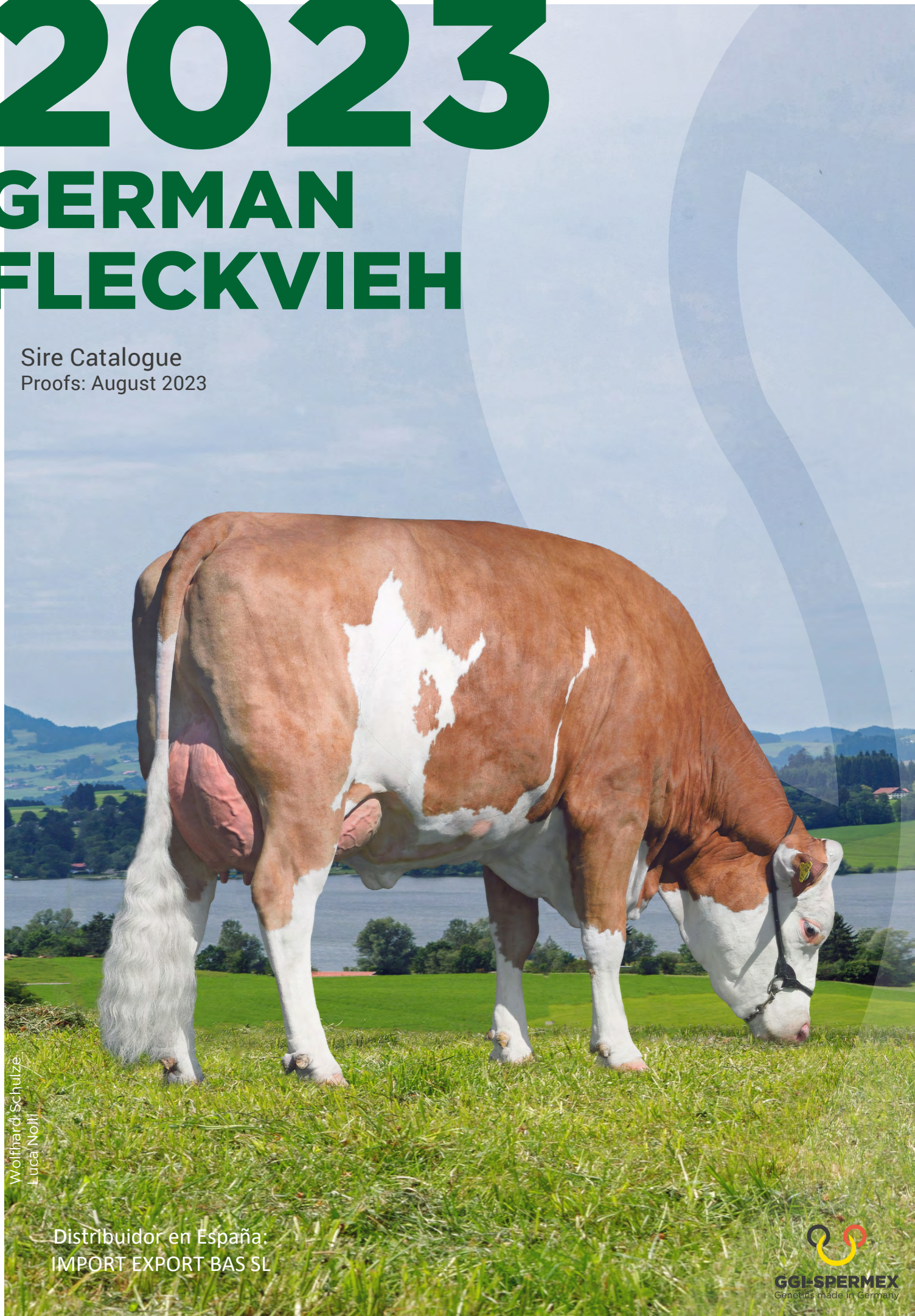
2023
GERMAN FLECKVIEH

Sire Catalogue
Proofs: August 2023



Wolfhard Schulze
Luca Nolli

Distribuidor en España:
IMPORT EXPORT BAS SL

GGI-SPERMEX
Genetics made in Germany

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...

GET IT ON Google Play

Download on the App Store

parts...
German Genetics!

Page 2+3: Fleckvieh heifers enjoying the alpine pasture in Bavaria
Photo: M. Wimmer

Progeny tested

Genomic young sires

Info

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.

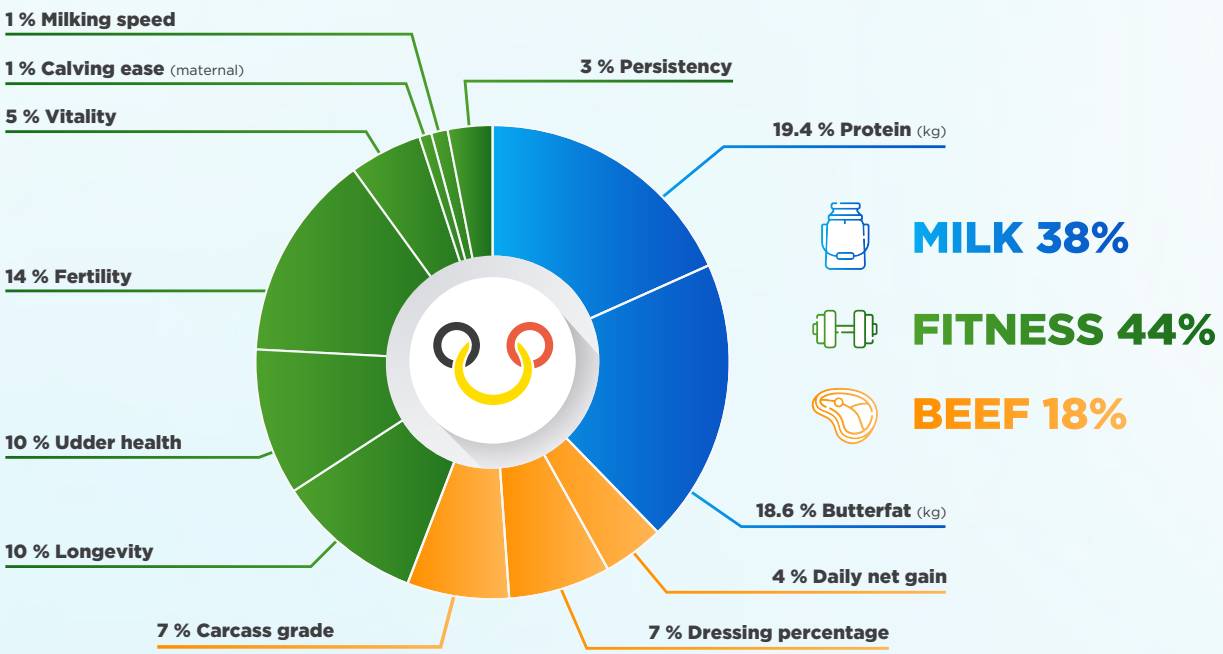
Production and sustainability

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:

835,193 cows under milk recording
699,656 cows registered in herdbook

Wolfhard Schulze

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

German Fleckvieh

Boost the profitability of your herd

German Fleckvieh
Balanced dual purpose breed!
Luca Nolli

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 Nolli

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.

Elenor, dam of Easylover

German Fleckvieh
Healthy cows give their owners pleasure!
Luca Nolli

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!
Wolfhard 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.

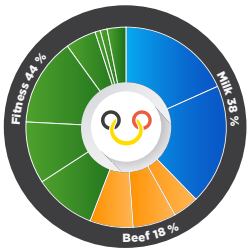
Adaptation

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 almost 700.000 cows registered in the herd book and more than 830.000 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 mordern breeding methods!
Luca Nolli

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

progeny tested

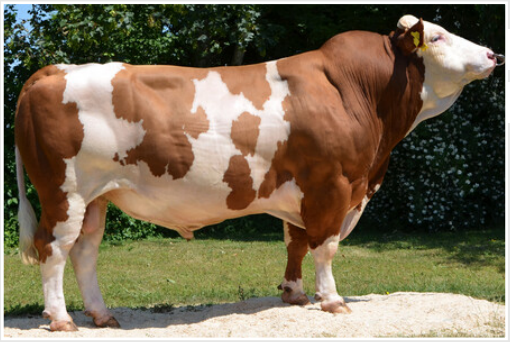
Zeiger

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

aAa **564132** Pigm.: 30%

ZAZU — ZEPTER / FARINYA
LAMERA 1/1 9978 4,25 424 3,56 355 — **HERZSCHLAG** / LAMORE 2/2 7542 4,00 302 3,51 265 — **WATT**

Dual purpose | **Udder health** | **Fertility**



A1A1
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 143** 91%

MILK INDEX (D: 174, H: 114) **MI 117** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+712	+0,05	+34	-0,08	+19

BEEF PERFORMANCE **BI 123** 99%

Daily net gain	Carcass percentage	Carcass grade
119	126	109

FUNCTIONAL TRAITS **FIT 126** 91%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	132	111	111	91	109	120	92	139

Edelperle, daughter of Zeiger

LINEAR DESCRIPTION 73 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**98**		
Muscling	**102**		
Feet & Legs	**99**		
Udder	**109**		
Height at cross	96	small	large
Body length	101	short	long
Rump width	109	narrow	wide
Body depth	96	shallow	deep
Rump angle	103	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	97	weak	strong
Foot angle	99	low angles	steep angles
Fore udder length	98	short	long
Rear udder length	110	short	long
Fore udder att.	99	loose	tight
Susp. ligament	106	weak	strong
Udder depth	112	deep	high
Teat length	99	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	92	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Monopoly P*S

HB No. 10/871133
LOM DE 09 53347849
Born 21.01.2018

aAa **543612** Pigm.: 35%

MANOLO Pp* — MANIGO / FANFEE
GOLKA 7/6 11019 4,04 446 3,36 370 — **REMMEL** / GOLDI 9/8 9381 4,41 414 3,38 317 — **RORB**

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

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 138** 93%

MILK INDEX (D: 368, H: 283) **MI 122** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1049	-0,20	+25	-0,01	+36

BEEF PERFORMANCE **BI 120** 97%

Daily net gain	Carcass percentage	Carcass grade
116	121	108

FUNCTIONAL TRAITS **FIT 114** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
87	111	109	118	100	104	103	106	134

Rolex, daughter of Monopoly PS

LINEAR DESCRIPTION 131 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Muscling	**109**		
Feet & Legs	**112**		
Udder	**113**		
Height at cross	107	small	large
Body length	116	short	long
Rump width	107	narrow	wide
Body depth	108	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	106	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	97	short	long
Fore udder att.	100	loose	tight
Susp. ligament	112	weak	strong
Udder depth	104	deep	high
Teat length	100	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	115	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Zubringer

HB No. 10/854443
LOM DE 09 54382887
Born 16.10.2018

aAa **546132** Pigm.: 51%

ZAZU — ZEPTER / FARINYA
LAMERA 1/1 9978 4,25 424 3,56 355 — **HERZSCHLAG** / LAMORE 2/2 7542 4,00 302 3,51 265 — **WATT**

Milk **Beef** **Udder health**

A1A1
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 137** 93%

MILK INDEX (D: 329, H: 237) **MI 129** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1266	-0,02	+51	-0,12	+34

BEEF PERFORMANCE **BI 113** 98%

Daily net gain	Carcass percentage	Carcass grade
110	114	105

FUNCTIONAL TRAITS **FIT 107** 91%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
119	116	105	109	88	103	96	93	130

Daughter of Zubringer

LINEAR DESCRIPTION 115 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**95**		
Muscling	**103**		
Feet & Legs	**110**		
Udder	**107**		
Height at cross	91	small	large
Body length	98	short	long
Rump width	106	narrow	wide
Body depth	100	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	105	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	103	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	109	short	long
Rear udder length	112	short	long
Fore udder att.	104	loose	tight
Susp. ligament	101	weak	strong
Udder depth	103	deep	high
Teat length	99	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	116	wide	close
Teat direction (rear)	112	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Hokuspokus

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

aAa **531462** Pigm.: 46%

HURLY — HULKOR / AFRA
NELLE 9/8 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 2023) **TMI 134** 97%

MILK INDEX (D: 794, H: 539) **MI 120** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+407	+0,14	+29	+0,16	+29

BEEF PERFORMANCE **BI 108** 98%

Daily net gain	Carcass percentage	Carcass grade
110	108	102

FUNCTIONAL TRAITS **FIT 115** 97%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	114	99	107	108	101	114	107	128

Whisky, daughter of Hokuspokus, 2nd lact.

LINEAR DESCRIPTION 226 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Muscling	**99**		
Feet & Legs	**113**		
Udder	**125**		
Height at cross	111	small	large
Body length	108	short	long
Rump width	103	narrow	wide
Body depth	108	shallow	deep
Rump angle	92	ascending	sloped
Hock angularity	109	straight	sickled
Hock develop.	112	swollen	dry
Pasterns	103	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	100	short	long
Fore udder att.	120	loose	tight
Susp. ligament	98	weak	strong
Udder depth	115	deep	high
Teat length	94	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	117	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	98	add. teats	clean udder

progeny tested

progeny tested

Weitblick

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

aAa **423561** Pigm.: 30%

WOBBLER — WATNOX / SINDI
LANESSA 4/4 11974 3,52 422 3,59 430 — **REUMUT** LARISA 4/4 10056 3,99 402 3,53 355 — **ROUND UP**

Milk **Beef** **Fitness**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 133** 98%

MILK INDEX (D: 2352, H: 1124) **MI 117** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+872	-0,20	+19	-0,03	+28

BEEF PERFORMANCE **BI 115** 99%

Daily net gain	Carcass percentage	Carcass grade
102	119	109

FUNCTIONAL TRAITS **FIT 114** 97%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	107	117	120	104	110	105	99	130

Garniera, daughter of Weitblick

LINEAR DESCRIPTION 523 DAUGHTERS

Trait	Index	Tendency 76	88	100	112	124	136	Tendency
Frame	**95**							
Muscling	**90**							
Feet & Legs	**111**							
Udder	**100**							
Height at cross	96	small						large
Body length	98	short						long
Rump width	93	narrow						wide
Body depth	90	shallow						deep
Rump angle	108	ascending						sloped
Hock angularity	107	straight						sickled
Hock develop.	106	swollen						dry
Pasterns	100	weak						strong
Foot angle	111	low angles						steep angles
Fore udder length	97	short						long
Rear udder length	107	short						long
Fore udder att.	90	loose						tight
Susp. ligament	103	weak						strong
Udder depth	95	deep						high
Teat length	98	short						long
Teat thickness	105	thin						thick
Teat placem. (front)	108	wide						close
Teat placem. (rear)	101	wide						close
Teat direction (rear)	102	outwards						inwards
Udder cleanness	106	add. teats						clean udder

Exklusiv

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

aAa **345216** Pigm.: 48%

ETOSCHA — EVEREST / MINA
NAPOLI 5/4 12669 4,32 547 3,39 429 — **WABAN** NICOLA 5/5 11203 4,47 501 3,50 393 — **RUPTAL**

Fat-% **Fertility** **Udder**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 132** 98%

MILK INDEX (D: 1942, H: 1075) **MI 118** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+569	+0,15	+37	-0,02	+19

BEEF PERFORMANCE **BI 109** 99%

Daily net gain	Carcass percentage	Carcass grade
103	103	112

FUNCTIONAL TRAITS **FIT 116** 97%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
92	111	94	109	106	102	117	106	120

1071, daughter of Exklusiv

LINEAR DESCRIPTION 649 DAUGHTERS

Trait	Index	Tendency 76	88	100	112	124	136	Tendency
Frame	**86**							
Muscling	**99**							
Feet & Legs	**109**							
Udder	**114**							
Height at cross	84	small						large
Body length	93	short						long
Rump width	97	narrow						wide
Body depth	88	shallow						deep
Rump angle	95	ascending						sloped
Hock angularity	92	straight						sickled
Hock develop.	92	swollen						dry
Pasterns	112	weak						strong
Foot angle	108	low angles						steep angles
Fore udder length	101	short						long
Rear udder length	98	short						long
Fore udder att.	105	loose						tight
Susp. ligament	114	weak						strong
Udder depth	108	deep						high
Teat length	93	short						long
Teat thickness	99	thin						thick
Teat placem. (front)	110	wide						close
Teat placem. (rear)	97	wide						close
Teat direction (rear)	99	outwards						inwards
Udder cleanness	105	add. teats						clean udder

Zazu

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

aAa **534162** Pigm.: 45%

ZEPTER — ZASPIN / NELE
FARINYA 5/4 10416 3,64 379 3,56 370 — **WATT** FAYALA 8/8 10160 4,33 440 3,51 356 — **HUMPERT**

Dual purpose **Fertility** **Udder health**

A1A1
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 132** 98%

MILK INDEX (D: 1879, H: 1055) **MI 115** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+495	+0,02	+22	+0,05	+22

BEEF PERFORMANCE **BI 119** 99%

Daily net gain	Carcass percentage	Carcass grade
105	123	111

FUNCTIONAL TRAITS **FIT 113** 98%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	120	104	111	82	101	112	78	126

Linde, daughter of Zazu

LINEAR DESCRIPTION 574 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**93**		
Muscling	**102**		
Feet & Legs	**107**		
Udder	**98**		
Height at cross	92	small	large
Body length	91	short	long
Rump width	102	narrow	wide
Body depth	95	shallow	deep
Rump angle	113	ascending	sloped
Hock angularity	111	straight	sickled
Hock develop.	108	swollen	dry
Pasterns	97	weak	strong
Foot angle	98	low angles	steep angles
Fore udder length	98	short	long
Rear udder length	113	short	long
Fore udder att.	81	loose	tight
Susp. ligament	109	weak	strong
Udder depth	100	deep	high
Teat length	97	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Elsando

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

Pigm.: 13%

ETOSCHA — EVEREST / MINA
HERZOGIN 9/8 13147 3,78 497 3,71 488 — **REUMUT** HANNA 11/9 11152 4,23 472 3,56 398 — **WEINOLD**

Udder **Fitness** **Beef**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 132** 91%

MILK INDEX (D: 118, H: 93) **MI 107** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+662	-0,31	0	-0,06	+18

BEEF PERFORMANCE **BI 117** 92%

Daily net gain	Carcass percentage	Carcass grade
109	123	106

FUNCTIONAL TRAITS **FIT 126** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
93	123	97	120	107	103	121	103	129

Esche, daughter of Elsando

LINEAR DESCRIPTION 70 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Muscling	**102**		
Feet & Legs	**104**		
Udder	**115**		
Height at cross	103	small	large
Body length	110	short	long
Rump width	106	narrow	wide
Body depth	99	shallow	deep
Rump angle	109	ascending	sloped
Hock angularity	99	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	102	weak	strong
Foot angle	115	low angles	steep angles
Fore udder length	115	short	long
Rear udder length	92	short	long
Fore udder att.	103	loose	tight
Susp. ligament	105	weak	strong
Udder depth	109	deep	high
Teat length	96	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	124	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	110	add. teats	clean udder

progeny tested

progeny tested

Hazienda

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

aAa **456231** Pigm.: 39%

HURLY — HULKOR / AFRA
685 — **REUMUT** 048 — **VANSTEIN**
1/1 9500 4,45 423 3,56 338
7/7 9193 4,58 421 3,76 346

Dual purpose **Longevity** **Udder**

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 131** 90%

MILK INDEX (D: 158, H: 121) **MI 118** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+612	+0,03	+29	+0,03	+24

BEEF PERFORMANCE **BI 117** 91%

Daily net gain	Carcass percentage	Carcass grade
103	123	108

FUNCTIONAL TRAITS **FIT 112** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	108	100	115	106	103	106	104	127

Wilma, daughter of Hazienda

LINEAR DESCRIPTION 61 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**90**		
Muscling	**95**		
Feet & Legs	**109**		
Udder	**109**		
Height at cross	88	small	large
Body length	91	short	long
Rump width	90	narrow	wide
Body depth	95	shallow	deep
Rump angle	87	ascending	sloped
Hock angularity	93	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	106	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	100	short	long
Fore udder att.	106	loose	tight
Susp. ligament	99	weak	strong
Udder depth	100	deep	high
Teat length	106	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	105	add. teats	clean udder

McGyver

HB No. 10/858532
LOM DE 09 54344202
Born 03.11.2018

aAa **423516** Pigm.: 55%

MACBETH — MANGOPE / BESSI
KOALA — **HURLY** KOLIBRI — **WILDWEST**
4/3 13192 4,10 541 3,98 525
2/1 7084 4,94 350 4,16 295

Milk **Fitness** **Udder**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 131** 90%

MILK INDEX (D: 142, H: 117) **MI 117** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+826	-0,01	+33	-0,12	+19

BEEF PERFORMANCE **BI 109** 99%

Daily net gain	Carcass percentage	Carcass grade
108	110	102

FUNCTIONAL TRAITS **FIT 117** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	118	111	114	107	100	104	109	133

Gulia, daughter of McGyver

LINEAR DESCRIPTION 82 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**110**		
Muscling	**90**		
Feet & Legs	**120**		
Udder	**126**		
Height at cross	114	small	large
Body length	105	short	long
Rump width	91	narrow	wide
Body depth	108	shallow	deep
Rump angle	96	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	122	swollen	dry
Pasterns	102	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	103	short	long
Fore udder att.	117	loose	tight
Susp. ligament	111	weak	strong
Udder depth	120	deep	high
Teat length	82	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Wasmeier

HB No. 10/862650
LOM DE 09 54134787
Born 02.09.2018

aAa **243615** Pigm.: 28%

WENDLINGER — WILLE / CHIARA
EXOTIKA 1/1 8825 4,79 423 3,27 289 — **RALDI** / EVITA — **WEBURG**
6/6 10905 3,79 414 3,47 378

