113** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
115	117	105	114	105	100	99	106	131



## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	110								
Muscling	101								
Feet & Legs	117								
Udder	122								
Height at cross	111	small							large
Body length	112	short							long
Rump width	108	narrow							wide
Body depth	106	shallow							deep
Rump angle	103	ascending							sloped
Hock angularity	103	straight							sickled
Hock develop.	109	swollen							dry
Pasterns	109	weak							strong
Foot angle	117	low angles							steep angles
Fore udder length	101	short							long
Rear udder length	105	short							long
Fore udder att.	110	loose							tight
Susp. ligament	109	weak							strong
Udder depth	116	deep							high
Teat length	103	short							long
Teat thickness	101	thin							thick
Teat placem. (front)	108	wide							close
Teat placem. (rear)	101	wide							close
Teat direction (rear)	111	outwards							inwards
Udder cleanness	104	add. teats							clean udder



# Zimbo

HB No. 10/855170  
LOM DE 09 5626235  
Born 12.02.2021

**ZEIGER** — ZAZU  
LAMERA  
**HENNA** — HERZPOCHEN — JANDA  
HELLO  
3/2 10208 4,16 425 3,36 343

**Milk Fat-% Longevity**



A1A1

AB

genomic

**TOTAL MERIT INDEX** (Proof: August 2022) **TMI 136** 74%

**MILK INDEX** **MI 131** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1145	+0,11	+58	-0,09	+33

**BEEF PERFORMANCE** **BI 103** 72%

Daily net gain	Carcass percentage	Carcass grade
101	101	103

**FUNCTIONAL TRAITS** **FIT 112** 79%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
118	107	103	119	108	108	99	106	132



Hello, granddam of Zimbo

LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	96				█				large
Muscling	98			█					long
Feet & Legs	106			█					wide
Udder	115			█					deep
Height at cross	95	small			█				large
Body length	98	short			█				long
Rump width	100	narrow			█				wide
Body depth	94	shallow			█				deep
Rump angle	98	ascending			█				sloped
Hock angularity	99	straight	█						sickled
Hock develop.	102	swollen			█				dry
Pasterns	102	weak			█				strong
Foot angle	104	low angles			█				steep angles
Fore udder length	105	short			█				long
Rear udder length	106	short			█				long
Fore udder att.	107	loose			█				tight
Susp. ligament	108	weak			█				strong
Udder depth	109	deep			█				high
Teat length	106	short			█				long
Teat thickness	93	thin	█						thick
Teat placem. (front)	103	wide			█		█		close
Teat placem. (rear)	98	wide			█				close
Teat direction (rear)	100	outwards			█				inwards
Udder cleanness	105	add. teats			█				clean udder

# Wacken

HB No. 10/874509  
LOM DE 09 56869499  
Born 03.03.2021

**GS WUHUDLER** — WABAN  
HERTA  
**MIRIAM** — HERZPOCHEN — MANDRIN  
MAXIMA  
100 T. 3406 4,23 144 3,35 114  
1/1 10901 4,16 454 3,29 359

**Milk Type Longevity**



A1A2

AA

genomic

**TOTAL MERIT INDEX** (Proof: August 2022) **TMI 136** 73%

**MILK INDEX** **MI 130** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1161	-0,03	+45	-0,02	+39

**BEEF PERFORMANCE** **BI 105** 73%

Daily net gain	Carcass percentage	Carcass grade
110	101	103

**FUNCTIONAL TRAITS** **FIT 113** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
108	113	102	116	110	111	98	107	131



Miami, great granddam of Wacken, 4th lac.

LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	115				█				large
Muscling	101			█					long
Feet & Legs	108			█					wide
Udder	110			█					deep
Height at cross	120	small			█				large
Body length	109	short			█				long
Rump width	111	narrow			█				wide
Body depth	107	shallow			█				deep
Rump angle	105	ascending			█				sloped
Hock angularity	100	straight	█						sickled
Hock develop.	99	swollen			█				dry
Pasterns	109	weak			█				strong
Foot angle	114	low angles			█				steep angles
Fore udder length	107	short			█				long
Rear udder length	108	short			█				long
Fore udder att.	105	loose			█				tight
Susp. ligament	105	weak			█				strong
Udder depth	109	deep			█				high
Teat length	101	short			█				long
Teat thickness	98	thin	█						thick
Teat placem. (front)	96	wide			█		█		close
Teat placem. (rear)	97	wide			█				close
Teat direction (rear)	105	outwards			█				inwards
Udder cleanness	102	add. teats			█				clean udder

# Mystic Pp\*

HB No. 10/863206  
LOM DE 09 56777394  
Born 01.02.2021

aAa 462531



Type Fertility Udder health



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 136** 72%

MILK INDEX **MI 122** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+801	-0,01	+32	+0,00	+29

BEEF PERFORMANCE **BI 103** 75%

Daily net gain	Carcass percentage	Carcass grade
110	103	98

FUNCTIONAL TRAITS **FIT 126** 77%

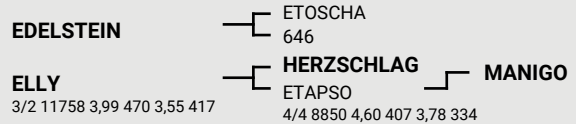
MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
102	122	113	120	99	101	115	105	132



LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	117								
Muscling	103								
Feet & Legs	114								
Udder	126								
Height at cross	119	small							large
Body length	116	short							long
Rump width	114	narrow							wide
Body depth	106	shallow							deep
Rump angle	91	ascending							sloped
Hock angularity	95	straight							sickled
Hock develop.	102	swollen							dry
Pasterns	107	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	98	short							long
Rear udder length	100	short							long
Fore udder att.	119	loose							tight
Susp. ligament	106	weak							strong
Udder depth	125	deep							high
Teat length	99	short							long
Teat thickness	96	thin							thick
Teat placem. (front)	120	wide							close
Teat placem. (rear)	108	wide							close
Teat direction (rear)	114	outwards							inwards
Udder cleanness	108	add. teats							clean udder

# Edelrausch

HB No. 10/881532  
LOM DE 09 55848249  
Born 10.11.2020



Dual purpose Udder Fitness



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 136** 76%

MILK INDEX **MI 121** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+867	-0,08	+29	-0,01	+30

BEEF PERFORMANCE **BI 112** 76%

Daily net gain	Carcass percentage	Carcass grade
111	112	107

FUNCTIONAL TRAITS **FIT 117** 80%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
102	112	103	123	108	106	101	116	136



LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	101								
Muscling	100								
Feet & Legs	110								
Udder	130								
Height at cross	102	small							large
Body length	105	short							long
Rump width	103	narrow							wide
Body depth	98	shallow							deep
Rump angle	93	ascending							sloped
Hock angularity	98	straight							sickled
Hock develop.	106	swollen							dry
Pasterns	105	weak							strong
Foot angle	110	low angles							steep angles
Fore udder length	107	short							long
Rear udder length	95	short							long
Fore udder att.	121	loose							tight
Susp. ligament	104	weak							strong
Udder depth	120	deep							high
Teat length	90	short							long
Teat thickness	96	thin							thick
Teat placem. (front)	103	wide							close
Teat placem. (rear)	98	wide							close
Teat direction (rear)	118	outwards							inwards
Udder cleanness	102	add. teats							clean udder

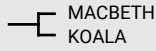
For the correctness of the above-mentioned results GGI-SPERMEX does not assume any liability.

# McFire

HB No. 10/863180  
LOM DE 09 56489316  
Born 05.02.2021

aAa 465231

**MCGYVER**



MACBETH  
KOALA

**BUTTERC ET**

4/4 13292 5,08 675 3,77 501



IMPRESSION

VANSTEIN

BATINCA

2/2 12869 6,32 814 3,71 478

**Milk**

**Components**

**Udder**



A1A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 135** 73%

MILK INDEX

**MI 131** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+908 +0,13 +50 +0,06 +38**

BEEF PERFORMANCE

**BI 96** 73%

Daily net gain Carcass percentage Carcass grade

**92 97 101**

FUNCTIONAL TRAITS

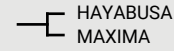
**FIT 116** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
109	113	116	116	107	96	97	119	135

# Haschmich P\*S

HB No. 10/866124  
LOM DE 09 56083113  
Born 20.05.2021

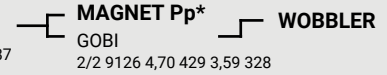
**HASHTAG**



HAYABUSA  
MAXIMA

**GALAXI Pp\***

100 T. 2600 4,12 107 3,35 87



MAGNET Pp\*

WOBLER

GOBI

2/2 9126 4,70 429 3,59 328

**Milk**

**Type**

**Fitness**



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 135** 72%

MILK INDEX

**MI 130** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1325 -0,13 +43 -0,06 +41**

BEEF PERFORMANCE

**BI 103** 72%

Daily net gain Carcass percentage Carcass grade

**106 102 100**

FUNCTIONAL TRAITS

**FIT 113** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
117	103	107	121	111	106	104	99	132



LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	99				█				
Muscling	100			█					
Feet & Legs	104			█					
Udder	122			█					
Height at cross	101	small			█				large
Body length	102	short			█				long
Rump width	94	narrow			█				wide
Body depth	96	shallow			█				deep
Rump angle	96	ascending			█				sloped
Hock angularity	107	straight		█					sickled
Hock develop.	103	swollen			█				dry
Pasterns	105	weak			█				strong
Foot angle	103	low angles			█				steep angles
Fore udder length	94	short			█				long
Rear udder length	95	short			█				long
Fore udder att.	120	loose			█				tight
Susp. ligament	110	weak			█				strong
Udder depth	122	deep			█				high
Teat length	90	short			█				long
Teat thickness	94	thin			█				thick
Teat placem. (front)	106	wide			█				close
Teat placem. (rear)	92	wide			█				close
Teat direction (rear)	93	outwards			█				inwards
Udder cleanliness	101	add. teats			█				clean udder

LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	110				█				
Muscling	101				█				
Feet & Legs	114				█				
Udder	111				█				
Height at cross	114	small			█				large
Body length	104	short			█				long
Rump width	108	narrow			█				wide
Body depth	104	shallow			█				deep
Rump angle	103	ascending			█				sloped
Hock angularity	86	straight			█				sickled
Hock develop.	91	swollen			█				dry
Pasterns	113	weak			█				strong
Foot angle	118	low angles			█				steep angles
Fore udder length	95	short			█				long
Rear udder length	104	short			█				long
Fore udder att.	104	loose			█				tight
Susp. ligament	102	weak			█				strong
Udder depth	106	deep			█				high
Teat length	106	short			█				long
Teat thickness	108	thin			█				thick
Teat placem. (front)	98	wide			█				close
Teat placem. (rear)	102	wide			█				close
Teat direction (rear)	107	outwards			█				inwards
Udder cleanliness	100	add. teats			█				clean udder

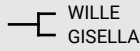


# Wettiner

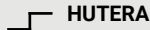
HB No. 10/866020  
LOM DE 09 54030000  
Born 30.10.2018

aAa 546312

**WABAN**



**RALDI**



**MANYA**

3/2 10585 4,44 471 3,59 380

**MARINA**

3/3 9863 4,13 408 3,79 374

**Milk**

**Fitness**

**Udder**



A1A1

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 135** 81%

MILK INDEX **MI 122** 87%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+859** **-0,06** **+31** **+0,00** **+30**

BEEF PERFORMANCE **BI 94** 85%

Daily net gain Carcass percentage Carcass grade

**93** **91** **103**

FUNCTIONAL TRAITS **FIT 126** 85%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
110	124	113	129	93	111	105	106	134



Marina, dam of Wettiner, 2. lact.

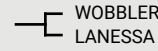
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	99				□				
Muscling	109				■				
Feet & Legs	98				■				
Udder	115				■				
Height at cross	96	small			■				large
Body length	99	short			■				long
Rump width	102	narrow			■				wide
Body depth	109	shallow			■				deep
Rump angle	90	ascending			■				sloped
Hock angularity	104	straight		□	■				sickled
Hock develop.	98	swollen			■				dry
Pasterns	99	weak			■				strong
Foot angle	103	low angles			■				steep angles
Fore udder length	105	short			■				long
Rear udder length	109	short			■				long
Fore udder att.	112	loose			■				tight
Susp. ligament	105	weak			■				strong
Udder depth	107	deep			■				high
Teat length	117	short			■				long
Teat thickness	108	thin			■				thick
Teat placem. (front)	104	wide			■		□		close
Teat placem. (rear)	95	wide			■				close
Teat direction (rear)	98	outwards			■				inwards
Udder cleanness	105	add. teats			■				clean udder

# Winnetoo

HB No. 10/881357  
LOM DE 09 56205860  
Born 16.06.2020

**WEITBLICK**



**RALDI**



**SHIRLEY**

6/6 12725 4,84 616 3,83 487

**SUGAR**

4/3 11642 4,39 511 3,71 432

**Dual purpose**

**Fitness**

**Udder**



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 135** 78%

MILK INDEX **MI 122** 87%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+794** **+0,02** **+35** **+0,01** **+29**

BEEF PERFORMANCE **BI 112** 78%

Daily net gain Carcass percentage Carcass grade

**105** **112** **108**

FUNCTIONAL TRAITS **FIT 117** 81%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
105	117	112	113	94	115	107	96	132



Sugar, dam of Winnetoo, 3rd lac.

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	98				□				
Muscling	102				■				
Feet & Legs	105				■				
Udder	111				■				
Height at cross	98	small			■				large
Body length	103	short			■				long
Rump width	100	narrow			■				wide
Body depth	96	shallow			■				deep
Rump angle	102	ascending			■				sloped
Hock angularity	109	straight		□	■				sickled
Hock develop.	98	swollen			■				dry
Pasterns	103	weak			■				strong
Foot angle	108	low angles			■				steep angles
Fore udder length	96	short			■				long
Rear udder length	93	short			■				long
Fore udder att.	106	loose			■				tight
Susp. ligament	105	weak			■				strong
Udder depth	109	deep			■				high
Teat length	92	short			■				long
Teat thickness	96	thin			■				thick
Teat placem. (front)	106	wide			■		□		close
Teat placem. (rear)	101	wide			■				close
Teat direction (rear)	107	outwards			■				inwards
Udder cleanness	107	add. teats			■				clean udder

# Merten

HB No. 10/866097  
LOM DE 09 55915831  
Born 11.09.2020

aAa 546312



**Udder** **Fitness** **Prot-%**



A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 135** 73%

MILK INDEX **MI 122** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+710	-0,08	+23	+0,12	+35

BEEF PERFORMANCE **BI 88** 75%

Daily net gain	Carcass percentage	Carcass grade
95	84	96

FUNCTIONAL TRAITS **FIT 134** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
102	131	110	131	101	109	117	99	136



Marina, grand dam of Merten, 2nd lac.

