2024 GERMAN FLECKVIEH

Sire Catalogue
Proofs: August 2024

M.Wimmer

Distribuidor en España:
IMPORT EXPORT BAS SL

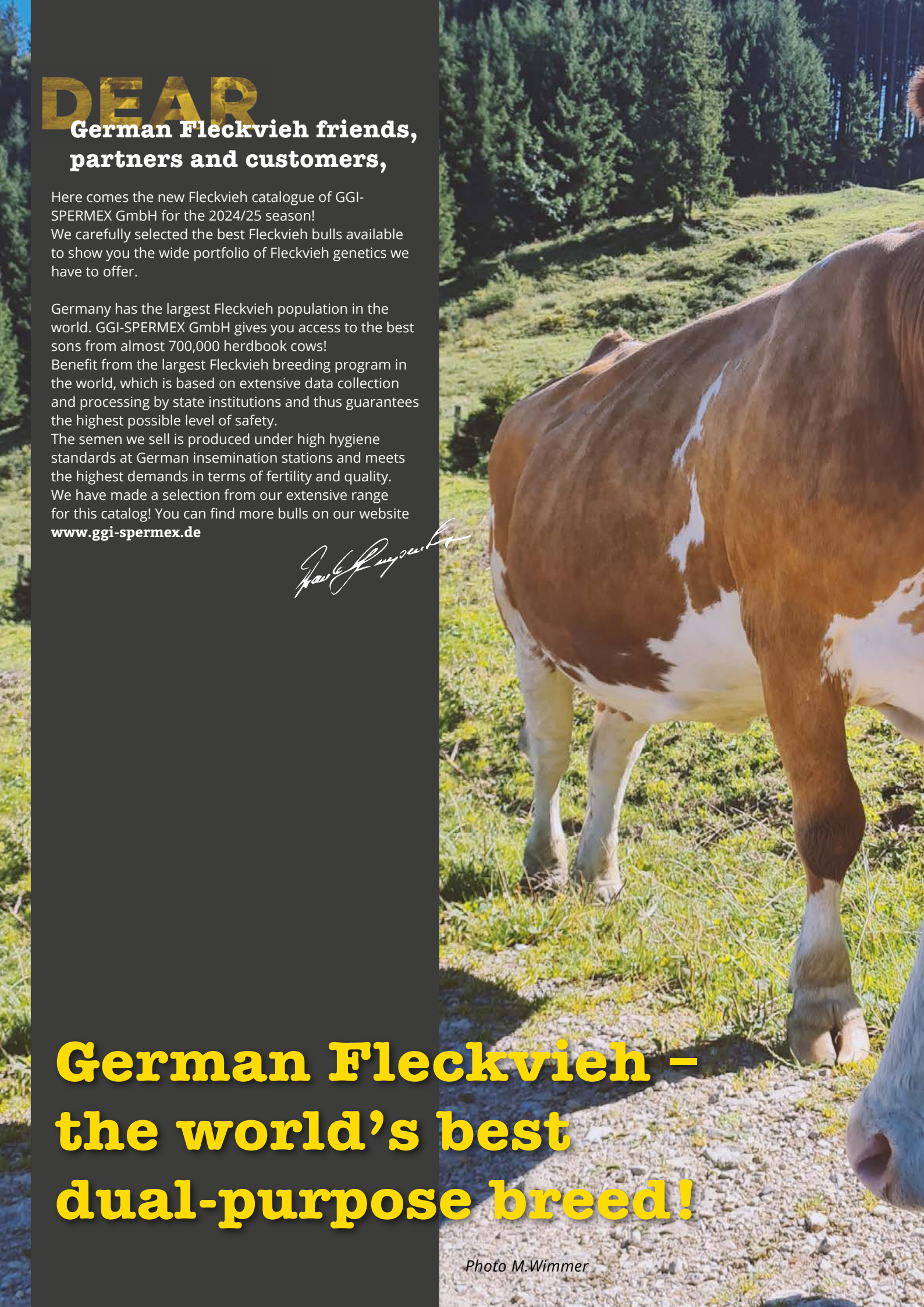
GGI-SPERMEX
Genetics made in Germany

DEAR

German Fleckvieh friends, partners and customers,

Here comes the new Fleckvieh catalogue of GGI-SPERMEX GmbH for the 2024/25 season!
We carefully selected the best Fleckvieh bulls available to show you the wide portfolio of Fleckvieh genetics we have to offer.

Germany has the largest Fleckvieh population in the world. GGI-SPERMEX GmbH gives you access to the best sons from almost 700,000 herdbook cows!
Benefit from the largest Fleckvieh breeding program in the world, which is based on extensive data collection and processing by state institutions and thus guarantees the highest possible level of safety.
The semen we sell is produced under high hygiene standards at German insemination stations and meets the highest demands in terms of fertility and quality.
We have made a selection from our extensive range for this catalog! You can find more bulls on our website **www.ggi-spermex.de**



German Fleckvieh – the world's best dual-purpose breed!

Photo M.Wimmer

A potential second to none

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 production, high components, good type traits, excellent feet & 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.

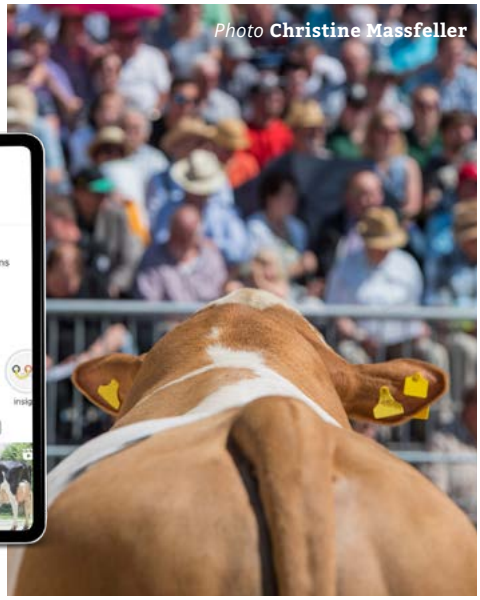


Photo **Christine Massfeller**

German genetics international – on our social media accounts as well as on our website we daily report on new breeding values, new bulls and impressive progeny. We would also like to bring you "among cows" frequently and show you dairy farms, special breeds or A.I. studs. You will get insights into successful herds und different concepts concerning milk production by detailed reports, photos and videos. How do the daughters of the current top sires present themselves abroad? Which breed works particularly well in which regions? How does semen production work in modern insemination centers in Germany?

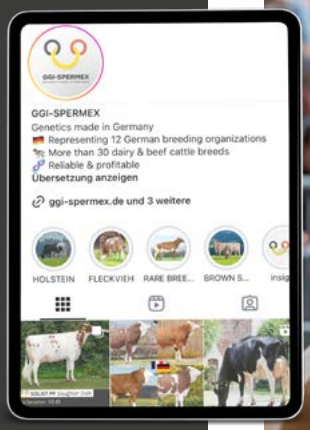
www.ggi-spermex.com
Instagram: ggispermex
Facebook: SPERMEX GmbH / GGI-SPERMEX
Youtube: ggi-spermex
#geneticsmadeingermany

12 German breeding and A.I. organizations

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.