Fitness **Frame** **Milk-kg**

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 131** 89%

MILK INDEX (D: 114, H: 88) **MI 113** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+979	-0,23	+20	-0,20	+17

BEEF PERFORMANCE **BI 104** 94%

Daily net gain	Carcass percentage	Carcass grade
104	105	101

FUNCTIONAL TRAITS **FIT 124** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	120	103	123	101	113	118	96	127

Daughter of Wasmeier

LINEAR DESCRIPTION 53 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Muscling	**94**		
Feet & Legs	**110**		
Udder	**101**		
Height at cross	113	small	large
Body length	110	short	long
Rump width	100	narrow	wide
Body depth	104	shallow	deep
Rump angle	120	ascending	sloped
Hock angularity	102	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	114	weak	strong
Foot angle	97	low angles	steep angles
Fore udder length	98	short	long
Rear udder length	98	short	long
Fore udder att.	97	loose	tight
Susp. ligament	93	weak	strong
Udder depth	104	deep	high
Teat length	93	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	96	wide	close
Teat placem. (rear)	91	wide	close
Teat direction (rear)	94	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Minor

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

aAa **435216** Pigm.: 41%

MINT — MANIGO / INKA
LADY 5/5 8674 4,48 388 3,80 330 — **PASSION** / LOLITA — **WINNIPEG**
4/4 10060 4,06 408 3,86 388

Fitness **Feet & Legs** **Calving ease**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 130** 96%

MILK INDEX (D: 470, H: 317) **MI 111** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+221	+0,03	+12	+0,13	+19

BEEF PERFORMANCE **BI 100** 97%

Daily net gain	Carcass percentage	Carcass grade
96	101	101

FUNCTIONAL TRAITS **FIT 126** 96%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
86	131	98	114	111	102	118	110	124

Apache, daughter of Minor

LINEAR DESCRIPTION 157 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**95**		
Muscling	**97**		
Feet & Legs	**117**		
Udder	**114**		
Height at cross	94	small	large
Body length	97	short	long
Rump width	93	narrow	wide
Body depth	96	shallow	deep
Rump angle	111	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	113	swollen	dry
Pasterns	103	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	92	short	long
Rear udder length	109	short	long
Fore udder att.	111	loose	tight
Susp. ligament	113	weak	strong
Udder depth	109	deep	high
Teat length	109	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	106	add. teats	clean udder

progeny tested

progeny tested

Wang

HB No. 10/874165
LOM DE 09 54210596
Born 20.09.2018

aAa **543162** Pigm.: 45%

WAVE — GS WERTVOLL / LAMORE
FEPTER 4/3 11272 3,66 413 3,25 367 — **ZEPTER** / FEMANT — **MANTON**
6/5 9025 4,10 370 3,48 314

Milk-kg | **Udder health** | **Muscling**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 129** 87%

MILK INDEX (D: 73, H: 56) **MI 123** 94%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1197	-0,04	+46	-0,22	+22

BEEF PERFORMANCE **BI 108** 96%

Daily net gain	Carcass percentage	Carcass grade
111	102	108

FUNCTIONAL TRAITS **FIT 108** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	118	90	101	96	117	104	98	121

LINEAR DESCRIPTION 31 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Muscling	**114**		
Feet & Legs	**102**		
Udder	**106**		
Height at cross	105	small	large
Body length	108	short	long
Rump width	110	narrow	wide
Body depth	113	shallow	deep
Rump angle	105	ascending	sloped
Hock angularity	112	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	105	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	103	short	long
Rear udder length	101	short	long
Fore udder att.	99	loose	tight
Susp. ligament	104	weak	strong
Udder depth	102	deep	high
Teat length	104	short	long
Teat thickness	107	thin	thick
Teat placem. (front)	97	wide	close
Teat placem. (rear)	97	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	97	add. teats	clean udder

Percussion

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

aAa **516342** Pigm.: 35%

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 2023) **TMI 129** 89%

MILK INDEX (D: 85, H: 72) **MI 118** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+483	+0,04	+23	+0,14	+29

BEEF PERFORMANCE **BI 105** 91%

Daily net gain	Carcass percentage	Carcass grade
99	111	100

FUNCTIONAL TRAITS **FIT 114** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	108	110	117	101	101	107	102	123

Thailan, daughter of Percussion

LINEAR DESCRIPTION 56 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**94**		
Muscling	**90**		
Feet & Legs	**103**		
Udder	**101**		
Height at cross	95	small	large
Body length	96	short	long
Rump width	86	narrow	wide
Body depth	96	shallow	deep
Rump angle	89	ascending	sloped
Hock angularity	117	straight	sickled
Hock develop.	113	swollen	dry
Pasterns	101	weak	strong
Foot angle	96	low angles	steep angles
Fore udder length	102	short	long
Rear udder length	111	short	long
Fore udder att.	104	loose	tight
Susp. ligament	96	weak	strong
Udder depth	102	deep	high
Teat length	120	short	long
Teat thickness	112	thin	thick
Teat placem. (front)	89	wide	close
Teat placem. (rear)	87	wide	close
Teat direction (rear)	83	outwards	inwards
Udder cleanness	98	add. teats	clean udder

Vlaturo

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

aAa **564123** Pigm.: 60%

VLARO — VLAX / LILLIMARLEN
URLE 5/5 7268 4,39 319 3,62 263 — **HUTERA** — **RENWART**
3/3 6336 4,85 307 3,81 241

Components	Type	Calving ease
	A2A2	AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 128** 96%

MILK INDEX (D: 597, H: 355) **MI 121** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+104	+0,56	+50	+0,14	+15

BEEF PERFORMANCE **BI 103** 98%

Daily net gain	Carcass percentage	Carcass grade
101	105	101

FUNCTIONAL TRAITS **FIT 110** 95%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	110	104	101	109	99	111	98	127

Raffa, daughter of Vlaturo

LINEAR DESCRIPTION 242 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Muscling	**104**		
Feet & Legs	**111**		
Udder	**112**		
Height at cross	114	small	large
Body length	116	short	long
Rump width	107	narrow	wide
Body depth	98	shallow	deep
Rump angle	113	ascending	sloped
Hock angularity	80	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	112	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	98	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	111	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Villeroy

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

aAa **423651** Pigm.: 22%

REUMUT — RAUFBOLD / FIONA
LIMA 8/8 10423 4,17 434 3,60 375 — **ETTAL** / LISABON — **ZAHNER**
8/7 10834 4,35 471 3,61 391

Longevity	Fertility	Udder
	A1A1	AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 128** 99%

MILK INDEX (D: 11812, H: 4844) **MI 111** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+520	-0,14	+10	+0,02	+21

BEEF PERFORMANCE **BI 117** 99%

Daily net gain	Carcass percentage	Carcass grade
112	113	114

FUNCTIONAL TRAITS **FIT 114** 99%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	102	96	116	99	106	115	102	126

Biluna Pp, daughter of Villeroy

LINEAR DESCRIPTION 2180 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**91**		
Muscling	**96**		
Feet & Legs	**110**		
Udder	**113**		
Height at cross	89	small	large
Body length	98	short	long
Rump width	95	narrow	wide
Body depth	91	shallow	deep
Rump angle	87	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	108	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	113	short	long
Fore udder att.	112	loose	tight
Susp. ligament	99	weak	strong
Udder depth	100	deep	high
Teat length	116	short	long
Teat thickness	91	thin	thick
Teat placem. (front)	120	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	104	add. teats	clean udder

progeny tested

progeny tested

Elevation

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

aAa **564132** Pigm.: 55%

ETOSCHA — EVEREST / MINA
910 4/4 12385 3,38 418 3,27 405 — **GS PANDORA** LIBERTY 6/6 12080 3,78 457 3,45 416 — **IKEBANA**

Udder | **Milk-kg** | **Fitness**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 128** 92%

MILK INDEX (D: 201, H: 147) **MI 109** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+870	-0,37	+3	-0,13	+19

BEEF PERFORMANCE **BI 107** 96%

Daily net gain	Carcass percentage	Carcass grade
109	102	107

FUNCTIONAL TRAITS **FIT 125** 91%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
86	123	106	117	98	107	115	109	126

Daughter of Elevation

LINEAR DESCRIPTION 110 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Muscling	**110**		
Feet & Legs	**109**		
Udder	**115**		
Height at cross	109	small	large
Body length	111	short	long
Rump width	104	narrow	wide
Body depth	109	shallow	deep
Rump angle	98	ascending	sloped
Hock angularity	84	straight	sickled
Hock develop.	91	swollen	dry
Pasterns	119	weak	strong
Foot angle	117	low angles	steep angles
Fore udder length	105	short	long
Rear udder length	95	short	long
Fore udder att.	100	loose	tight
Susp. ligament	111	weak	strong
Udder depth	107	deep	high
Teat length	79	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	119	wide	close
Teat placem. (rear)	119	wide	close
Teat direction (rear)	123	outwards	inwards
Udder cleanness	108	add. teats	clean udder

Happyday

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

aAa **516432** Pigm.: 37%

HUGOBOSS — HUTERA / ERLE
AMICELI 6/6 9871 3,47 342 3,64 360 — **MANIGO** ALPENVEILCHE 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 2023) **TMI 127** 94%

MILK INDEX (D: 351, H: 266) **MI 122** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1264	-0,25	+29	-0,12	+34

BEEF PERFORMANCE **BI 103** 97%

Daily net gain	Carcass percentage	Carcass grade
94	114	97

FUNCTIONAL TRAITS **FIT 106** 93%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	113	105	113	99	97	91	103	125

Weltall, daughter of Happyday

LINEAR DESCRIPTION 183 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**97**		
Muscling	**88**		
Feet & Legs	**119**		
Udder	**109**		
Height at cross	98	small	large
Body length	94	short	long
Rump width	93	narrow	wide
Body depth	99	shallow	deep
Rump angle	112	ascending	sloped
Hock angularity	87	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	123	weak	strong
Foot angle	121	low angles	steep angles
Fore udder length	111	short	long
Rear udder length	112	short	long
Fore udder att.	96	loose	tight
Susp. ligament	113	weak	strong
Udder depth	101	deep	high
Teat length	81	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Helfgott

HB No. 10/871064
LOM DE 09 53001945
Born 07.05.2017

Pigm.: 34%

HENDORF — HUTERA / RICO
WELLA 5/5 7806 4,29 335 3,42 267 — **PANDORA** WALDI 8/7 9091 4,67 424 3,63 330 — **INHOF**

Fitness | **Calving ease** | **Feet & Legs**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 127** 90%

MILK INDEX (D: 104, H: 88) **MI 114** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+733	-0,17	+15	-0,01	+25

BEEF PERFORMANCE **BI 106** 92%

Daily net gain	Carcass percentage	Carcass grade
101	113	98

FUNCTIONAL TRAITS **FIT 115** 89%

				Calving ease				
MS	UH	Pers	PL	CEp	CEm	Fert	VIT	ETMI
111	109	101	115	112	100	112	104	126

Beate, daughter of Helfgott

LINEAR DESCRIPTION 62 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**99**		
Muscling	**93**		
Feet & Legs	**115**		
Udder	**107**		
Height at cross	101	small	large
Body length	100	short	long
Rump width	97	narrow	wide
Body depth	89	shallow	deep
Rump angle	101	ascending	sloped
Hock angularity	85	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	100	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	113	short	long
Fore udder att.	102	loose	tight
Susp. ligament	107	weak	strong
Udder depth	98	deep	high
Teat length	98	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	94	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	95	add. teats	clean udder

Windspiel

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

Pigm.: 27%

GS WERTVOLL — WILLIAMS / REXANA
BANDITA 6/6 10036 3,90 391 3,59 360 — **VANADIN** BOMBE 7/6 11147 3,68 410 3,46 385 — **WINNIPEG**

Muscling | **Fitness** | **Type**

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 127** 94%

MILK INDEX (D: 178, H: 151) **MI 113** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+655	-0,11	+18	-0,04	+19

BEEF PERFORMANCE **BI 110** 97%

Daily net gain	Carcass percentage	Carcass grade
107	111	104

FUNCTIONAL TRAITS **FIT 115** 93%

				Calving ease				
MS	UH	Pers	PL	CEp	CEm	Fert	VIT	ETMI
98	116	109	109	94	118	109	98	126

Daughter of Windspiel

LINEAR DESCRIPTION 115 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Muscling	**126**		
Feet & Legs	**102**		
Udder	**121**		
Height at cross	102	small	large
Body length	107	short	long
Rump width	107	narrow	wide
Body depth	115	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	83	swollen	dry
Pasterns	109	weak	strong
Foot angle	120	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	109	short	long
Fore udder att.	125	loose	tight
Susp. ligament	108	weak	strong
Udder depth	102	deep	high
Teat length	79	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	107	add. teats	clean udder

progeny tested

progeny tested

Memphis

HB No. 10/427085
LOM DE 08 16860750
Born 12.05.2018

Pigm.: 56%

MIROM — MINT / MONE
GALLIA 4/3 7472 3,96 296 3,47 259 — **WATT** GALLI 7/7 8643 4,06 351 3,39 293 — **IKEBANA**

Milk	Type	Fitness
A2A2		
AA		
progeny tested		

TOTAL MERIT INDEX (Proof: August 2023) **TMI 126** 90%

MILK INDEX (D: 216, H: 112) **MI 115** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1182	-0,28	+23	-0,22	+21

BEEF PERFORMANCE **BI 97** 96%

Daily net gain	Carcass percentage	Carcass grade
104	93	100

FUNCTIONAL TRAITS **FIT 117** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	118	95	127	97	100	108	96	122

Gallia, dam of Memphis

LINEAR DESCRIPTION 92 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**110**		
Muscling	**102**		
Feet & Legs	**110**		
Udder	**115**		
Height at cross	108	small	large
Body length	109	short	long
Rump width	110	narrow	wide
Body depth	112	shallow	deep
Rump angle	103	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	109	swollen	dry
Pasterns	99	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	110	short	long
Fore udder att.	103	loose	tight
Susp. ligament	111	weak	strong
Udder depth	107	deep	high
Teat length	102	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	119	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Wettiner

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

aAa **546312** Pigm.: 29%

WABAN — WILLE / GISELLA
MARINA 4/3 9863 4,13 408 3,79 374 — **RALDI** MANYA 3/3 10779 4,31 465 3,52 380 — **HUTERA**

Fitness	Muscling	Teat length
A1A1		
AA		
progeny tested		

TOTAL MERIT INDEX (Proof: August 2023) **TMI 126** 89%

MILK INDEX (D: 94, H: 77) **MI 112** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+523	-0,05	+18	-0,02	+17

BEEF PERFORMANCE **BI 95** 98%

Daily net gain	Carcass percentage	Carcass grade
93	90	104

FUNCTIONAL TRAITS **FIT 122** 89%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	122	116	126	92	109	102	105	126

Funke, daughter of Wettiner

LINEAR DESCRIPTION 45 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**99**		
Muscling	**113**		
Feet & Legs	**93**		
Udder	**110**		
Height at cross	97	small	large
Body length	97	short	long
Rump width	103	narrow	wide
Body depth	112	shallow	deep
Rump angle	89	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	94	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	102	short	long
Rear udder length	106	short	long
Fore udder att.	112	loose	tight
Susp. ligament	94	weak	strong
Udder depth	105	deep	high
Teat length	121	short	long
Teat thickness	110	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	86	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Sisyphus

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

aAa **435261** Pigm.: 36%

SYMPOSIUM — SERANO / MODEI
HILLARY 1/1 9953 4,19 417 3,68 366 — **WILLE** HANNA 5/5 9388 4,17 392 3,63 341 — **VANSTEIN**

Udder | **Calving ease** | **Components**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 126** 99%

MILK INDEX (D: 3857, H: 1679) **MI 111** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+143	+0,25	+27	+0,05	+9

BEEF PERFORMANCE **BI 114** 99%

Daily net gain	Carcass percentage	Carcass grade
110	107	115

FUNCTIONAL TRAITS **FIT 111** 99%

				Calving ease				
MS	UH	Pers	PL	CEp	CEm	Fert	VIT	ETMI
121	108	102	103	113	106	112	105	121

Herster, daughter of Sisyphus, 2nd. lact.

LINEAR DESCRIPTION 1131 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**89**		
Muscling	**114**		
Feet & Legs	**101**		
Udder	**121**		
Height at cross	87	small	large
Body length	93	short	long
Rump width	98	narrow	wide
Body depth	92	shallow	deep
Rump angle	101	ascending	sloped
Hock angularity	101	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	100	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	96	short	long
Fore udder att.	119	loose	tight
Susp. ligament	107	weak	strong
Udder depth	110	deep	high
Teat length	92	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Hugomint

HB No. 10/865590
LOM DE 09 52734410
Born 26.07.2017

Pigm.: 48%

HUGOBOSS — HUTERA / ERLE
ANNA 3/2 9244 3,98 368 3,43 317 — **MINT** ANNE 6/6 8685 4,52 393 3,57 310 — **RUREIF**

Udder health | **Milking speed** | **Udder**

A1A1
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 126** 87%

MILK INDEX (D: 54, H: 45) **MI 110** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+564	-0,04	+20	-0,12	+9

BEEF PERFORMANCE **BI 106** 88%

Daily net gain	Carcass percentage	Carcass grade
102	105	107

FUNCTIONAL TRAITS **FIT 120** 87%

				Calving ease				
MS	UH	Pers	PL	CEp	CEm	Fert	VIT	ETMI
112	123	116	116	87	98	106	101	125

Daughter of Hugomint

LINEAR DESCRIPTION 35 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**100**		
Muscling	**96**		
Feet & Legs	**109**		
Udder	**115**		
Height at cross	99	small	large
Body length	101	short	long
Rump width	99	narrow	wide
Body depth	96	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	107	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	108	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	93	short	long
Fore udder att.	99	loose	tight
Susp. ligament	109	weak	strong
Udder depth	114	deep	high
Teat length	90	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	104	add. teats	clean udder

progeny tested

progeny tested

Herzfeuer

HB No. 10/854333
LOM DE 09 53491132
Born 27.04.2018

aAa **651423** Pigm.: 32%

HERZSCHLAG — HUTERA / LEONIE
MONIKA 7/7 9725 3,95 384 3,81 370 — **WALDBRAND** MONITOR 9/9 9149 4,03 369 3,62 332 — **GS VIDOR**

Milk **Udder** **Calving Ease**

A1A1
BB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 125** 94%

MILK INDEX (D: 388, H: 248) **MI 128** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1329	-0,05	+51	-0,16	+32

BEEF PERFORMANCE **BI 105** 98%

Daily net gain	Carcass percentage	Carcass grade
119	103	96

FUNCTIONAL TRAITS **FIT 96** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	100	95	106	115	101	90	101	121

Liverpool, daughter of Herzfeuer

LINEAR DESCRIPTION 139 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Muscling	**79**		
Feet & Legs	**115**		
Udder	**119**		
Height at cross	111	small	large
Body length	112	short	long
Rump width	101	narrow	wide
Body depth	100	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	85	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	100	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	106	short	long
Fore udder att.	107	loose	tight
Susp. ligament	118	weak	strong
Udder depth	106	deep	high
Teat length	97	short	long
Teat thickness	91	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	124	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Sehrgut

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

aAa **516432** Pigm.: 39%

SERANO — SAFIR / ALICE
EMILI 11/11 11348 4,05 460 3,57 405 — **WINNIPEG** EMORA 7/7 9792 3,85 377 3,54 346 — **RALBIT**

Milk **Udder health** **Udder length**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 125** 99%

MILK INDEX (D: 12065, H: 5237) **MI 120** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+995	-0,19	+24	-0,03	+33

BEEF PERFORMANCE **BI 100** 99%

Daily net gain	Carcass percentage	Carcass grade
107	95	101

FUNCTIONAL TRAITS **FIT 107** 99%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	116	97	110	109	91	93	112	120

Epic, daughter of Sehrgut, 2nd lact.