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	111								
Muscling	108								
Feet & Legs	117								
Udder	136								
Height at cross	109	small							large
Body length	112	short							long
Rump width	115	narrow							wide
Body depth	107	shallow							deep
Rump angle	88	ascending							sloped
Hock angularity	95	straight							sickled
Hock develop.	106	swollen							dry
Pasterns	114	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	97	short							long
Rear udder length	106	short							long
Fore udder att.	128	loose							tight
Susp. ligament	118	weak							strong
Udder depth	124	deep							high
Teat length	92	short							long
Teat thickness	83	thin							thick
Teat placem. (front)	122	wide							close
Teat placem. (rear)	107	wide							close
Teat direction (rear)	113	outwards							inwards
Udder cleanness	109	add. teats							clean udder

# Wilander

HB No. 10/606810  
LOM AT 01 6202 874  
Born 21.10.2020



**Dual purpose** **Type** **Fitness**



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 135** 73%

MILK INDEX **MI 121** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+887	-0,10	+28	-0,01	+30

BEEF PERFORMANCE **BI 117** 72%

Daily net gain	Carcass percentage	Carcass grade
111	110	117

FUNCTIONAL TRAITS **FIT 118** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
104	122	100	120	92	106	102	103	132



Maly, granddam of Wilander

## LINEAR DESCRIPTION

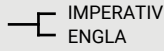
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	98								
Muscling	113								
Feet & Legs	109								
Udder	118								
Height at cross	98	small							large
Body length	97	short							long
Rump width	99	narrow							wide
Body depth	107	shallow							deep
Rump angle	98	ascending							sloped
Hock angularity	107	straight							sickled
Hock develop.	95	swollen							dry
Pasterns	102	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	109	short							long
Rear udder length	102	short							long
Fore udder att.	113	loose							tight
Susp. ligament	105	weak							strong
Udder depth	104	deep							high
Teat length	92	short							long
Teat thickness	93	thin							thick
Teat placem. (front)	110	wide							close
Teat placem. (rear)	108	wide							close
Teat direction (rear)	113	outwards							inwards
Udder cleanness	103	add. teats							clean udder

# Icecream

HB No. 10/881474  
LOM DE 09 56018181  
Born 21.09.2020

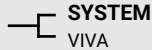
aAa 546321

ICEBREAKER



VINAYA

1/1 9832 4,75 467 3,64 358



WINDSTONE

3/3 9500 4,57 434 3,64 346

Dual purpose

Fitness

Longevity



A1A1

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 135** 72%

MILK INDEX

**MI 120** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+744 +0,00 +31 +0,00 +26**

BEEF PERFORMANCE

**BI 109** 74%

Daily net gain Carcass percentage Carcass grade

**103 107 109**

FUNCTIONAL TRAITS

**FIT 122** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
118	111	104	120	110	100	114	115	134



Vinaya, dam of Icecream

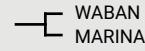
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	93				█				
Muscling	110				█				
Feet & Legs	103				█				
Udder	111				█				
Height at cross	93	small			█				large
Body length	95	short			█				long
Rump width	93	narrow			█				wide
Body depth	94	shallow			█				deep
Rump angle	99	ascending			█				sloped
Hock angularity	93	straight			█				sickled
Hock develop.	96	swollen			█				dry
Pasterns	96	weak			█				strong
Foot angle	99	low angles			█				steep angles
Fore udder length	109	short			█				long
Rear udder length	107	short			█				long
Fore udder att.	111	loose			█				tight
Susp. ligament	100	weak			█				strong
Udder depth	104	deep			█				high
Teat length	98	short			█				long
Teat thickness	110	thin			█				thick
Teat placem. (front)	97	wide			█				close
Teat placem. (rear)	95	wide			█				close
Teat direction (rear)	104	outwards			█				inwards
Udder cleanness	96	add. teats			█				clean udder

# Wuschel Pp\*

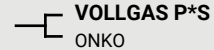
HB No. 10/174333  
LOM DE 09 56763707  
Born 25.03.2021

WETTINER



OSLO Pp\*

2/2 8736 3,70 324 3,59 314



GS HEIDUCK

2/2 6063 4,16 253 3,73 226

Milk

Fitness

Udder health



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 135** 73%

MILK INDEX

**MI 120** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+814 -0,08 +27 +0,00 +29**

BEEF PERFORMANCE

**BI 105** 72%

Daily net gain Carcass percentage Carcass grade

**103 105 102**

FUNCTIONAL TRAITS

**FIT 125** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
107	128	110	118	109	104	109	108	133



## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	106				█				
Muscling	100				█				
Feet & Legs	102				█				
Udder	112				█				
Height at cross	105	small			█				large
Body length	108	short			█				long
Rump width	110	narrow			█				wide
Body depth	105	shallow			█				deep
Rump angle	87	ascending			█				sloped
Hock angularity	106	straight			█				sickled
Hock develop.	107	swollen			█				dry
Pasterns	101	weak			█				strong
Foot angle	103	low angles			█				steep angles
Fore udder length	102	short			█				long
Rear udder length	101	short			█				long
Fore udder att.	104	loose			█				tight
Susp. ligament	95	weak			█				strong
Udder depth	109	deep			█				high
Teat length	101	short			█				long
Teat thickness	95	thin			█				thick
Teat placem. (front)	103	wide			█				close
Teat placem. (rear)	99	wide			█				close
Teat direction (rear)	111	outwards			█				inwards
Udder cleanness	100	add. teats			█				clean udder



# Vredo

HB No. 10/866078  
LOM DE 09 55109944  
Born 20.02.2020

aAa 456321



**Milk** **Fitness** **Udder**



A2A2  
BB  
genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 134** 73%

MILK INDEX <b>MI 123</b> 83%				
milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+906	-0,05	+33	-0,01	+31

BEEF PERFORMANCE <b>BI 99</b> 75%		
Daily net gain	Carcass percentage	Carcass grade
107	97	96

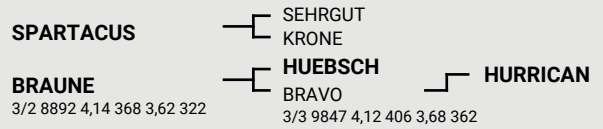
FUNCTIONAL TRAITS <b>FIT 120</b> 78%									
MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI	
112	123	100	122	96	107	104	106	130	



LINEAR DESCRIPTION									
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	106								
Muscling	98								
Feet & Legs	108								
Udder	121								
Height at cross	107	small							large
Body length	103	short							long
Rump width	107	narrow							wide
Body depth	104	shallow							deep
Rump angle	96	ascending							sloped
Hock angularity	99	straight							sickled
Hock develop.	90	swollen							dry
Pasterns	104	weak							strong
Foot angle	107	low angles							steep angles
Fore udder length	110	short							long
Rear udder length	110	short							long
Fore udder att.	101	loose							tight
Susp. ligament	107	weak							strong
Udder depth	114	deep							high
Teat length	104	short							long
Teat thickness	96	thin							thick
Teat placem. (front)	117	wide							close
Teat placem. (rear)	111	wide							close
Teat direction (rear)	111	outwards							inwards
Udder cleanness	105	add. teats							clean udder

# Stefanus

HB No. 10/863201  
LOM DE 09 56783778  
Born 18.02.2021



**Type** **Fitness** **Longevity**



A1A2  
AA  
genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 134** 74%

MILK INDEX <b>MI 121</b> 83%				
milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+757	-0,01	+31	+0,01	+28

BEEF PERFORMANCE <b>BI 104</b> 75%		
Daily net gain	Carcass percentage	Carcass grade
113	99	102

FUNCTIONAL TRAITS <b>FIT 122</b> 78%									
MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI	
111	121	102	126	93	99	112	96	131	

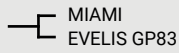


LINEAR DESCRIPTION									
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	109								
Muscling	106								
Feet & Legs	112								
Udder	123								
Height at cross	115	small							large
Body length	102	short							long
Rump width	105	narrow							wide
Body depth	102	shallow							deep
Rump angle	106	ascending							sloped
Hock angularity	90	straight							sickled
Hock develop.	97	swollen							dry
Pasterns	109	weak							strong
Foot angle	115	low angles							steep angles
Fore udder length	109	short							long
Rear udder length	104	short							long
Fore udder att.	108	loose							tight
Susp. ligament	116	weak							strong
Udder depth	111	deep							high
Teat length	95	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	114	wide							close
Teat placem. (rear)	111	wide							close
Teat direction (rear)	125	outwards							inwards
Udder cleanness	104	add. teats							clean udder

# Manitou

HB No. 10/606729  
LOM AT 18 7109 774  
Born 20.03.2020

**MANAUS**



**PEANUT**

3/2 10350 3,72 385 3,69 382



**HARIBO**

4/3 11503 3,78 435 3,44 396



**MANTON**

**Dual purpose**

**Udder**

**Milking speed**



A1A1

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 134** 75%

MILK INDEX

**MI 119** 84%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+896** **-0,11** **+28** **-0,05** **+27**

BEEF PERFORMANCE

**BI 110** 76%

Daily net gain Carcass percentage Carcass grade

**103** **104** **114**

FUNCTIONAL TRAITS

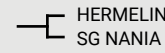
**FIT 120** 80%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
126	110	112	122	100	104	110	103	136

# Hirte P\*S

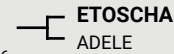
HB No. 10/855197  
LOM AT 66 7957 474  
Born 05.04.2021

**GS HUBERBUA**



**ARONIA Pp\***

4/3 10530 4,31 454 3,29 346



**ETOSCHA**

5/4 13210 4,03 532 3,22 425



**ROTTMOOS Pp**

**Milk**

**Beef**

**Udder**



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 133** 73%

MILK INDEX

**MI 128** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1185** **-0,10** **+40** **-0,05** **+37**

BEEF PERFORMANCE

**BI 110** 71%

Daily net gain Carcass percentage Carcass grade

**114** **109** **103**

FUNCTIONAL TRAITS

**FIT 108** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
105	109	103	112	109	104	97	103	124



Aronia Pp, dam of Hirte PS, 3rd lac.

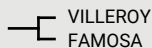
LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>106</b>								
<b>Muscling</b>	<b>109</b>								
<b>Feet &amp; Legs</b>	<b>112</b>								
<b>Udder</b>	<b>118</b>								
Height at cross	107	small							large
Body length	101	short							long
Rump width	102	narrow							wide
Body depth	106	shallow							deep
Rump angle	109	ascending							sloped
Hock angularity	89	straight							sickled
Hock develop.	96	swollen							dry
Pasterns	104	weak							strong
Foot angle	112	low angles							steep angles
Fore udder length	114	short							long
Rear udder length	113	short							long
Fore udder att.	107	loose							tight
Susp. ligament	108	weak							strong
Udder depth	108	deep							high
Teat length	98	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	100	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	100	outwards							inwards
Udder cleanness	102	add. teats							clean udder

LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>100</b>								
<b>Muscling</b>	<b>100</b>								
<b>Feet &amp; Legs</b>	<b>106</b>								
<b>Udder</b>	<b>110</b>								
Height at cross	101	small							large
Body length	102	short							long
Rump width	107	narrow							wide
Body depth	94	shallow							deep
Rump angle	98	ascending							sloped
Hock angularity	102	straight							sickled
Hock develop.	109	swollen							dry
Pasterns	102	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	103	short							long
Rear udder length	94	short							long
Fore udder att.	101	loose							tight
Susp. ligament	106	weak							strong
Udder depth	109	deep							high
Teat length	96	short							long
Teat thickness	85	thin							thick
Teat placem. (front)	99	wide							close
Teat placem. (rear)	99	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	104	add. teats							clean udder

# Vitara

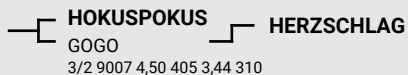
HB No. 10/866104  
LOM DE 09 56083077  
Born 29.11.2020

**VIRGINIA**



**GONDOLA**

1/1 9589 4,03 386 3,81 365



**Milk**

**Udder health**

**Udder**



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 133** 73%

MILK INDEX **MI 127** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1121	-0,16	+32	+0,02	+42

BEEF PERFORMANCE **BI 110** 71%

Daily net gain	Carcass percentage	Carcass grade
115	103	108

FUNCTIONAL TRAITS **FIT 109** 77%

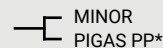
MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
101	113	97	114	99	108	94	109	126

# Monet PP\*

HB No. 10/871405  
LOM DE 09 56126785  
Born 07.10.2020

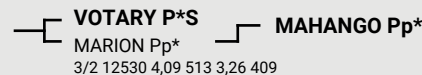
aAa 546132

**MERCEDES Pp\***



**MARIE Pp\***

1/1 9583 3,89 373 3,43 329



**Milk**

**Beef**

**Type**



A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 133** 73%

MILK INDEX **MI 126** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1172	-0,16	+34	-0,04	+38

BEEF PERFORMANCE **BI 109** 75%

Daily net gain	Carcass percentage	Carcass grade
115	99	110

FUNCTIONAL TRAITS **FIT 112** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
100	118	96	107	104	109	99	115	125



Marion Pp, granddam of Monet PP, 3rd lact.