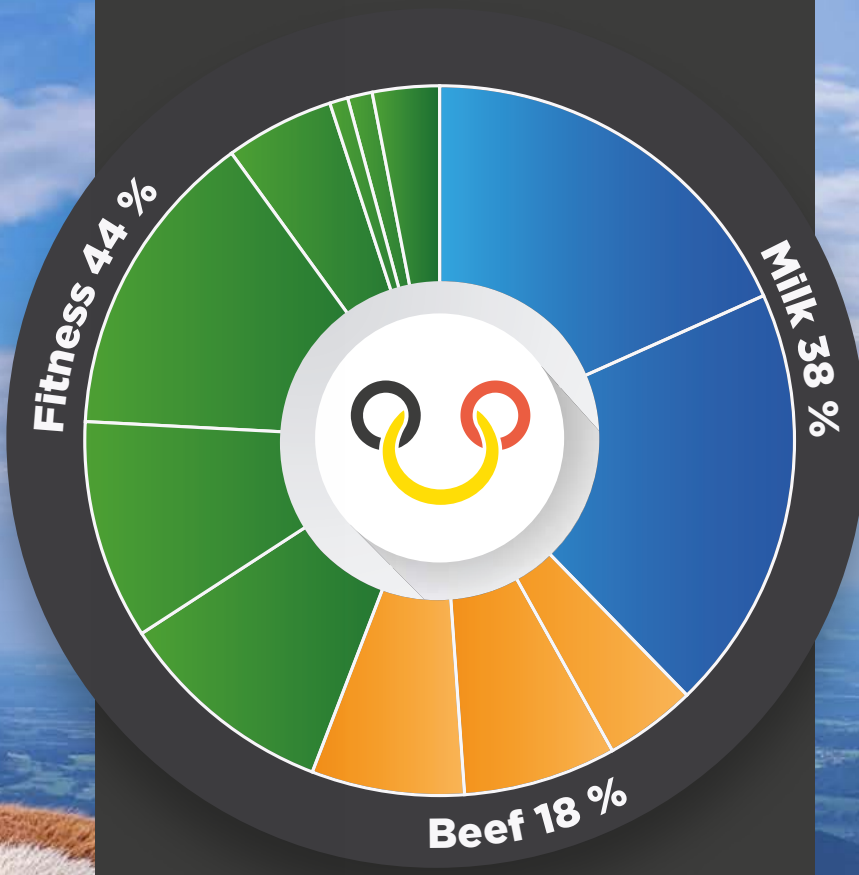
Vast experience

GGI-SPERMEX can look back on decades of experience in exporting bovine semen. This ensures that semen and embryos ordered by our customers always reach their destination in the highest quality and with all documentation necessary.



"Our genetics, your success"

Follow us on different channels and use the personal contact to your sales partner!



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

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.

www.ggi-spermex.de

Photo **M.Wimmer**

Photo **M.Wimmer**

The world's best dual-purpose breed!

Most farms worldwide work with highly specialized cattle breeds today: pure dairy breeds for milk production and pure beef breeds for beef production. The latter are often used for crossbreeding on dairy cows to produce calves for fattening („beef on dairy").

With the Fleckvieh breed, we are consciously going a different way - beef AND dairy! Because this breed is very good at both: the females are excellent dairy cows with high components and milk performances of over 10,000 kg of milk, the male calves grow to powerful fattening bulls with daily gains of up to 2,000 g. There is no other genetics in the world capable of dual-purpose at this level.
We would like to explain the advantages and differences of the breed briefly here.

Dual-purpose at the highest level

Southern Germany and Austria are the main breeding areas and there are well over a million dairy cows of the breed. There are not many Holstein or suckler cow herds in this region, because the majority of milk and beef comes from dual-purpose Fleckvieh. This alone speaks for the high performance potential and the satisfaction of farmers with the breed.
Almost 700,000 German herd book cows produced an average of 8,354 kg milk with 4.17 % fat and 3.52 % protein in 2023 (source: BRS annual report). Compared to 2013, the average performance could be increased by nearly 1,000 kg of milk. Fleckvieh adapts to all management systems, from extensive and organic farms with pasture grazing to intensive arable farms. In case of intensive feeding, daily milk yields of more than 40 kg of milk are not uncommon with high components and in recent years more and more farms have exceeded the herd average of 10,000 kg of milk. However, the breed also works well in organic and extensive farms: the cows show high performance from only grass and maintain a top body condition.

Let's get to beef production: worthless bull calves - not with Fleckvieh! While male dairy calves often have to be sold at a price of less than 50 €, purebred Fleckvieh bull calves achieve top prices. In Germany, the price for a four-week-old bull calf with 80 kg of live weight is between 450 and 800 €. This is an additional income for the farmer, which can very well buffer low milk prices. Male calves are in great demand among farmers who do bull fattening, because they achieve high daily gains and best trade classes. They can easily compete with bulls of pure beef breeds.
The additional proceeds of the well-muscled slaughter cow are also not to be disregarded. Cows that do not get pregnant anymore or can no longer be kept on the farm for other reasons can be easily fatted without becoming overfat.

Climate protection and efficiency

With the dual-purpose breed Fleckvieh you can produce two products (milk & beef) with one animal. It is no longer necessary to keep a cow specially bred for milk and a cow specifically bred for beef. This reduces the number of animals


Luca Nolli


M.Wimmer

required per hectare and product unit, which is enormously efficient and climate relevant. In times of limited land and resources, it is extremely important to produce as much as possible with as few animals as necessary.

Robustness, fertility and longevity

The strong muscling also in dairy cows often causes skepticism among farmers who have worked with pure dairy cattle breeds. A „fleshy" cow cannot give milk, according to the long-standing opinion. The opposite is the case. When the milk yield in the first third of lactation rises to 40 kg and more per day, angular, skinny animals often slip into a strong energy deficit. The consequences are metabolic diseases, fertility problems, susceptibility to Mortellaro and other diseases. The Fleckvieh cow, however, can feed on its reserves. It simply melts body substance and remains healthy and fertile even at high performance. This also leads to an enormous lifespan and longevity in Fleckvieh cows. For example, the world's oldest living dairy cow is a Fleckvieh cow: RADON daughter Liebe is 29 years old now, has produced over 170,000 kg of milk and enjoys her retirement in the breeder's barn.

Organized breeding, genomic selection and highly reliable data

For over 100 years, breeders in the area have organized themselves into breeding associations and the herd books have existed for as long as they have. Artificial insemination was established soon after the World War II and now accounts for over 90 % of all inseminations. Both the breeding value assessment and data collection are carried out by state institutes from Germany and Austria. It is completely independent of the economic interests of the breeding organizations, which leads to a great confidence in the breeding values. Since 2011, genomic selection has been in place and since 2021 the breeding values have been estimated with the world's most current single step model.

Polled genetics

For several decades, breeding for polled animals has been forced in the breed. For both animal welfare and economic reasons, it is very welcome if the calves are already born without horns. The polled gene was introduced from Fleckvieh Beef lines and Red Holstein. Today the breed has numerous polled bloodlines and homozygous polled bulls at the level of their horned colleagues. Bulls like MERKEL1 PP or currently MENZEL PP offer 100 % polled calves without having to compromise on other characteristics.

Variety of bloodlines and lowest inbreeding coefficient

Of all modern dairy cattle breeds, Fleckvieh has by far the lowest inbreeding coefficient, which is approx. 3.6 % (A.I. bulls) and 3 % (cows), this is also due to the enormous diversity of bloodlines of the breed. From no less than 19 active paternal bloodlines, bulls are purchased annually for insemination.