LINEAR DESCRIPTION 1601 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**92**		
Muscling	**92**		
Feet & Legs	**103**		
Udder	**109**		
Height at cross	93	small	large
Body length	96	short	long
Rump width	88	narrow	wide
Body depth	94	shallow	deep
Rump angle	101	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	98	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	123	short	long
Rear udder length	118	short	long
Fore udder att.	107	loose	tight
Susp. ligament	113	weak	strong
Udder depth	91	deep	high
Teat length	118	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	121	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Mirror

HB No. 10/427068
LOM DE 08 16634593
Born 16.10.2017

aAa **546312** Pigm.: 65%

MIROLO — MINT IDA
DALINKA 5/5 8232 4,39 361 3,71 305 — **MANTON** DARINA 6/6 9696 4,65 451 3,91 379 — **RUREX**

Components | **Udder** | **Fertility**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 125** 90%

MILK INDEX (D: 149, H: 88) **MI 118** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+112	+0,42	+39	+0,14	+16

BEEF PERFORMANCE **BI 102** 93%

Daily net gain	Carcass percentage	Carcass grade
105	103	98

FUNCTIONAL TRAITS **FIT 112** 89%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	105	85	111	105	107	117	101	117

LINEAR DESCRIPTION 109 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Muscling	**107**		
Feet & Legs	**106**		
Udder	**113**		
Height at cross	101	small	large
Body length	100	short	long
Rump width	98	narrow	wide
Body depth	100	shallow	deep
Rump angle	92	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	103	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	100	short	long
Fore udder att.	114	loose	tight
Susp. ligament	97	weak	strong
Udder depth	115	deep	high
Teat length	95	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	108	add. teats	clean udder

Roy

HB No. 10/862705
LOM DE 09 53605831
Born 05.10.2018

Pigm.: 38%

ROYAL — ROMARIO GREE WK
ERINA 2/2 10563 4,12 435 3,45 364 — **VULKAN** ERDA 3/3 9156 4,36 399 3,43 314 — **EVEREST**

Milk | **Milking speed** | **Frame**

A1A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 125** 85%

MILK INDEX (D: 45, H: 38) **MI 118** 93%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+862	-0,06	+31	-0,09	+22

BEEF PERFORMANCE **BI 118** 93%

Daily net gain	Carcass percentage	Carcass grade
116	120	106

FUNCTIONAL TRAITS **FIT 102** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
122	109	87	100	99	106	101	98	119

LINEAR DESCRIPTION 21 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**114**		
Muscling	**104**		
Feet & Legs	**104**		
Udder	**107**		
Height at cross	114	small	large
Body length	119	short	long
Rump width	104	narrow	wide
Body depth	111	shallow	deep
Rump angle	90	ascending	sloped
Hock angularity	95	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	111	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	105	short	long
Rear udder length	100	short	long
Fore udder att.	93	loose	tight
Susp. ligament	115	weak	strong
Udder depth	100	deep	high
Teat length	93	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	120	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	92	outwards	inwards
Udder cleanness	98	add. teats	clean udder

progeny tested

progeny tested

Sido

HB No. 10/862777
LOM DE 09 55073917
Born 12.03.2019

aAa **543621** Pigm.: 37%

SYSTEM — SALDANA ORLANDO
LEXI 5/4 9500 3,94 374 3,59 341 — **ETOSCHA** 910 4/4 12385 3,38 418 3,27 405 — **GS PANDORA**

Dual purpose **Fitness** **Udder**

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 125** 86%

MILK INDEX (D: 46, H: 35) **MI 110** 91%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+598	-0,05	+20	-0,12	+11

BEEF PERFORMANCE **BI 114** 99%

Daily net gain	Carcass percentage	Carcass grade
117	112	105

FUNCTIONAL TRAITS **FIT 114** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
119	125	102	106	103	103	110	89	124

Lexi, dam of Sido

LINEAR DESCRIPTION 28 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**114**		
Muscling	**103**		
Feet & Legs	**102**		
Udder	**120**		
Height at cross	115	small	large
Body length	116	short	long
Rump width	102	narrow	wide
Body depth	107	shallow	deep
Rump angle	107	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	102	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	99	short	long
Rear udder length	98	short	long
Fore udder att.	111	loose	tight
Susp. ligament	95	weak	strong
Udder depth	125	deep	high
Teat length	101	short	long
Teat thickness	117	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Hutland Pp*

HB No. 10/606521
LOM AT 87 5047 568
Born 02.07.2018

aAa **435261** Pigm.: 23%

GS HUT AB — HARIBO STRUPPI
LUSYI Pp* 6/5 8484 4,79 406 3,54 300 — **INCREDIBLE PP*** LEONIE 9/9 9787 4,02 393 3,32 325 — **WALDBRAND**

Udder **Butterfat** **Udder health**

A1A1
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 124** 88%

MILK INDEX (D: 100, H: 83) **MI 123** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+830	+0,07	+41	-0,03	+26

BEEF PERFORMANCE **BI 107** 93%

Daily net gain	Carcass percentage	Carcass grade
106	108	102

FUNCTIONAL TRAITS **FIT 103** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	116	100	95	94	99	99	94	120

Janet, daughter of Hutland

LINEAR DESCRIPTION 49 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**107**		
Muscling	**99**		
Feet & Legs	**100**		
Udder	**117**		
Height at cross	108	small	large
Body length	112	short	long
Rump width	102	narrow	wide
Body depth	100	shallow	deep
Rump angle	101	ascending	sloped
Hock angularity	112	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	109	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	118	short	long
Rear udder length	95	short	long
Fore udder att.	113	loose	tight
Susp. ligament	103	weak	strong
Udder depth	107	deep	high
Teat length	74	short	long
Teat thickness	75	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	111	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Mylife Pp*

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

aAa **456321** Pigm.: 54%

MAHANGO Pp*
- MUNGO Pp*
- FALTER

LERCHE Pp*
3/3 9161 4,01 367 3,58 328
- **GRIMM P*S**
  - LIPEK
  - 6/4 9964 4,32 430 3,53 351
- **WINNIPEG**

Dual purpose | **Capacity** | **Type**

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 124** 97%

MILK INDEX (D: 1073, H: 687) **MI 116** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+750	-0,11	+22	-0,04	+23

BEEF PERFORMANCE **BI 115** 99%

Daily net gain	Carcass percentage	Carcass grade
115	109	111

FUNCTIONAL TRAITS **FIT 104** 96%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	102	91	106	99	109	106	97	117

Felli, daughter of Mylife Pp

LINEAR DESCRIPTION 273 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**111**		
Muscling	**120**		
Feet & Legs	**99**		
Udder	**119**		
Height at cross	110	small	large
Body length	114	short	long
Rump width	117	narrow	wide
Body depth	103	shallow	deep
Rump angle	106	ascending	sloped
Hock angularity	105	straight	sickled
Hock develop.	87	swollen	dry
Pasterns	104	weak	strong
Foot angle	117	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	104	short	long
Fore udder att.	112	loose	tight
Susp. ligament	100	weak	strong
Udder depth	114	deep	high
Teat length	85	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Villabacho

HB No. 10/866002
LOM DE 09 52728542
Born 25.06.2018

Pigm.: 38%

VILLEROY
- REUMUT
- LIMA

LYRE
7/7 11227 4,13 464 3,30 370
- **PASSION**
  - LYRA
  - 3/3 10478 3,56 373 3,08 323
- **BOSBO**

Udder | **Fitness** | **Butterfat**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 124** 87%

MILK INDEX (D: 93, H: 73) **MI 115** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+374	+0,23	+35	-0,03	+11

BEEF PERFORMANCE **BI 99** 93%

Daily net gain	Carcass percentage	Carcass grade
107	96	98

FUNCTIONAL TRAITS **FIT 115** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
115	102	104	119	96	109	117	90	127

LINEAR DESCRIPTION 55 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**103**		
Muscling	**91**		
Feet & Legs	**114**		
Udder	**130**		
Height at cross	103	small	large
Body length	110	short	long
Rump width	102	narrow	wide
Body depth	97	shallow	deep
Rump angle	80	ascending	sloped
Hock angularity	89	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	111	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	109	short	long
Rear udder length	102	short	long
Fore udder att.	126	loose	tight
Susp. ligament	119	weak	strong
Udder depth	125	deep	high
Teat length	128	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	118	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	103	add. teats	clean udder

progeny tested

progeny tested

Verhaag

HB No. 10/427069
LOM DE 08 16889115
Born 16.10.2017

Pigm.: 33%

VERNANDO — REUMUT / ROLEVA

SUTERA 6/6 10226 4,14 423 3,36 344 — **HUTERA** SENSE 7/7 9502 4,05 385 3,45 328 — **REONIS**

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

A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 124** 94%

MILK INDEX (D: 494, H: 245) **MI 114** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+572	+0,00	+24	-0,02	+18

BEEF PERFORMANCE **BI 105** 97%

Daily net gain	Carcass percentage	Carcass grade
110	103	100

FUNCTIONAL TRAITS **FIT 112** 93%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	100	103	110	108	100	116	104	121

Layla, daughter of Verhaag

LINEAR DESCRIPTION 201 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Muscling	**99**		
Feet & Legs	**102**		
Udder	**113**		
Height at cross	105	small	large
Body length	106	short	long
Rump width	104	narrow	wide
Body depth	99	shallow	deep
Rump angle	111	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	98	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	102	short	long
Fore udder att.	110	loose	tight
Susp. ligament	104	weak	strong
Udder depth	104	deep	high
Teat length	90	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	120	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	115	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Imperial

HB No. 10/865599
LOM DE 09 52727795
Born 09.11.2017

Pigm.: 27%

IMPERATIV — IMPRESSION / URKE

WINNI 5/4 11093 4,31 479 3,59 398 — **SALDANA** WINNI 2/2 9448 4,23 400 3,47 328 — **WILKO**

Dual purpose | **Udder** | **Fertility**

A2A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 124** 89%

MILK INDEX (D: 131, H: 95) **MI 112** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+462	-0,07	+13	+0,05	+21

BEEF PERFORMANCE **BI 116** 93%

Daily net gain	Carcass percentage	Carcass grade
113	117	107

FUNCTIONAL TRAITS **FIT 109** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	105	99	111	104	103	109	97	122

LINEAR DESCRIPTION 73 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Muscling	**92**		
Feet & Legs	**100**		
Udder	**120**		
Height at cross	107	small	large
Body length	104	short	long
Rump width	96	narrow	wide
Body depth	105	shallow	deep
Rump angle	113	ascending	sloped
Hock angularity	107	straight	sickled
Hock develop.	109	swollen	dry
Pasterns	93	weak	strong
Foot angle	91	low angles	steep angles
Fore udder length	115	short	long
Rear udder length	99	short	long
Fore udder att.	117	loose	tight
Susp. ligament	101	weak	strong
Udder depth	108	deep	high
Teat length	101	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Edelstein

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

aAa **462513** Pigm.: 59%

ETOSCHA — EVEREST / MINA
646 4/3 11217 4,12 462 3,80 426 — **IMPRESSION** 534 5/5 12204 4,06 495 3,60 439 — **WIPEG**

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

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 124** 97%

MILK INDEX (D: 2015, H: 1321) **MI 105** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+36	+0,01	+2	+0,12	+11

BEEF PERFORMANCE **BI 107** 99%

Daily net gain	Carcass percentage	Carcass grade
105	112	99

FUNCTIONAL TRAITS **FIT 121** 97%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	114	100	119	106	106	120	99	128

Gestein, daughter of Edelstein

LINEAR DESCRIPTION 836 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Muscling	**105**		
Feet & Legs	**114**		
Udder	**131**		
Height at cross	111	small	large
Body length	117	short	long
Rump width	103	narrow	wide
Body depth	94	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	100	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	111	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	87	short	long
Rear udder length	68	short	long
Fore udder att.	127	loose	tight
Susp. ligament	109	weak	strong
Udder depth	148	deep	high
Teat length	83	short	long
Teat thickness	85	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	93	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Huraxdax

HB No. 10/865587
LOM DE 09 52976748
Born 12.07.2017

Pigm.: 25%

HUGOBOSS — HUTERA / ERLE
FENJA 3/2 9198 4,33 399 3,50 322 — **INFORMANT** FLORIDA 5/4 9032 3,97 359 3,48 314 — **WALDBRAND**

Milk | **Udder** | **Milking speed**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 123** 89%

MILK INDEX (D: 96, H: 84) **MI 124** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1298	-0,20	+35	-0,13	+34

BEEF PERFORMANCE **BI 104** 92%

Daily net gain	Carcass percentage	Carcass grade
105	103	103

FUNCTIONAL TRAITS **FIT 99** 89%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
117	97	115	103	102	94	93	102	121

Ricotta, daughter of Huraxdax

LINEAR DESCRIPTION 65 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Muscling	**97**		
Feet & Legs	**111**		
Udder	**111**		
Height at cross	111	small	large
Body length	112	short	long
Rump width	111	narrow	wide
Body depth	106	shallow	deep
Rump angle	113	ascending	sloped
Hock angularity	90	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	121	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	103	short	long
Rear udder length	110	short	long
Fore udder att.	94	loose	tight
Susp. ligament	112	weak	strong
Udder depth	103	deep	high
Teat length	95	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	122	wide	close
Teat placem. (rear)	116	wide	close
Teat direction (rear)	114	outwards	inwards
Udder cleanness	107	add. teats	clean udder

progeny tested

progeny tested

Einmalig

HB No. 10/860334
LOM DE 09 53805169
Born 16.05.2018

Pigm.: 59%

ERBHOF — EILMON / ENRIKE

PISA 4/4 10259 3,40 349 3,47 356 — **GS VERSETTO** / PIXEL 4/4 9263 4,05 375 3,48 323 — **GS PANDORA**

Protein-% | **Calving ease** | **Beef**

A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 123** 89%

MILK INDEX (D: 119, H: 107) **MI 116** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+652	-0,15	+14	+0,09	+31

BEEF PERFORMANCE **BI 117** 96%

Daily net gain	Carcass percentage	Carcass grade
114	119	106

FUNCTIONAL TRAITS **FIT 103** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	98	105	100	113	106	104	102	121

Gasa, daughter of Einmalig

LINEAR DESCRIPTION 53 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**86**		
Feet & Legs	**98**		
Udder	**113**		
Height at cross	107	small	large
Body length	102	short	long
Rump width	95	narrow	wide
Body depth	107	shallow	deep
Rump angle	94	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	93	weak	strong
Foot angle	97	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	108	short	long
Fore udder att.	108	loose	tight
Susp. ligament	100	weak	strong
Udder depth	103	deep	high
Teat length	107	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Hotrave

HB No. 10/858399
LOM DE 09 53689397
Born 26.06.2018

aAa **423561**

Pigm.: 24%

HOOD — HUTERA / BLUNA

JARAVE 7/7 9433 4,07 384 3,61 341 — **GS RAVE** / JANA 10/10 10388 4,07 423 3,43 356 — **RUAP**

Dual purpose | **Udder health** | **Udder**

A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 123** 86%

MILK INDEX (D: 62, H: 49) **MI 111** 94%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+552	-0,01	+22	-0,11	+10

BEEF PERFORMANCE **BI 108** 90%

Daily net gain	Carcass percentage	Carcass grade
103	112	103

FUNCTIONAL TRAITS **FIT 116** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
95	118	105	116	102	100	107	97	123

LINEAR DESCRIPTION 31 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Muscling	**99**		
Feet & Legs	**104**		
Udder	**120**		
Height at cross	106	small	large
Body length	105	short	long
Rump width	107	narrow	wide
Body depth	96	shallow	deep
Rump angle	105	ascending	sloped
Hock angularity	109	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	104	weak	strong
Foot angle	99	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	96	short	long
Fore udder att.	111	loose	tight
Susp. ligament	99	weak	strong
Udder depth	116	deep	high
Teat length	91	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	96	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Manolo Pp*

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

aAa **324615** Pigm.: 30%

MANIGO — MANDELA NITTI
FANFEE 8/8 9441 4,17 394 3,49 329 — **WAPULS** FANTA P 8/7 8577 3,60 309 3,46 297 — **RALMESBACH**

Type | **Fitness** | **Calving ease**

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 123** 99%

MILK INDEX (D: 4591, H: 2317) **MI 107** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+664	-0,31	+1	-0,07	+17

BEEF PERFORMANCE **BI 114** 99%

Daily net gain	Carcass percentage	Carcass grade
108	116	106

FUNCTIONAL TRAITS **FIT 115** 99%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
86	118	87	122	113	108	100	112	123

Ulla, daughter of Manolo Pp

LINEAR DESCRIPTION 761 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**115**		
Muscling	**111**		
Feet & Legs	**131**		
Udder	**110**		
Height at cross	117	small	large
Body length	115	short	long
Rump width	106	narrow	wide
Body depth	108	shallow	deep
Rump angle	114	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	126	swollen	dry
Pasterns	111	weak	strong
Foot angle	115	low angles	steep angles
Fore udder length	113	short	long
Rear udder length	108	short	long
Fore udder att.	101	loose	tight
Susp. ligament	101	weak	strong
Udder depth	107	deep	high
Teat length	113	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	95	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Hilfinger

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

aAa **423651** Pigm.: 33%

HURLY — HULKOR AFRA
SAMBA 7/7 9362 3,90 365 3,64 341 — **WILLE** SAMBA 2/2 6324 4,21 266 3,68 233 — **VANSTEIN**

Milk | **Udder** | **Beef**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 122** 98%

MILK INDEX (D: 2194, H: 872) **MI 120** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+814	-0,11	+24	+0,06	+34

BEEF PERFORMANCE **BI 114** 99%

Daily net gain	Carcass percentage	Carcass grade
110	119	103

FUNCTIONAL TRAITS **FIT 97** 98%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	104	97	103	104	101	88	102	115

Schmetterling, daughter of Hilfinger

LINEAR DESCRIPTION 822 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**114**		
Muscling	**94**		
Feet & Legs	**107**		
Udder	**120**		
Height at cross	118	small	large
Body length	113	short	long
Rump width	107	narrow	wide
Body depth	99	shallow	deep
Rump angle	82	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	101	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	105	short	long
Rear udder length	105	short	long
Fore udder att.	113	loose	tight
Susp. ligament	97	weak	strong
Udder depth	116	deep	high
Teat length	99	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	123	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	105	add. teats	clean udder

progeny tested

progeny tested

Herzpochen

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

aAa **516342** Pigm.: 37%

HERZSCHLAG — HUTERA / LEONIE
BANDITA 6/6 10036 3,90 391 3,59 360 — **VANADIN** BOMBE 7/6 11147 3,68 410 3,46 385 — **WINNIPEG**

Milking speed | **Dual purpose** | **Calving ease**

A1A1 | AB | progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 121** 98%

MILK INDEX (D: 4290, H: 1780) **MI 115** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+441	+0,13	+30	+0,02	+17

BEEF PERFORMANCE **BI 118** 99%

Daily net gain	Carcass percentage	Carcass grade
123	109	113

FUNCTIONAL TRAITS **FIT 98** 98%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
118	97	99	98	110	106	99	103	117

Jupita, daughter of Herzpochen

LINEAR DESCRIPTION 1116 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Muscling	**126**		
Feet & Legs	**102**		
Udder	**113**		
Height at cross	101	small	large
Body length	112	short	long
Rump width	121	narrow	wide
Body depth	111	shallow	deep
Rump angle	86	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	81	swollen	dry
Pasterns	110	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	95	short	long
Fore udder att.	124	loose	tight
Susp. ligament	97	weak	strong
Udder depth	107	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)	98	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Heartbeat P*S

HB No. 10/865819
LOM DE 09 52598859
Born 25.03.2018

aAa **564132** Pigm.: 39%

HERZSCHLAG — HUTERA / LEONIE
LORE 3/2 10303 4,68 482 3,94 406 — **INCREDIBLE PP*** LORA 2 PS — **EVEREST**

Udder | **Fat-%** | **Calving ease**

A1A2 | AB | progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 120** 92%

MILK INDEX (D: 283, H: 200) **MI 118** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+648	+0,10	+36	-0,04	+20

BEEF PERFORMANCE **BI 117** 97%

Daily net gain	Carcass percentage	Carcass grade
120	109	112

FUNCTIONAL TRAITS **FIT 96** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
113	98	100	101	116	93	92	103	117

Daughter of Heartbeat PS

LINEAR DESCRIPTION 112 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Muscling	**99**		
Feet & Legs	**103**		
Udder	**117**		
Height at cross	98	small	large
Body length	104	short	long
Rump width	106	narrow	wide
Body depth	101	shallow	deep
Rump angle	105	ascending	sloped
Hock angularity	99	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	107	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	123	short	long
Rear udder length	104	short	long
Fore udder att.	118	loose	tight
Susp. ligament	109	weak	strong
Udder depth	105	deep	high
Teat length	97	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Regent

HB No. 10/854298
LOM DE 09 532 25984
Born 16.02.2018

Pigm.: 35%

REMMEL — RICKI / STEREO
EMMA 2/2 11391 4,09 466 3,82 436 — **EVEREST** ESMA 5/5 10697 4,01 429 3,62 387 — **ZAUBER**

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

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 120** 87%

MILK INDEX (D: 63, H: 56) **MI 113** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+537	-0,02	+21	-0,01	+18

BEEF PERFORMANCE **BI 102** 92%

Daily net gain	Carcass percentage	Carcass grade
106	99	101

FUNCTIONAL TRAITS **FIT 111** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	111	93	104	96	109	111	105	114

693, daughter of Regent

LINEAR DESCRIPTION 46 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Muscling	**102**		
Feet & Legs	**100**		
Udder	**108**		
Height at cross	97	small	large
Body length	103	short	long
Rump width	103	narrow	wide
Body depth	103	shallow	deep
Rump angle	92	ascending	sloped
Hock angularity	90	straight	sickled
Hock develop.	89	swollen	dry
Pasterns	105	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	116	short	long
Rear udder length	107	short	long
Fore udder att.	101	loose	tight
Susp. ligament	107	weak	strong
Udder depth	97	deep	high
Teat length	98	short	long
Teat thickness	111	thin	thick
Teat placem. (front)	122	wide	close
Teat placem. (rear)	114	wide	close
Teat direction (rear)	112	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Herzau

HB No. 10/427054
LOM DE 08 16772010
Born 07.03.2017

Pigm.: 36%

HERZSCHLAG — HUTERA / LEONIE
FLORENZ 3/3 8125 4,06 330 3,58 291 — **ROTGLUT** FLEUR 7/7 9887 4,15 411 3,53 349 — **IDIOM**

Milk | **Udder** | **Persistency**

A1A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 119** 98%

MILK INDEX (D: 2362, H: 1054) **MI 121** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1084	-0,13	+33	-0,12	+28

BEEF PERFORMANCE **BI 106** 99%

Daily net gain	Carcass percentage	Carcass grade
118	96	106

FUNCTIONAL TRAITS **FIT 96** 98%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
121	92	111	104	104	99	96	88	117

Winni, daughter of Herzau

LINEAR DESCRIPTION 1027 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**96**		
Feet & Legs	**110**		
Udder	**109**		
Height at cross	104	small	large
Body length	111	short	long
Rump width	112	narrow	wide
Body depth	99	shallow	deep
Rump angle	96	ascending	sloped
Hock angularity	92	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	108	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	106	short	long
Fore udder att.	105	loose	tight
Susp. ligament	98	weak	strong
Udder depth	103	deep	high
Teat length	85	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	102	add. teats	clean udder

progeny tested

progeny tested

Elstar

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

aAa **564132** Pigm.: 39%

ETOSCHA — EVEREST MINA
REWANA 4/3 10552 4,38 462 3,59 378 — **WILLIAMS** REXANA 2/1 9874 5,16 509 3,68 364 — **RAFFZAHN**

Milk **Udder** **Beef**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 119** 88%

MILK INDEX (D: 60, H: 49) **MI 111** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+646	-0,16	+13	-0,05	+19