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	112								
Muscling	101								
Feet & Legs	102								
Udder	119								
Height at cross	112	small							large
Body length	115	short							long
Rump width	110	narrow							wide
Body depth	109	shallow							deep
Rump angle	106	ascending							sloped
Hock angularity	103	straight							sickled
Hock develop.	103	swollen							dry
Pasterns	100	weak							strong
Foot angle	109	low angles							steep angles
Fore udder length	106	short							long
Rear udder length	103	short							long
Fore udder att.	115	loose							tight
Susp. ligament	103	weak							strong
Udder depth	105	deep							high
Teat length	96	short							long
Teat thickness	90	thin							thick
Teat placem. (front)	125	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	113	outwards							inwards
Udder cleanness	100	add. teats							clean udder

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	112								
Muscling	113								
Feet & Legs	111								
Udder	110								
Height at cross	110	small							large
Body length	114	short							long
Rump width	113	narrow							wide
Body depth	116	shallow							deep
Rump angle	104	ascending							sloped
Hock angularity	103	straight							sickled
Hock develop.	93	swollen							dry
Pasterns	107	weak							strong
Foot angle	116	low angles							steep angles
Fore udder length	96	short							long
Rear udder length	109	short							long
Fore udder att.	115	loose							tight
Susp. ligament	102	weak							strong
Udder depth	104	deep							high
Teat length	105	short							long
Teat thickness	95	thin							thick
Teat placem. (front)	109	wide							close
Teat placem. (rear)	111	wide							close
Teat direction (rear)	112	outwards							inwards
Udder cleanness	101	add. teats							clean udder



# Edel

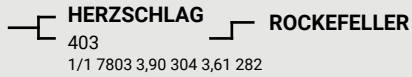
HB No. 10/881361  
LOM DE 09 55846339  
Born 02.07.2020

**ELEGANT**



**CORONA**

2/1 9924 4,09 406 3,60 357



1/1 7803 3,90 304 3,61 282

**Milk**

**Beef**

**Udder**



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 133** 75%

MILK INDEX **MI 126** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1232	-0,18	+34	-0,07	+37

BEEF PERFORMANCE **BI 110** 75%

Daily net gain	Carcass percentage	Carcass grade
110	106	107

FUNCTIONAL TRAITS **FIT 114** 79%

MS	UH	Pers	PL	Calving ease CEp	CeEm	Fert	VIT	ETMI
104	111	112	109	98	99	110	96	127



## LINEAR DESCRIPTION

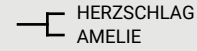
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	102								
Muscling	104								
Feet & Legs	100								
Udder	119								
Height at cross	100	small							large
Body length	102	short							long
Rump width	108	narrow							wide
Body depth	106	shallow							deep
Rump angle	105	ascending							sloped
Hock angularity	93	straight							sickled
Hock develop.	86	swollen							dry
Pasterns	107	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	111	short							long
Rear udder length	99	short							long
Fore udder att.	111	loose							tight
Susp. ligament	105	weak							strong
Udder depth	103	deep							high
Teat length	84	short							long
Teat thickness	88	thin							thick
Teat placem. (front)	110	wide							close
Teat placem. (rear)	113	wide							close
Teat direction (rear)	127	outwards							inwards
Udder cleanness	103	add. teats							clean udder

# Hegel

HB No. 10/866073  
LOM DE 09 55445139  
Born 28.12.2019

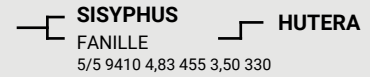
aAa 564132

**HERKULES**



**FRISKA**

2/2 7879 5,41 426 3,66 289



5/5 9410 4,83 455 3,50 330

**Components**

**Milking speed**

**Udder**



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 133** 77%

MILK INDEX **MI 125** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+763	+0,14	+45	+0,01	+28

BEEF PERFORMANCE **BI 112** 77%

Daily net gain	Carcass percentage	Carcass grade
114	108	108

FUNCTIONAL TRAITS **FIT 111** 81%

MS	UH	Pers	PL	Calving ease CEp	CeEm	Fert	VIT	ETMI
123	104	93	102	104	105	120	103	125



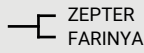
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	106								
Muscling	97								
Feet & Legs	100								
Udder	122								
Height at cross	108	small							large
Body length	107	short							long
Rump width	104	narrow							wide
Body depth	104	shallow							deep
Rump angle	110	ascending							sloped
Hock angularity	103	straight							sickled
Hock develop.	98	swollen							dry
Pasterns	95	weak							strong
Foot angle	107	low angles							steep angles
Fore udder length	117	short							long
Rear udder length	102	short							long
Fore udder att.	110	loose							tight
Susp. ligament	107	weak							strong
Udder depth	112	deep							high
Teat length	91	short							long
Teat thickness	93	thin							thick
Teat placem. (front)	110	wide							close
Teat placem. (rear)	112	wide							close
Teat direction (rear)	120	outwards							inwards
Udder cleanness	98	add. teats							clean udder

# Zafon

HB No. 10/427098  
LOM DE 08 17176955  
Born 09.01.2019

ZAZU



HERZSCHLAG HURRICAN

MEGGY

3/2 11558 4,10 474 3,42 395

MARGIT  
2/2 9096 4,22 384 3,74 340

Milk

Beef

Fitness



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 133** 78%

MILK INDEX

**MI 123** 86%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+928 -0,02 +37 -0,04 +30**

BEEF PERFORMANCE

**BI 109** 75%

Daily net gain Carcass percentage Carcass grade

**103 110 108**

FUNCTIONAL TRAITS

**FIT 116** 82%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
107	121	103	118	103	104	105	95	127



Meggy, dam of Zafon

## LINEAR DESCRIPTION

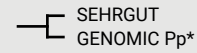
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	96				█				
Muscling	109				█				
Feet & Legs	107				█				
Udder	105				█				
Height at cross	94	small			█				large
Body length	99	short			█				long
Rump width	104	narrow			█				wide
Body depth	99	shallow			█				deep
Rump angle	105	ascending			█				sloped
Hock angularity	94	straight	█						sickled
Hock develop.	97	swollen			█				dry
Pasterns	101	weak			█				strong
Foot angle	104	low angles			█				steep angles
Fore udder length	107	short			█				long
Rear udder length	105	short			█				long
Fore udder att.	98	loose			█				tight
Susp. ligament	100	weak			█				strong
Udder depth	99	deep			█				high
Teat length	92	short			█				long
Teat thickness	90	thin			█				thick
Teat placem. (front)	100	wide			█		█		close
Teat placem. (rear)	100	wide			█		█		close
Teat direction (rear)	107	outwards			█				inwards
Udder cleanness	99	add. teats			█				clean udder

# Snickers Pp\*

HB No. 10/881774  
LOM DE 09 56988220  
Born 05.05.2021

aAa 516342

SEMPER FI Pp\*



TARTUFO

1/1 10920 4,08 445 3,64 397

WABAN

TWIXX

MANIGO

4/4 12634 3,90 492 3,74 472

Teat length

Milk

Fitness



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 133** 72%

MILK INDEX

**MI 122** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1023 -0,15 +29 -0,05 +32**

BEEF PERFORMANCE

**BI 103** 71%

Daily net gain Carcass percentage Carcass grade

**104 97 105**

FUNCTIONAL TRAITS

**FIT 124** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
98	120	106	119	98	103	112	110	130

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	98				█				
Muscling	103				█				
Feet & Legs	101				█				
Udder	109				█				
Height at cross	98	small			█				large
Body length	100	short			█				long
Rump width	101	narrow			█				wide
Body depth	100	shallow			█				deep
Rump angle	96	ascending			█				sloped
Hock angularity	109	straight	█						sickled
Hock develop.	107	swollen			█				dry
Pasterns	93	weak			█				strong
Foot angle	104	low angles			█				steep angles
Fore udder length	100	short			█				long
Rear udder length	111	short			█				long
Fore udder att.	106	loose			█				tight
Susp. ligament	114	weak			█				strong
Udder depth	97	deep			█				high
Teat length	115	short			█				long
Teat thickness	105	thin			█				thick
Teat placem. (front)	112	wide			█		█		close
Teat placem. (rear)	111	wide			█		█		close
Teat direction (rear)	114	outwards			█				inwards
Udder cleanness	107	add. teats			█				clean udder

# Hardeck

HB No. 10/427141  
LOM DE 08 17646880  
Born 07.03.2021

**HARDENBERG**

— HOKUSPOKUS  
COLA-ZERO

**CYNTHIA**

2/1 7155 4,00 286 3,24 232

— **WABAN**  
CYPRUS

— **PASSION**

4/4 8819 3,65 322 3,21 284

**Udder**

**Components**

**Fertility**



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 133** 71%

MILK INDEX

**MI 120** 81%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+656** **+0,04** **+31** **+0,02** **+25**

BEEF PERFORMANCE

**BI 108** 68%

Daily net gain Carcass percentage Carcass grade

**104** **108** **105**

FUNCTIONAL TRAITS

**FIT 124** 76%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
101	118	98	116	117	97	119	115	128



Cola Zero, granddam of Hardeck, 3rd lac.

**LINEAR DESCRIPTION**

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	98								
Muscling	97								
Feet & Legs	104								
Udder	119								
Height at cross	100	small							large
Body length	93	short							long
Rump width	96	narrow							wide
Body depth	102	shallow							deep
Rump angle	97	ascending							sloped
Hock angularity	94	straight							sickled
Hock develop.	98	swollen							dry
Pasterns	96	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	107	short							long
Rear udder length	104	short							long
Fore udder att.	114	loose							tight
Susp. ligament	100	weak							strong
Udder depth	111	deep							high
Teat length	101	short							long
Teat thickness	98	thin							thick
Teat placem. (front)	110	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	108	outwards							inwards
Udder cleanness	99	add. teats							clean udder

# Hostmi

HB No. 10/174300  
LOM DE 09 56757055  
Born 18.03.2021

**HOFMEISTER**

— HERZPOCHEN  
SMARAGD

**NOBBLA**

2/2 8474 4,77 405 3,96 336

— **WOBLER**  
NENE

— **GS RAU**

7/6 8461 4,78 404 3,86 326

**Dual purpose**

**Components**

**Longevity**



A1A1

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 133** 73%

MILK INDEX

**MI 120** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+507** **+0,11** **+31** **+0,08** **+25**

BEEF PERFORMANCE

**BI 110** 73%

Daily net gain Carcass percentage Carcass grade

**110** **106** **107**

FUNCTIONAL TRAITS

**FIT 119** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
109	107	102	124	107	106	114	102	131



**LINEAR DESCRIPTION**

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	102								
Muscling	105								
Feet & Legs	107								
Udder	112								
Height at cross	100	small							large
Body length	102	short							long
Rump width	107	narrow							wide
Body depth	98	shallow							deep
Rump angle	87	ascending							sloped
Hock angularity	90	straight							sickled
Hock develop.	93	swollen							dry
Pasterns	106	weak							strong
Foot angle	110	low angles							steep angles
Fore udder length	108	short							long
Rear udder length	112	short							long
Fore udder att.	113	loose							tight
Susp. ligament	105	weak							strong
Udder depth	104	deep							high
Teat length	101	short							long
Teat thickness	89	thin							thick
Teat placem. (front)	100	wide							close
Teat placem. (rear)	103	wide							close
Teat direction (rear)	101	outwards							inwards
Udder cleanness	106	add. teats							clean udder



# Mcpochen

HB No. 10/874511  
LOM DE 09 56089664  
Born 05.01.2021

**MCGYVER**

MACBETH  
KOALA

**MIRIAM**

100 T. 3406 4,23 144 3,35 114

HERZPOCHEN MANDRIN  
MAXIMA

1/1 10901 4,16 454 3,29 359

**Udder**

**Milk**

**Fat-%**



A1A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 132** 73%

MILK INDEX

**MI 133** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1170 +0,07 +55 -0,03 +39**

BEEF PERFORMANCE

**BI 103** 73%

Daily net gain Carcass percentage Carcass grade

**113 102 97**

FUNCTIONAL TRAITS

**FIT 103** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
125	101	103	107	113	103	98	99	127

# Maitai Pp

HB No. 10/606806  
LOM AT 38 7644 174  
Born 07.12.2020

aAa 463231

**GS MURTAL Pp\***

GS MAECHTIG Pp\*  
BM NORA

**UNICA**

2/1 6849 3,63 249 3,71 254

GS DER BESTE WEB  
UNA

6/5 8416 3,56 300 3,61 304

**Milk**

**Beef**

**Prot-%**



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 132** 72%

MILK INDEX

**MI 128** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1055 -0,13 +32 +0,07 +44**

BEEF PERFORMANCE

**BI 114** 74%

Daily net gain Carcass percentage Carcass grade

**117 115 103**

FUNCTIONAL TRAITS

**FIT 102** 76%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
118	106	96	109	107	100	91	108	124



LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	111								
Muscling	99								
Feet & Legs	106								
Udder	118								
Height at cross	113	small							large
Body length	109	short							long
Rump width	103	narrow							wide
Body depth	108	shallow							deep
Rump angle	100	ascending							sloped
Hock angularity	102	straight							sickled
Hock develop.	104	swollen							dry
Pasterns	104	weak							strong
Foot angle	108	low angles							steep angles
Fore udder length	110	short							long
Rear udder length	108	short							long
Fore udder att.	116	loose							tight
Susp. ligament	105	weak							strong
Udder depth	107	deep							high
Teat length	84	short							long
Teat thickness	102	thin							thick
Teat placem. (front)	106	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	104	outwards							inwards
Udder cleanness	103	add. teats							clean udder

LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	104								
Muscling	99								
Feet & Legs	108								
Udder	106								
Height at cross	104	small							large
Body length	104	short							long
Rump width	102	narrow							wide
Body depth	103	shallow							deep
Rump angle	102	ascending							sloped
Hock angularity	102	straight							sickled
Hock develop.	103	swollen							dry
Pasterns	103	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	101	short							long
Rear udder length	105	short							long
Fore udder att.	96	loose							tight
Susp. ligament	112	weak							strong
Udder depth	103	deep							high
Teat length	99	short							long
Teat thickness	111	thin							thick
Teat placem. (front)	99	wide							close
Teat placem. (rear)	116	wide							close
Teat direction (rear)	112	outwards							inwards
Udder cleanness	103	add. teats							clean udder

# Ernst

HB No. 10/881775  
LOM DE 09 56370507  
Born 02.05.2021

EPHRAIM

GS EHR SAM  
KEWANA

NIWA

1/1 9384 4,18 392 3,60 338

WABAN

NIVES  
5/5 10394 4,22 439 3,40 353

HUTERA

Components

Milking speed

Fitness



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 132** 73%

MILK INDEX

**MI 127** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+784 +0,13 +44 +0,07 +34**

BEEF PERFORMANCE

**BI 100** 73%

Daily net gain Carcass percentage Carcass grade

**98 100 100**

FUNCTIONAL TRAITS

**FIT 114** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
118	105	102	116	100	103	107	109	128



## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	111								
Muscling	99								
Feet & Legs	104								
Udder	113								
Height at cross	112	small							large
Body length	110	short							long
Rump width	107	narrow							wide
Body depth	104	shallow							deep
Rump angle	103	ascending							sloped
Hock angularity	105	straight							sickled
Hock develop.	97	swollen							dry
Pasterns	107	weak							strong
Foot angle	113	low angles							steep angles
Fore udder length	100	short							long
Rear udder length	102	short							long
Fore udder att.	111	loose							tight
Susp. ligament	98	weak							strong
Udder depth	107	deep							high
Teat length	100	short							long
Teat thickness	110	thin							thick
Teat placem. (front)	116	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	102	outwards							inwards
Udder cleanness	106	add. teats							clean udder