For more information please visit ggi-spermex.de

Short presentation of bull mothers from our breeding program

Glossy Pp

Born: **08/2020**
Pedigree: **EDELSTEIN x MUERITZ PS x MAHANGO Pp**
Production: **2/301 9154 4,41 404 3,86 353**
TMI: **128,** MI: **114**
Type traits: **87-84-82-87**
Breeder: **Pilz Martin, Kallmünz (Bavaria)**
Sons: **VANTOM PS**

Glossy Pp is the perfect second-calver cow. She combines all: perfect type traits on show level with strong muscling, a long, broad body, strong feet and legs and an outstanding udder with excellent texture. She convinces with a production of more than 9.000 kg of milk with excellent components and nearly 3,9 % protein. Her owner, Martin Pilz states: „She is a great cow and the more so because she is naturally polled!"

Udder of Glossy Pp, 2nd lac.
Photo: M. Wimmer

Glossy Pp

Photo **M.Wimmer**

Miriam

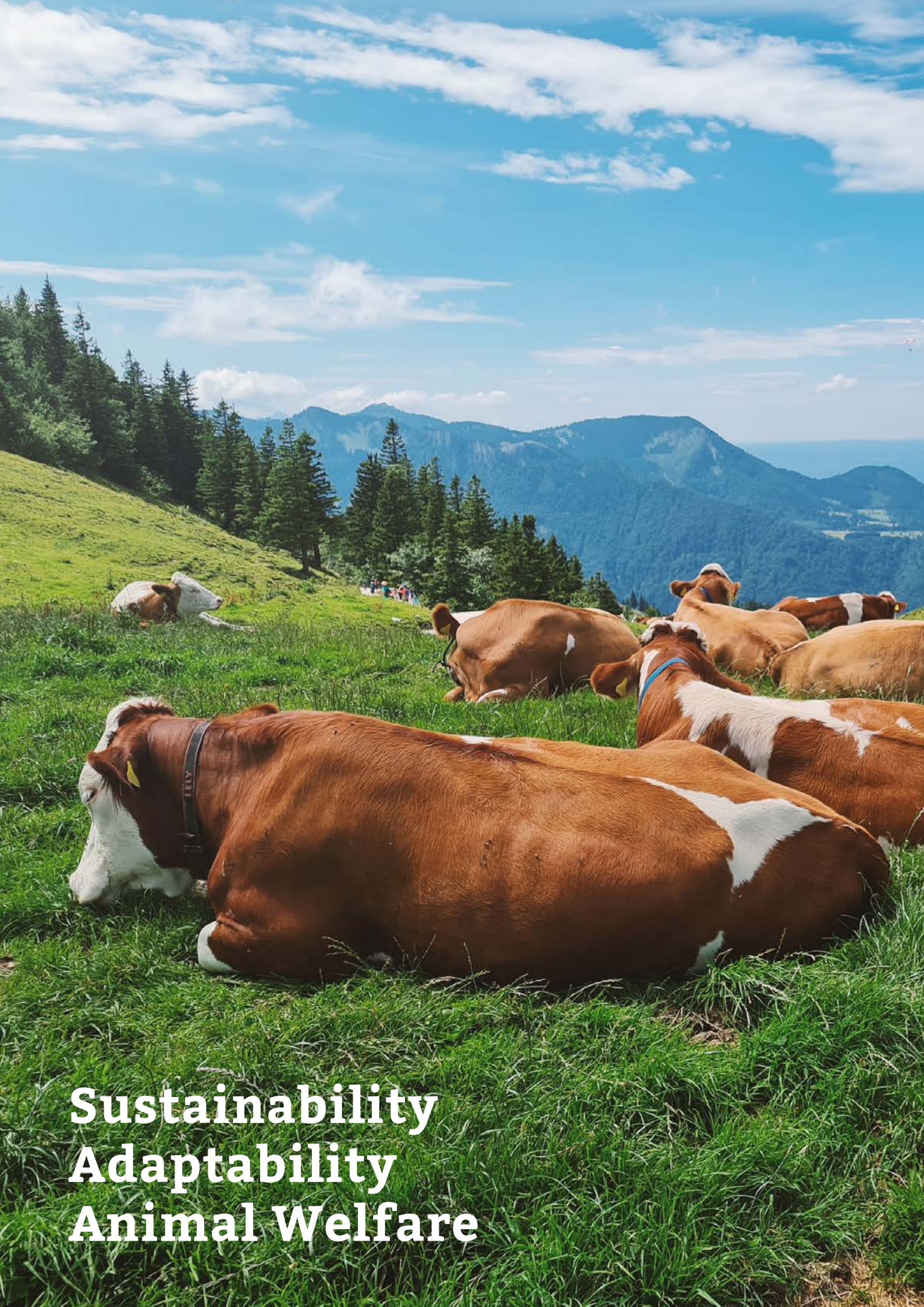
Born: **01/2019**
Pedigree: **HERZPOCHEN x MANDRIN x MANIGO**
Production: **2/2 10181 4,37 444 3,60 366**
TMI: **133,** MW: **125**
Type traits: **85-86-86-87**
Breeder: **Estelmann Hans and Maria, Gerolfing (Bavaria)**
Sons: **WACKEN, SIRI, MCPOCHEN;**
Grandsons: **KAISER5, MULTI PS, ROSENROT Pp**

Miriam represents the Fleckvieh breed more than any other cow. She is a halfsister to the famous sire Hashtag and a daughter of the well-known Herzpochen. Miriam offers the complete package consisting of outstanding breeding values, excellent performance and high components. All in all, she is the perfect dual-purpose cow.

Udder of Miriam, 2nd lac.
Photo: M. Wimmer

Miriam

Photo **M.Wimmer**



Sustainability
Adaptability
Animal Welfare

Healthy cows – healthy food.

Photo **M.Wimmer**

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 environmental-friendly food production.

Fleckvieh easily adapts to all kinds of environmental conditions

Fleckvieh can be kept in barn- and pasture-based management systems. 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 animals are exposed to increased solar radiation, they profit from their excellent pigmentation, especially around the eyes.

progeny tested

Hashtag

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

aAa **432561**

HAYABUSA — HERZSCHLAG ANICA
MAXIMA 3/2 11384 4,32 492 3,39 386 — **MANDRIN** MIAMI 7/7 8266 4,18 346 3,61 299 — **MANIGO**

Milk | **Udder health** | **Feet & Legs**

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 143** 97%

MILK INDEX (D: 1262, H: 668) **MI 129** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1313	-0,06	+49	-0,10	+37

BEEF PERFORMANCE **BI 122** 99%

Daily net gain	Carcass percentage	Carcass grade
125	119	110

FUNCTIONAL TRAITS **FIT 109** 96%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	113	110	107	108	108	99	105	137

Daughter of Hashtag, 1st lac.