BEEF PERFORMANCE **BI 113** 89%

Daily net gain	Carcass percentage	Carcass grade
116	110	106

FUNCTIONAL TRAITS **FIT 105** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	113	88	106	114	106	98	103	117

Elisa, daughter of Elstar

LINEAR DESCRIPTION 41 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**115**		
Muscling	**99**		
Feet & Legs	**115**		
Udder	**115**		
Height at cross	115	small	large
Body length	117	short	long
Rump width	109	narrow	wide
Body depth	107	shallow	deep
Rump angle	117	ascending	sloped
Hock angularity	101	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	114	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	109	weak	strong
Udder depth	110	deep	high
Teat length	90	short	long
Teat thickness	111	thin	thick
Teat placem. (front)	118	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Horaz

HB No. 10/427082
LOM DE 08 17127243
Born 04.04.2018

Pigm.: 44%

HUTILL — HUTERA WELLE
ODESA 4/4 8831 3,76 332 3,37 298 — **ROYAL** OTAWA 3/2 8647 3,67 318 3,27 283 — **VANEL**

Udder **Feet & Legs** **Longevity**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 117** 88%

MILK INDEX (D: 112, H: 69) **MI 116** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+732	-0,02	+28	-0,07	+19

BEEF PERFORMANCE **BI 102** 93%

Daily net gain	Carcass percentage	Carcass grade
98	102	104

FUNCTIONAL TRAITS **FIT 102** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	104	99	111	98	105	95	94	117

LINEAR DESCRIPTION 50 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Muscling	**99**		
Feet & Legs	**115**		
Udder	**121**		
Height at cross	108	small	large
Body length	107	short	long
Rump width	107	narrow	wide
Body depth	99	shallow	deep
Rump angle	90	ascending	sloped
Hock angularity	90	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	116	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	103	short	long
Rear udder length	111	short	long
Fore udder att.	105	loose	tight
Susp. ligament	116	weak	strong
Udder depth	111	deep	high
Teat length	82	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	117	wide	close
Teat placem. (rear)	114	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Dream

HB No. 10/606266
LOM AT 35 3547 428
Born 24.03.2016

aAa **345216** Pigm.: 64%

DAX — DELL / ROMVANY
LENA 3/3 10868 4,28 465 3,68 400 — **EVEREST** LIESI 5/4 9311 4,45 414 3,96 369 — **GS WILHELM**

Dual Purpose | **Milking speed** | **Type**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 114** 97%

MILK INDEX (D: 951, H: 500) **MI 116** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+559	+0,00	+23	+0,04	+23

BEEF PERFORMANCE **BI 119** 99%

Daily net gain	Carcass percentage	Carcass grade
124	111	113

FUNCTIONAL TRAITS **FIT 89** 97%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	94	82	88	93	105	97	94	104

Rebecca, daughter of Dream

LINEAR DESCRIPTION 313 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**110**		
Muscling	**106**		
Feet & Legs	**107**		
Udder	**107**		
Height at cross	106	small	large
Body length	115	short	long
Rump width	113	narrow	wide
Body depth	110	shallow	deep
Rump angle	109	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	108	swollen	dry
Pasterns	99	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	112	short	long
Rear udder length	114	short	long
Fore udder att.	104	loose	tight
Susp. ligament	105	weak	strong
Udder depth	94	deep	high
Teat length	100	short	long
Teat thickness	114	thin	thick
Teat placem. (front)	121	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Wertheim

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

Pigm.: 36%

GS WERTVOLL — WILLIAMS / REXANA
LAMORE 2/2 7542 4,00 302 3,51 265 — **WATT** LARANA 5/5 8471 4,43 375 3,28 278 — **REUMUT**

Milk | **Udder health** | **Udder**

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2023) **TMI 114** 89%

MILK INDEX (D: 60, H: 47) **MI 112** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+616	-0,03	+23	-0,11	+13

BEEF PERFORMANCE **BI 91** 89%

Daily net gain	Carcass percentage	Carcass grade
94	89	97

FUNCTIONAL TRAITS **FIT 108** 89%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	114	109	104	101	112	98	100	116

Daughter of Wertheim

LINEAR DESCRIPTION 43 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**111**		
Muscling	**110**		
Feet & Legs	**97**		
Udder	**113**		
Height at cross	108	small	large
Body length	112	short	long
Rump width	116	narrow	wide
Body depth	110	shallow	deep
Rump angle	106	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	81	swollen	dry
Pasterns	111	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	96	short	long
Rear udder length	108	short	long
Fore udder att.	113	loose	tight
Susp. ligament	110	weak	strong
Udder depth	106	deep	high
Teat length	111	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	117	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	105	add. teats	clean udder

progeny tested

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	Holstein F2/F3	RB	J
31	Dream	A2A2	345216	**114**	104	116	+559	0,00	0,04	46	119	89	93	98	108	110	106	107	107				
25	Edelstein	A1A2	462513	**124**	128	105	+36	0,01	0,12	13	107	121	106	108	103	109	105	114	131	x			
26	Einmalig	A2A2		**123**	121	116	+652	-0,15	0,09	45	117	103	113	98	98	106	86	98	113				
16	Elevation	A1A2	564132	**128**	126	109	+870	-0,37	-0,13	22	107	125	98	126	86	109	110	109	115		x	x	
11	Elsando	A1A2		**132**	129	107	+662	-0,31	-0,06	18	117	126	107	125	93	104	102	104	115		x	x	
30	Elstar	A1A2	564132	**119**	117	111	+646	-0,16	-0,05	32	113	105	114	112	106	115	99	115	115		x	x	x
10	Exklusiv	A1A2	345216	**132**	120	118	+569	0,15	-0,02	65	109	116	106	111	92	86	99	109	114	x			
16	Happyday	A2A2	516432	**127**	125	122	+1264	-0,25	-0,12	63	103	106	99	115	104	97	88	119	109		x	x	
12	Hazienda	A2A2	456231	**131**	127	118	+612	0,03	0,03	53	117	112	106	110	96	90	95	109	109	x			
28	Heartbeat P*S	A1A2	564132	**120**	117	118	+648	0,10	-0,04	56	117	96	116	99	113	101	99	103	117			x	
17	Helfgott	A1A2		**127**	126	114	+733	-0,17	-0,01	40	106	115	112	106	111	99	93	115	107				
29	Herzau	A1A2		**119**	117	121	+1084	-0,13	-0,12	61	106	96	104	88	121	106	96	110	109			x	
20	Herzfeuer	A1A1	651423	**125**	121	128	+1329	-0,05	-0,16	38	105	96	115	101	109	108	79	115	119				
28	Herzpochen	A1A1	516342	**121**	117	115	+441	0,13	0,02	47	118	98	110	98	118	107	126	102	113	x		x	x
27	Hilfinger	A2A2	423651	**122**	115	120	+814	-0,11	0,06	58	114	97	104	101	101	114	94	107	120		x	x	
9	Hokuspokus	A2A2	531462	**134**	128	120	+407	0,14	0,16	58	108	115	108	113	101	110	99	113	125	x	x	x	x
30	Horaz	A1A2		**117**	117	116	+732	-0,02	-0,07	47	102	102	98	101	104	107	99	115	121		x	x	
26	Hotrave	A2A2	423561	**123**	123	111	+552	-0,01	-0,11	32	108	116	102	116	95	105	99	104	120	x			x
19	Hugomint	A1A1		**126**	125	110	+564	-0,04	-0,12	29	106	120	87	126	112	100	96	109	115				
25	Huraxdax	A2A2		**123**	121	124	+1298	-0,20	-0,13	69	104	99	102	96	117	111	97	111	111		x		
22	Hutland Pp*	A1A1	435261	**124**	120	123	+830	0,07	-0,03	67	107	103	94	115	102	107	99	100	117				x
24	Imperial	A2A2		**124**	122	112	+462	-0,07	0,05	34	116	109	104	105	105	105	92	100	120	x			
27	Manolo Pp*	A2A2	324615	**123**	123	107	+664	-0,31	-0,07	18	114	115	113	119	86	115	111	131	110	x	x	x	x
12	McGyver	A1A2	423516	**131**	133	117	+826	-0,01	-0,12	52	109	117	107	119	102	110	90	120	126		x		
18	Memphis	A2A2		**126**	122	115	+1182	-0,28	-0,22	44	97	117	97	117	111	110	102	110	115		x	x	
13	Minor	A2A2	435216	**130**	124	111	+221	0,03	0,13	31	100	126	111	131	86	95	97	117	114	x			
21	Mirror	A2A2	546312	**125**	117	118	+112	0,42	0,14	55	102	112	105	100	103	100	107	106	113	x			
8	Monopoly P*S	A2A2	543612	**138**	134	122	+1049	-0,20	-0,01	61	120	114	100	112	87	110	109	112	113	x	x	x	x
23	Mylife Pp*	A2A2	456321	**124**	117	116	+750	-0,11	-0,04	45	115	104	99	101	105	111	120	99	119	x	x	x	x
14	Percussion	A1A1	516342	**129**	123	118	+483	0,04	0,14	52	105	114	101	103	102	94	90	103	101				
29	Regent	A1A2		**120**	114	113	+537	-0,02	-0,01	39	102	111	96	108	97	100	102	100	108				
21	Roy	A1A2		**125**	119	118	+862	-0,06	-0,09	53	118	102	99	105	122	114	104	104	107		x	x	x
20	Sehrgut	A2A2	516432	**125**	120	120	+995	-0,19	-0,03	57	100	107	109	121	101	92	92	103	109		x		
22	Sido	A2A2	543621	**125**	124	110	+598	-0,05	-0,12	31	114	114	103	126	119	114	103	102	120	x			
19	Sisyphus	A2A2	435261	**126**	121	111	+143	0,25	0,05	36	114	111	113	113	121	89	114	101	121	x			x
24	Verhaag	A2A2		**124**	121	114	+572	0,00	-0,02	42	105	112	108	97	108	104	99	102	113	x			x
23	Villabacho	A1A2		**124**	127	115	+374	0,23	-0,03	46	99	115	96	97	115	103	91	114	130				
15	Villeroy	A1A1	423651	**128**	126	111	+520	-0,14	0,02	31	117	114	99	101	111	91	96	110	113	x			
15	Vlaturo	A2A2	564123	**128**	127	121	+104	0,56	0,14	65	103	110	109	109	105	112	104	111	112	x			
14	Wang	A1A2	543162	**129**	121	123	+1197	-0,04	-0,22	68	108	108	96	122	98	107	114	102	106		x	x	
13	Wasmeier	A2A2	243615	**131**	127	113	+979	-0,23	-0,20	37	104	124	101	121	110	111	94	110	101				
10	Weitblick	A1A2	423561	**133**	130	117	+872	-0,20	-0,03	47	115	114	104	107	103	95	90	111	100		x		
31	Wertheim	A2A2		**114**	116	112	+616	-0,03	-0,11	36	91	108	101	118	112	111	110	97	113	x		x	x
18	Wettiner	A1A1	546312	**126**	126	112	+523	-0,05	-0,02	35	95	122	92	123	107	99	113	93	110				
17	Windspiel	A2A2		**127**	126	113	+655	-0,11	-0,04	37	110	115	94	118	98	105	126	102	121	x			
11	Zazu	A1A1	534162	**132**	126	115	+495	0,02	0,05	44	119	113	82	121	101	93	102	107	98				
8	Zeiger	A1A1	564132	**143**	139	117	+712	0,05	-0,08	53	123	126	91	133	98	98	102	99	109	x	x	x	
9	Zubringer	A1A1	546132	**137**	130	129	+1266	-0,02	-0,12	85	113	107	88	117	119	95	103	110	107				

KK = Cappa Casein, **BK** = Beta Casein; **aAa** = Triple-A code - more information on 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

Heiss

HB No. 10/881855
LOM DE 09 57165910
Born 14.07.2021

aAa **543261**

HASHTAG — HAYABUSA / MAXIMA
ROMVELL 5/4 11568 4,31 498 3,59 416 — **DELL** / ROMVANY 3/2 10767 4,49 483 3,33 359 — **VANSTEIN**

All-round sire | **Udder** | **Longevity**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 149** 76%

MILK INDEX **MI 128** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1239	-0,13	+40	-0,05	+39

BEEF PERFORMANCE **BI 123** 76%

Daily net gain	Carcass percentage	Carcass grade
117	128	108

FUNCTIONAL TRAITS **FIT 122** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
124	111	106	130	107	108	108	106	147

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**99**		
Muscling	**104**		
Feet & Legs	**111**		
Udder	**125**		
Height at cross	102	small	large
Body length	100	short	long
Rump width	97	narrow	wide
Body depth	94	shallow	deep
Rump angle	91	ascending	sloped
Hock angularity	93	straight	sickled
Hock develop.	111	swollen	dry
Pasterns	101	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	105	short	long
Fore udder att.	113	loose	tight
Susp. ligament	111	weak	strong
Udder depth	116	deep	high
Teat length	87	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	117	wide	close
Teat placem. (rear)	118	wide	close
Teat direction (rear)	119	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Eintracht

HB No. 10/855595
LOM DE 09 57626415
Born 15.07.2022

EPIK — EDELSTEIN / BEATRIX
FERRERO 1/1 9199 5,00 460 3,34 307 — **MIDWEST** / FILA 3/3 11480 4,50 517 3,42 393 — **MANDRIN**

Milk | **Components** | **Udder health**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 148** 74%

MILK INDEX **MI 137** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+931	+0,34	+70	+0,05	+38

BEEF PERFORMANCE **BI 113** 71%

Daily net gain	Carcass percentage	Carcass grade
116	109	109

FUNCTIONAL TRAITS **FIT 117** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
126	120	97	111	103	100	106	117	136

Ferrero, dam of Eintracht

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**95**		
Muscling	**99**		
Feet & Legs	**96**		
Udder	**116**		
Height at cross	93	small	large
Body length	95	short	long
Rump width	99	narrow	wide
Body depth	94	shallow	deep
Rump angle	103	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	100	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	113	short	long
Rear udder length	100	short	long
Fore udder att.	113	loose	tight
Susp. ligament	104	weak	strong
Udder depth	109	deep	high
Teat length	100	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	97	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	98	add. teats	clean udder

genomic

genomic

Hatwas

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

HASHTAG
- HAYABUSA
- MAXIMA

0002752 Pp*
4/3 7741 5,13 397 3,81 295
- **MAHANGO Pp***
  82547
  3/3 8137 5,28 430 3,87 315
- **ZAUBER**

Components	Fitness	Frame

A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 147** 75%

MILK INDEX **MI 137** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1026	+0,17	+58	+0,12	+48

BEEF PERFORMANCE **BI 118** 74%

Daily net gain	Carcass percentage	Carcass grade
123	113	110

FUNCTIONAL TRAITS **FIT 114** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
113	106	100	112	108	108	113	102	136

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**119**		
Muscling	**102**		
Feet & Legs	**110**		
Udder	**101**		
Height at cross	125	small	large
Body length	113	short	long
Rump width	108	narrow	wide
Body depth	110	shallow	deep
Rump angle	115	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	108	swollen	dry
Pasterns	104	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	108	short	long
Fore udder att.	99	loose	tight
Susp. ligament	100	weak	strong
Udder depth	105	deep	high
Teat length	96	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	78	wide	close
Teat placem. (rear)	90	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Mangan P*S

HB No. 10/866160
LOM DE 09 58058835
Born 28.06.2022

MONOPOLY P*S
- MANOLO Pp*
- GOLKA

JOHANNA
2/1 9577 4,17 399 3,38 324
- **SISYPHUS**
  JULCHEN
  4/4 10082 4,65 469 3,67 370
- **HUTERA**

Milk	Fitness	Feet & Legs

A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 147** 77%

MILK INDEX **MI 135** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1492	-0,17	+46	-0,02	+52

BEEF PERFORMANCE **BI 112** 74%

Daily net gain	Carcass percentage	Carcass grade
108	111	107

FUNCTIONAL TRAITS **FIT 120** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	112	106	123	109	108	108	110	138

Johanna, dam of Mangan PS, 2nd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Muscling	**103**		
Feet & Legs	**116**		
Udder	**106**		
Height at cross	106	small	large
Body length	106	short	long
Rump width	101	narrow	wide
Body depth	106	shallow	deep
Rump angle	103	ascending	sloped
Hock angularity	102	straight	sickled
Hock develop.	113	swollen	dry
Pasterns	106	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	107	short	long
Rear udder length	104	short	long
Fore udder att.	104	loose	tight
Susp. ligament	102	weak	strong
Udder depth	99	deep	high
Teat length	106	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	94	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Haix

HB No. 10/871520
LOM DE 09 57083541
Born 11.11.2021

aAa **561432**

HASHTAG — HAYABUSA / MAXIMA
HERZAL 2/1 9992 4,47 447 3,86 386 — **WEISSENSEE** / HERZ 3/3 9170 4,99 458 3,77 345 — **HERZSCHLAG**

Udder | **Dual purpose** | **Milking speed**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 145** 75%

MILK INDEX **MI 126** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+764	+0,20	+50	+0,01	+28

BEEF PERFORMANCE **BI 125** 75%

Daily net gain	Carcass percentage	Carcass grade
118	126	113

FUNCTIONAL TRAITS **FIT 120** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	118	101	115	109	104	112	110	137

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**89**		
Muscling	**99**		
Feet & Legs	**101**		
Udder	**113**		
Height at cross	90	small	large
Body length	92	short	long
Rump width	88	narrow	wide
Body depth	86	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	99	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	107	short	long
Fore udder att.	108	loose	tight
Susp. ligament	108	weak	strong
Udder depth	108	deep	high
Teat length	94	short	long
Teat thickness	91	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Hayward

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

aAa **432561**

HASHTAG — HAYABUSA / MAXIMA
NALA 2/1 9714 4,38 425 3,65 355 — **WABAN** / NIZZA 4/4 9225 4,03 372 3,74 345 — **MANIGO**

Milk | **Fitness** | **Feet & Legs**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 144** 75%

MILK INDEX **MI 131** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1235	-0,09	+44	+0,00	+44

BEEF PERFORMANCE **BI 117** 76%

Daily net gain	Carcass percentage	Carcass grade
118	116	108

FUNCTIONAL TRAITS **FIT 118** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	120	105	115	115	104	104	111	136

Nala, dam of Hayward

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Muscling	**101**		
Feet & Legs	**107**		
Udder	**108**		
Height at cross	111	small	large
Body length	103	short	long
Rump width	100	narrow	wide
Body depth	98	shallow	deep
Rump angle	98	ascending	sloped
Hock angularity	92	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	101	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	91	short	long
Rear udder length	112	short	long
Fore udder att.	98	loose	tight
Susp. ligament	104	weak	strong
Udder depth	115	deep	high
Teat length	108	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	97	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	103	add. teats	clean udder

genomic

genomic

Skidoo

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

aAa **465231**

SISYPHUS — SYMPOSIUM / HILLARY
NAPOLI 1/1 10180 4,43 451 3,29 335 — **HAYABUSA** / NIZZA 1/1 8780 4,53 398 3,51 308 — **HUMPERT**

Fat-% | **Dual purpose** | **Fitness**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 144** 79%

MILK INDEX **MI 127** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+941	+0,13	+51	-0,05	+29

BEEF PERFORMANCE **BI 120** 76%

Daily net gain	Carcass percentage	Carcass grade
114	116	116

FUNCTIONAL TRAITS **FIT 120** 83%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
113	112	99	114	113	108	118	107	134

Napoli, dam of Skidoo

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**97**		
Muscling	**109**		
Feet & Legs	**107**		
Udder	**108**		
Height at cross	99	small	large
Body length	97	short	long
Rump width	99	narrow	wide
Body depth	97	shallow	deep
Rump angle	99	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	106	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	102	short	long
Rear udder length	101	short	long
Fore udder att.	116	loose	tight
Susp. ligament	96	weak	strong
Udder depth	105	deep	high
Teat length	100	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	93	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	95	add. teats	clean udder

William

HB No. 10/880137
LOM DE 09 56988347
Born 06.02.2022

aAa **546312**

WETTINER — WABAN / MARINA
IDA 1/1 11097 4,06 450 4,12 457 — **IMPERATIV** / ILAHMI 4/3 10526 3,46 364 3,56 375 — **MINT**

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

A1A1
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 144** 77%

MILK INDEX **MI 123** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+935	-0,10	+30	+0,02	+35

BEEF PERFORMANCE **BI 106** 76%

Daily net gain	Carcass percentage	Carcass grade
105	101	108

FUNCTIONAL TRAITS **FIT 132** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
95	133	107	131	101	110	108	115	139

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**98**		
Muscling	**108**		
Feet & Legs	**107**		
Udder	**106**		
Height at cross	99	small	large
Body length	94	short	long
Rump width	96	narrow	wide
Body depth	106	shallow	deep
Rump angle	88	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	100	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	99	short	long
Rear udder length	100	short	long
Fore udder att.	107	loose	tight
Susp. ligament	110	weak	strong
Udder depth	106	deep	high
Teat length	111	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	87	wide	close
Teat placem. (rear)	92	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Sunstar

HB No. 10/861360
LOM DE 09 57212635
Born 08.12.2021

SUNRISE
415
2/1 9185 4,21 387 3,42 314
SISYPHUS
KUBA
HURAXDAX
286
3/3 11254 4,28 481 3,62 408
WATTMEER

Milk **Beef** **Central ligament**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 143** 77%

MILK INDEX **MI 134** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1582	-0,16	+50	-0,10	+47

BEEF PERFORMANCE **BI 117** 75%

Daily net gain	Carcass percentage	Carcass grade
120	104	118

FUNCTIONAL TRAITS **FIT 110** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
117	103	117	105	102	110	105	103	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Muscling	**110**		
Feet & Legs	**93**		
Udder	**106**		
Height at cross	111	small	large
Body length	108	short	long
Rump width	111	narrow	wide
Body depth	110	shallow	deep
Rump angle	109	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	84	swollen	dry
Pasterns	106	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	109	short	long
Fore udder att.	100	loose	tight
Susp. ligament	114	weak	strong
Udder depth	89	deep	high
Teat length	96	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	116	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Hotrain