# Edelpilz Pp\*

HB No. 10/863070  
LOM DE 09 55990757  
Born 17.06.2020

aAa 564132

EDELSTEIN

ETOSCHA  
646

GENIE Pp\*

1/1 10385 3,91 406 3,74 388

MUERITZ P\*S

GAHANGO Pp\*  
4/3 10074 4,39 443 3,79 382

MAHANGO Pp\*

Prot-%

Fitness

Type



A1A1

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 132** 75%

MILK INDEX

**MI 121** 85%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+769 -0,08 +25 +0,07 +33**

BEEF PERFORMANCE

**BI 108** 76%

Daily net gain Carcass percentage Carcass grade

**110 108 102**

FUNCTIONAL TRAITS

**FIT 118** 79%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
98	115	101	118	101	110	109	101	127



Genie Pp, dam of Edelpilz Pp

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	108								
Muscling	102								
Feet & Legs	112								
Udder	112								
Height at cross	110	small							large
Body length	109	short							long
Rump width	106	narrow							wide
Body depth	100	shallow							deep
Rump angle	99	ascending							sloped
Hock angularity	94	straight							sickled
Hock develop.	103	swollen							dry
Pasterns	107	weak							strong
Foot angle	110	low angles							steep angles
Fore udder length	95	short							long
Rear udder length	91	short							long
Fore udder att.	112	loose							tight
Susp. ligament	109	weak							strong
Udder depth	116	deep							high
Teat length	102	short							long
Teat thickness	104	thin							thick
Teat placem. (front)	98	wide							close
Teat placem. (rear)	100	wide							close
Teat direction (rear)	108	outwards							inwards
Udder cleanness	99	add. teats							clean udder

# Erasmus

HB No. 10/427103  
LOM DE 08 17174893  
Born 04.04.2019

aAa 465231

**GS EHRSAM**

— ETOSCHA  
— REWANA

**KEWANA**

3/2 11392 4,75 541 3,56 405

— **GS WATTKING** — **HUTERA**  
— KESSA

4/4 11722 4,59 538 3,54 415

**Capacity**

**Fitness**

**Udder**



A1A1

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 132** 80%

MILK INDEX

**MI 116** 86%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+715 -0,11 +20 -0,02 +24**

BEEF PERFORMANCE

**BI 105** 81%

Daily net gain Carcass percentage Carcass grade

**106 108 100**

FUNCTIONAL TRAITS

**FIT 122** 84%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
118	116	101	127	94	105	113	99	131



Kewana, dam of Erasmus

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	116								
Muscling	110								
Feet & Legs	106								
Udder	131								
Height at cross	116	small							large
Body length	115	short							long
Rump width	119	narrow							wide
Body depth	111	shallow							deep
Rump angle	94	ascending							sloped
Hock angularity	108	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	105	weak							strong
Foot angle	121	low angles							steep angles
Fore udder length	97	short							long
Rear udder length	90	short							long
Fore udder att.	122	loose							tight
Susp. ligament	106	weak							strong
Udder depth	124	deep							high
Teat length	86	short							long
Teat thickness	91	thin							thick
Teat placem. (front)	120	wide							close
Teat placem. (rear)	101	wide							close
Teat direction (rear)	105	outwards							inwards
Udder cleanness	105	add. teats							clean udder

# Mercigut Pp\*

HB No. 10/866099  
LOM DE 09 56110171  
Born 12.11.2020

**MERCEDES Pp\***

— MINOR  
— PIGAS PP\*

**LUMINAT Pp\***

200 T. 8169 3,87 316 3,46 283

— **IRREGUT P\*S** — **MAHANGO Pp\***  
— LUSO Pp\*

1/1 8563 4,82 413 3,61 309

**Milk**

**Components**

**Capacity**



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 131** 72%

MILK INDEX

**MI 132** 81%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+917 +0,16 +53 +0,07 +39**

BEEF PERFORMANCE

**BI 98** 74%

Daily net gain Carcass percentage Carcass grade

**104 97 97**

FUNCTIONAL TRAITS

**FIT 107** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
104	116	91	108	96	107	98	103	119



## LINEAR DESCRIPTION

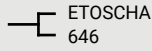
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	112								
Muscling	109								
Feet & Legs	106								
Udder	114								
Height at cross	114	small							large
Body length	113	short							long
Rump width	109	narrow							wide
Body depth	111	shallow							deep
Rump angle	97	ascending							sloped
Hock angularity	96	straight							sickled
Hock develop.	87	swollen							dry
Pasterns	105	weak							strong
Foot angle	107	low angles							steep angles
Fore udder length	111	short							long
Rear udder length	114	short							long
Fore udder att.	110	loose							tight
Susp. ligament	100	weak							strong
Udder depth	103	deep							high
Teat length	97	short							long
Teat thickness	96	thin							thick
Teat placem. (front)	106	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	109	outwards							inwards
Udder cleanness	106	add. teats							clean udder



# Eduard

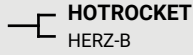
HB No. 10/427139  
LOM DE 08 17681186  
Born 02.02.2021

EDELSTEIN



HERZ-TRUMPF

4/3 10281 3,96 407 3,37 346



WABAN

Milk

Udder

Fertility



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 131** 76%

MILK INDEX

**MI 126** 86%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1143 -0,09 +39 -0,05 +36**

BEEF PERFORMANCE

**BI 101** 74%

Daily net gain Carcass percentage Carcass grade

**103 101 100**

FUNCTIONAL TRAITS

**FIT 115** 79%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
103	108	107	110	105	100	116	96	124



Herz-Trumpf, dam of Eduard, 4th lac.

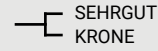
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	103								
Muscling	102								
Feet & Legs	105								
Udder	115								
Height at cross	105	small							large
Body length	106	short							long
Rump width	101	narrow							wide
Body depth	102	shallow							deep
Rump angle	101	ascending							sloped
Hock angularity	109	straight							sickled
Hock develop.	105	swollen							dry
Pasterns	104	weak							strong
Foot angle	113	low angles							steep angles
Fore udder length	99	short							long
Rear udder length	105	short							long
Fore udder att.	107	loose							tight
Susp. ligament	111	weak							strong
Udder depth	105	deep							high
Teat length	91	short							long
Teat thickness	100	thin							thick
Teat placem. (front)	105	wide							close
Teat placem. (rear)	107	wide							close
Teat direction (rear)	113	outwards							inwards
Udder cleanness	95	add. teats							clean udder

# Spontax

HB No. 10/427147  
LOM DE 08 17750966  
Born 08.04.2021

SPARTACUS



2/1 10964 4,07 446 3,33 365



PASSION

3/3 8924 3,65 325 3,31 295

Milk

Udder

Milking speed



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 131** 72%

MILK INDEX

**MI 125** 81%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1088 -0,08 +38 -0,06 +33**

BEEF PERFORMANCE

**BI 107** 72%

Daily net gain Carcass percentage Carcass grade

**104 114 98**

FUNCTIONAL TRAITS

**FIT 110** 76%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
115	106	99	117	109	95	101	107	124



## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	100								
Muscling	97								
Feet & Legs	111								
Udder	117								
Height at cross	102	small							large
Body length	97	short							long
Rump width	98	narrow							wide
Body depth	95	shallow							deep
Rump angle	91	ascending							sloped
Hock angularity	97	straight							sickled
Hock develop.	108	swollen							dry
Pasterns	104	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	114	short							long
Rear udder length	102	short							long
Fore udder att.	113	loose							tight
Susp. ligament	107	weak							strong
Udder depth	110	deep							high
Teat length	109	short							long
Teat thickness	95	thin							thick
Teat placem. (front)	109	wide							close
Teat placem. (rear)	107	wide							close
Teat direction (rear)	112	outwards							inwards
Udder cleanness	102	add. teats							clean udder

# Warhol

HB No. 10/427153  
LOM DE 08 17759063  
Born 25.06.2021

**WASSERMANN**

— GS WATERMAN  
— BARSE

**BANANE**

1/1 9059 3,71 336 3,49 316

— **HILFINGER** — **RALDI**  
— BALINA

3/3 8227 3,57 294 3,47 285

**Dual purpose**

**Type**

**Longevity**



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 131** 71%

MILK INDEX

**MI 124** 81%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+993** **-0,12** **+30** **+0,00** **+36**

BEEF PERFORMANCE

**BI 111** 68%

Daily net gain Carcass percentage Carcass grade

**111** **113** **103**

FUNCTIONAL TRAITS

**FIT 111** 76%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
108	100	101	114	102	110	112	93	127

# Honk

HB No. 10/862542  
LOM DE 09 54614184  
Born 25.03.2019

**HOKUSPOKUS**

— HURLY  
— NELLE

**WASINKA**

4/3 13293 3,99 531 3,54 471

— **RALDI** — **HUTERA**  
— WASINKA

1/1 8700 4,25 370 3,56 310

**Dual purpose**

**Udder health**

**Type**



A1A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 131** 76%

MILK INDEX

**MI 123** 86%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+689** **+0,09** **+37** **+0,05** **+29**

BEEF PERFORMANCE

**BI 110** 75%

Daily net gain Carcass percentage Carcass grade

**111** **110** **102**

FUNCTIONAL TRAITS

**FIT 112** 80%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
105	119	103	110	99	99	101	102	126



Wasinka, dam of Honk

LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	113								
Muscling	100								
Feet & Legs	110								
Udder	115								
Height at cross	117	small							large
Body length	113	short							long
Rump width	101	narrow							wide
Body depth	106	shallow							deep
Rump angle	100	ascending							sloped
Hock angularity	108	straight							sickled
Hock develop.	106	swollen							dry
Pasterns	108	weak							strong
Foot angle	101	low angles							steep angles
Fore udder length	103	short							long
Rear udder length	112	short							long
Fore udder att.	110	loose							tight
Susp. ligament	108	weak							strong
Udder depth	104	deep							high
Teat length	86	short							long
Teat thickness	96	thin							thick
Teat placem. (front)	107	wide							close
Teat placem. (rear)	101	wide							close
Teat direction (rear)	102	outwards							inwards
Udder cleanness	103	add. teats							clean udder

LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	123								
Muscling	110								
Feet & Legs	107								
Udder	118								
Height at cross	124	small							large
Body length	120	short							long
Rump width	113	narrow							wide
Body depth	121	shallow							deep
Rump angle	104	ascending							sloped
Hock angularity	101	straight							sickled
Hock develop.	99	swollen							dry
Pasterns	106	weak							strong
Foot angle	113	low angles							steep angles
Fore udder length	98	short							long
Rear udder length	98	short							long
Fore udder att.	108	loose							tight
Susp. ligament	96	weak							strong
Udder depth	116	deep							high
Teat length	105	short							long
Teat thickness	104	thin							thick
Teat placem. (front)	115	wide							close
Teat placem. (rear)	103	wide							close
Teat direction (rear)	108	outwards							inwards
Udder cleanness	97	add. teats							clean udder

# Welldone PP\*

HB No. 10/881682  
LOM DE 09 56976586  
Born 23.03.2021

aAa 423651

WAALKES Pp\*

WABAN  
PIGAS PP\*

FELLI

1/1 9550 4,04 386 3,47 331

MYLIFE Pp\*

FALUN  
7/7 9493 4,22 401 3,35 318

ENDO

Dual purpose

Udder

Udder health



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 131** 72%

MILK INDEX

**MI 122** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+834</b>	<b>+0,00</b>	<b>+34</b>	<b>-0,03</b>	<b>+27</b>

BEEF PERFORMANCE

**BI 109** 70%

Daily net gain	Carcass percentage	Carcass grade
<b>111</b>	<b>110</b>	<b>102</b>

FUNCTIONAL TRAITS

**FIT 114** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>109</b>	<b>113</b>	<b>97</b>	<b>110</b>	<b>104</b>	<b>111</b>	<b>110</b>	<b>103</b>	<b>124</b>



Felli, dam of Welldone PP

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	111								
Muscling	101								
Feet & Legs	95								
Udder	116								
Height at cross	111	small							large
Body length	113	short							long
Rump width	108	narrow							wide
Body depth	101	shallow							deep
Rump angle	105	ascending							sloped
Hock angularity	116	straight							sickled
Hock develop.	108	swollen							dry
Pasterns	99	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	110	short							long
Rear udder length	93	short							long
Fore udder att.	117	loose							tight
Susp. ligament	103	weak							strong
Udder depth	116	deep							high
Teat length	96	short							long
Teat thickness	99	thin							thick
Teat placem. (front)	113	wide							close
Teat placem. (rear)	98	wide							close
Teat direction (rear)	106	outwards							inwards
Udder cleanness	103	add. teats							clean udder

# Epikur

HB No. 10/427130  
LOM DE 08 17813144  
Born 19.09.2020

aAa 465231

EDELSTEIN

ETOSCHA  
646

BOUNTY

1/1 7351 4,46 328 3,20 235

HERZSCHLAG  
MINT

BEAUTY  
3/3 6568 4,00 263 3,49 229

Udder

Udder health

Vitality



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 131** 76%

MILK INDEX

**MI 118** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+708</b>	<b>-0,01</b>	<b>+29</b>	<b>-0,02</b>	<b>+23</b>

BEEF PERFORMANCE

**BI 103** 76%

Daily net gain	Carcass percentage	Carcass grade
<b>105</b>	<b>103</b>	<b>101</b>

FUNCTIONAL TRAITS

**FIT 120** 80%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>103</b>	<b>124</b>	<b>97</b>	<b>123</b>	<b>110</b>	<b>102</b>	<b>101</b>	<b>115</b>	<b>130</b>



Bounty, dam of Epikur

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	102								
Muscling	100								
Feet & Legs	109								
Udder	136								
Height at cross	105	small							large
Body length	107	short							long
Rump width	99	narrow							wide
Body depth	94	shallow							deep
Rump angle	110	ascending							sloped
Hock angularity	95	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	111	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	100	short							long
Rear udder length	87	short							long
Fore udder att.	118	loose							tight
Susp. ligament	110	weak							strong
Udder depth	135	deep							high
Teat length	80	short							long
Teat thickness	83	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	108	wide							close
Teat direction (rear)	122	outwards							inwards
Udder cleanness	98	add. teats							clean udder



# Mendes PP\*

HB No. 10/871425  
LOM DE 09 56582480  
Born 14.01.2021

**MERCEDES Pp\*** — MINOR  
— PIGAS PP\*  
**HONEY Pp\*** — MCDRIVE Pp\* — VLADO  
— HORNIS  
200 T. 6902 3,64 251 3,09 213  
6/6 10036 3,91 393 3,09 310

**Udder** **Dual purpose** **Fitness**



A2A2

BB

genomic

**TOTAL MERIT INDEX** (Proof: August 2022) **TMI 131** 73%

**MILK INDEX** **MI 118** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+1040</b>	-0,21	<b>+24</b>	-0,13	<b>+25</b>

**BEEF PERFORMANCE** **BI 107** 75%

Daily net gain	Carcass percentage	Carcass grade
<b>111</b>	<b>102</b>	<b>106</b>

**FUNCTIONAL TRAITS** **FIT 118** 77%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>110</b>	<b>122</b>	<b>92</b>	<b>124</b>	<b>102</b>	<b>112</b>	<b>102</b>	<b>102</b>	<b>127</b>

# Whitelake

HB No. 10/869023  
LOM DE 09 54727905  
Born 05.10.2019

**WEISSENSEE** — WABAN  
— LUXA  
**CORA** — HURLY — SAFIR  
— CORA  
4/2 9221 3,94 364 3,60 332  
7/7 9741 4,01 390 3,42 333

**Dual purpose** **Fitness** **Udder**



A2A2

AB

genomic

**TOTAL MERIT INDEX** (Proof: August 2022) **TMI 131** 77%

**MILK INDEX** **MI 117** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
<b>+761</b>	-0,08	<b>+24</b>	-0,05	<b>+23</b>

**BEEF PERFORMANCE** **BI 108** 77%

Daily net gain	Carcass percentage	Carcass grade
<b>112</b>	<b>104</b>	<b>104</b>

**FUNCTIONAL TRAITS** **FIT 120** 82%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
<b>105</b>	<b>121</b>	<b>112</b>	<b>113</b>	<b>109</b>	<b>106</b>	<b>109</b>	<b>105</b>	<b>126</b>



Cora, dam of Whitelake, 3rd lac.