LINEAR DESCRIPTION 510 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Muscling	**103**		
Feet & Legs	**115**		
Udder	**107**		
Height at cross	112	small	large
Body length	110	short	long
Rump width	105	narrow	wide
Body depth	106	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	112	swollen	dry
Pasterns	104	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	111	short	long
Fore udder att.	96	loose	tight
Susp. ligament	104	weak	strong
Udder depth	104	deep	high
Teat length	93	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	86	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	102	add. teats	clean udder

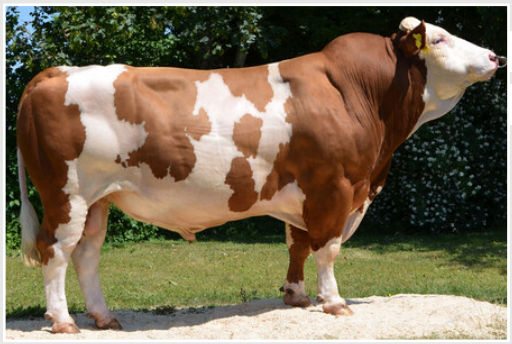
Zeiger

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 2024) **TMI 140** 98%

MILK INDEX (D: 2232, H: 1173) **MI 119** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+780	-0,01	+32	-0,02	+26

BEEF PERFORMANCE **BI 121** 99%

Daily net gain	Carcass percentage	Carcass grade
118	123	107

FUNCTIONAL TRAITS **FIT 117** 97%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	123	114	109	91	105	111	92	133

Daughter of Zeiger

LINEAR DESCRIPTION 804 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**99**		
Muscling	**101**		
Feet & Legs	**103**		
Udder	**102**		
Height at cross	96	small	large
Body length	102	short	long
Rump width	109	narrow	wide
Body depth	97	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	96	weak	strong
Foot angle	99	low angles	steep angles
Fore udder length	95	short	long
Rear udder length	109	short	long
Fore udder att.	98	loose	tight
Susp. ligament	105	weak	strong
Udder depth	103	deep	high
Teat length	102	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	96	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	91	outwards	inwards
Udder cleanness	103	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Monopoly P*S

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

aAa **543612** Pigm.: 35%

MANOLO Pp* — MANIGO / FANFEE

GOLKA 7/7 11070 4,02 445 3,35 371 — **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 2024) **TMI 138** 96%

MILK INDEX (D: 637, H: 460) **MI 122** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1049	-0,22	+24	+0,02	+39

BEEF PERFORMANCE **BI 116** 98%

Daily net gain	Carcass percentage	Carcass grade
115	116	107

FUNCTIONAL TRAITS **FIT 115** 95%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
87	112	118	117	98	104	102	105	135

Rolex, daughter of Monopoly PS

LINEAR DESCRIPTION 184 DAUGHTERS

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

Hochadel

HB No. 10/854601
LOM DE 09 54350147
Born 06.04.2019

aAa **423561**

HERZPOCHEN — HERZSCHLAG / BANDITA

ITAMI 6/5 8260 4,68 386 3,80 314 — **ETOSCHA** ISUNA 3/3 9782 4,57 447 3,48 341 — **ZASPIN**

Longevity | **Type** | **Components**

A1A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 137** 90%

MILK INDEX (D: 122, H: 99) **MI 120** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+604	+0,14	+37	+0,02	+23

BEEF PERFORMANCE **BI 116** 94%

Daily net gain	Carcass percentage	Carcass grade
112	112	111

FUNCTIONAL TRAITS **FIT 119** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	117	95	120	104	99	115	100	130

Daughter of Hochadel, 1st lac.

LINEAR DESCRIPTION 60 DAUGHTERS

Trait	Index	Tendency 76	88	100	112	124	136	Tendency
Frame	**96**							
Muscling	**110**							
Feet & Legs	**112**							
Udder	**117**							
Height at cross	96	small						large
Body length	98	short						long
Rump width	99	narrow						wide
Body depth	96	shallow						deep
Rump angle	95	ascending						sloped
Hock angularity	86	straight						sickled
Hock develop.	85	swollen						dry
Pasterns	118	weak						strong
Foot angle	116	low angles						steep angles
Fore udder length	105	short						long
Rear udder length	103	short						long
Fore udder att.	117	loose						tight
Susp. ligament	106	weak						strong
Udder depth	114	deep						high
Teat length	105	short						long
Teat thickness	94	thin						thick
Teat placem. (front)	105	wide						close
Teat placem. (rear)	109	wide						close
Teat direction (rear)	105	outwards						inwards
Udder cleanness	104	add. teats						clean udder

progeny tested

progeny tested

Horotto

HB No. 10/858718
LOM DE 09 54636586
Born 23.02.2019

aAa **513462**

HOKUSPOKUS — HURLY / NELLE
ANOTTA 5/4 9389 5,01 470 3,56 334 — **HERZSCHLAG** ANETTE 8/7 9162 4,44 407 3,64 333 — **WILLE**

Milk-kg | **Daily gain** | **Fertility**

A1A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 132** 93%

MILK INDEX (D: 322, H: 232) **MI 124** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1176	-0,08	+41	-0,12	+31

BEEF PERFORMANCE **BI 123** 98%

Daily net gain	Carcass percentage	Carcass grade
131	119	107

FUNCTIONAL TRAITS **FIT 102** 91%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	100	97	93	99	101	111	95	122

Daughter of Horotto, 1st lac.

LINEAR DESCRIPTION 104 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**121**		
Muscling	**99**		
Feet & Legs	**101**		
Udder	**113**		
Height at cross	121	small	large
Body length	118	short	long
Rump width	111	narrow	wide
Body depth	118	shallow	deep
Rump angle	95	ascending	sloped
Hock angularity	94	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	96	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	98	short	long
Fore udder att.	112	loose	tight
Susp. ligament	94	weak	strong
Udder depth	111	deep	high
Teat length	96	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	95	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 5/4 10044 4,11 413 3,73 375 — **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 2024) **TMI 132** 97%

MILK INDEX (D: 1588, H: 830) **MI 116** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+619	+0,01	+27	-0,01	+21

BEEF PERFORMANCE **BI 94** 99%

Daily net gain	Carcass percentage	Carcass grade
92	90	104

FUNCTIONAL TRAITS **FIT 123** 96%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	122	109	121	91	109	112	104	128

Covid, daughter of Wettiner, 1st lac.

LINEAR DESCRIPTION 504 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**99**		
Muscling	**114**		
Feet & Legs	**96**		
Udder	**106**		
Height at cross	97	small	large
Body length	99	short	long
Rump width	104	narrow	wide
Body depth	106	shallow	deep
Rump angle	92	ascending	sloped
Hock angularity	102	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	95	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	97	short	long
Rear udder length	102	short	long
Fore udder att.	110	loose	tight
Susp. ligament	99	weak	strong
Udder depth	104	deep	high
Teat length	120	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	88	wide	close
Teat placem. (rear)	84	wide	close
Teat direction (rear)	93	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Zafon

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

ZAZU — ZEPTER / FARINYA
MEGGY 4/3 11861 4,02 477 3,38 401 — **HERZSCHLAG** / MARGIT 2/2 9096 4,22 384 3,74 340 — **HURRICAN**

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

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 131** 92%

MILK INDEX (D: 251, H: 165) **MI 119** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+901	-0,04	+34	-0,11	+22

BEEF PERFORMANCE **BI 111** 97%

Daily net gain	Carcass percentage	Carcass grade
104	107	111

FUNCTIONAL TRAITS **FIT 113** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	120	106	110	101	107	104	96	127

Daughter of Zafon

LINEAR DESCRIPTION 111 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**94**		
Muscling	**109**		
Feet & Legs	**107**		
Udder	**108**		
Height at cross	91	small	large
Body length	97	short	long
Rump width	110	narrow	wide
Body depth	94	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	94	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	98	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	111	short	long
Rear udder length	101	short	long
Fore udder att.	104	loose	tight
Susp. ligament	98	weak	strong
Udder depth	101	deep	high
Teat length	94	short	long
Teat thickness	87	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Vichy

HB No. 10/858442
LOM DE 09 53884855
Born 13.09.2018

VILLEROY — REUMUT / LIMA
LILARA 4/3 10347 4,30 445 3,77 390 — **WILSON** / LILIANA 4/4 9827 4,21 414 3,77 370 — **GS MG**

Milk **Beef** **Longevity**

A1A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 130** 91%

MILK INDEX (D: 203, H: 152) **MI 118** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+754	-0,06	+26	+0,00	+27

BEEF PERFORMANCE **BI 114** 95%

Daily net gain	Carcass percentage	Carcass grade
109	112	111

FUNCTIONAL TRAITS **FIT 110** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	99	104	112	99	104	107	110	128

Daughter of Vichy, 1st lac.