HB No. 10/880292
LOM DE 09 57969784
Born 11.05.2022

HIROTO
RARITAE
1/1 10954 4,67 512 3,52 386
HERMELIN
LILLIBETH
WEITBLICK
RADDIX
3/2 13430 4,69 630 3,42 460
IMPERATIV

Milk **Fitness** **Feet & Legs**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 143** 74%

MILK INDEX **MI 133** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1374	-0,08	+50	-0,06	+43

BEEF PERFORMANCE **BI 111** 70%

Daily net gain	Carcass percentage	Carcass grade
110	111	105

FUNCTIONAL TRAITS **FIT 118** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	113	97	120	97	108	112	102	135

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**116**		
Muscling	**105**		
Feet & Legs	**113**		
Udder	**119**		
Height at cross	120	small	large
Body length	110	short	long
Rump width	110	narrow	wide
Body depth	109	shallow	deep
Rump angle	98	ascending	sloped
Hock angularity	86	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	105	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	111	short	long
Fore udder att.	109	loose	tight
Susp. ligament	113	weak	strong
Udder depth	109	deep	high
Teat length	101	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	118	wide	close
Teat direction (rear)	118	outwards	inwards
Udder cleanness	101	add. teats	clean udder

genomic

genomic

Iko

HB No. 10/866157
LOM DE0958060475
Born 21.05.2022

IQ P*S
- IRREGUT P*S
- EPOCHE

WIESEL
200 T. 6663 4,04 269 3,38 225
- **HEXAGON**
  - BW 1071
  - 2/2 9573 3,40 326 3,41 327
- **WOBBLER**

Milk | **Milking speed** | **Udder length**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 143** 73%

MILK INDEX **MI 132** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1271	-0,04	+49	-0,05	+40

BEEF PERFORMANCE **BI 113** 70%

Daily net gain	Carcass percentage	Carcass grade
109	110	110

FUNCTIONAL TRAITS **FIT 117** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
121	115	109	113	105	107	105	108	138

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Muscling	**107**		
Feet & Legs	**103**		
Udder	**113**		
Height at cross	106	small	large
Body length	103	short	long
Rump width	102	narrow	wide
Body depth	96	shallow	deep
Rump angle	113	ascending	sloped
Hock angularity	110	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	101	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	109	short	long
Rear udder length	96	short	long
Fore udder att.	109	loose	tight
Susp. ligament	97	weak	strong
Udder depth	111	deep	high
Teat length	110	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Marmaris

HB No. 10/866133
LOM DE 09 57255912
Born 03.09.2021

aAa **456321**

METER Pp*
- MAESTRO Pp*
- 958

JOHANNA
2/1 9577 4,17 399 3,38 324
- **SISYPHUS**
  - JULCHEN
  - 4/4 10082 4,65 469 3,67 370
- **HUTERA**

Milk | **Beef** | **Fertility**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 143** 74%

MILK INDEX **MI 129** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1228	-0,05	+46	-0,08	+37

BEEF PERFORMANCE **BI 115** 72%

Daily net gain	Carcass percentage	Carcass grade
117	112	109

FUNCTIONAL TRAITS **FIT 120** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
113	109	104	117	104	108	118	99	136

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Muscling	**96**		
Feet & Legs	**104**		
Udder	**117**		
Height at cross	104	small	large
Body length	106	short	long
Rump width	102	narrow	wide
Body depth	100	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	101	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	104	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	110	short	long
Rear udder length	107	short	long
Fore udder att.	110	loose	tight
Susp. ligament	112	weak	strong
Udder depth	103	deep	high
Teat length	93	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	118	outwards	inwards
Udder cleanness	101	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Wyatt

HB No. 10/427162
LOM DE 08 17899478
Born 12.12.2021

WUNDERLING — WEISSENSEE HERA
EVI 4/3 8987 4,08 367 3,63 326 — **HUTORIO** EVI 3/3 7752 4,30 333 3,96 307 — **WIKINGER**

Components | **Fitness** | **Central ligament**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 143** 73%

MILK INDEX **MI 128** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+892	+0,12	+48	+0,01	+33

BEEF PERFORMANCE **BI 110** 70%

Daily net gain	Carcass percentage	Carcass grade
109	108	106

FUNCTIONAL TRAITS **FIT 125** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	125	105	116	98	108	114	107	135

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Muscling	**104**		
Feet & Legs	**104**		
Udder	**111**		
Height at cross	113	small	large
Body length	110	short	long
Rump width	107	narrow	wide
Body depth	108	shallow	deep
Rump angle	108	ascending	sloped
Hock angularity	109	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	102	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	102	short	long
Rear udder length	99	short	long
Fore udder att.	100	loose	tight
Susp. ligament	116	weak	strong
Udder depth	108	deep	high
Teat length	101	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	94	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Easylover

HB No. 10/664646
LOM DE 06 67791730
Born 12.10.2021

EASY — ETHOS KEWANA
ELENOR 200T 5797 4,93 286 3,38 196 — **HERMELIN** EVELIS GP83 3/3 11762 4,57 537 3,55 417 — **POLAROID**

Morphology | **Dual purpose** | **Longevity**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 143** 75%

MILK INDEX **MI 127** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1228	-0,11	+41	-0,09	+35

BEEF PERFORMANCE **BI 118** 74%

Daily net gain	Carcass percentage	Carcass grade
116	117	110

FUNCTIONAL TRAITS **FIT 121** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	118	107	117	98	110	115	95	138

Elenor, dam of Easylover

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Muscling	**108**		
Feet & Legs	**101**		
Udder	**113**		
Height at cross	110	small	large
Body length	108	short	long
Rump width	113	narrow	wide
Body depth	104	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	112	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	106	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	92	short	long
Rear udder length	88	short	long
Fore udder att.	111	loose	tight
Susp. ligament	114	weak	strong
Udder depth	120	deep	high
Teat length	101	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	93	wide	close
Teat direction (rear)	87	outwards	inwards
Udder cleanness	102	add. teats	clean udder

genomic

genomic

Miracle Pp*

HB No. 10/880002
LOM DE 09 56988313
Born 15.11.2021

aAa **564132**

MAJESTIX P*S
- MAJESTAET PP*
- BEATRIX Pp*

INFINIT
100 T. 4070 5,06 206 3,02 123
- **WELTMACHT**
  - IDA
  - 1/1 11097 4,06 450 4,12 457
- **IMPERATIV**

Udder	Milk-kg	Longevity

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 142** 74%

MILK INDEX **MI 125** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1063	-0,05	+40	-0,08	+31

BEEF PERFORMANCE **BI 114** 72%

Daily net gain	Carcass percentage	Carcass grade
117	110	107

FUNCTIONAL TRAITS **FIT 126** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
95	122	102	125	103	104	114	109	140

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Muscling	**104**		
Feet & Legs	**112**		
Udder	**121**		
Height at cross	102	small	large
Body length	103	short	long
Rump width	102	narrow	wide
Body depth	96	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	113	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	107	short	long
Rear udder length	98	short	long
Fore udder att.	108	loose	tight
Susp. ligament	109	weak	strong
Udder depth	118	deep	high
Teat length	93	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	114	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Venedig

HB No. 10/866149
LOM DE 09 57054582
Born 30.01.2022

VIRGINIA
- VILLEROY
- FAMOSA

HEIDI
2/1 9177 4,17 383 3,65 335
- **PASCAL**
  - HONNY
  - 3/3 8461 3,81 322 3,71 314
- **MONUMENTAL**

Protein	Frame	Persistency

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 141** 74%

MILK INDEX **MI 133** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1186	-0,05	+45	+0,05	+47

BEEF PERFORMANCE **BI 110** 72%

Daily net gain	Carcass percentage	Carcass grade
114	107	106

FUNCTIONAL TRAITS **FIT 116** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	108	110	105	105	106	114	109	134

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**117**		
Muscling	**105**		
Feet & Legs	**106**		
Udder	**106**		
Height at cross	117	small	large
Body length	112	short	long
Rump width	112	narrow	wide
Body depth	117	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	101	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	102	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	117	short	long
Rear udder length	106	short	long
Fore udder att.	103	loose	tight
Susp. ligament	103	weak	strong
Udder depth	99	deep	high
Teat length	117	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Wildwechsel

HB No. 10/861404
LOM DE 09 57393652
Born 10.04.2022

WARLOCK — WEISSENSEE GUDERA
SALLY 1/1 10169 4,04 411 3,35 341 — **HERMELIN** SALLY — **MIRACULIX**

Milk | **Fitness** | **Feet & Legs**

A1A1
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 141** 75%

MILK INDEX **MI 130** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1437	-0,20	+41	-0,08	+43

BEEF PERFORMANCE **BI 107** 72%

Daily net gain	Carcass percentage	Carcass grade
111	109	100

FUNCTIONAL TRAITS **FIT 116** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
119	115	104	117	108	102	103	110	135

Sally, dam of Wildwechsel

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**116**		
Muscling	**93**		
Feet & Legs	**108**		
Udder	**120**		
Height at cross	122	small	large
Body length	112	short	long
Rump width	99	narrow	wide
Body depth	112	shallow	deep
Rump angle	109	ascending	sloped
Hock angularity	90	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	105	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	109	short	long
Rear udder length	111	short	long
Fore udder att.	106	loose	tight
Susp. ligament	115	weak	strong
Udder depth	117	deep	high
Teat length	101	short	long
Teat thickness	91	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	114	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Sunshine

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

aAa **543612**

SISYPHUS — SYMPOSIUM HILLARY
LIVIA 4/2 9350 4,94 462 3,57 334 — **WABAN** LILLI — **IVAN**

Fitness | **Components** | **Fertility**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 141** 80%

MILK INDEX **MI 127** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+485	+0,34	+50	+0,13	+28

BEEF PERFORMANCE **BI 109** 79%

Daily net gain	Carcass percentage	Carcass grade
101	109	108

FUNCTIONAL TRAITS **FIT 121** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
119	108	109	117	109	104	114	115	134

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**96**		
Muscling	**105**		
Feet & Legs	**100**		
Udder	**106**		
Height at cross	98	small	large
Body length	95	short	long
Rump width	97	narrow	wide
Body depth	95	shallow	deep
Rump angle	105	ascending	sloped
Hock angularity	105	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	95	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	95	short	long
Rear udder length	101	short	long
Fore udder att.	105	loose	tight
Susp. ligament	107	weak	strong
Udder depth	106	deep	high
Teat length	96	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	101	add. teats	clean udder

genomic

genomic

Hainolo

HB No. 10/866144
LOM DE09 56564111
Born 06.10.2021

HAITI
HAYABUSA
MAXIMA

37191
3/2 7920 4,98 395 3,92 311

MANOLO Pp*
47766

VORWERK

Milk **Beef** **Fitness**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 141** 73%

MILK INDEX **MI 124** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1092	-0,12	+35	-0,06	+33

BEEF PERFORMANCE **BI 116** 73%

Daily net gain	Carcass percentage	Carcass grade
116	117	104

FUNCTIONAL TRAITS **FIT 124** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	114	97	119	117	101	121	110	137

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Muscling	**99**		
Feet & Legs	**107**		
Udder	**107**		
Height at cross	106	small	large
Body length	105	short	long
Rump width	99	narrow	wide
Body depth	105	shallow	deep
Rump angle	106	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	106	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	111	short	long
Rear udder length	113	short	long
Fore udder att.	101	loose	tight
Susp. ligament	92	weak	strong
Udder depth	106	deep	high
Teat length	101	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	95	wide	close
Teat placem. (rear)	93	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	94	add. teats	clean udder

Zelda

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

aAa **234165**

ZEIGER
ZAZU
LAMERA

IVANA 83
2/1 7597 4,77 363 4,11 312

HILFINGER
INKA 55 Pp*
4/3 10044 5,10 512 3,82 384

MAHANGO Pp*

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

A1A2
BB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 141** 76%

MILK INDEX **MI 123** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+805	+0,02	+36	+0,03	+31

BEEF PERFORMANCE **BI 117** 76%

Daily net gain	Carcass percentage	Carcass grade
113	122	104

FUNCTIONAL TRAITS **FIT 123** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	121	108	114	106	105	116	104	134

Inka Pp, granddam of Zelda

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Muscling	**103**		
Feet & Legs	**101**		
Udder	**115**		
Height at cross	102	small	large
Body length	101	short	long
Rump width	103	narrow	wide
Body depth	99	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	102	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	95	weak	strong
Foot angle	98	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	112	short	long
Fore udder att.	106	loose	tight
Susp. ligament	109	weak	strong
Udder depth	107	deep	high
Teat length	102	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	97	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Sonic1

HB No. 10/881864
LOM DE 09 57345739
Born 26.09.2021

aAa **561432**

SUNRISE — SISYPHUS / KUBA
GRADITA 1/1 7799 4,51 352 3,85 300 — **HOKUSPOKUS** GALINA 1/1 7028 3,94 277 3,59 252 — **IDEFIX P*S**

Longevity | **Udder health** | **Fertility**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 141** 76%

MILK INDEX **MI 123** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+905	-0,03	+35	-0,01	+32

BEEF PERFORMANCE **BI 112** 73%

Daily net gain	Carcass percentage	Carcass grade
114	108	108

FUNCTIONAL TRAITS **FIT 125** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	123	109	118	111	106	113	109	136

Gradita, dam of Sonic1

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Muscling	**98**		
Feet & Legs	**104**		
Udder	**117**		
Height at cross	108	small	large
Body length	106	short	long
Rump width	108	narrow	wide
Body depth	106	shallow	deep
Rump angle	92	ascending	sloped
Hock angularity	101	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	100	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	104	short	long
Fore udder att.	113	loose	tight
Susp. ligament	101	weak	strong
Udder depth	116	deep	high
Teat length	94	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	97	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Weithin

HB No. 10/881961
LOM DE 09 57636492
Born 06.11.2021

aAa **423651**

WEIDWERK — WEITBLICK / BM NORA
ILIROY 2/1 8116 3,99 324 3,78 307 — **VILLEROY** ILIANE 3/3 10727 4,29 460 3,52 378 — **MAHANGO Pp***

Fitness | **Udder** | **Beef**

A1A1
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 141** 75%

MILK INDEX **MI 116** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+667	-0,12	+18	+0,02	+25

BEEF PERFORMANCE **BI 114** 72%

Daily net gain	Carcass percentage	Carcass grade
111	116	106

FUNCTIONAL TRAITS **FIT 135** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	121	109	124	102	110	129	110	141

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Muscling	**96**		
Feet & Legs	**108**		
Udder	**120**		
Height at cross	103	small	large
Body length	104	short	long
Rump width	105	narrow	wide
Body depth	91	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	101	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	98	short	long
Rear udder length	95	short	long
Fore udder att.	109	loose	tight
Susp. ligament	107	weak	strong
Udder depth	117	deep	high
Teat length	90	short	long
Teat thickness	84	thin	thick
Teat placem. (front)	119	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	123	outwards	inwards
Udder cleanness	103	add. teats	clean udder

genomic

genomic

Hashtag

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

aAa **432561**

HAYABUSA — HERZSCHLAG ANICA
MAXIMA 2/2 11384 4,32 492 3,39 386 — **MANDRIN** MIAMI 6/6 8268 4,16 344 3,60 298 — **MANIGO**

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

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 140** 85%

MILK INDEX (D: 21, H: 20) **MI 133** 90%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1343	-0,03	+53	-0,06	+42

BEEF PERFORMANCE **BI 122** 97%

Daily net gain	Carcass percentage	Carcass grade
125	120	108

FUNCTIONAL TRAITS **FIT 103** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
116	106	94	108	108	106	95	106	130

Maxima, dam of Hashtag

LINEAR DESCRIPTION 12 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Muscling	**100**		
Feet & Legs	**111**		
Udder	**108**		
Height at cross	113	small	large
Body length	104	short	long
Rump width	105	narrow	wide
Body depth	102	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	105	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	115	short	long
Fore udder att.	100	loose	tight
Susp. ligament	102	weak	strong
Udder depth	106	deep	high
Teat length	96	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	107	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 — SYMPOSIUM HILLARY
ALMA 5/5 10691 4,02 430 3,81 408 — **MANIGO** ANNA 6/6 8904 4,12 367 3,98 355 — **WILLEM**

Protein-% | **Fitness** | **Udder**

A1A2
BB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 140** 81%

MILK INDEX **MI 127** 88%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+962	-0,03	+37	+0,06	+39

BEEF PERFORMANCE **BI 110** 80%

Daily net gain	Carcass percentage	Carcass grade
104	111	106

FUNCTIONAL TRAITS **FIT 119** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
113	121	103	115	117	104	108	108	135

Alma, dam of Senator, 4th lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Muscling	**105**		
Feet & Legs	**106**		
Udder	**122**		
Height at cross	106	small	large
Body length	100	short	long
Rump width	99	narrow	wide
Body depth	98	shallow	deep
Rump angle	108	ascending	sloped
Hock angularity	99	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	104	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	99	short	long
Rear udder length	96	short	long
Fore udder att.	115	loose	tight
Susp. ligament	106	weak	strong
Udder depth	123	deep	high
Teat length	95	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Wensonst

HB No. 10/863503
LOM DE 09 57594369
Born 17.03.2022

aAa **465231**

WINTERTRAUM — GS WOIWODE / ZALLI

ELYSIUM 1/1 9956 4,82 480 3,64 362 — **HOCHHINAUS** EYLA 3/2 10287 4,44 457 3,42 352 — **REMMEL**

Milk | **Udder health** | **Udder**

A1A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 140** 74%

MILK INDEX **MI 126** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+975	-0,02	+39	+0,01	+36

BEEF PERFORMANCE **BI 110** 72%

Daily net gain	Carcass percentage	Carcass grade
99	113	107

FUNCTIONAL TRAITS **FIT 124** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	125	113	123	107	103	107	103	141

Elysium, dam of Wensonst

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**104**		
Muscling	**97**		
Feet & Legs	**116**		
Udder	**122**		
Height at cross	108	small	large
Body length	104	short	long
Rump width	97	narrow	wide
Body depth	99	shallow	deep
Rump angle	106	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	123	swollen	dry
Pasterns	101	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	111	short	long
Rear udder length	95	short	long
Fore udder att.	107	loose	tight
Susp. ligament	112	weak	strong
Udder depth	113	deep	high
Teat length	95	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	115	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	117	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Highland

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

aAa **264153**

HASHTAG — HAYABUSA / MAXIMA

LAYLA 4/3 9464 4,08 386 3,43 324 — **MINT** LADY 5/5 8674 4,48 388 3,80 330 — **PASSION**

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

A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 139** 76%

MILK INDEX **MI 130** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1338	-0,16	+41	-0,05	+43

BEEF PERFORMANCE **BI 113** 75%

Daily net gain	Carcass percentage	Carcass grade
120	112	104

FUNCTIONAL TRAITS **FIT 112** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	116	103	111	106	100	102	103	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**113**		
Muscling	**103**		
Feet & Legs	**115**		
Udder	**119**		
Height at cross	114	small	large
Body length	113	short	long
Rump width	109	narrow	wide
Body depth	109	shallow	deep
Rump angle	103	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	108	swollen	dry
Pasterns	107	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	105	short	long
Fore udder att.	109	loose	tight
Susp. ligament	107	weak	strong
Udder depth	114	deep	high
Teat length	105	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	111	outwards	inwards
Udder cleanness	104	add. teats	clean udder

genomic

genomic

Warsteiner P*S

HB No. 10/874599
LOM DE 0956538662
Born 03.12.2021

WAALKES Pp*
WABAN
PIGAS PP*

RIBANNA PP*
2/2 9061 4,34 394 3,54 321
IRREGUT P*S
RICHTIG
3/3 9968 4,95 493 3,11 310
DAVIDE Pp

Milk	Longevity	Type

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 139** 75%

MILK INDEX **MI 129** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1210	-0,06	+45	-0,07	+37

BEEF PERFORMANCE **BI 105** 73%

Daily net gain	Carcass percentage	Carcass grade
112	101	103

FUNCTIONAL TRAITS **FIT 119** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	122	99	117	99	109	104	110	133

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Muscling	**106**		
Feet & Legs	**109**		
Udder	**110**		
Height at cross	107	small	large
Body length	109	short	long
Rump width	112	narrow	wide
Body depth	103	shallow	deep
Rump angle	92	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	109	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	96	short	long
Rear udder length	107	short	long
Fore udder att.	109	loose	tight
Susp. ligament	99	weak	strong
Udder depth	109	deep	high
Teat length	97	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	93	wide	close
Teat direction (rear)	92	outwards	inwards
Udder cleanness	98	add. teats	clean udder

Hofgut Pp*

HB No. 10/874540
LOM DE 09 56869540
Born 28.07.2021

aAa **435261**

HASHTAG
HAYABUSA
MAXIMA

BAILA PP*
200 T. 6412 3,81 244 3,13 201
MAJESTAET PP*
BEATRIX Pp*
1/1 8384 4,11 345 3,60 302
MANOLO Pp*

Milk-kg	Type	Longevity

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 139** 75%

MILK INDEX **MI 128** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1256	-0,10	+43	-0,08	+37

BEEF PERFORMANCE **BI 106** 74%

Daily net gain	Carcass percentage	Carcass grade
115	101	100

FUNCTIONAL TRAITS **FIT 119** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	118	95	119	107	106	106	116	134

Baila PP, dam of Hofgut Pp

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**113**		
Muscling	**104**		
Feet & Legs	**115**		
Udder	**117**		
Height at cross	117	small	large
Body length	112	short	long
Rump width	104	narrow	wide
Body depth	103	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	109	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	112	short	long
Rear udder length	107	short	long
Fore udder att.	116	loose	tight
Susp. ligament	100	weak	strong
Udder depth	112	deep	high
Teat length	103	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	112	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Hitachi