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>101</b>								
<b>Muscling</b>	<b>106</b>								
<b>Feet &amp; Legs</b>	<b>107</b>								
<b>Udder</b>	<b>121</b>								
Height at cross	101	small							large
Body length	107	short							long
Rump width	103	narrow							wide
Body depth	97	shallow							deep
Rump angle	100	ascending							sloped
Hock angularity	96	straight							sickled
Hock develop.	97	swollen							dry
Pasterns	104	weak							strong
Foot angle	109	low angles							steep angles
Fore udder length	94	short							long
Rear udder length	97	short							long
Fore udder att.	115	loose							tight
Susp. ligament	100	weak							strong
Udder depth	120	deep							high
Teat length	99	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	108	wide							close
Teat placem. (rear)	100	wide							close
Teat direction (rear)	113	outwards							inwards
Udder cleanness	105	add. teats							clean udder

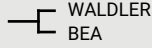
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
<b>Frame</b>	<b>109</b>								
<b>Muscling</b>	<b>105</b>								
<b>Feet &amp; Legs</b>	<b>105</b>								
<b>Udder</b>	<b>121</b>								
Height at cross	108	small							large
Body length	108	short							long
Rump width	107	narrow							wide
Body depth	107	shallow							deep
Rump angle	110	ascending							sloped
Hock angularity	112	straight							sickled
Hock develop.	111	swollen							dry
Pasterns	97	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	107	short							long
Rear udder length	104	short							long
Fore udder att.	112	loose							tight
Susp. ligament	105	weak							strong
Udder depth	109	deep							high
Teat length	94	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	113	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	110	outwards							inwards
Udder cleanness	104	add. teats							clean udder

# Wintersee

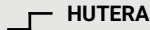
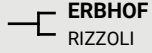
HB No. 10/854998  
LOM DE 09 55529817  
Born 01.08.2020

**WINTERSTAR**



**ROCKSTA**

1/1 7826 4,06 318 3,49 273



**Fitness**

**Udder**

**Dual purpose**



A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 131** 75%

MILK INDEX

**MI 113** 85%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+549 -0,07 +17 -0,02 +18**

BEEF PERFORMANCE

**BI 109** 75%

Daily net gain Carcass percentage Carcass grade

**105 109 106**

FUNCTIONAL TRAITS

**FIT 125** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
114	110	117	125	101	108	117	98	134



## LINEAR DESCRIPTION

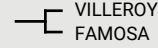
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	103								
Muscling	105								
Feet & Legs	108								
Udder	128								
Height at cross	105	small							large
Body length	102	short							long
Rump width	102	narrow							wide
Body depth	94	shallow							deep
Rump angle	93	ascending							sloped
Hock angularity	84	straight							sickled
Hock develop.	104	swollen							dry
Pasterns	106	weak							strong
Foot angle	109	low angles							steep angles
Fore udder length	100	short							long
Rear udder length	87	short							long
Fore udder att.	118	loose							tight
Susp. ligament	105	weak							strong
Udder depth	128	deep							high
Teat length	95	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	107	wide							close
Teat placem. (rear)	110	wide							close
Teat direction (rear)	122	outwards							inwards
Udder cleanness	99	add. teats							clean udder

# Veyron

HB No. 10/866103  
LOM DE 09 56446399  
Born 27.12.2020

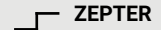
aAa 435261

**VIRGINIA**



**FARBE**

1/1 8405 4,63 389 3,76 316



**Components**

**Longevity**

**Udder**



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 130** 73%

MILK INDEX

**MI 129** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+901 +0,10 +47 +0,04 +35**

BEEF PERFORMANCE

**BI 97** 71%

Daily net gain Carcass percentage Carcass grade

**95 100 98**

FUNCTIONAL TRAITS

**FIT 112** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	111	98	113	106	105	104	106	131



## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	109								
Muscling	100								
Feet & Legs	110								
Udder	120								
Height at cross	111	small							large
Body length	109	short							long
Rump width	107	narrow							wide
Body depth	106	shallow							deep
Rump angle	95	ascending							sloped
Hock angularity	96	straight							sickled
Hock develop.	98	swollen							dry
Pasterns	104	weak							strong
Foot angle	113	low angles							steep angles
Fore udder length	108	short							long
Rear udder length	105	short							long
Fore udder att.	110	loose							tight
Susp. ligament	114	weak							strong
Udder depth	114	deep							high
Teat length	105	short							long
Teat thickness	98	thin							thick
Teat placem. (front)	115	wide							close
Teat placem. (rear)	115	wide							close
Teat direction (rear)	122	outwards							inwards
Udder cleanness	106	add. teats							clean udder

# Makani PP\*

HB No. 10/881686  
LOM DE 09 56352585  
Born 19.02.2021

aAa 516342

**MERCEDES Pp\*** — MINOR  
PIGAS PP\*  
**PIPPA** — VOTARY P\*S — WAL  
5/4 10760 3,91 421 3,56 383  
6/6 9544 4,28 409 3,59 342

**Fat-% Udder health Udder**



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 130** 73%

MILK INDEX **MI 128** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+891	+0,11	+47	+0,02	+33

BEEF PERFORMANCE **BI 90** 76%

Daily net gain	Carcass percentage	Carcass grade
99	83	98

FUNCTIONAL TRAITS **FIT 117** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
98	118	91	115	116	104	110	110	122

# Himmel

HB No. 10/854743  
LOM DE 09 55063399  
Born 27.09.2019

**HURLY** — HULKOR  
AFRA  
**DAIRYQU** — GS WERTVOLL — PAZIFIK  
2/2 11283 3,47 391 3,37 380  
4/4 7928 3,87 307 3,52 279

**Udder Milk Udder health**



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022) **TMI 130** 79%

MILK INDEX **MI 126** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1327	-0,23	+33	-0,09	+39

BEEF PERFORMANCE **BI 95** 77%

Daily net gain	Carcass percentage	Carcass grade
107	93	93

FUNCTIONAL TRAITS **FIT 111** 83%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
103	112	95	116	97	112	95	115	124



Dairyqueen, dam of Himmel

LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	98				█				large
Muscling	96			█	█				long
Feet & Legs	108			█	█				wide
Udder	121			█	█				deep
Height at cross	97	small			█				large
Body length	99	short			█				long
Rump width	102	narrow			█				wide
Body depth	103	shallow			█				deep
Rump angle	96	ascending			█				sloped
Hock angularity	107	straight		█	█				sickled
Hock develop.	106	swollen			█				dry
Pasterns	102	weak			█				strong
Foot angle	97	low angles			█				steep angles
Fore udder length	104	short			█				long
Rear udder length	114	short			█				long
Fore udder att.	114	loose			█				tight
Susp. ligament	104	weak			█				strong
Udder depth	107	deep			█				high
Teat length	101	short			█				long
Teat thickness	92	thin		█	█				thick
Teat placem. (front)	120	wide			█				close
Teat placem. (rear)	109	wide			█				close
Teat direction (rear)	119	outwards			█				inwards
Udder cleanness	102	add. teats			█				clean udder

LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	112				█				long
Muscling	100			█	█				long
Feet & Legs	108			█	█				wide
Udder	134			█	█				deep
Height at cross	113	small			█				large
Body length	109	short			█				long
Rump width	105	narrow			█				wide
Body depth	112	shallow			█				deep
Rump angle	92	ascending			█				sloped
Hock angularity	98	straight		█	█				sickled
Hock develop.	100	swollen			█				dry
Pasterns	105	weak			█				strong
Foot angle	105	low angles			█				steep angles
Fore udder length	117	short			█				long
Rear udder length	110	short			█				long
Fore udder att.	122	loose			█				tight
Susp. ligament	105	weak			█				strong
Udder depth	114	deep			█				high
Teat length	96	short			█				long
Teat thickness	90	thin		█	█				thick
Teat placem. (front)	126	wide			█				close
Teat placem. (rear)	109	wide			█				close
Teat direction (rear)	116	outwards			█				inwards
Udder cleanness	108	add. teats			█				clean udder



# Visa Pp\*

HB No. 10/866102  
LOM DE 09 56569335  
Born 03.01.2021

VIDI Pp\*

VOTARY P\*S  
WIRANGA Pp\*

SCHIXI

1/1 10466 4,35 455 3,72 389

IMPERATIV  
SCHECKE

EVERGREEN

3/3 10156 4,46 453 3,71 377

Components

Muscling

Fertility



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 130** 73%

MILK INDEX

**MI 125** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+687 +0,13 +40 +0,06 +30**

BEEF PERFORMANCE

**BI 105** 74%

Daily net gain Carcass percentage Carcass grade

**111 98 105**

FUNCTIONAL TRAITS

**FIT 113** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
105	103	96	110	105	102	118	103	122

# Zenum PS

HB No. 10/881777  
LOM DE 09 56815603  
Born 18.03.2021

ZEIGER

ZAZU  
LAMERA

ARMANI Pp\*

2/2 10333 3,60 373 3,64 376

MAXIMUM Pp\*  
ALMI

4/4 9646 4,29 414 3,92 378

GARIBALDI P\*S

Dual purpose

Fitness

Fertility



A1A1

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 130** 73%

MILK INDEX

**MI 118** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+809 -0,09 +26 -0,05 +24**

BEEF PERFORMANCE

**BI 110** 72%

Daily net gain Carcass percentage Carcass grade

**108 113 100**

FUNCTIONAL TRAITS

**FIT 117** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
110	110	104	109	112	109	114	106	129

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	109								
Muscling	114								
Feet & Legs	102								
Udder	105								
Height at cross	109	small							large
Body length	110	short							long
Rump width	108	narrow							wide
Body depth	110	shallow							deep
Rump angle	117	ascending							sloped
Hock angularity	102	straight							sickled
Hock develop.	95	swollen							dry
Pasterns	104	weak							strong
Foot angle	107	low angles							steep angles
Fore udder length	111	short							long
Rear udder length	102	short							long
Fore udder att.	114	loose							tight
Susp. ligament	100	weak							strong
Udder depth	101	deep							high
Teat length	113	short							long
Teat thickness	104	thin							thick
Teat placem. (front)	102	wide							close
Teat placem. (rear)	90	wide							close
Teat direction (rear)	88	outwards							inwards
Udder cleanness	95	add. teats							clean udder

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	107								
Muscling	98								
Feet & Legs	103								
Udder	108								
Height at cross	107	small							large
Body length	106	short							long
Rump width	109	narrow							wide
Body depth	104	shallow							deep
Rump angle	112	ascending							sloped
Hock angularity	99	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	96	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	95	short							long
Rear udder length	102	short							long
Fore udder att.	95	loose							tight
Susp. ligament	112	weak							strong
Udder depth	110	deep							high
Teat length	107	short							long
Teat thickness	93	thin							thick
Teat placem. (front)	112	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	101	outwards							inwards
Udder cleanness	103	add. teats							clean udder

# Silvio

HB No. 10/427148  
LOM DE 09 56373473  
Born 11.05.2021

**SIDO** — SYSTEM LEXI  
**EMILIA** — HERZPOCHEN — MANIGO  
100 T. 3001 4,70 141 3,33 100  
2/2 8521 4,53 386 3,93 335

**Frame** **Udder** **Dual purpose**



A1A2

AB

genomic

**TOTAL MERIT INDEX** (Proof: August 2022) **TMI 130** 72%

**MILK INDEX** **MI 117** 82%  
milk-kg fat-% fat-kg prot.-% prot.-kg  
**+645** **+0,06** **+33** **-0,05** **+18**

**BEEF PERFORMANCE** **BI 110** 71%  
Daily net gain Carcass percentage Carcass grade  
**120** **107** **101**

**FUNCTIONAL TRAITS** **FIT 117** 77%  
MS UH Pers PL Calving ease CEm Fert VIT ETMI  
**107** **123** **96** **115** **105** **105** **108** **100** **125**



Emilia, dam of Silvio

LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	113								
Muscling	101								
Feet & Legs	110								
Udder	119								
Height at cross	115	small							large
Body length	112	short							long
Rump width	105	narrow							wide
Body depth	109	shallow							deep
Rump angle	101	ascending							sloped
Hock angularity	112	straight							sickled
Hock develop.	108	swollen							dry
Pasterns	104	weak							strong
Foot angle	109	low angles							steep angles
Fore udder length	111	short							long
Rear udder length	100	short							long
Fore udder att.	118	loose							tight
Susp. ligament	96	weak							strong
Udder depth	117	deep							high
Teat length	114	short							long
Teat thickness	114	thin							thick
Teat placem. (front)	103	wide							close
Teat placem. (rear)	98	wide							close
Teat direction (rear)	107	outwards							inwards
Udder cleanness	97	add. teats							clean udder