LINEAR DESCRIPTION 74 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**87**		
Muscling	**105**		
Feet & Legs	**111**		
Udder	**109**		
Height at cross	85	small	large
Body length	93	short	long
Rump width	89	narrow	wide
Body depth	88	shallow	deep
Rump angle	91	ascending	sloped
Hock angularity	85	straight	sickled
Hock develop.	90	swollen	dry
Pasterns	109	weak	strong
Foot angle	114	low angles	steep angles
Fore udder length	94	short	long
Rear udder length	103	short	long
Fore udder att.	119	loose	tight
Susp. ligament	108	weak	strong
Udder depth	106	deep	high
Teat length	109	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	91	wide	close
Teat direction (rear)	94	outwards	inwards
Udder cleanness	99	add. teats	clean udder

progeny tested

progeny tested

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 2024) **TMI 130** 98%

MILK INDEX (D: 1253, H: 856) **MI 115** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+229	+0,18	+24	+0,15	+21

BEEF PERFORMANCE **BI 110** 99%

Daily net gain	Carcass percentage	Carcass grade
111	113	101

FUNCTIONAL TRAITS **FIT 114** 98%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	113	102	105	107	98	114	106	123

Whisky, daughter of Hokuspokus, 2nd lact.

LINEAR DESCRIPTION 274 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Muscling	**101**		
Feet & Legs	**111**		
Udder	**120**		
Height at cross	109	small	large
Body length	106	short	long
Rump width	102	narrow	wide
Body depth	108	shallow	deep
Rump angle	94	ascending	sloped
Hock angularity	111	straight	sickled
Hock develop.	112	swollen	dry
Pasterns	100	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	99	short	long
Rear udder length	97	short	long
Fore udder att.	118	loose	tight
Susp. ligament	95	weak	strong
Udder depth	115	deep	high
Teat length	93	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	113	wide	close
Teat placem. (rear)	98	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	98	add. teats	clean udder

Sido

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

aAa **543621** Pigm.: 37%

SYSTEM — SALDANA / ORLANDO
LEXI 5/5 9577 3,88 372 3,60 345 — **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 2024) **TMI 130** 97%

MILK INDEX (D: 2249, H: 1332) **MI 115** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+933	-0,10	+30	-0,17	+17

BEEF PERFORMANCE **BI 115** 99%

Daily net gain	Carcass percentage	Carcass grade
117	114	106

FUNCTIONAL TRAITS **FIT 112** 96%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
121	116	106	106	103	100	110	89	127

Daughter of Sido, 1st lac.

LINEAR DESCRIPTION 860 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**113**		
Muscling	**97**		
Feet & Legs	**96**		
Udder	**112**		
Height at cross	115	small	large
Body length	115	short	long
Rump width	103	narrow	wide
Body depth	106	shallow	deep
Rump angle	112	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	89	swollen	dry
Pasterns	103	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	93	short	long
Rear udder length	96	short	long
Fore udder att.	104	loose	tight
Susp. ligament	93	weak	strong
Udder depth	119	deep	high
Teat length	101	short	long
Teat thickness	115	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	97	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Himmel

HB No. 10/854743
LOM DE 09 55063399
Born 27.09.2019

aAa **453621**

HURLY — HULKOR / AFRA
DAIRYQU 4/3 10665 3,45 368 3,35 357 — **GS WERTVOLL** DYLAN 6/5 8107 3,85 312 3,46 281 — **PAZIFIK**

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

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 129** 92%

MILK INDEX (D: 242, H: 164) **MI 127** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1602	-0,29	+39	-0,19	+39

BEEF PERFORMANCE **BI 89** 97%

Daily net gain	Carcass percentage	Carcass grade
106	86	89

FUNCTIONAL TRAITS **FIT 112** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	124	100	114	97	106	92	108	124

Red Rose, daughter of Himmel, 1st lac.

LINEAR DESCRIPTION 97 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**122**		
Muscling	**103**		
Feet & Legs	**108**		
Udder	**135**		
Height at cross	120	small	large
Body length	121	short	long
Rump width	121	narrow	wide
Body depth	120	shallow	deep
Rump angle	83	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	107	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	112	short	long
Rear udder length	107	short	long
Fore udder att.	128	loose	tight
Susp. ligament	102	weak	strong
Udder depth	119	deep	high
Teat length	99	short	long
Teat thickness	90	thin	thick
Teat placem. (front)	126	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	112	outwards	inwards
Udder cleanness	107	add. teats	clean udder

Hazienda

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

aAa **456231** Pigm.: 39%

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

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

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 129** 92%

MILK INDEX (D: 171, H: 130) **MI 114** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+428	+0,07	+24	+0,04	+19

BEEF PERFORMANCE **BI 118** 92%

Daily net gain	Carcass percentage	Carcass grade
103	127	109

FUNCTIONAL TRAITS **FIT 112** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
94	107	99	116	104	103	106	105	125

Wilma, daughter of Hazienda

LINEAR DESCRIPTION 62 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**91**		
Muscling	**96**		
Feet & Legs	**109**		
Udder	**108**		
Height at cross	89	small	large
Body length	91	short	long
Rump width	89	narrow	wide
Body depth	95	shallow	deep
Rump angle	87	ascending	sloped
Hock angularity	94	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	106	weak	strong
Foot angle	98	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	103	short	long
Fore udder att.	103	loose	tight
Susp. ligament	100	weak	strong
Udder depth	100	deep	high
Teat length	107	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	103	add. teats	clean udder

progeny tested

progeny tested

Exklusiv

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

aAa **345216** GF.: MSC Pigm.: 48%

ETOSCHA — EVEREST MINA
NAPOLI 5/5 12572 4,27 536 3,39 426 — **WABAN** NICOLA 5/5 11203 4,47 501 3,50 393 — **RUPTAL**

Fat-% Fertility Udder

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 129** 98%

MILK INDEX (D: 2201, H: 1175) **MI 114** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+375	+0,16	+30	+0,01	+14

BEEF PERFORMANCE **BI 109** 99%

Daily net gain	Carcass percentage	Carcass grade
103	104	112

FUNCTIONAL TRAITS **FIT 115** 98%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
92	109	95	108	107	102	119	104	116

1071, daughter of Exklusiv

LINEAR DESCRIPTION 735 DAUGHTERS

Trait	Index	Tendency 76	88	100	112	124	136	Tendency
Frame	**86**							
Muscling	**98**							
Feet & Legs	**110**							
Udder	**113**							
Height at cross	84	small						large
Body length	93	short						long
Rump width	96	narrow						wide
Body depth	87	shallow						deep
Rump angle	94	ascending						sloped
Hock angularity	94	straight						sickled
Hock develop.	93	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.	104	loose						tight
Susp. ligament	113	weak						strong
Udder depth	108	deep						high
Teat length	94	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	104	add. teats						clean udder

Elsando

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

GF.: MSC Pigm.: 13%

ETOSCHA — EVEREST MINA
HERZOGIN 10/9 13068 3,78 494 3,69 482 — **REUMUT** HANNA 11/9 11152 4,23 472 3,56 398 — **WEINOLD**

Udder Fitness Beef

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 129** 93%

MILK INDEX (D: 129, H: 96) **MI 106** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+565	-0,28	-1	-0,04	+17

BEEF PERFORMANCE **BI 115** 93%

Daily net gain	Carcass percentage	Carcass grade
108	120	104

FUNCTIONAL TRAITS **FIT 124** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
91	121	98	119	106	103	119	103	125