HB No. 10/427168
LOM DE 08 17941794
Born 22.03.2022

HIROTO — HERMELIN / LILLIBETH
KESSIRA 1/1 10024 4,51 452 3,78 379 — **GIORGIO** KESSA 4/4 11722 4,59 538 3,54 415 — **HUTERA**

Milk | **Udder health** | **Udder**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 139** 74%

MILK INDEX **MI 126** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1012	+0,00	+42	-0,03	+33

BEEF PERFORMANCE **BI 104** 71%

Daily net gain	Carcass percentage	Carcass grade
107	106	99

FUNCTIONAL TRAITS **FIT 124** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	117	101	116	105	103	119	110	134

Kessa, granddam of Hitachi, 3rd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Muscling	**109**		
Feet & Legs	**115**		
Udder	**122**		
Height at cross	112	small	large
Body length	109	short	long
Rump width	107	narrow	wide
Body depth	106	shallow	deep
Rump angle	84	ascending	sloped
Hock angularity	86	straight	sickled
Hock develop.	109	swollen	dry
Pasterns	109	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	119	short	long
Fore udder att.	121	loose	tight
Susp. ligament	110	weak	strong
Udder depth	105	deep	high
Teat length	94	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	111	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Hangar

HB No. 10/880295
LOM DE 09 57797871
Born 23.06.2022

aAa **516342**

HEPHAISTOS — HOKUSPOKUS / MAYA
AMICELI 2/2 8192 5,19 426 4,32 354 — **HOOD** ADELE 3/3 9701 4,15 402 3,72 361 — **IMPRESSION**

Dual purpose | **Udder health** | **Udder**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 139** 74%

MILK INDEX **MI 125** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+962	-0,11	+30	+0,05	+39

BEEF PERFORMANCE **BI 111** 70%

Daily net gain	Carcass percentage	Carcass grade
109	108	109

FUNCTIONAL TRAITS **FIT 122** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	120	103	114	103	105	116	105	135

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Muscling	**105**		
Feet & Legs	**102**		
Udder	**125**		
Height at cross	109	small	large
Body length	105	short	long
Rump width	103	narrow	wide
Body depth	105	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	101	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	98	short	long
Fore udder att.	115	loose	tight
Susp. ligament	103	weak	strong
Udder depth	114	deep	high
Teat length	86	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	120	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	103	add. teats	clean udder

genomic

genomic

Handyman

HB No. 10/855585
LOM DE 09 58174265
Born 21.06.2022

GS HOERI — HOKUSPOKUS / SORY
LAURA 2/1 10655 3,35 357 3,55 378 — **VOLLZUG** F 49623 4/4 8559 4,87 417 4,05 347 — **WISCONA**

Dual purpose | **Udder** | **Fitness**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 139** 72%

MILK INDEX **MI 125** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+898	-0,07	+31	+0,07	+38

BEEF PERFORMANCE **BI 110** 70%

Daily net gain	Carcass percentage	Carcass grade
107	109	106

FUNCTIONAL TRAITS **FIT 125** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	113	106	117	98	107	124	102	134

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Muscling	**107**		
Feet & Legs	**101**		
Udder	**124**		
Height at cross	105	small	large
Body length	99	short	long
Rump width	97	narrow	wide
Body depth	96	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	102	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	100	short	long
Fore udder att.	118	loose	tight
Susp. ligament	102	weak	strong
Udder depth	112	deep	high
Teat length	109	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	116	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	117	outwards	inwards
Udder cleanness	96	add. teats	clean udder

Ibis Pp*

HB No. 10/855517
LOM DE 09 57791590
Born 22.03.2022

IQ P*S — IRREGUT P*S / EPOCHE
INNTAL 2/2 10450 4,05 423 3,58 374 — **VADUZ** INDIANA 5/5 10211 3,97 405 3,79 387 — **WABAN**

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

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 139** 73%

MILK INDEX **MI 124** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1190	-0,18	+33	-0,09	+34

BEEF PERFORMANCE **BI 107** 70%

Daily net gain	Carcass percentage	Carcass grade
105	110	101

FUNCTIONAL TRAITS **FIT 124** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
123	122	103	125	102	102	112	101	136

Inntal, dam of Ibis Pp

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Muscling	**109**		
Feet & Legs	**96**		
Udder	**123**		
Height at cross	104	small	large
Body length	105	short	long
Rump width	102	narrow	wide
Body depth	104	shallow	deep
Rump angle	103	ascending	sloped
Hock angularity	108	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	97	weak	strong
Foot angle	97	low angles	steep angles
Fore udder length	110	short	long
Rear udder length	95	short	long
Fore udder att.	114	loose	tight
Susp. ligament	98	weak	strong
Udder depth	118	deep	high
Teat length	88	short	long
Teat thickness	91	thin	thick
Teat placem. (front)	119	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	112	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Winterwoid

HB No. 10/869809
LOM DE 09 57553994
Born 14.06.2022

WINTERTRAUM — GS WOIWODE / ZALLI
ZEUS 2/2 7387 5,21 385 4,01 296 — **RIAZA** ZIMT 4/4 10446 4,32 451 3,70 386 — **WOBBLER**

Outcross | **Components** | **Fitness**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 138** 74%

MILK INDEX **MI 128** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+883	+0,10	+46	+0,03	+34

BEEF PERFORMANCE **BI 103** 73%

Daily net gain	Carcass percentage	Carcass grade
100	104	102

FUNCTIONAL TRAITS **FIT 124** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	119	102	107	116	106	124	109	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Muscling	**99**		
Feet & Legs	**104**		
Udder	**111**		
Height at cross	104	small	large
Body length	104	short	long
Rump width	103	narrow	wide
Body depth	104	shallow	deep
Rump angle	99	ascending	sloped
Hock angularity	95	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	100	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	109	short	long
Rear udder length	108	short	long
Fore udder att.	96	loose	tight
Susp. ligament	105	weak	strong
Udder depth	99	deep	high
Teat length	87	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	98	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Merdico P*S

HB No. 10/427158
LOM DE 08 17720993
Born 10.09.2021

aAa **561432**

MERCEDES Pp* — MINOR / PIGAS PP*
TISBUSI 2/1 7767 4,22 328 3,55 276 — **HAYABUSA** TISMANUA 2/2 7558 4,06 307 3,67 278 — **MANUAP**

Dual purpose | **Fitness** | **Feet & Legs**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 138** 77%

MILK INDEX **MI 127** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1108	-0,03	+44	-0,07	+33

BEEF PERFORMANCE **BI 111** 75%

Daily net gain	Carcass percentage	Carcass grade
114	107	107

FUNCTIONAL TRAITS **FIT 116** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	116	100	119	105	96	103	110	133

Tisbusi, dam of Merdico PS, 2nd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**96**		
Muscling	**99**		
Feet & Legs	**115**		
Udder	**115**		
Height at cross	95	small	large
Body length	99	short	long
Rump width	102	narrow	wide
Body depth	98	shallow	deep
Rump angle	92	ascending	sloped
Hock angularity	105	straight	sickled
Hock develop.	109	swollen	dry
Pasterns	106	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	107	short	long
Fore udder att.	115	loose	tight
Susp. ligament	109	weak	strong
Udder depth	107	deep	high
Teat length	106	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	99	add. teats	clean udder

genomic

genomic

Hammerfall

HB No. 10/871515
LOM DE0957083535
Born 03.11.2021

aAa **654123**

HAUK — HERZPOCHEN / ISA
HERZAL 2/1 9992 4,47 447 3,86 386 — **WEISSENSEE** HERZ 3/3 9170 4,99 458 3,77 345 — **HERZSCHLAG**

Components | **Dual purpose** | **Muscling**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 138** 74%

MILK INDEX **MI 124** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+509	+0,27	+45	+0,08	+25

BEEF PERFORMANCE **BI 114** 71%

Daily net gain	Carcass percentage	Carcass grade
111	107	113

FUNCTIONAL TRAITS **FIT 120** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
114	114	106	117	110	102	113	106	133

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Muscling	**111**		
Feet & Legs	**96**		
Udder	**119**		
Height at cross	100	small	large
Body length	102	short	long
Rump width	101	narrow	wide
Body depth	101	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	92	straight	sickled
Hock develop.	80	swollen	dry
Pasterns	103	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	101	short	long
Fore udder att.	117	loose	tight
Susp. ligament	104	weak	strong
Udder depth	110	deep	high
Teat length	103	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Marbella

HB No. 10/866152
LOM DE 09 57242863
Born 23.03.2022

MABUSO — MIAMI / MARIE
MIZA 200 T. 6707 3,73 250 3,24 217 — **HERZSCHLAG** MIRELE 4/4 8286 4,52 375 3,84 318 — **RALDI**

Fat-% | **Udder health** | **Milking speed**

A1A1
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 137** 77%

MILK INDEX **MI 130** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+997	+0,18	+58	-0,06	+30

BEEF PERFORMANCE **BI 106** 75%

Daily net gain	Carcass percentage	Carcass grade
110	103	103

FUNCTIONAL TRAITS **FIT 114** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
115	110	94	110	102	97	112	111	128

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Muscling	**101**		
Feet & Legs	**106**		
Udder	**114**		
Height at cross	100	small	large
Body length	101	short	long
Rump width	101	narrow	wide
Body depth	100	shallow	deep
Rump angle	106	ascending	sloped
Hock angularity	88	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	104	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	104	short	long
Fore udder att.	115	loose	tight
Susp. ligament	101	weak	strong
Udder depth	106	deep	high
Teat length	97	short	long
Teat thickness	87	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Mexx Pp*

HB No. 10/880001
LOM DE 09 57625737
Born 21.12.2021

aAa **564123**

MERCURY Pp*
MAHANGO Pp*
ANNI

LIRA
2/1 8717 4,67 407 3,35 292
HERMELIN
LAVENA
2/2 10090 3,76 379 3,46 349
GS WATTKING

Milk **Beef** **Udder**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 137** 75%

MILK INDEX **MI 125** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+978	-0,03	+38	-0,03	+32

BEEF PERFORMANCE **BI 126** 71%

Daily net gain	Carcass percentage	Carcass grade
126	121	115

FUNCTIONAL TRAITS **FIT 109** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
122	98	100	104	104	111	117	97	131

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Muscling	**95**		
Feet & Legs	**103**		
Udder	**115**		
Height at cross	106	small	large
Body length	104	short	long
Rump width	96	narrow	wide
Body depth	99	shallow	deep
Rump angle	96	ascending	sloped
Hock angularity	101	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	107	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	102	short	long
Fore udder att.	106	loose	tight
Susp. ligament	107	weak	strong
Udder depth	108	deep	high
Teat length	95	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	115	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Wunder1

HB No. 10/863332
LOM DE 09 57588135
Born 23.12.2021

aAa **561432**

WONDERLAND
WEITBLICK
ALEXAND

1140
3/2 9117 4,69 428 3,41 311
VOLLGENIAL
1026
3/3 10339 3,95 408 3,30 341
VULKAN

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

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 137** 74%

MILK INDEX **MI 124** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+701	+0,13	+41	+0,03	+28

BEEF PERFORMANCE **BI 114** 70%

Daily net gain	Carcass percentage	Carcass grade
108	114	109

FUNCTIONAL TRAITS **FIT 120** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
90	122	102	111	111	116	108	109	131

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**99**		
Muscling	**104**		
Feet & Legs	**101**		
Udder	**113**		
Height at cross	99	small	large
Body length	99	short	long
Rump width	101	narrow	wide
Body depth	95	shallow	deep
Rump angle	108	ascending	sloped
Hock angularity	110	straight	sickled
Hock develop.	114	swollen	dry
Pasterns	95	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	103	short	long
Fore udder att.	105	loose	tight
Susp. ligament	101	weak	strong
Udder depth	102	deep	high
Teat length	98	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	117	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	104	add. teats	clean udder

genomic

genomic

Hyundai Pp*

HB No. 10/174565
LOM DE 09 57433719
Born 22.03.2022

HOLLEDAU P*S
HATTRICK PP*
IRENE Pp*

BELINDA Pp*
2/2 11661 4,03 470 3,67 428

GS MCDRIVE Pp*
BEATRIX Pp*
91 T. 2638 3,57 94 3,20 84

INCREDIBLE PP*

Dual purpose	Fitness	Type

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 137** 74%

MILK INDEX **MI 124** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1158	-0,14	+35	-0,10	+32

BEEF PERFORMANCE **BI 113** 70%

Daily net gain	Carcass percentage	Carcass grade
107	113	108

FUNCTIONAL TRAITS **FIT 119** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
115	112	96	118	105	100	117	104	131

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**113**		
Feet & Legs	**102**		
Udder	**119**		
Height at cross	107	small	large
Body length	107	short	long
Rump width	107	narrow	wide
Body depth	99	shallow	deep
Rump angle	107	ascending	sloped
Hock angularity	102	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	101	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	112	short	long
Rear udder length	94	short	long
Fore udder att.	107	loose	tight
Susp. ligament	100	weak	strong
Udder depth	115	deep	high
Teat length	98	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	115	wide	close
Teat placem. (rear)	114	wide	close
Teat direction (rear)	119	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Hyperion P*S

HB No. 10/855286
LOM DE 09 56610000
Born 23.06.2021

HAMLET Pp*
HERMELIN
ARIELLE PP*

EMOTION
3/2 9987 4,14 414 3,19 319

REMMEL
EMILIE
5/5 11570 3,76 435 3,45 399

MANIGO

Milk	Udder health	Type

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 137** 76%

MILK INDEX **MI 123** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1127	-0,20	+28	-0,04	+36

BEEF PERFORMANCE **BI 121** 76%

Daily net gain	Carcass percentage	Carcass grade
119	118	111

FUNCTIONAL TRAITS **FIT 116** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	124	96	112	95	111	107	97	131

Emotion, dam of Hyperion PS, 2nd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**115**		
Muscling	**108**		
Feet & Legs	**113**		
Udder	**109**		
Height at cross	117	small	large
Body length	118	short	long
Rump width	109	narrow	wide
Body depth	109	shallow	deep
Rump angle	110	ascending	sloped
Hock angularity	111	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	111	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	107	short	long
Rear udder length	103	short	long
Fore udder att.	102	loose	tight
Susp. ligament	99	weak	strong
Udder depth	104	deep	high
Teat length	98	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	116	wide	close
Teat placem. (rear)	118	wide	close
Teat direction (rear)	121	outwards	inwards
Udder cleanness	108	add. teats	clean udder

Weitfort

HB No. 10/881914
LOM DE 09 57338057
Born 13.09.2021

WEIDWERK — WEITBLICK / BM NORA
EVELIN — **HERMELIN** / EVIWA — **WATT**
5/5 10508 4,15 436 3,83 402

Components | **Udder** | **Beef**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 137** 73%

MILK INDEX **MI 123** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+744	+0,04	+34	+0,04	+30

BEEF PERFORMANCE **BI 120** 72%

Daily net gain	Carcass percentage	Carcass grade
109	122	112

FUNCTIONAL TRAITS **FIT 116** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	111	108	117	107	103	108	102	136

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**96**		
Muscling	**102**		
Feet & Legs	**106**		
Udder	**122**		
Height at cross	97	small	large
Body length	94	short	long
Rump width	100	narrow	wide
Body depth	94	shallow	deep
Rump angle	89	ascending	sloped
Hock angularity	91	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	105	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	92	short	long
Rear udder length	98	short	long
Fore udder att.	105	loose	tight
Susp. ligament	115	weak	strong
Udder depth	110	deep	high
Teat length	87	short	long
Teat thickness	90	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	118	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Wintertag

HB No. 10/863352
LOM DE 09 57465978
Born 03.04.2022

WINTERTRAUM — GS WOIWODE / ZALLI
BUTTERC — **IMPRESSION** / BATINCA — **VANSTEIN**
5/4 13292 5,08 675 3,77 501
2/2 12869 6,32 814 3,71 478

Protein | **Longevity** | **Udder depth**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 137** 75%

MILK INDEX **MI 123** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+705	+0,01	+31	+0,08	+32

BEEF PERFORMANCE **BI 105** 73%

Daily net gain	Carcass percentage	Carcass grade
107	101	105

FUNCTIONAL TRAITS **FIT 123** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	117	109	121	108	104	109	116	137

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**101**		
Feet & Legs	**113**		
Udder	**116**		
Height at cross	110	small	large
Body length	109	short	long
Rump width	104	narrow	wide
Body depth	94	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	114	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	99	short	long
Rear udder length	95	short	long
Fore udder att.	102	loose	tight
Susp. ligament	100	weak	strong
Udder depth	119	deep	high
Teat length	90	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	98	add. teats	clean udder

genomic

genomic

Ischgl Pp*

HB No. 10/861410
LOM DE 09 58040073
Born 27.03.2022

aAa **465231**

IQ P*S
IRREGUT P*S
EPOCHE

SASKIA Pp*
2/1 8568 4,08 350 3,49 299

MANOLO Pp*
SHAKIRA
3/3 10572 4,10 433 3,73 394

INCREDIBLE PP*

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

A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 137** 73%

MILK INDEX **MI 123** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1065	-0,17	+29	-0,03	+35

BEEF PERFORMANCE **BI 112** 70%

Daily net gain	Carcass percentage	Carcass grade
117	112	102

FUNCTIONAL TRAITS **FIT 118** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
120	115	106	119	106	101	107	104	138

Saskia Pp, dam of Ischgl Pp

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**116**		
Muscling	**105**		
Feet & Legs	**110**		
Udder	**120**		
Height at cross	118	small	large
Body length	117	short	long
Rump width	109	narrow	wide
Body depth	110	shallow	deep
Rump angle	110	ascending	sloped
Hock angularity	112	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	106	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	109	short	long
Rear udder length	93	short	long
Fore udder att.	117	loose	tight
Susp. ligament	98	weak	strong
Udder depth	116	deep	high
Teat length	101	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Hiroba

HB No. 10/427180
LOM DE 09 57339909
Born 07.08.2022

HIROTO
HERMELIN
LILLIBETH

NALA
2/1 9714 4,38 425 3,65 355

WABAN
NIZZA
4/4 9225 4,03 372 3,74 345

MANIGO

Udder | **Fitness** | **Udder health**

Nala, dam of Hiroba

A1A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 137** 74%

MILK INDEX **MI 123** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+870	-0,02	+34	+0,01	+32

BEEF PERFORMANCE **BI 105** 70%

Daily net gain	Carcass percentage	Carcass grade
98	104	108

FUNCTIONAL TRAITS **FIT 121** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
122	118	103	123	102	104	109	105	134

Nizza, granddam of Hiroba, 3rd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**101**		
Muscling	**106**		
Feet & Legs	**113**		
Udder	**122**		
Height at cross	105	small	large
Body length	97	short	long
Rump width	96	narrow	wide
Body depth	96	shallow	deep
Rump angle	98	ascending	sloped
Hock angularity	85	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	106	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	102	short	long
Rear udder length	112	short	long
Fore udder att.	107	loose	tight
Susp. ligament	114	weak	strong
Udder depth	111	deep	high
Teat length	98	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	116	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	115	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Wanero PP*

HB No. 10/869600
LOM DE 09 56708904
Born 05.12.2021

aAa **432561**

WAALKES Pp* — WABAN / PIGAS PP*
GOLDI Pp* 3/2 9096 4,19 381 3,49 317 — **MOTANE Pp*** GOLDI 3/3 9011 3,90 351 3,48 314 — **GS WOHLTAT**

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

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 137** 76%

MILK INDEX **MI 121** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+815	-0,01	+33	-0,03	+27

BEEF PERFORMANCE **BI 111** 73%

Daily net gain	Carcass percentage	Carcass grade
118	107	104

FUNCTIONAL TRAITS **FIT 122** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	123	97	118	98	114	113	102	131

Goldi Pp, dam of Wanero PP, 3rd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76	88	100	112	124	136	Tendency
Frame	**116**							
Muscling	**104**							
Feet & Legs	**103**							
Udder	**116**							
Height at cross	120	small						large
Body length	115	short						long
Rump width	110	narrow						wide
Body depth	106	shallow						deep
Rump angle	108	ascending						sloped
Hock angularity	109	straight						sickled
Hock develop.	100	swollen						dry
Pasterns	99	weak						strong
Foot angle	107	low angles						steep angles
Fore udder length	100	short						long
Rear udder length	109	short						long
Fore udder att.	112	loose						tight
Susp. ligament	95	weak						strong
Udder depth	108	deep						high
Teat length	86	short						long
Teat thickness	95	thin						thick
Teat placem. (front)	126	wide						close
Teat placem. (rear)	100	wide						close
Teat direction (rear)	108	outwards						inwards
Udder cleanness	102	add. teats						clean udder

Spinom

HB No. 10/871495
LOM DE 09 57083519
Born 07.10.2021

aAa **564132**

SPARTACUS — SEHRGUT / KRONE 21
SANDY 2/1 10933 3,82 418 3,65 399 — **WEYER** SANDRIN 4/4 11167 3,99 446 3,48 389 — **MANDRIN**

Dual purpose | **Udder health** | **Udder**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 137** 77%

MILK INDEX **MI 120** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1124	-0,18	+30	-0,14	+27

BEEF PERFORMANCE **BI 120** 75%

Daily net gain	Carcass percentage	Carcass grade
106	123	112

FUNCTIONAL TRAITS **FIT 118** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	112	102	116	112	105	107	118	135