# Hochstand

HB No. 10/863185  
LOM DE 09 56168358  
Born 26.12.2020

**HOCHHINAUS** — HUGOBOSS NALE  
**ELIS** — WALKMAN — HERZOGSTAN  
2/1 9136 4,07 372 3,79 346  
4/3 11536 3,71 428 3,48 401

**Components** **Fitness** **Udder**



A1A2

AB

genomic

**TOTAL MERIT INDEX** (Proof: August 2022) **TMI 129** 73%

**MILK INDEX** **MI 125** 84%  
milk-kg fat-% fat-kg prot.-% prot.-kg  
**+710** **+0,09** **+38** **+0,10** **+34**

**BEEF PERFORMANCE** **BI 97** 75%  
Daily net gain Carcass percentage Carcass grade  
**89** **102** **98**

**FUNCTIONAL TRAITS** **FIT 113** 77%  
MS UH Pers PL Calving ease CEm Fert VIT ETMI  
**111** **101** **107** **126** **107** **102** **101** **104** **128**



LINEAR DESCRIPTION		Tendency	76	88	100	112	124	136	Tendency
Frame	101								
Muscling	107								
Feet & Legs	101								
Udder	121								
Height at cross	103	small							large
Body length	98	short							long
Rump width	99	narrow							wide
Body depth	102	shallow							deep
Rump angle	116	ascending							sloped
Hock angularity	103	straight							sickled
Hock develop.	107	swollen							dry
Pasterns	98	weak							strong
Foot angle	99	low angles							steep angles
Fore udder length	113	short							long
Rear udder length	104	short							long
Fore udder att.	103	loose							tight
Susp. ligament	104	weak							strong
Udder depth	111	deep							high
Teat length	94	short							long
Teat thickness	96	thin							thick
Teat placem. (front)	105	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	116	outwards							inwards
Udder cleanness	104	add. teats							clean udder

# Iq P\*S

HB No. 10/881194  
LOM DE 09 55847392  
Born 07.02.2020

aAa 426351

## IRREGUT P\*S

— IROKESSE P\*S  
— KIPFE

## EPOCHE

4/3 10922 4,61 503 3,74 408

— HARIBO  
— EVITA

7/6 8922 4,46 398 3,63 324

— GS RAU

### Dual purpose

### Longevity

### Type



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 129** 78%

### MILK INDEX

**MI 123** 86%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1070** **-0,12** **+34** **-0,06** **+33**

### BEEF PERFORMANCE

**BI 108** 79%

Daily net gain Carcass percentage Carcass grade

**115** **108** **98**

### FUNCTIONAL TRAITS

**FIT 106** 81%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
112	111	102	116	107	102	92	98	126



Epoche, dam of Iq P\*S, 3rd lac.

### LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	111								
Muscling	119								
Feet & Legs	105								
Udder	121								
Height at cross	110	small							large
Body length	113	short							long
Rump width	111	narrow							wide
Body depth	109	shallow							deep
Rump angle	107	ascending							sloped
Hock angularity	106	straight							sickled
Hock develop.	94	swollen							dry
Pasterns	102	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	107	short							long
Rear udder length	92	short							long
Fore udder att.	118	loose							tight
Susp. ligament	95	weak							strong
Udder depth	121	deep							high
Teat length	106	short							long
Teat thickness	95	thin							thick
Teat placem. (front)	102	wide							close
Teat placem. (rear)	94	wide							close
Teat direction (rear)	99	outwards							inwards
Udder cleanness	104	add. teats							clean udder

# Hazaro

HB No. 10/866091  
LOM DE 09 55757918  
Born 31.07.2020

## HAZARD

— HERZSCHLAG  
— SINA

## HANNA

— ERBHOF  
— HANNI

— RALDI

4/3 10101 3,73 376 3,31 335

### Udder

### Milk

### Calving ease



A1A2

BB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 129** 74%

### MILK INDEX

**MI 122** 84%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+840** **-0,04** **+32** **+0,00** **+30**

### BEEF PERFORMANCE

**BI 97** 75%

Daily net gain Carcass percentage Carcass grade

**101** **97** **97**

### FUNCTIONAL TRAITS

**FIT 114** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
107	108	108	124	121	110	94	113	130

### LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	99								
Muscling	102								
Feet & Legs	111								
Udder	119								
Height at cross	100	small							large
Body length	102	short							long
Rump width	93	narrow							wide
Body depth	102	shallow							deep
Rump angle	93	ascending							sloped
Hock angularity	92	straight							sickled
Hock develop.	100	swollen							dry
Pasterns	109	weak							strong
Foot angle	107	low angles							steep angles
Fore udder length	110	short							long
Rear udder length	103	short							long
Fore udder att.	115	loose							tight
Susp. ligament	96	weak							strong
Udder depth	107	deep							high
Teat length	96	short							long
Teat thickness	90	thin							thick
Teat placem. (front)	98	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	105	add. teats							clean udder

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



# Hauk

HB No. 10/854653  
LOM DE 09 54200963  
Born 16.05.2019

HERZPOCHEN

HERZSCHLAG  
BANDITA

ISA

5/4 9041 4,55 412 3,59 324

MANIGO  
IRIS

5/5 8710 4,13 359 3,52 307

GS RAU

# Euclid PP\*

HB No. 10/427152  
LOM DE 08 17982646  
Born 17.06.2021

EVIDENT Pp\*

ETOSCHA  
INGA P

JELENA Pp\*

2/2 8372 4,01 336 3,66 306

MANOLO P  
JENNY

9/9 8614 4,38 377 3,53 304

VANSTEIN

Dual purpose

Type

Fitness



A1A1

AA

genomic

Dual purpose

Fertility

Teat length



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 129** 79%

MILK INDEX

**MI 117** 87%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+665** **-0,03** **+25** **-0,01** **+23**

BEEF PERFORMANCE

**BI 107** 78%

Daily net gain Carcass percentage Carcass grade

**111** **102** **106**

FUNCTIONAL TRAITS

**FIT 116** 83%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
108	117	101	116	100	107	105	107	126

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 129** 73%

MILK INDEX

**MI 117** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+790** **-0,11** **+23** **-0,04** **+25**

BEEF PERFORMANCE

**BI 119** 71%

Daily net gain Carcass percentage Carcass grade

**118** **117** **109**

FUNCTIONAL TRAITS

**FIT 112** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
104	98	101	115	101	105	114	101	124



Jelena, dam of Euclid PP

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	106								
Muscling	119								
Feet & Legs	115								
Udder	108								
Height at cross	106	small							large
Body length	108	short							long
Rump width	107	narrow							wide
Body depth	105	shallow							deep
Rump angle	102	ascending							sloped
Hock angularity	95	straight							sickled
Hock develop.	91	swollen							dry
Pasterns	113	weak							strong
Foot angle	109	low angles							steep angles
Fore udder length	106	short							long
Rear udder length	98	short							long
Fore udder att.	110	loose							tight
Susp. ligament	92	weak							strong
Udder depth	107	deep							high
Teat length	112	short							long
Teat thickness	97	thin							thick
Teat placem. (front)	96	wide							close
Teat placem. (rear)	99	wide							close
Teat direction (rear)	105	outwards							inwards
Udder cleanness	102	add. teats							clean udder

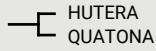
## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	106								
Muscling	103								
Feet & Legs	105								
Udder	109								
Height at cross	107	small							large
Body length	109	short							long
Rump width	100	narrow							wide
Body depth	103	shallow							deep
Rump angle	106	ascending							sloped
Hock angularity	100	straight							sickled
Hock develop.	104	swollen							dry
Pasterns	98	weak							strong
Foot angle	107	low angles							steep angles
Fore udder length	103	short							long
Rear udder length	103	short							long
Fore udder att.	107	loose							tight
Susp. ligament	102	weak							strong
Udder depth	105	deep							high
Teat length	115	short							long
Teat thickness	108	thin							thick
Teat placem. (front)	103	wide							close
Teat placem. (rear)	110	wide							close
Teat direction (rear)	117	outwards							inwards
Udder cleanness	99	add. teats							clean udder

# Holowitz

HB No. 10/866044  
LOM DE 09 53953551  
Born 24.04.2019

**HOLLYWOOD**



**WOBBLER**



**GOBI**

2/2 9126 4,70 429 3,59 328

**GOLDI**

4/4 9472 4,58 434 3,91 370

**Milk**

**Beef**

**Milking speed**



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 128** 78%

MILK INDEX

**MI 124** 86%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1121** **-0,09** **+38** **-0,10** **+31**

BEEF PERFORMANCE

**BI 117** 78%

Daily net gain Carcass percentage Carcass grade

**111** **114** **112**

FUNCTIONAL TRAITS

**FIT 101** 82%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
120	104	103	101	98	112	95	98	123



## LINEAR DESCRIPTION

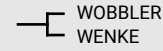
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	111								
Muscling	94								
Feet & Legs	109								
Udder	110								
Height at cross	115	small							large
Body length	109	short							long
Rump width	106	narrow							wide
Body depth	103	shallow							deep
Rump angle	119	ascending							sloped
Hock angularity	111	straight							sickled
Hock develop.	106	swollen							dry
Pasterns	104	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	118	short							long
Rear udder length	97	short							long
Fore udder att.	95	loose							tight
Susp. ligament	102	weak							strong
Udder depth	103	deep							high
Teat length	83	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	104	wide							close
Teat placem. (rear)	103	wide							close
Teat direction (rear)	106	outwards							inwards
Udder cleanness	102	add. teats							clean udder

# Wingert PP\*

HB No. 10/869456  
LOM DE 09 55968330  
Born 21.03.2021

aAa 426351

**WAKONGO Pp\***



**VOLLGAS P\*S**



**DOREEN Pp\***

4/3 6626 4,36 289 3,61 239

**DANIELA**

1/1 7134 4,29 306 3,63 259

**Alt. bloodline**

**Prot-%**

**Fitness**



A1A1

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 128** 73%

MILK INDEX

**MI 121** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+800** **-0,09** **+25** **+0,04** **+32**

BEEF PERFORMANCE

**BI 94** 72%

Daily net gain Carcass percentage Carcass grade

**95** **96** **96**

FUNCTIONAL TRAITS

**FIT 116** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
116	108	108	122	110	106	104	106	127



## LINEAR DESCRIPTION

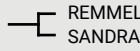
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	96								
Muscling	98								
Feet & Legs	107								
Udder	117								
Height at cross	95	small							large
Body length	95	short							long
Rump width	101	narrow							wide
Body depth	95	shallow							deep
Rump angle	90	ascending							sloped
Hock angularity	98	straight							sickled
Hock develop.	93	swollen							dry
Pasterns	109	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	106	short							long
Rear udder length	105	short							long
Fore udder att.	112	loose							tight
Susp. ligament	102	weak							strong
Udder depth	110	deep							high
Teat length	97	short							long
Teat thickness	98	thin							thick
Teat placem. (front)	102	wide							close
Teat placem. (rear)	103	wide							close
Teat direction (rear)	113	outwards							inwards
Udder cleanness	102	add. teats							clean udder

# Revolution

HB No. 10/863080  
LOM DE 09 55990543  
Born 18.06.2020

aAa 543612

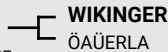
**RAUCH**



REMMEL  
SANDRA

**LAPERLA**

200 T. 5987 3,93 235 3,79 227



WIKINGER  
ÖÄÜERLA

**MINT**

3/3 9876 4,00 395 3,66 361

**Prot-%**

**Outcross**

**Fitness**



A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 128** 74%

MILK INDEX

**MI 120** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+621** **+0,00** **+26** **+0,08** **+29**

BEEF PERFORMANCE

**BI 95** 75%

Daily net gain Carcass percentage Carcass grade

**99** **91** **100**

FUNCTIONAL TRAITS

**FIT 119** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
116	109	110	119	93	109	113	100	127



Laperla, dam of Revolution

## LINEAR DESCRIPTION

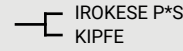
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	111								
Muscling	103								
Feet & Legs	98								
Udder	118								
Height at cross	110	small							large
Body length	111	short							long
Rump width	107	narrow							wide
Body depth	105	shallow							deep
Rump angle	99	ascending							sloped
Hock angularity	108	straight							sickled
Hock develop.	93	swollen							dry
Pasterns	104	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	105	short							long
Rear udder length	96	short							long
Fore udder att.	114	loose							tight
Susp. ligament	113	weak							strong
Udder depth	115	deep							high
Teat length	115	short							long
Teat thickness	112	thin							thick
Teat placem. (front)	110	wide							close
Teat placem. (rear)	113	wide							close
Teat direction (rear)	115	outwards							inwards
Udder cleanness	100	add. teats							clean udder

# Indianer3 P\*S

HB No. 10/871451  
LOM DE 09 56266928  
Born 24.03.2021

aAa 462531

**IRREGUT P\*S**



IROKESSE P\*S  
KIPFE

**BINA**

2/1 7480 4,22 316 3,68 275



HETWIN  
BALLY

**RALDI**

1/1 7540 3,86 291 3,70 279

**Components**

**Milking speed**

**Type**



A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 127** 74%

MILK INDEX

**MI 132** 84%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+743** **+0,22** **+50** **+0,16** **+41**

BEEF PERFORMANCE

**BI 95** 73%

Daily net gain Carcass percentage Carcass grade

**109** **93** **91**

FUNCTIONAL TRAITS

**FIT 101** 79%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
116	101	107	107	100	97	93	104	124



Bina, dam of Indianer3 P\*S

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	114								
Muscling	106								
Feet & Legs	110								
Udder	117								
Height at cross	114	small							large
Body length	115	short							long
Rump width	113	narrow							wide
Body depth	110	shallow							deep
Rump angle	89	ascending							sloped
Hock angularity	101	straight							sickled
Hock develop.	98	swollen							dry
Pasterns	105	weak							strong
Foot angle	110	low angles							steep angles
Fore udder length	104	short							long
Rear udder length	95	short							long
Fore udder att.	119	loose							tight
Susp. ligament	92	weak							strong
Udder depth	120	deep							high
Teat length	91	short							long
Teat thickness	96	thin							thick
Teat placem. (front)	97	wide							close
Teat placem. (rear)	97	wide							close
Teat direction (rear)	105	outwards							inwards
Udder cleanness	109	add. teats							clean udder



# Edelsee

HB No. 10/854911  
LOM DE 09 55223742  
Born 08.04.2020

EDELSTEIN

ETOSCHA  
646

LANICA

3/2 12266 4,68 574 3,31 406

HERZSCHLAG REUMUT  
LARA 6/6 9946 4,54 451 3,53 351

Udder

Dual purpose

Milking speed



A1A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 126** 77%

MILK INDEX

**MI 120** 86%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+908** **-0,03** **+35** **-0,09** **+24**

BEEF PERFORMANCE

**BI 107** 77%

Daily net gain Carcass percentage Carcass grade

**113** **104** **101**

FUNCTIONAL TRAITS

**FIT 107** 80%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
111	103	101	111	93	110	101	100	124



Lanica, dam of Edelsee, 3rd lac.