Esche, daughter of Elsando

LINEAR DESCRIPTION 74 DAUGHTERS

Trait	Index	Tendency 76	88	100	112	124	136	Tendency
Frame	**104**							
Muscling	**100**							
Feet & Legs	**103**							
Udder	**112**							
Height at cross	103	small						large
Body length	109	short						long
Rump width	104	narrow						wide
Body depth	98	shallow						deep
Rump angle	109	ascending						sloped
Hock angularity	100	straight						sickled
Hock develop.	94	swollen						dry
Pasterns	102	weak						strong
Foot angle	115	low angles						steep angles
Fore udder length	113	short						long
Rear udder length	91	short						long
Fore udder att.	100	loose						tight
Susp. ligament	103	weak						strong
Udder depth	107	deep						high
Teat length	96	short						long
Teat thickness	98	thin						thick
Teat placem. (front)	123	wide						close
Teat placem. (rear)	101	wide						close
Teat direction (rear)	103	outwards						inwards
Udder cleanness	110	add. teats						clean udder

Whitelake

HB No. 10/869023
LOM DE 09 54727905
Born 05.10.2019

WEISSENSEE — WABAN / LUXA
CORA 5/3 8454 4,03 340 3,61 305 — **HURLY** CORA 7/7 9741 4,01 390 3,42 333 — **SAFIR**

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

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 128** 91%

MILK INDEX (D: 227, H: 188) **MI 113** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+692	-0,13	+17	-0,04	+21

BEEF PERFORMANCE **BI 110** 97%

Daily net gain	Carcass percentage	Carcass grade
115	105	107

FUNCTIONAL TRAITS **FIT 115** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	122	104	110	108	107	104	102	126

Daughter of Whitelake, 1st lac.

LINEAR DESCRIPTION 89 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**116**		
Muscling	**105**		
Feet & Legs	**104**		
Udder	**123**		
Height at cross	114	small	large
Body length	119	short	long
Rump width	109	narrow	wide
Body depth	111	shallow	deep
Rump angle	113	ascending	sloped
Hock angularity	114	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	101	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	108	short	long
Fore udder att.	120	loose	tight
Susp. ligament	102	weak	strong
Udder depth	112	deep	high
Teat length	93	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	113	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Poldi

HB No. 10/167776
LOM DE 09 54314273
Born 20.06.2019

aAa **564132**

PUDERBAER — PERON / EASY
VRONI 2/2 11113 4,03 448 3,56 396 — **VIANO** 444 3/2 9604 3,50 336 3,44 330 — **NARR**

Fitness | **Type** | **Outcross**

A1A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 128** 88%

MILK INDEX (D: 108, H: 90) **MI 110** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+577	-0,09	+16	-0,09	+12

BEEF PERFORMANCE **BI 108** 93%

Daily net gain	Carcass percentage	Carcass grade
112	107	101

FUNCTIONAL TRAITS **FIT 123** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	130	106	124	105	102	107	97	129

Daughter of Poldi, 1st lac.

LINEAR DESCRIPTION 56 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Muscling	**104**		
Feet & Legs	**112**		
Udder	**129**		
Height at cross	112	small	large
Body length	111	short	long
Rump width	109	narrow	wide
Body depth	109	shallow	deep
Rump angle	101	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	102	weak	strong
Foot angle	96	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	95	short	long
Fore udder att.	126	loose	tight
Susp. ligament	92	weak	strong
Udder depth	127	deep	high
Teat length	95	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	100	add. teats	clean udder

progeny tested

progeny tested

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 4/4 10060 4,06 408 3,86 388 — **WINNIPEG**

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 128** 97%

MILK INDEX (D: 489, H: 332) **MI 109** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+137	+0,02	+8	+0,14	+16

BEEF PERFORMANCE **BI 98** 98%

Daily net gain	Carcass percentage	Carcass grade
94	99	100

FUNCTIONAL TRAITS **FIT 127** 96%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
85	132	99	113	109	101	120	110	123

Apache, daughter of Minor

LINEAR DESCRIPTION 158 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**95**		
Muscling	**98**		
Feet & Legs	**116**		
Udder	**113**		
Height at cross	95	small	large
Body length	97	short	long
Rump width	93	narrow	wide
Body depth	97	shallow	deep
Rump angle	111	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	111	swollen	dry
Pasterns	102	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	93	short	long
Rear udder length	111	short	long
Fore udder att.	111	loose	tight
Susp. ligament	113	weak	strong
Udder depth	107	deep	high
Teat length	108	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	105	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 8/7 10001 3,42 342 3,61 361 — **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 2024) **TMI 127** 95%

MILK INDEX (D: 391, H: 288) **MI 123** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1225	-0,23	+29	-0,09	+35

BEEF PERFORMANCE **BI 104** 98%

Daily net gain	Carcass percentage	Carcass grade
94	113	98

FUNCTIONAL TRAITS **FIT 106** 95%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	111	105	112	101	94	93	104	126

Weltall, daughter of Happyday

LINEAR DESCRIPTION 212 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**95**		
Muscling	**88**		
Feet & Legs	**120**		
Udder	**108**		
Height at cross	96	small	large
Body length	93	short	long
Rump width	91	narrow	wide
Body depth	97	shallow	deep
Rump angle	113	ascending	sloped
Hock angularity	87	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	122	weak	strong
Foot angle	119	low angles	steep angles
Fore udder length	111	short	long
Rear udder length	111	short	long
Fore udder att.	95	loose	tight
Susp. ligament	112	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)	108	outwards	inwards
Udder cleanness	104	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 2024) **TMI 127** 97%

MILK INDEX (D: 617, H: 361) **MI 119** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+25	+0,58	+49	+0,15	+13

BEEF PERFORMANCE **BI 102** 99%

Daily net gain	Carcass percentage	Carcass grade
98	105	100

FUNCTIONAL TRAITS **FIT 110** 96%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	110	104	101	109	99	112	99	124

Raffa, daughter of Vlaturo

LINEAR DESCRIPTION 248 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Muscling	**103**		
Feet & Legs	**111**		
Udder	**110**		
Height at cross	112	small	large
Body length	114	short	long
Rump width	105	narrow	wide
Body depth	97	shallow	deep
Rump angle	112	ascending	sloped
Hock angularity	81	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	113	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	112	short	long
Rear udder length	97	short	long
Fore udder att.	104	loose	tight
Susp. ligament	98	weak	strong
Udder depth	110	deep	high
Teat length	95	short	long
Teat thickness	111	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	99	add. teats	clean udder

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

Udder health **Milk-kg** **Fitness**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 127** 94%

MILK INDEX (D: 248, H: 177) **MI 110** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+905	-0,35	+6	-0,13	+20

BEEF PERFORMANCE **BI 106** 96%

Daily net gain	Carcass percentage	Carcass grade
108	101	106

FUNCTIONAL TRAITS **FIT 122** 93%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
84	118	104	117	97	107	114	108	125

Daughter of Elevation

LINEAR DESCRIPTION 116 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Muscling	**108**		
Feet & Legs	**110**		
Udder	**110**		
Height at cross	108	small	large
Body length	110	short	long
Rump width	105	narrow	wide
Body depth	110	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	84	straight	sickled
Hock develop.	92	swollen	dry
Pasterns	118	weak	strong
Foot angle	118	low angles	steep angles
Fore udder length	105	short	long
Rear udder length	95	short	long
Fore udder att.	95	loose	tight
Susp. ligament	110	weak	strong
Udder depth	103	deep	high
Teat length	78	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	116	wide	close
Teat placem. (rear)	118	wide	close
Teat direction (rear)	122	outwards	inwards
Udder cleanness	106	add. teats	clean udder

progeny tested

progeny tested

Vurchtlos Pp*

HB No. 10/862654
LOM DE 09 54391242
Born 22.02.2019

VOTARY P*S — RUHMREICH PS GRANADA
MIRZL 6/5 10524 4,68 493 3,45 363 — **HALL** MARIA 11/11 10421 4,87 508 3,49 364 — **MALINT**

Fat-% | **Fertility** | **Type**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 125** 88%

MILK INDEX (D: 91, H: 73) **MI 117** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+665	+0,07	+34	-0,08	+17

BEEF PERFORMANCE **BI 95** 92%

Daily net gain	Carcass percentage	Carcass grade
100	93	98

FUNCTIONAL TRAITS **FIT 116** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	115	90	114	98	106	116	99	121

Daughter of Vurchtlos, 1st lac.