Sandrin, grand dam of Spinom, 5th lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76	88	100	112	124	136	Tendency
Frame	**100**							
Muscling	**100**							
Feet & Legs	**102**							
Udder	**111**							
Height at cross	104	small						large
Body length	99	short						long
Rump width	98	narrow						wide
Body depth	91	shallow						deep
Rump angle	98	ascending						sloped
Hock angularity	102	straight						sickled
Hock develop.	98	swollen						dry
Pasterns	99	weak						strong
Foot angle	101	low angles						steep angles
Fore udder length	104	short						long
Rear udder length	103	short						long
Fore udder att.	101	loose						tight
Susp. ligament	118	weak						strong
Udder depth	104	deep						high
Teat length	105	short						long
Teat thickness	90	thin						thick
Teat placem. (front)	111	wide						close
Teat placem. (rear)	112	wide						close
Teat direction (rear)	116	outwards						inwards
Udder cleanness	100	add. teats						clean udder

genomic

genomic

Vredolin

HB No. 10/863536
LOM DE 09 57466007
Born 07.07.2022

aAa **426351**

VREDO — VABI ALASLA
HIMBI 2/1 10512 4,65 489 3,45 363 — **MABUSO** HIMBEER 2/2 11999 4,98 598 3,73 448 — **GS WERTVOLL**

Components | **Milk** | **Milking speed**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 136** 73%

MILK INDEX **MI 135** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+989	+0,26	+65	+0,02	+37

BEEF PERFORMANCE **BI 97** 70%

Daily net gain	Carcass percentage	Carcass grade
97	98	99

FUNCTIONAL TRAITS **FIT 111** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
121	114	103	113	99	103	97	106	130

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**91**		
Feet & Legs	**116**		
Udder	**113**		
Height at cross	108	small	large
Body length	103	short	long
Rump width	103	narrow	wide
Body depth	107	shallow	deep
Rump angle	93	ascending	sloped
Hock angularity	91	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	104	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	121	short	long
Rear udder length	120	short	long
Fore udder att.	98	loose	tight
Susp. ligament	104	weak	strong
Udder depth	98	deep	high
Teat length	95	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	123	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Moospower

HB No. 10/874557
LOM DE 09 57068971
Born 24.08.2021

aAa **435216**

MAKAY — MALAWI
LATEX 4/3 11404 4,09 467 3,47 396 — **HARIBO** LONDON 1/1 7833 4,98 390 3,75 294 — **GS RUMGO**

Feet & Legs | **Components** | **Udder health**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 136** 74%

MILK INDEX **MI 131** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+898	+0,11	+48	+0,09	+40

BEEF PERFORMANCE **BI 99** 74%

Daily net gain	Carcass percentage	Carcass grade
100	100	98

FUNCTIONAL TRAITS **FIT 115** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
119	114	106	114	112	101	107	100	129

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Muscling	**97**		
Feet & Legs	**108**		
Udder	**105**		
Height at cross	108	small	large
Body length	103	short	long
Rump width	104	narrow	wide
Body depth	101	shallow	deep
Rump angle	106	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	103	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	103	short	long
Rear udder length	108	short	long
Fore udder att.	96	loose	tight
Susp. ligament	110	weak	strong
Udder depth	100	deep	high
Teat length	97	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	114	wide	close
Teat direction (rear)	111	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Silber

HB No. 10/874569
LOM DE09 57069118
Born 16.09.2021

SISYPHUS — SYMPOSIUM / HILLARY
ZILADA 2/2 9051 4,56 413 3,93 356 — **ENCHILADA** ZITERA 3/3 10221 3,14 321 3,49 357 — **HUTERA**

Dual purpose | **Fertility** | **BB/A2A2**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 136** 78%

MILK INDEX **MI 129** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+754	+0,28	+57	+0,02	+29

BEEF PERFORMANCE **BI 118** 75%

Daily net gain	Carcass percentage	Carcass grade
116	110	116

FUNCTIONAL TRAITS **FIT 109** 83%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	102	101	108	105	99	110	104	124

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**90**		
Muscling	**101**		
Feet & Legs	**101**		
Udder	**108**		
Height at cross	89	small	large
Body length	93	short	long
Rump width	93	narrow	wide
Body depth	88	shallow	deep
Rump angle	83	ascending	sloped
Hock angularity	85	straight	sickled
Hock develop.	90	swollen	dry
Pasterns	105	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	106	short	long
Fore udder att.	110	loose	tight
Susp. ligament	106	weak	strong
Udder depth	100	deep	high
Teat length	95	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	92	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Wasserspiel

HB No. 10/866130
LOM DE 09 56442856
Born 24.06.2021

aAa **432561**

WETTINER — WABAN / MARINA
STARLIG 1/1 7878 4,49 354 3,86 304 — **HOKUSPOKUS** STERNAL 3/3 9088 4,47 406 3,85 350 — **EPINAL**

Udder | **Teat length** | **Fitness**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 136** 75%

MILK INDEX **MI 128** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1091	-0,04	+42	+0,00	+39

BEEF PERFORMANCE **BI 95** 74%

Daily net gain	Carcass percentage	Carcass grade
96	95	99

FUNCTIONAL TRAITS **FIT 121** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	122	112	123	108	107	100	107	135

Starlig, dam of Wasserspiel

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Muscling	**98**		
Feet & Legs	**108**		
Udder	**115**		
Height at cross	101	small	large
Body length	99	short	long
Rump width	97	narrow	wide
Body depth	106	shallow	deep
Rump angle	94	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	109	swollen	dry
Pasterns	102	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	105	short	long
Rear udder length	105	short	long
Fore udder att.	108	loose	tight
Susp. ligament	105	weak	strong
Udder depth	105	deep	high
Teat length	111	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	121	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	110	add. teats	clean udder

genomic

genomic

Woozle PP*

HB No. 10/871500
LOM DE 09 57083520
Born 09.10.2021

aAa **564132**

WAALKES Pp* — WABAN / PIGAS
BAYWA Pp ET 2/2 8918 4,82 430 4,03 360 — **MEGA PP*** BREXIT — **RALDI**
2/2 11064 3,80 420 3,51 388

Fat-% | **Udder health** | **Feet & Legs**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 136** 76%

MILK INDEX **MI 128** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+934	+0,11	+49	-0,01	+32

BEEF PERFORMANCE **BI 103** 74%

Daily net gain	Carcass percentage	Carcass grade
114	97	102

FUNCTIONAL TRAITS **FIT 116** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	117	99	111	110	112	108	107	131

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Muscling	**98**		
Feet & Legs	**115**		
Udder	**104**		
Height at cross	110	small	large
Body length	109	short	long
Rump width	105	narrow	wide
Body depth	107	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	106	straight	sickled
Hock develop.	114	swollen	dry
Pasterns	107	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	110	short	long
Fore udder att.	105	loose	tight
Susp. ligament	98	weak	strong
Udder depth	102	deep	high
Teat length	102	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	93	wide	close
Teat direction (rear)	88	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Zaschka

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

aAa **435261**

ZEIGER — ZAZU / LAMERA
NATASHA 2/1 10895 4,04 440 3,70 403 — **DREAM** NAOAM — **REMMEL**
5/5 10395 4,40 457 3,73 388

Milk | **Udder health** | **Udder**

A1A2
BB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 136** 77%

MILK INDEX **MI 127** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1029	-0,04	+40	+0,00	+37

BEEF PERFORMANCE **BI 109** 76%

Daily net gain	Carcass percentage	Carcass grade
115	109	101

FUNCTIONAL TRAITS **FIT 116** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	121	98	108	103	106	110	100	128

Naoam, grand dam of Zaschka

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Muscling	**101**		
Feet & Legs	**100**		
Udder	**112**		
Height at cross	104	small	large
Body length	104	short	long
Rump width	109	narrow	wide
Body depth	106	shallow	deep
Rump angle	106	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	91	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	109	short	long
Fore udder att.	108	loose	tight
Susp. ligament	104	weak	strong
Udder depth	107	deep	high
Teat length	98	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	90	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Hochbegabt

HB No. 10/863531
LOM DE 09 57454536
Born 16.04.2022

aAa **561432**

HOKUSPOKUS
HURLY
NELLE

1298
2/1 9479 5,11 484 3,57 338

VENTURA
1090
6/6 10935 4,86 531 3,56 389

MANIGO

Milk **Longevity** **Udder**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 136** 78%

MILK INDEX **MI 126** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+882	+0,03	+39	+0,03	+34

BEEF PERFORMANCE **BI 105** 75%

Daily net gain	Carcass percentage	Carcass grade
104	105	102

FUNCTIONAL TRAITS **FIT 117** 82%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	114	88	124	119	109	105	114	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Muscling	**84**		
Feet & Legs	**113**		
Udder	**123**		
Height at cross	102	small	large
Body length	98	short	long
Rump width	97	narrow	wide
Body depth	93	shallow	deep
Rump angle	103	ascending	sloped
Hock angularity	108	straight	sickled
Hock develop.	127	swollen	dry
Pasterns	93	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	112	short	long
Rear udder length	103	short	long
Fore udder att.	102	loose	tight
Susp. ligament	112	weak	strong
Udder depth	106	deep	high
Teat length	88	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	127	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Windach

HB No. 10/855600
LOM DE 09 57835588
Born 18.07.2022

WARLOCK
WEISSENSEE
GUDERA

KEANA
3/2 8473 3,83 325 3,76 319

VILLEROY
KISS ME
5/5 10242 4,02 412 3,66 375

HUTERA

Milk **Fitness** **Udder**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 136** 74%

MILK INDEX **MI 126** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1364	-0,32	+27	-0,04	+44

BEEF PERFORMANCE **BI 99** 71%

Daily net gain	Carcass percentage	Carcass grade
99	101	97

FUNCTIONAL TRAITS **FIT 121** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	122	103	126	111	104	102	109	134

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Muscling	**99**		
Feet & Legs	**110**		
Udder	**125**		
Height at cross	113	small	large
Body length	113	short	long
Rump width	102	narrow	wide
Body depth	107	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	93	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	103	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	104	short	long
Fore udder att.	118	loose	tight
Susp. ligament	113	weak	strong
Udder depth	114	deep	high
Teat length	102	short	long
Teat thickness	87	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	125	outwards	inwards
Udder cleanness	104	add. teats	clean udder

genomic

genomic

Hakro

HB No. 10/861470
LOM AT 40 0809 488
Born 16.04.2022

aAa **516342**

GS HOERI
- HOKUSPOKUS
- SORY

FLY GAME
3/2 11371 4,23 481 3,45 393
- **WORLDCUP**
  - FLY AROUND
  - 5/5 12051 3,84 463 3,46 417
- **WATZMANN**

Components | **Udder** | **Fitness**

A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 136** 73%

MILK INDEX **MI 124** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+615	+0,12	+36	+0,11	+32

BEEF PERFORMANCE **BI 111** 71%

Daily net gain	Carcass percentage	Carcass grade
105	114	106

FUNCTIONAL TRAITS **FIT 119** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
95	116	102	122	109	109	105	106	135

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Muscling	**105**		
Feet & Legs	**108**		
Udder	**126**		
Height at cross	102	small	large
Body length	103	short	long
Rump width	100	narrow	wide
Body depth	96	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	114	swollen	dry
Pasterns	102	weak	strong
Foot angle	96	low angles	steep angles
Fore udder length	95	short	long
Rear udder length	98	short	long
Fore udder att.	114	loose	tight
Susp. ligament	110	weak	strong
Udder depth	119	deep	high
Teat length	83	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	121	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	111	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Venido Pp*

HB No. 10/866138
LOM DE 09 56871073
Born 27.09.2021

aAa **543621**

VIRGINIA
- VILLEROY
- FAMOSA

AGENDA Pp*
2/1 6910 4,78 330 3,47 240
- **MOCCA Pp***
  - AGENDA
  - 2/2 8407 5,01 421 3,80 320
- **MISSION Pp***

Milk | **Longevity** | **Vitality**

A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 136** 75%

MILK INDEX **MI 123** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+894	-0,01	+36	-0,01	+31

BEEF PERFORMANCE **BI 114** 73%

Daily net gain	Carcass percentage	Carcass grade
111	113	107

FUNCTIONAL TRAITS **FIT 117** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	104	99	115	116	111	113	113	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Muscling	**110**		
Feet & Legs	**107**		
Udder	**111**		
Height at cross	100	small	large
Body length	106	short	long
Rump width	107	narrow	wide
Body depth	104	shallow	deep
Rump angle	107	ascending	sloped
Hock angularity	100	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	109	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	107	short	long
Rear udder length	103	short	long
Fore udder att.	108	loose	tight
Susp. ligament	106	weak	strong
Udder depth	103	deep	high
Teat length	103	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	94	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Ibu Pp*

HB No. 10/880135
LOM DE 09 57628868
Born 28.02.2022

IQ P*S
- IRREGUT P*S
- EPOCHE

HABIBA
100 T. 4229 4,30 182 3,26 138
- **WEITBLICK**
  - HAVANNA
  - 3/2 8487 4,39 373 3,75 318
- **IMPERATIV**

Beef | **Fitness** | **Udder**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 136** 74%

MILK INDEX **MI 122** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+857	-0,12	+25	+0,05	+35

BEEF PERFORMANCE **BI 117** 70%

Daily net gain	Carcass percentage	Carcass grade
111	121	107

FUNCTIONAL TRAITS **FIT 118** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	110	105	117	106	108	115	98	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**107**		
Feet & Legs	**107**		
Udder	**114**		
Height at cross	106	small	large
Body length	108	short	long
Rump width	106	narrow	wide
Body depth	102	shallow	deep
Rump angle	98	ascending	sloped
Hock angularity	100	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	101	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	96	short	long
Rear udder length	96	short	long
Fore udder att.	110	loose	tight
Susp. ligament	109	weak	strong
Udder depth	110	deep	high
Teat length	98	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Villani Pp*

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

VICI Pp*
- VOTARY P*S
- WIRANGA Pp*

ESCALIBUR
200 T. 6532 3,64 238 3,35 219
- **HAYABUSA**
  - ESTHER
  - 5/5 9394 4,01 377 3,50 328
- **VILLEROY**

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

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 136** 77%

MILK INDEX **MI 121** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+698	+0,06	+35	+0,02	+27

BEEF PERFORMANCE **BI 107** 75%

Daily net gain	Carcass percentage	Carcass grade
118	101	103

FUNCTIONAL TRAITS **FIT 121** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	109	92	116	114	109	122	113	130

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**113**		
Muscling	**99**		
Feet & Legs	**100**		
Udder	**114**		
Height at cross	115	small	large
Body length	112	short	long
Rump width	106	narrow	wide
Body depth	108	shallow	deep
Rump angle	114	ascending	sloped
Hock angularity	101	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	101	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	107	short	long
Fore udder att.	104	loose	tight
Susp. ligament	96	weak	strong
Udder depth	110	deep	high
Teat length	102	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	99	add. teats	clean udder

genomic

genomic

Wilby

HB No. 10/427172
LOM DE 08 18112543
Born 15.05.2022

WINTERTRAUM — WOIWODE / ZALLI
CARMEN 5/5 9690 4,45 431 3,67 355 — **MANUAP** FRADEL 4/4 8761 3,88 340 3,71 325 — **WILLE**

Longevity | **Fertility** | **Udder**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 135** 74%

MILK INDEX **MI 119** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+776	-0,10	+24	+0,00	+28

BEEF PERFORMANCE **BI 102** 73%

Daily net gain	Carcass percentage	Carcass grade
101	101	103

FUNCTIONAL TRAITS **FIT 127** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
116	117	105	121	99	107	121	109	134

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Muscling	**107**		
Feet & Legs	**109**		
Udder	**121**		
Height at cross	101	small	large
Body length	102	short	long
Rump width	98	narrow	wide
Body depth	101	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	107	straight	sickled
Hock develop.	114	swollen	dry
Pasterns	105	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	103	short	long
Rear udder length	107	short	long
Fore udder att.	116	loose	tight
Susp. ligament	108	weak	strong
Udder depth	114	deep	high
Teat length	88	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Hupsala P*S

HB No. 10/861500
LOM DE 09 57727762
Born 28.06.2022

aAa **426351**

GS HOERI — HOKUSPOKUS / SORY
LYLA PP* 200 T. 6599 4,64 306 3,12 206 — **MAJESTAET PP*** LUZI Pp* 4/4 10859 4,21 458 3,26 354 — **INCREDIBLE PP***

Components | **Feet & Legs** | **Udder**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 134** 73%

MILK INDEX **MI 130** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+825	+0,27	+58	+0,01	+30

BEEF PERFORMANCE **BI 105** 71%

Daily net gain	Carcass percentage	Carcass grade
111	102	101

FUNCTIONAL TRAITS **FIT 111** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	107	100	108	108	110	105	109	129

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**119**		
Muscling	**89**		
Feet & Legs	**110**		
Udder	**116**		
Height at cross	126	small	large
Body length	115	short	long
Rump width	106	narrow	wide
Body depth	105	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	99	straight	sickled
Hock develop.	113	swollen	dry
Pasterns	111	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	107	short	long
Rear udder length	101	short	long
Fore udder att.	109	loose	tight
Susp. ligament	105	weak	strong
Udder depth	115	deep	high
Teat length	94	short	long
Teat thickness	91	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	119	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 — VILLEROY / FAMOSA
FARBE 2/1 8405 4,63 389 3,76 316 — **HECHT** / BRIGITT — **ZEPTER** 1/1 8918 4,54 405 3,57 318

Components | **Longevity** | **Udder**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 134** 76%

MILK INDEX **MI 127** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+790	+0,11	+42	+0,06	+34

BEEF PERFORMANCE **BI 109** 74%

Daily net gain	Carcass percentage	Carcass grade
106	111	103

FUNCTIONAL TRAITS **FIT 111** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	109	96	113	106	106	103	110	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Muscling	**100**		
Feet & Legs	**109**		
Udder	**117**		
Height at cross	107	small	large
Body length	108	short	long
Rump width	105	narrow	wide
Body depth	106	shallow	deep
Rump angle	95	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	104	weak	strong
Foot angle	114	low angles	steep angles
Fore udder length	110	short	long
Rear udder length	103	short	long
Fore udder att.	108	loose	tight
Susp. ligament	112	weak	strong
Udder depth	110	deep	high
Teat length	108	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	114	wide	close
Teat direction (rear)	121	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Mailiber PP*

HB No. 10/863348
LOM DE 09 57118585
Born 10.02.2022

MAHARI Pp* — GS MAHATMA Pp* / MILKA
ANETTE 6/5 11474 4,62 530 3,53 405 — **INCREDIBLE PP*** / 729 — **HUTERA**

Components | **Dual purpose** | **Udder health**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 134** 75%

MILK INDEX **MI 126** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+736	+0,12	+42	+0,07	+33

BEEF PERFORMANCE **BI 116** 75%

Daily net gain	Carcass percentage	Carcass grade
113	110	114

FUNCTIONAL TRAITS **FIT 113** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
88	111	101	110	107	103	105	111	126

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**97**		
Muscling	**110**		
Feet & Legs	**103**		
Udder	**106**		
Height at cross	94	small	large
Body length	96	short	long
Rump width	99	narrow	wide
Body depth	106	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	104	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	114	short	long
Fore udder att.	104	loose	tight
Susp. ligament	107	weak	strong
Udder depth	89	deep	high
Teat length	84	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	97	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	102	add. teats	clean udder

genomic

genomic

Windhuk

HB No. 10/427175
LOM DE 08 18211034
Born 06.06.2022

WINTERTRAUM — WOIWODE / ZALLI
KESSINA 1/1 10024 4,51 452 3,78 379 — **GIORGIO** KESSA 4/4 11722 4,59 538 3,54 415 — **HUTERA**

Components | **Feet & Legs** | **Udder**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 134** 74%

MILK INDEX **MI 122** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+651	+0,10	+36	+0,05	+27

BEEF PERFORMANCE **BI 105** 72%

Daily net gain	Carcass percentage	Carcass grade
99	107	104

FUNCTIONAL TRAITS **FIT 123** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	116	97	117	110	97	118	114	130

Kessina, dam of Windhuk

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Muscling	**97**		
Feet & Legs	**114**		
Udder	**115**		
Height at cross	100	small	large
Body length	102	short	long
Rump width	102	narrow	wide
Body depth	101	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	108	swollen	dry
Pasterns	107	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	128	short	long
Fore udder att.	104	loose	tight
Susp. ligament	102	weak	strong
Udder depth	96	deep	high
Teat length	95	short	long
Teat thickness	107	thin	thick
Teat placem. (front)	113	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Icq PP*

HB No. 10/168091
LOM DE 09 57467072
Born 27.02.2022

aAa **462531**

IQ P*S — IRREGUT P*S / EPOCHE
BASKIA Pp* 4/3 9979 3,76 375 3,48 348 — **MAHANGO Pp*** BASKIA 4/4 10055 3,65 367 3,51 353 — **WILLE**

Frame | **Muscling** | **Dual purpose**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 133** 74%

MILK INDEX **MI 120** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+826	-0,10	+26	+0,00	+29

BEEF PERFORMANCE **BI 115** 71%

Daily net gain	Carcass percentage	Carcass grade
122	108	108

FUNCTIONAL TRAITS **FIT 118** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	119	107	111	103	104	110	101	128

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**119**		
Muscling	**122**		
Feet & Legs	**101**		
Udder	**109**		
Height at cross	119	small	large
Body length	119	short	long
Rump width	116	narrow	wide
Body depth	116	shallow	deep
Rump angle	109	ascending	sloped
Hock angularity	105	straight	sickled
Hock develop.	90	swollen	dry
Pasterns	103	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	105	short	long
Rear udder length	93	short	long
Fore udder att.	114	loose	tight
Susp. ligament	89	weak	strong
Udder depth	113	deep	high
Teat length	116	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	96	wide	close
Teat placem. (rear)	92	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	102	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Hiroto

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

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

Milk | **Udder** | **Milking speed**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 132** 80%

MILK INDEX **MI 124** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+973	-0,01	+40	-0,05	+30

BEEF PERFORMANCE **BI 104** 79%

Daily net gain	Carcass percentage	Carcass grade
105	102	102

FUNCTIONAL TRAITS **FIT 115** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
115	110	98	114	92	100	113	102	127