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	103								
Muscling	96								
Feet & Legs	105								
Udder	139								
Height at cross	104	small							large
Body length	110	short							long
Rump width	104	narrow							wide
Body depth	97	shallow							deep
Rump angle	98	ascending							sloped
Hock angularity	86	straight							sickled
Hock develop.	97	swollen							dry
Pasterns	104	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	113	short							long
Rear udder length	95	short							long
Fore udder att.	124	loose							tight
Susp. ligament	108	weak							strong
Udder depth	124	deep							high
Teat length	87	short							long
Teat thickness	88	thin							thick
Teat placem. (front)	126	wide							close
Teat placem. (rear)	113	wide							close
Teat direction (rear)	122	outwards							inwards
Udder cleanness	103	add. teats							clean udder

# Memory PP\*

HB No. 10/174081  
LOM DE 09 55365548  
Born 11.11.2019

aAa 426351

MAJESTAET PP\*

MAHANGO Pp\*  
NICOL Pp\*

GLEMAN Pp\*

1/1 8243 4,22 348 3,53 291

MANOLO Pp\* WILLE  
GLEWI 7/7 9727 3,98 387 3,59 349

Milk

Calving ease

Type



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 126** 77%

MILK INDEX

**MI 119** 86%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+985** **-0,08** **+34** **-0,14** **+22**

BEEF PERFORMANCE

**BI 105** 77%

Daily net gain Carcass percentage Carcass grade

**110** **100** **103**

FUNCTIONAL TRAITS

**FIT 109** 81%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
113	98	104	117	116	112	103	103	124



Gleman Pp, dam of Memory PP

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	108								
Muscling	103								
Feet & Legs	114								
Udder	110								
Height at cross	108	small							large
Body length	107	short							long
Rump width	105	narrow							wide
Body depth	102	shallow							deep
Rump angle	117	ascending							sloped
Hock angularity	100	straight							sickled
Hock develop.	106	swollen							dry
Pasterns	111	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	103	short							long
Rear udder length	106	short							long
Fore udder att.	107	loose							tight
Susp. ligament	98	weak							strong
Udder depth	110	deep							high
Teat length	97	short							long
Teat thickness	89	thin							thick
Teat placem. (front)	87	wide							close
Teat placem. (rear)	99	wide							close
Teat direction (rear)	101	outwards							inwards
Udder cleanness	104	add. teats							clean udder

# Mercado PP\*

HB No. 10/606742  
LOM AT 48 4470 969  
Born 12.06.2020

aAa 4329651

**MAI P\*S**

— [ MANOLO Pp\*  
IREEN Pp\*

**ROSAL Pp\***

2/1 7572 4,32 327 3,61 273

— [ **GS WALCH** — [ **SKORPION Pp\***  
ROSMARIE PP\* 200 T. 5217 4,10 214 3,43 179

**Dual purpose**

**Type**

**Longevity**



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 125** 74%

MILK INDEX

**MI 117** 84%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+1083 -0,28 +20 -0,12 +28**

BEEF PERFORMANCE

**BI 119** 75%

Daily net gain Carcass percentage Carcass grade

**115 119 109**

FUNCTIONAL TRAITS

**FIT 104** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
104	108	93	113	106	103	91	107	124



Rosal, dam of Mercado PP

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	116								
Muscling	111								
Feet & Legs	112								
Udder	120								
Height at cross	120	small							large
Body length	111	short							long
Rump width	109	narrow							wide
Body depth	115	shallow							deep
Rump angle	105	ascending							sloped
Hock angularity	99	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	114	weak							strong
Foot angle	112	low angles							steep angles
Fore udder length	109	short							long
Rear udder length	99	short							long
Fore udder att.	110	loose							tight
Susp. ligament	107	weak							strong
Udder depth	113	deep							high
Teat length	98	short							long
Teat thickness	99	thin							thick
Teat placem. (front)	100	wide							close
Teat placem. (rear)	110	wide							close
Teat direction (rear)	115	outwards							inwards
Udder cleanness	100	add. teats							clean udder

# Video P\*S

HB No. 10/855135  
LOM DE 09 54017249  
Born 10.01.2021

**VIDI Pp\***

— [ VOTARY P\*S  
WIRANGA Pp\*

**SUNNY**

2/1 9338 3,83 358 3,63 339

— [ **VOLLENDET** — [ **EVEREST**  
SUNSHIN 3/2 10950 4,17 457 3,64 399

**Type**

**Fitness**

**Prot-%**



A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 125** 73%

MILK INDEX

**MI 117** 83%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+652 -0,06 +22 +0,03 +26**

BEEF PERFORMANCE

**BI 101** 73%

Daily net gain Carcass percentage Carcass grade

**104 99 100**

FUNCTIONAL TRAITS

**FIT 116** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
104	114	89	113	109	104	114	108	120



Sunny, dam of Video P\*S, 2nd lact.

## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	116								
Muscling	116								
Feet & Legs	106								
Udder	125								
Height at cross	117	small							large
Body length	114	short							long
Rump width	110	narrow							wide
Body depth	115	shallow							deep
Rump angle	110	ascending							sloped
Hock angularity	100	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	106	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	102	short							long
Rear udder length	104	short							long
Fore udder att.	113	loose							tight
Susp. ligament	114	weak							strong
Udder depth	115	deep							high
Teat length	95	short							long
Teat thickness	95	thin							thick
Teat placem. (front)	120	wide							close
Teat placem. (rear)	116	wide							close
Teat direction (rear)	112	outwards							inwards
Udder cleanness	101	add. teats							clean udder

# Heartland PP\*

HB No. 10/861000  
LOM DE 09 55651701  
Born 30.06.2020

aAa 543621

HEARTBEAT P\*S

HERZSCHLAG  
LORE

TORONTO

4/3 8978 4,12 370 3,72 334

VOLLGAS P\*S MANTON  
TIFFANY  
4/4 9665 3,73 361 3,44 332

Prot-%

Udder

Beef



A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 124** 73%

MILK INDEX

**MI 119** 82%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+627 +0,01 +27 +0,04 +26**

BEEF PERFORMANCE

**BI 113** 73%

Daily net gain Carcass percentage Carcass grade

**114 114 103**

FUNCTIONAL TRAITS

**FIT 104** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
109	99	101	107	114	106	102	102	123



## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	105								
Muscling	99								
Feet & Legs	100								
Udder	118								
Height at cross	110	small							large
Body length	104	short							long
Rump width	101	narrow							wide
Body depth	93	shallow							deep
Rump angle	99	ascending							sloped
Hock angularity	101	straight							sickled
Hock develop.	102	swollen							dry
Pasterns	99	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	114	short							long
Rear udder length	100	short							long
Fore udder att.	114	loose							tight
Susp. ligament	100	weak							strong
Udder depth	121	deep							high
Teat length	95	short							long
Teat thickness	93	thin							thick
Teat placem. (front)	101	wide							close
Teat placem. (rear)	99	wide							close
Teat direction (rear)	113	outwards							inwards
Udder cleanness	100	add. teats							clean udder

# Medici PP\*

HB No. 10/427142  
LOM DE 08 17642668  
Born 14.04.2021

MYSTERIUM Pp\*

MANOLO Pp\*  
LAURA

ANGELIKA Pp\*

1/1 8972 3,97 356 3,39 304

VOTARY P\*S HERZSCHLAG  
ANDREA  
2/2 8254 4,10 339 3,33 275

Milk

Type

Fertility



A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2022)

**TMI 122** 74%

MILK INDEX

**MI 118** 84%

milk-kg fat-% fat-kg prot.-% prot.-kg

**+911 -0,06 +32 -0,13 +21**

BEEF PERFORMANCE

**BI 95** 74%

Daily net gain Carcass percentage Carcass grade

**112 86 98**

FUNCTIONAL TRAITS

**FIT 111** 78%

MS	UH	Pers	PL	Calving ease CEp	CEm	Fert	VIT	ETMI
112	104	94	114	98	106	112	97	118



## LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	113								
Muscling	122								
Feet & Legs	113								
Udder	111								
Height at cross	111	small							large
Body length	112	short							long
Rump width	117	narrow							wide
Body depth	117	shallow							deep
Rump angle	101	ascending							sloped
Hock angularity	94	straight							sickled
Hock develop.	92	swollen							dry
Pasterns	115	weak							strong
Foot angle	112	low angles							steep angles
Fore udder length	100	short							long
Rear udder length	114	short							long
Fore udder att.	103	loose							tight
Susp. ligament	105	weak							strong
Udder depth	99	deep							high
Teat length	99	short							long
Teat thickness	98	thin							thick
Teat placem. (front)	112	wide							close
Teat placem. (rear)	111	wide							close
Teat direction (rear)	105	outwards							inwards
Udder cleanness	100	add. teats							clean udder



# Zeichenerklärung



**Name; P, Pp, PP, PS: Hornstatus**  
**HB No.: Herdbuchnummer; LOM: Lebensohrmarkennummer; Born: Geburtsdatum**  
**aAa: aAa Code; GF: Genetische Besonderheiten (FH2, FH5, BH2);**  
**Pigm: Prozentsatz der Nachkommen, die auf einer oder beiden Seiten des Kopfes Augenflecken aufweisen**  
**A2A2, A1A2, A2A2: Beta Kasein; AA, AB, BB: Kappa Kasein**

**TMI = Gesamtzuchtwert:** fasst die verschiedenen Teilzuchtwerte zu einem Gesamtindex zusammen, Sicherheit (Si) in %.

**MI = Milchwert:** Milchleistung: +788 -0.18 +24 +0.01 +27 MW 119 90% bedeutet: Zuchtwerte für Milchmenge, Fett-%, Fett-kg, Eiweiß-%, Eiweiß-kg. Der Milchwert ist ein Index, in dem Milch-, Fett- und Eiweiß-kg mit einer ökonomischen Gewichtung von 0:1:1,4 zusammengefasst sind; Sicherheit in %.

**D/H:** Anzahl Töchter in Anzahl Herden.

**BI = Fleischwert:** Fleischleistung: 116 104 110 FW 118 86% bedeutet: Relativzuchtwerte für Nettozunahme, Ausschachtung und Handelsklasse. Der Fleischwert fasst die drei Teilzuchtwerte zu einem Index zusammen; Si. in %.

**FIT:** fasst die einzelnen Teilzuchtwerte Nutzungsdauer, Zellzahl, Fruchtbarkeit, Totgeburten, Kalbeverlauf, Melkbarkeit und Persistenz zu einem Fitness-Index zusammen; Si. in %

**MS = Melkbarkeit:** Relativzuchtwert für Melkbarkeit.

**UH = Eutergesundheit:** Relativzuchtwert Eutergesundheit.

**Pers = Persistenz:** Relativzuchtwert für das Durchhaltevermögen innerhalb der Laktation.

**PL = Nutzungsdauer:** Relativzuchtwert für Nutzungsdauer.

**Calving ease = Abkalbedaten:** Relativzuchtwerte für paternale (pat) und maternale Effekte (mat) auf Kalbeverlauf (C) und Totgeburtenrate (M).

**Fert = Fruchtbarkeit:** Relativzuchtwerte für maternale (m) Fruchtbarkeit.

**VIT: Der Vitalitätswert (VIT)** setzt sich aus der (paternalen) Totgeburtenrate und den Aufzuchtverlusten zusammen; Si. in %.

**ETMI = Ökologischer Gesamtzuchtwert (ÖZW)** ist ein Gesamtzuchtwert, in dem Fitness und Exterieur in besonderer Weise gewichtet werden.

EXTERIEURZUCHTWERTE:		47 Töchter						
Merkmal	ZW	Tendenz	76	88	100	112	124	Tendenz
<b>Rahmen</b>	<b>119</b>							
<b>Bemuskelung</b>	<b>102</b>							
<b>Fundament</b>	<b>113</b>							
<b>Euter</b>	<b>120</b>							
Kreuzhöhe	121	klein						groß
Körperlänge	115	kurz						lang
Hüftbreite	102	schmal						breit
Rumpftiefe	116	seicht						tief
Beckenneigung	110	eben						abfallend
Sprg.winkel	95	steil						säbelbeinig
Sprg.auspräg.	93	voll						trocken
Fessel	118	durchtrittig						steil
Trachten	113	niedrig						hoch
Voreuterlänge	115	kurz						lang
Sch.euterlänge	107	kurz						lang
Voreuteraufhäng.	112	locker						fest
Zentralband	90	nicht ausg.						stark ausg.
Euterboden	108	tief						hoch
Strichlänge	95	kurz						lang
Strichdicke	113	dünn						dick
Strichplatz. vo.	110	außen						innen
Strichplatz. hi.	98	außen						innen
Strichstell. hi.	104	nach außen						nach innen
Euterreinheit	102	Nebenstr.						reine Euter

# Explication de signes



**Nom; P, Pp, PP, PS: sans cornes**  
**HB No.: numéro de herdbook; LOM: numéro d'oreille; Born: date de naissance**  
**aAa: code aAa; GF: tares héréditaires (FH2, FH5, BH2);**  
**Pigm: Pourcentage d'animaux qui ont des taches autour des yeux sur l'un ou les deux côtés de la tête**  
**A2A2, A1A2, A2A2: Beta Caséine; AA, AB, BB: Kappa Caséine**

**TMI:** signifie un index total avec les valeurs d'élevages partielles, coefficient de détermination en %.

**MI:** Performance laitière: +788 -0,18 +24 +0,01 +27 MW 119 90% signifie: valeur d'élevage pour quantité laitière,taux butyreux %, matière grasse kg, taux protéique %, matière protéique kg. MW est un index lait combinant quantité laitière, quantité de matière grasse, quantité de matière protéique avec une pondération économique de 0:1:1,4; coefficient de détermination en %.