LINEAR DESCRIPTION 34 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Muscling	**114**		
Feet & Legs	**107**		
Udder	**118**		
Height at cross	107	small	large
Body length	111	short	long
Rump width	106	narrow	wide
Body depth	106	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	91	swollen	dry
Pasterns	110	weak	strong
Foot angle	114	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	114	short	long
Fore udder att.	110	loose	tight
Susp. ligament	104	weak	strong
Udder depth	106	deep	high
Teat length	96	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	114	outwards	inwards
Udder cleanness	89	add. teats	clean udder

Viamare Pp*

HB No. 10/866060
LOM DE 09 54709491
Born 06.08.2019

VIADUKT — VILLEROY QUATONA
0002752 5/4 7876 5,12 404 3,86 304 — **MAHANGO Pp*** 0082547 3/3 8137 5,28 430 3,87 315 — **ZAUBER**

Milk | **Fertility** | **Calving ease**

A1A1
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 125** 84%

MILK INDEX (D: 39, H: 33) **MI 113** 93%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+484	-0,03	+18	+0,03	+20

BEEF PERFORMANCE **BI 117** 91%

Daily net gain	Carcass percentage	Carcass grade
112	116	109

FUNCTIONAL TRAITS **FIT 111** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	104	101	106	105	102	114	103	122

LINEAR DESCRIPTION 24 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Muscling	**104**		
Feet & Legs	**106**		
Udder	**106**		
Height at cross	104	small	large
Body length	104	short	long
Rump width	99	narrow	wide
Body depth	99	shallow	deep
Rump angle	111	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	91	swollen	dry
Pasterns	107	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	103	short	long
Rear udder length	97	short	long
Fore udder att.	106	loose	tight
Susp. ligament	104	weak	strong
Udder depth	108	deep	high
Teat length	108	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	89	wide	close
Teat placem. (rear)	97	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Hauk

HB No. 10/854653
LOM DE 09 54200963
Born 16.05.2019

aAa **453612**

HERZPOCHEN — HERZSCHLAG / BANDITA
ISA 7/6 9157 4,56 418 3,47 318 — **MANIGO** / IRIS 5/5 8710 4,13 359 3,52 307 — **GS RAU**

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

A1A1
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 125** 91%

MILK INDEX (D: 141, H: 110) **MI 111** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+524	-0,07	+16	-0,04	+15

BEEF PERFORMANCE **BI 110** 97%

Daily net gain	Carcass percentage	Carcass grade
113	104	110

FUNCTIONAL TRAITS **FIT 115** 89%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	119	100	113	100	107	105	103	123

LINEAR DESCRIPTION 63 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Muscling	**119**		
Feet & Legs	**114**		
Udder	**107**		
Height at cross	108	small	large
Body length	115	short	long
Rump width	111	narrow	wide
Body depth	111	shallow	deep
Rump angle	103	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	114	weak	strong
Foot angle	117	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	97	short	long
Fore udder att.	106	loose	tight
Susp. ligament	94	weak	strong
Udder depth	109	deep	high
Teat length	113	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	94	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Hidalgo

HB No. 10/866043
LOM DE 09 54389888
Born 22.02.2019

HILFINGER — HURLY / SAMBA
MARTHA 5/4 8971 4,83 434 3,33 299 — **MANUAP** / MARGOT 5/5 10038 3,82 383 3,28 330 — **ROUND UP**

Milk | **Beef** | **Milking speed**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 124** 89%

MILK INDEX (D: 93, H: 70) **MI 126** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+925	+0,02	+40	+0,04	+37

BEEF PERFORMANCE **BI 111** 93%

Daily net gain	Carcass percentage	Carcass grade
117	110	101

FUNCTIONAL TRAITS **FIT 95** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	102	91	103	104	101	90	97	113

LINEAR DESCRIPTION 49 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Muscling	**88**		
Feet & Legs	**102**		
Udder	**102**		
Height at cross	112	small	large
Body length	108	short	long
Rump width	104	narrow	wide
Body depth	101	shallow	deep
Rump angle	91	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	96	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	115	short	long
Rear udder length	110	short	long
Fore udder att.	101	loose	tight
Susp. ligament	88	weak	strong
Udder depth	95	deep	high
Teat length	109	short	long
Teat thickness	107	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	104	add. teats	clean udder

progeny tested

progeny tested

Marquez Pp

HB No. 10/427113
LOM AT 22 6965 269
Born 23.08.2019

MAJESTAET PP* — MAHANGO Pp* / NICOL Pp*

FLOCKE 5/4 9934 4,04 402 3,76 374 — **STURMWIND** FLECKI 7/7 9525 4,41 420 3,58 341 — **REUMUT**

Longevity | **Udder health** | **Frame**

A1A2 | AA | progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 123** 89%

MILK INDEX (D: 151, H: 100) **MI 110** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+492	-0,02	+19	-0,06	+12

BEEF PERFORMANCE **BI 101** 96%

Daily net gain	Carcass percentage	Carcass grade
104	99	100

FUNCTIONAL TRAITS **FIT 119** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
94	116	99	113	106	112	115	105	123

Flocke, dam of Marquez, 2nd lac.

LINEAR DESCRIPTION 39 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**114**		
Muscling	**103**		
Feet & Legs	**112**		
Udder	**110**		
Height at cross	118	small	large
Body length	112	short	long
Rump width	110	narrow	wide
Body depth	99	shallow	deep
Rump angle	107	ascending	sloped
Hock angularity	95	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	108	weak	strong
Foot angle	117	low angles	steep angles
Fore udder length	99	short	long
Rear udder length	97	short	long
Fore udder att.	103	loose	tight
Susp. ligament	94	weak	strong
Udder depth	113	deep	high
Teat length	104	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Herzblatt

HB No. 10/858842
LOM AT 21 8109 769
Born 14.06.2019

HERZAU — HERZSCHLAG

TAUBE Pp* 3/3 11528 4,07 470 3,50 404 — **MAHANGO Pp*** TERAKOTA 6/5 10419 3,88 405 3,47 361 — **MERTIN**

Dual purpose | **Calving ease** | **Calm character**

A2A2 | AA | progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 122** 87%

MILK INDEX (D: 39, H: 34) **MI 117** 94%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+892	-0,09	+29	-0,13	+20

BEEF PERFORMANCE **BI 118** 93%

Daily net gain	Carcass percentage	Carcass grade
121	109	115

FUNCTIONAL TRAITS **FIT 99** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	93	101	104	114	107	100	99	119