Lillibeth, dam of Hiroto

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**98**		
Muscling	**100**		
Feet & Legs	**113**		
Udder	**123**		
Height at cross	102	small	large
Body length	96	short	long
Rump width	95	narrow	wide
Body depth	94	shallow	deep
Rump angle	86	ascending	sloped
Hock angularity	95	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	107	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	115	short	long
Rear udder length	112	short	long
Fore udder att.	107	loose	tight
Susp. ligament	119	weak	strong
Udder depth	108	deep	high
Teat length	97	short	long
Teat thickness	90	thin	thick
Teat placem. (front)	115	wide	close
Teat placem. (rear)	122	wide	close
Teat direction (rear)	122	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Horkrux P*S

HB No. 10/863357
LOM DE 09 55634717
Born 13.03.2022

aAa **561423**

HOMER — HURLY / HUMMEL
CANADA Pp* 200 T. 5873 4,46 262 3,41 200 — **MAJESTAET PP*** / CARIBIK 2/2 8565 4,65 398 3,57 306 — **HERZSCHLAG**

Components | **Longevity** | **Udder**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 132** 74%

MILK INDEX **MI 124** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+811	+0,05	+38	+0,01	+30

BEEF PERFORMANCE **BI 107** 74%

Daily net gain	Carcass percentage	Carcass grade
114	104	101

FUNCTIONAL TRAITS **FIT 112** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	109	97	117	118	108	103	105	131

Canada Pp, dam of Horkrux PS

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Muscling	**102**		
Feet & Legs	**114**		
Udder	**124**		
Height at cross	104	small	large
Body length	99	short	long
Rump width	101	narrow	wide
Body depth	102	shallow	deep
Rump angle	80	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	108	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	111	short	long
Fore udder att.	119	loose	tight
Susp. ligament	99	weak	strong
Udder depth	110	deep	high
Teat length	108	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	104	add. teats	clean udder

genomic

genomic

Matahari PP*

HB No. 10/871555
LOM DE 09 57424253
Born 06.05.2022

aAa **651423**

MONOPOLY P*S — MANOLO Pp* / GOLKA
GOLDIGE Pp* — **HERZPOCHEN** — **EPINAL** / GOLDANA
1/1 8363 4,71 394 3,87 324
3/3 8120 4,62 375 3,69 300

Fitness **Protein** **Udder**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 132** 77%

MILK INDEX **MI 122** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+737	-0,04	+27	+0,08	+33

BEEF PERFORMANCE **BI 105** 74%

Daily net gain	Carcass percentage	Carcass grade
104	108	100

FUNCTIONAL TRAITS **FIT 117** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	112	101	116	104	102	109	113	130

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**96**		
Muscling	**98**		
Feet & Legs	**115**		
Udder	**120**		
Height at cross	95	small	large
Body length	101	short	long
Rump width	99	narrow	wide
Body depth	99	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	114	swollen	dry
Pasterns	109	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	96	short	long
Fore udder att.	110	loose	tight
Susp. ligament	111	weak	strong
Udder depth	108	deep	high
Teat length	90	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	115	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Solution

HB No. 10/863333
LOM DE 09 56949539
Born 18.12.2021

SIDO — SYSTEM / LEXI
BINKI — **HOKUSPOKUS** — **WALFRIED** / BIANCA
1/1 10026 4,21 422 3,37 338
2/2 9741 4,32 421 3,51 342

Dual purpose **Udder** **Udder health**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 132** 75%

MILK INDEX **MI 119** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+640	+0,01	+27	+0,03	+25

BEEF PERFORMANCE **BI 110** 74%

Daily net gain	Carcass percentage	Carcass grade
111	110	104

FUNCTIONAL TRAITS **FIT 120** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	125	103	114	108	101	105	111	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Muscling	**94**		
Feet & Legs	**104**		
Udder	**126**		
Height at cross	109	small	large
Body length	108	short	long
Rump width	96	narrow	wide
Body depth	95	shallow	deep
Rump angle	96	ascending	sloped
Hock angularity	94	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	105	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	102	short	long
Rear udder length	95	short	long
Fore udder att.	122	loose	tight
Susp. ligament	93	weak	strong
Udder depth	123	deep	high
Teat length	95	short	long
Teat thickness	112	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	98	add. teats	clean udder

Harold P*S

HB No. 10/874657
LOM DE 09 57673502
Born 27.05.2022

GS HARDY
HERMELIN
AURORA

IRREGUT PP*
1/1 9010 4,21 379 3,67 331

IRREGUT P*S
IRENE Pp*
3/2 9932 3,30 328 3,26 324

MANOLO Pp*

Components | **Udder health** | **Udder**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 130** 73%

MILK INDEX **MI 124** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+674	+0,16	+42	+0,04	+28

BEEF PERFORMANCE **BI 102** 72%

Daily net gain	Carcass percentage	Carcass grade
101	103	100

FUNCTIONAL TRAITS **FIT 114** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	117	106	112	114	103	100	107	130

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Muscling	**102**		
Feet & Legs	**104**		
Udder	**128**		
Height at cross	101	small	large
Body length	102	short	long
Rump width	106	narrow	wide
Body depth	100	shallow	deep
Rump angle	95	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	98	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	101	short	long
Fore udder att.	119	loose	tight
Susp. ligament	110	weak	strong
Udder depth	117	deep	high
Teat length	91	short	long
Teat thickness	87	thin	thick
Teat placem. (front)	116	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	123	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Mckirner Pp*

HB No. 10/866151
LOM DE 09 57260823
Born 21.12.2021

MCFLY Pp*
GS MCDRIVE Pp*
MILA

BIBI
3/3 11649 4,23 493 3,60 420

MILCHPRINZ
BIFI
5/5 10343 4,33 448 3,27 338

VERDI

Protein | **Longevity** | **Maternal bloodline**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 130** 74%

MILK INDEX **MI 123** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+817	-0,05	+30	+0,05	+34

BEEF PERFORMANCE **BI 103** 72%

Daily net gain	Carcass percentage	Carcass grade
107	98	105

FUNCTIONAL TRAITS **FIT 116** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	116	102	115	110	105	109	97	126

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**98**		
Muscling	**109**		
Feet & Legs	**112**		
Udder	**113**		
Height at cross	95	small	large
Body length	100	short	long
Rump width	104	narrow	wide
Body depth	104	shallow	deep
Rump angle	92	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	108	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	107	short	long
Rear udder length	102	short	long
Fore udder att.	114	loose	tight
Susp. ligament	94	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)	93	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	105	add. teats	clean udder

genomic

genomic

Morgan PP*

HB No. 10/861400
LOM DE 09 56564969
Born 23.02.2022

aAa **516342**

MARTINUS P*S
MUNTER P*S
ZENZI Pp*

PEPSI Pp*
2/2 6962 4,43 309 3,50 244

VIEHSCHEID P*S
PETRISA
6/6 8895 4,48 399 3,57 317

RAJAN

Milk	Udder health	Udder

A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 130** 72%

MILK INDEX **MI 123** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+760	+0,08	+39	+0,00	+27

BEEF PERFORMANCE **BI 110** 68%

Daily net gain	Carcass percentage	Carcass grade
113	104	108

FUNCTIONAL TRAITS **FIT 110** 76%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	113	110	111	116	105	97	101	126

Pepsi Pp, dam of Morgan PP

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**94**		
Muscling	**110**		
Feet & Legs	**101**		
Udder	**113**		
Height at cross	90	small	large
Body length	102	short	long
Rump width	97	narrow	wide
Body depth	105	shallow	deep
Rump angle	98	ascending	sloped
Hock angularity	108	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	95	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	102	short	long
Fore udder att.	113	loose	tight
Susp. ligament	108	weak	strong
Udder depth	100	deep	high
Teat length	101	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	98	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Instyle PP*

HB No. 10/874644
LOM DE 09 57673499
Born 05.05.2022

aAa **561423**

IQ P*S
IRREGUT P*S
EPOCHE

BAILA PP*
200 T. 6412 3,81 244 3,13 201

MAJESTAET PP*
BEATRIX Pp*
1/1 8384 4,11 345 3,60 302

MANOLO Pp*

Type	Fat	Longevity

A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 130** 73%

MILK INDEX **MI 123** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+831	+0,04	+39	-0,03	+26

BEEF PERFORMANCE **BI 105** 70%

Daily net gain	Carcass percentage	Carcass grade
112	102	103

FUNCTIONAL TRAITS **FIT 113** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	111	105	117	107	102	101	104	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Muscling	**115**		
Feet & Legs	**111**		
Udder	**126**		
Height at cross	113	small	large
Body length	111	short	long
Rump width	110	narrow	wide
Body depth	111	shallow	deep
Rump angle	112	ascending	sloped
Hock angularity	100	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	105	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	117	short	long
Rear udder length	107	short	long
Fore udder att.	121	loose	tight
Susp. ligament	94	weak	strong
Udder depth	115	deep	high
Teat length	101	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	97	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Hegel

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

aAa **564132**

HERKULES — HERZSCHLAG AMELIE
FRISKA 4/3 7808 5,42 423 3,65 285 — **SISYPHUS** FANILLE 6/6 9682 4,80 465 3,47 336 — **HUTERA**

Components | **Milking speed** | **Udder**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 129** 80%

MILK INDEX **MI 121** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+615	+0,14	+38	+0,02	+23

BEEF PERFORMANCE **BI 112** 78%

Daily net gain	Carcass percentage	Carcass grade
117	106	108

FUNCTIONAL TRAITS **FIT 110** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
120	102	94	100	103	104	120	103	122

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**99**		
Feet & Legs	**100**		
Udder	**120**		
Height at cross	108	small	large
Body length	107	short	long
Rump width	103	narrow	wide
Body depth	102	shallow	deep
Rump angle	108	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	94	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	100	short	long
Fore udder att.	111	loose	tight
Susp. ligament	106	weak	strong
Udder depth	113	deep	high
Teat length	91	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	118	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Merten

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

aAa **546312**

MERCEDES Pp* — MINOR PIGAS PP*
MANDY 1/1 9081 4,25 386 4,01 364 — **WIKINGER** MARINA 4/3 9863 4,13 408 3,79 374 — **RALDI**

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

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 129** 78%

MILK INDEX **MI 115** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+464	-0,06	+14	+0,10	+25

BEEF PERFORMANCE **BI 93** 76%

Daily net gain	Carcass percentage	Carcass grade
102	88	97

FUNCTIONAL TRAITS **FIT 130** 82%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	127	108	130	100	103	119	94	132

Marina, grand dam of Merten, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Muscling	**109**		
Feet & Legs	**118**		
Udder	**137**		
Height at cross	108	small	large
Body length	110	short	long
Rump width	113	narrow	wide
Body depth	107	shallow	deep
Rump angle	88	ascending	sloped
Hock angularity	93	straight	sickled
Hock develop.	111	swollen	dry
Pasterns	114	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	94	short	long
Rear udder length	106	short	long
Fore udder att.	132	loose	tight
Susp. ligament	118	weak	strong
Udder depth	124	deep	high
Teat length	95	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	119	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	107	add. teats	clean udder

genomic

genomic

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** / WASINKA 1/1 8700 4,25 370 3,56 310 — **HUTERA**

Dual purpose	Udder health	Type
	A1A2	
	AB	

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 128** 78%

MILK INDEX **MI 122** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+608	+0,12	+36	+0,08	+28

BEEF PERFORMANCE **BI 107** 75%

Daily net gain	Carcass percentage	Carcass grade
111	108	100

FUNCTIONAL TRAITS **FIT 110** 82%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	119	100	107	99	101	100	102	125

Wasinka, dam of Honk

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**121**		
Muscling	**108**		
Feet & Legs	**107**		
Udder	**117**		
Height at cross	123	small	large
Body length	119	short	long
Rump width	111	narrow	wide
Body depth	120	shallow	deep
Rump angle	105	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	107	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	97	short	long
Rear udder length	96	short	long
Fore udder att.	109	loose	tight
Susp. ligament	97	weak	strong
Udder depth	117	deep	high
Teat length	103	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	115	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	97	add. teats	clean udder

Epikur

HB No. 10/427130
LOM DE 08 17813144
Born 19.09.2020

aAa **465231**

EDELSTEIN — ETOSCHA / 646
BOUNTY 2/1 7351 4,46 328 3,20 235 — **HERZSCHLAG** / BEAUTY 4/4 6868 3,97 273 3,46 238 — **MINT**

Udder	Udder health	Vitality
	A2A2	
	AA	

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 128** 80%

MILK INDEX **MI 116** 88%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+586	+0,00	+25	+0,00	+21

BEEF PERFORMANCE **BI 104** 76%

Daily net gain	Carcass percentage	Carcass grade
109	100	103

FUNCTIONAL TRAITS **FIT 118** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	125	95	119	113	103	102	108	126

Bounty, dam of Epikur

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Muscling	**99**		
Feet & Legs	**111**		
Udder	**131**		
Height at cross	106	small	large
Body length	108	short	long
Rump width	98	narrow	wide
Body depth	94	shallow	deep
Rump angle	110	ascending	sloped
Hock angularity	95	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	111	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	99	short	long
Rear udder length	82	short	long
Fore udder att.	117	loose	tight
Susp. ligament	109	weak	strong
Udder depth	137	deep	high
Teat length	81	short	long
Teat thickness	84	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	123	outwards	inwards
Udder cleanness	98	add. teats	clean udder

Iq P*S

HB No. 10/881194
LOM DE 09 55847392
Born 07.02.2020

aAa **426351**

IRREGUT P*S
- IROKESE P*S
- KIPFE

EPOCHE
4/4 10521 4,68 492 3,75 395
- **HARIBO**
  - EVITA
  - **GS RAU**

7/6 8922 4,46 398 3,63 324

Dual purpose | **Longevity** | **Type**

A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 127** 81%

MILK INDEX **MI 119** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+861	-0,08	+28	-0,05	+26

BEEF PERFORMANCE **BI 113** 80%

Daily net gain	Carcass percentage	Carcass grade
117	112	104

FUNCTIONAL TRAITS **FIT 106** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	111	101	112	108	102	95	100	125

Epoche, dam of Iq PS, 3rd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Muscling	**118**		
Feet & Legs	**103**		
Udder	**119**		
Height at cross	112	small	large
Body length	112	short	long
Rump width	109	narrow	wide
Body depth	109	shallow	deep
Rump angle	107	ascending	sloped
Hock angularity	107	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	102	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	91	short	long
Fore udder att.	116	loose	tight
Susp. ligament	95	weak	strong
Udder depth	120	deep	high
Teat length	107	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	92	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Himmel

HB No. 10/854743
LOM DE 09 55063399
Born 27.09.2019

HURLY
- HULKOR
- AFRA

DAIRYQU
3/2 11283 3,47 392 3,36 380
- **GS WERTVOLL**
  - DYLAN
  - **PAZIFIK**

5/5 8107 3,85 312 3,46 281

Udder | **Milk** | **Udder health**

A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2023) **TMI 126** 80%

MILK INDEX **MI 124** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1265	-0,24	+30	-0,10	+36

BEEF PERFORMANCE **BI 94** 78%

Daily net gain	Carcass percentage	Carcass grade
106	94	92

FUNCTIONAL TRAITS **FIT 109** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	114	95	114	97	111	94	110	121

Dairyqueen, dam of Himmel

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**113**		
Muscling	**100**		
Feet & Legs	**107**		
Udder	**133**		
Height at cross	114	small	large
Body length	111	short	long
Rump width	106	narrow	wide
Body depth	110	shallow	deep
Rump angle	92	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	104	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	116	short	long
Rear udder length	109	short	long
Fore udder att.	121	loose	tight
Susp. ligament	103	weak	strong
Udder depth	115	deep	high
Teat length	98	short	long
Teat thickness	90	thin	thick
Teat placem. (front)	126	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	107	add. teats	clean udder

genomic

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, Ausschlachtung 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
Rahmen	**119**			
Bemuskelung	**102**			
Fundament	**113**			
Euter	**120**			
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 persistence; 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 persistence 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
Format	**119**			
Musculature	**102**			
Membres	**113**			
Mamelle	**120**			
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
Epaisseur jarret	93	épais		fin
Pâturons	118	faible		droit
Epaisseur 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
Frame	**119**			
Muscling	**102**			
Feet & Legs	**113**			
Udder	**120**			
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 cleanness	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: pecularidades géneticas (FH2, FH5, BH2);
Pigm: Porcentaje de crías que muestran pigmentacíon alrededor de los ojos en uno o ambos lados
A2A2, A1A2, A1A1: genotipo beta caseina; AA, AB, BB: genotipo cappa caseina

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, proteina %, proteina 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 écologico (VGTE), es un valor genético que se concentra en aptitud biológica y tipo

CONFORMACIÓN: 47 Hijas

Característica	Indice	tendencia	76 88 100 112 124	tendencia
Tamaño	**119**			
Musculatura	**102**			
Patas y aplomos	**113**			
Ubre	**120**			
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	estaconado		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

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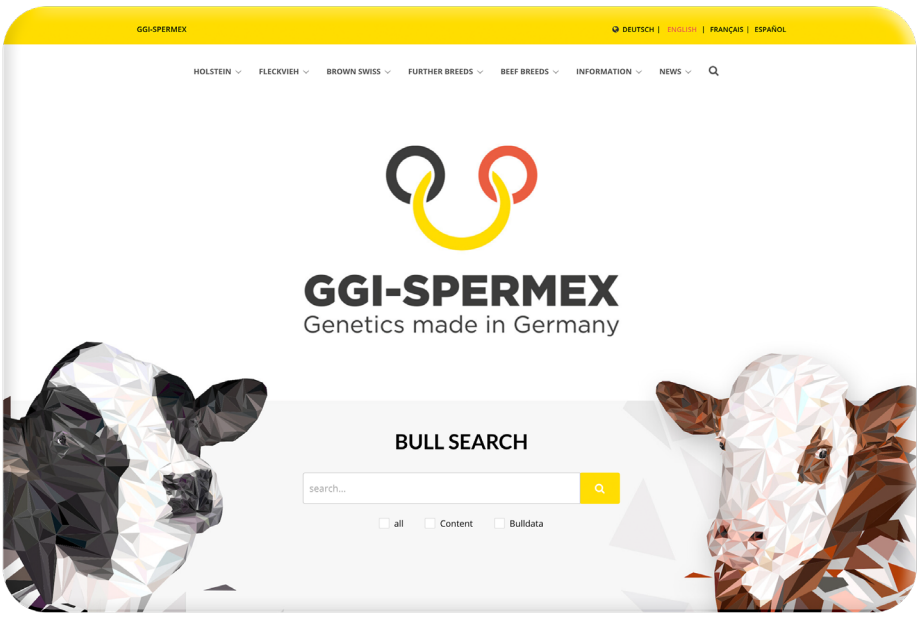

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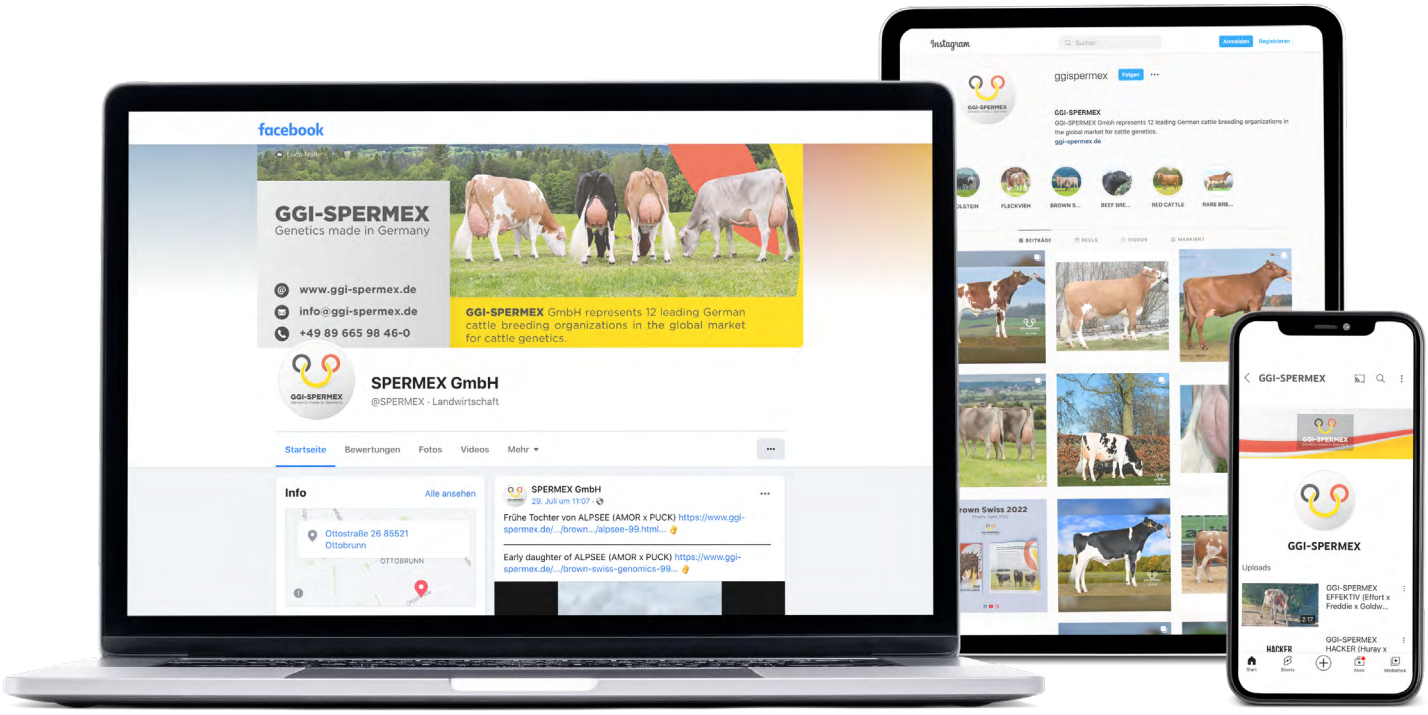

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