**D/H:** nombre des filles en nombre des troupeaux.

**BI:** Performance de viande: 116 104 110 FW 118 86% signifie: valeur d'élevage relative pour gain net, abattage rendement et classe marchande (EUROP). FW est un index viande combinant les trois valeurs d'élevages partielles; coefficient de détermination en %.

**FIT:** signifie un index pour fitness combiné les valeurs d'élevages partielles pour longévité, cellules somatiques, fertilité, mortalité, déroulement de vêlages, vitesse de traite et persistance; coefficient de détermination.

**MS = Vitesse de traite:** valeur d'élevage relative pour vitesse de traite.

**UH = Santé mamelle:** valeur d'élevage relative pour la santé mamelle.

**Pers = Persistence:** valeur d'élevage relative pour la persistance durant la lactation.

**PL = longévité:** valeur d'élevage relative pour la durée d'exploitation.

**Calving ease = Vêlages:** valeurs d'élevages relatives pour les effets paternels (pat) naissance et maternels (mat) vêlage pour déroulement de vêlages.

**Fert = Fertilité:** valeurs d'élevages relatives pour la fertilité maternelle (m)

**VIT:** Index vitalité (VIT) se compose des taux de mortalité (paternel) et des pertes d'élevage; coefficient de détermination en %.

**ETMI = Index total écologique,** est un index qui donne plus de poids aux traits de fitness et morphologie.

MORPHOLOGIE:		47 filles						
Caractéristique	Index	tendance	76	88	100	112	124	tendance
<b>Format</b>	<b>119</b>							
<b>Musculature</b>	<b>102</b>							
<b>Membres</b>	<b>113</b>							
<b>Mamelle</b>	<b>120</b>							
Hauteur sacrum	121	petite						grande
Longueur du corps	115	courte						longue
Largeur hanches	102	étroit						large
Profondeur poitrine	116	faible						profond
Inclinaison bassin	110	renversé						incliné
Angle jarret	95	droit						coudé
Épaisseur jarret	93	épais						fin
Pâturons	118	faible						droit
Épaisseur talon	113	faible						épais
Longueur attache avant	115	courte						longue
Longueur attache arr.	107	courte						longue
Attache avant	112	relâchée						forte
Ligament	90	faible						fort
Dist. plancher jarret	108	basse						haute
Longueur trayons	95	courts						longs
Diamètre trayons	113	fins						gros
Placement trayons av.	110	externe						interne
Placement trayons arr	98	externe						interne
Orientation trayons arr.	104	externe						interne
Trayons suppl.	102	nombreux						pure

# Explanation of Symbols



Name; P, Pp, PP, PS: polled status

HB No.: herdbook number; LOM: eartag number; Born: date of birth

aAa: aAa code; GF: genetic features (FH2, FH5, BH2);

Pigm: Percentage of offspring showing pigmentation around their eyes on one or both sides of the head

A2A2, A1A2, A2A2: Beta Casein; AA, AB, BB: Kappa Casein

**TMI = Total merit index:** combines partial breeding values for various traits in one total merit index, reliability (rel.) in %.

**MI = Milk index:** Milk performance: +788 -0,18 +24 +0,01 +27 MW 119 90% means: breeding values for milk quantity, butterfat-%, butterfat-kg, protein-%, protein-kg. MI is an index for milk combining milk-, butterfat- and protein quantity by means of an economic weighting rel. in %.

**D/H:** Number of daughters in number of herds.

**BI = Beef index:** Beef performance: 116 104 110 FW 118 86% means: relative breeding values for net gain, carcass percentage and quality class (EUROP). FW is an index for beef combining the three composites; rel. in %.

**FIT:** combines partial breeding values for productive lifetime, somatic cell count, fertility, stillbirth rate, calving ease, milking speed and persistence in one index for fitness; rel. in %.

**MS = Milking speed:** relative breeding value for milking speed.

**UH = Udder health:** relative breeding value for udder health.

**Pers = Persistency:** relative breeding value for durability during the lactation.

**PL = Productive lifetime:** relative breeding value for productive lifetime.

**Calving ease:** relative breeding values for paternal (pat) and maternal effects (mat) on calving trend.

**Fert = Fertility:** relative breeding values for maternal (m) fertility.

**VIT:** The index VIT (vitality value) is composed of the (paternal) stillbirth rate and the rearing losses; rel. in %

**ETMI = Ecological Total Merit Index,** is an index that focuses on fitness and type traits.

LINEAR DESCRIPTION:							47 daughters				
Trait	Index	Trend	76	88	100	112	124	Trend			
<b>Frame</b>	<b>119</b>										
<b>Muscling</b>	<b>102</b>										
<b>Feet &amp; Legs</b>	<b>113</b>										
<b>Udder</b>	<b>120</b>										
Height at cross	121	small									large
Body length	115	short									long
Rump width	102	narrow									wide
Body depth	116	shallow									deep
Rump angle	110	ascending									sloped
Hock angularity	95	straight									sickled
Hock develop.	93	swollen									dry
Pasterns	118	weak									strong
Foot angle	113	low angles									steep angles
Fore udder length	115	short									long
Rear udder length	107	short									long
Fore udder attachment	112	loose									tight
Susp. ligament	90	weak									strong
Udder depth	108	deep									high
Teat length	95	short									long
Teat thickness	113	thin									thick
Teat placement (front)	110	wide									close
Teat placement (rear)	98	wide									close
Teat direction (rear)	104	outwards									inwards
Udder cleanliness	102	add. teats									clean udder

# Abreviaturas



Nombre; P, Pp, PP, PS: sin cuernos

HBNr.: número de registro; LOM: marca auricular; Born: fecha de nacimiento

aAa: código aAa; GF: peculiaridades genéticas (FH2, FH5, BH2);

Pigm: Porcentaje de crías que muestran pigmentación alrededor de los ojos en uno o ambos lados

A2A2, A1A2, A1A1: genotipo beta caseína; AA, AB, BB: genotipo cappa caseína

**TMI:** valor genético total (se compone de leche, carne y aptitud biológica), fiabilidad en %

**MI:** índice de leche (se compone de proteína kg y grasa kg relativo a su importancia económica), fiabilidad en %, producción de leche: kg de leche, grasa %, grasa kg, proteína %, proteína kg

**D/H:** número de hijas en número de rebaños

**BI:** índice de carne (se compone de engorde neto, rendimiento en canal y clasificación EUROP)

**FIT:** índice para aptitud biológica (se compone de salud de ubre, vitalidad de terneros, fac. de parto, fertilidad, persistencia, longevidad)

**MS = velocidad de ordeño**

**UH = indicador para la salud de la ubre**

**Pers = persistencia**

**PL = vida útil – longevidad**

**Calving ease = facilidad de parto – índice paternal (pat) y maternal (mat)**

**Fert = fertilidad**

**VIT = vitalidad de los terneros**

**ETMI = Valor genético total,** valor genético total ecológico (VGTE), es un valor genético que se concentra en aptitud biológica y tipo

CONFORMACIÓN:							47 Hijas				
Característica	Índice	tendencia	76	88	100	112	124	tendencia			
<b>Tamaño</b>	<b>119</b>										
<b>Musculatura</b>	<b>102</b>										
<b>Patatas y aplomos</b>	<b>113</b>										
<b>Ubre</b>	<b>120</b>										
Altura de la grupa	121	baja									alta
Largo de anca	115	corta									larga
Ancho de cadera	102	estrecha									ancha
Profund. corporal	116	poca									mucha
Angulo de anca	110	ascendiente									inclinado
Inclin. de corvejones	95	estacaonado									angulado
Limp. de corvejones	93	poco definido									bien def.
Menudillo/Espolones	118	bajo									alto
Angulo del talón	113	bajo									alto
Largo ubre anterior	115	corta									larga
Largo ubre post.	107	corta									larga
Inserción ubre ant.	112	débil									firme
Ligamento central	90	débil									fuerte
Profundidad ubre	108	baja									alta
Largo de pezones	95	corto									largo
Ancho de pezones	113	delgado									grueso
Desplaz. pezones ant.	110	exterior									interior
Posición pezones post.	98	exterior									interior
Orientación pezones post.	104	salidos									metidos
Claridad de la ubre	102	tetas adic.									limpia



# German Fleckvieh

Boost the profitability of your herd



GERMAN FLECKVIEH



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HOLSTEIN



RED HOLSTEIN



ANGLER



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PIEMONTESE

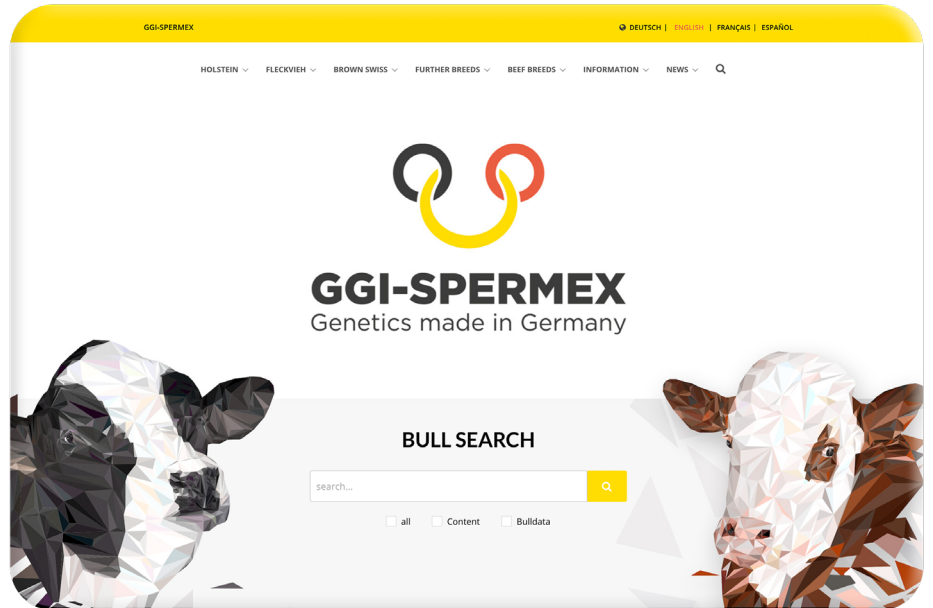


# Media

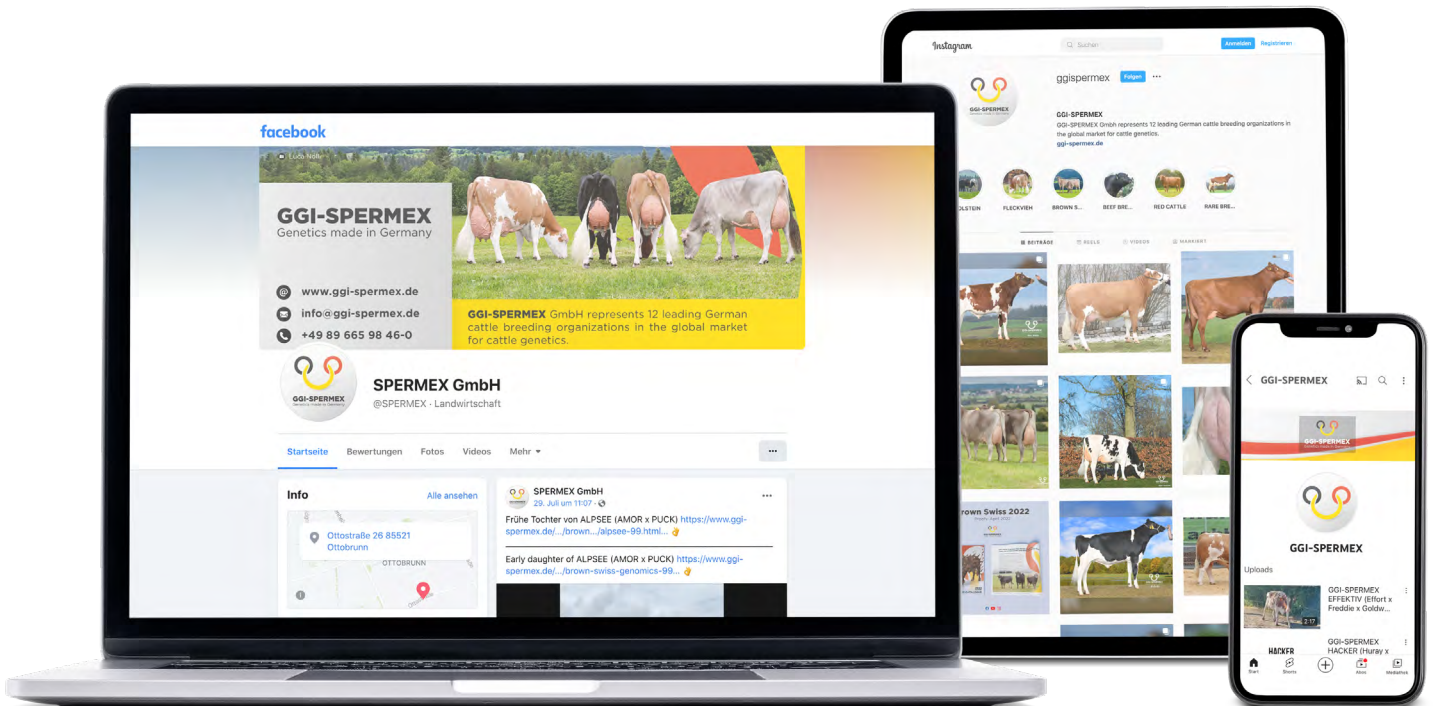
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The **GGI-SPERMEX website** offers detailed bull information on more than 2,000 bulls of different breeds. Besides or main breeds Holstein, Fleckvieh and Brown Swiss you find a wide variety of more than 30 different breeds. Our selection perfectly meets all needs and management conditions. With our mobile website version all bulls are always at hand. The **GGI-SPERMEX App** shows our best sires – no matter where you are or even if you do not have an Internet connection!

Interactive news, videos and interesting bulls are presented on our Facebook site. We'll see you there!



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# GERMAN FLECKVIEH

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**GGI-SPERMEX GmbH**

Ottostraße 26  
85521 Otterbrunn  
Germany

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

Email: [info@ggi-spermex.de](mailto:info@ggi-spermex.de)  
Internet: [www.ggi-spermex.de](http://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](mailto:info@ggi-spermex.de)  
Internet: [www.ggi-spermex.de](http://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](http://www.bas-sl.com) · [info@bas-sl.com](mailto:info@bas-sl.com)  
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