LINEAR DESCRIPTION 33 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Muscling	**97**		
Feet & Legs	**109**		
Udder	**108**		
Height at cross	100	small	large
Body length	104	short	long
Rump width	98	narrow	wide
Body depth	100	shallow	deep
Rump angle	105	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	102	weak	strong
Foot angle	99	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	106	short	long
Fore udder att.	107	loose	tight
Susp. ligament	94	weak	strong
Udder depth	100	deep	high
Teat length	109	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	96	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Hegel

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

aAa **564132** GF.: F4C

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

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 122** 88%

MILK INDEX (D: 63, H: 39) **MI 117** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+518	+0,11	+31	+0,02	+20

BEEF PERFORMANCE **BI 109** 97%

Daily net gain	Carcass percentage	Carcass grade
111	106	105

FUNCTIONAL TRAITS **FIT 104** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
124	99	95	94	102	106	116	97	119

LINEAR DESCRIPTION 39 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**96**		
Feet & Legs	**97**		
Udder	**124**		
Height at cross	108	small	large
Body length	106	short	long
Rump width	103	narrow	wide
Body depth	102	shallow	deep
Rump angle	107	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	98	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	113	short	long
Rear udder length	97	short	long
Fore udder att.	117	loose	tight
Susp. ligament	100	weak	strong
Udder depth	118	deep	high
Teat length	89	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	119	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Ex Machina

HB No. 10/858337
LOM DE 09 53816670
Born 29.05.2018

aAa **426351** Pigm.: 36%

EMMERICH — EVERGREEN BLUSE 93
KOALA 4/4 12513 4,10 513 3,95 494 — **HURLY** KOLIBRI 2/1 7084 4,94 350 4,16 295 — **WILDWEST**

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

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 122** 97%

MILK INDEX (D: 1014, H: 712) **MI 116** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+449	+0,11	+29	+0,03	+18

BEEF PERFORMANCE **BI 96** 99%

Daily net gain	Carcass percentage	Carcass grade
94	102	94

FUNCTIONAL TRAITS **FIT 111** 96%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	100	97	108	108	108	113	110	117

Gina, daughter of Ex Machina

LINEAR DESCRIPTION 346 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**88**		
Muscling	**100**		
Feet & Legs	**103**		
Udder	**114**		
Height at cross	85	small	large
Body length	87	short	long
Rump width	90	narrow	wide
Body depth	100	shallow	deep
Rump angle	99	ascending	sloped
Hock angularity	88	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	95	weak	strong
Foot angle	96	low angles	steep angles
Fore udder length	117	short	long
Rear udder length	115	short	long
Fore udder att.	111	loose	tight
Susp. ligament	111	weak	strong
Udder depth	96	deep	high
Teat length	100	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	93	outwards	inwards
Udder cleanness	102	add. teats	clean udder

progeny tested

progeny tested

Mercury Pp*

HB No. 10/606649
LOM AT 03 0424 969
Born 20.07.2019

aAa **432561**

MAHANGO Pp*
- MUNGO Pp
- FALTER

ANNI
4/3 8619 3,89 336 3,72 320
- **EVERGREEN**
  - ANITA
    4/3 6956 4,28 298 3,58 249
  - **GS WOHLTAT**

Milk | **Milking speed** | **Dual purpose**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 122** 93%

MILK INDEX (D: 373, H: 262) **MI 115** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+654	-0,07	+21	-0,02	+21

BEEF PERFORMANCE **BI 118** 99%

Daily net gain	Carcass percentage	Carcass grade
123	110	112

FUNCTIONAL TRAITS **FIT 102** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
120	101	100	94	99	109	107	96	117

Gunsong PP, daughter of Mercury Pp

LINEAR DESCRIPTION 157 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Muscling	**99**		
Feet & Legs	**111**		
Udder	**97**		
Height at cross	114	small	large
Body length	114	short	long
Rump width	106	narrow	wide
Body depth	106	shallow	deep
Rump angle	113	ascending	sloped
Hock angularity	107	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	111	weak	strong
Foot angle	120	low angles	steep angles
Fore udder length	107	short	long
Rear udder length	108	short	long
Fore udder att.	93	loose	tight
Susp. ligament	92	weak	strong
Udder depth	99	deep	high
Teat length	110	short	long
Teat thickness	111	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Zackzack

HB No. 10/854418
LOM DE 09 54061460
Born 26.08.2018

GF.: MSC

ZOMBIE
- ZAUBER
- OZON

ASBACH
3/2 7511 4,13 310 3,69 277
- **VORUM**
  - ALPENVEILCHE
    2/2 9065 3,61 327 3,76 341
  - **GS RAVE**

Udder | **Longevity** | **Fitness**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 122** 91%

MILK INDEX (D: 167, H: 122) **MI 111** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+504	+0,00	+21	-0,05	+13

BEEF PERFORMANCE **BI 107** 92%

Daily net gain	Carcass percentage	Carcass grade
105	108	102

FUNCTIONAL TRAITS **FIT 111** 89%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
113	112	101	112	104	105	102	108	121

Daughter of Zackzack, 1st lac.

LINEAR DESCRIPTION 49 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Muscling	**106**		
Feet & Legs	**99**		
Udder	**117**		
Height at cross	109	small	large
Body length	114	short	long
Rump width	106	narrow	wide
Body depth	107	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	92	weak	strong
Foot angle	91	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	109	short	long
Fore udder att.	109	loose	tight
Susp. ligament	115	weak	strong
Udder depth	106	deep	high
Teat length	114	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Sisyphus

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

aAa **435261** GF.: F4C 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 2024) **TMI 122** 99%

MILK INDEX (D: 6811, H: 2680) **MI 109** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+74	+0,24	+23	+0,05	+7

BEEF PERFORMANCE **BI 114** 99%

Daily net gain	Carcass percentage	Carcass grade
109	108	114

FUNCTIONAL TRAITS **FIT 110** 99%

				Calving ease				
MS	UH	Pers	PL	CEp	CEm	Fert	VIT	ETMI
120	107	101	100	112	106	112	105	118

Herster, daughter of Sisyphus, 2nd. lact.

LINEAR DESCRIPTION 1899 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**89**		
Muscling	**114**		
Feet & Legs	**98**		
Udder	**117**		
Height at cross	86	small	large
Body length	92	short	long
Rump width	99	narrow	wide
Body depth	91	shallow	deep
Rump angle	101	ascending	sloped
Hock angularity	100	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	97	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	102	short	long
Rear udder length	95	short	long
Fore udder att.	119	loose	tight
Susp. ligament	104	weak	strong
Udder depth	109	deep	high
Teat length	91	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	111	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Herzfeuer

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

aAa **651423** Pigm.: 32%

HERZSCHLAG — HUTERA / LEONIE
MONIKA 8/8 9780 3,95 386 3,79 370 — **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 2024) **TMI 121** 97%

MILK INDEX (D: 801, H: 447) **MI 126** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1218	-0,07	+44	-0,11	+33

BEEF PERFORMANCE **BI 103** 98%

Daily net gain	Carcass percentage	Carcass grade
118	101	96

FUNCTIONAL TRAITS **FIT 93** 96%

				Calving ease				
MS	UH	Pers	PL	CEp	CEm	Fert	VIT	ETMI
108	97	93	102	114	100	89	100	116

Liverpool, daughter of Herzfeuer

LINEAR DESCRIPTION 237 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Muscling	**80**		
Feet & Legs	**115**		
Udder	**115**		
Height at cross	110	small	large
Body length	110	short	long
Rump width	99	narrow	wide
Body depth	101	shallow	deep
Rump angle	96	ascending	sloped
Hock angularity	85	straight	sickled
Hock develop.	108	swollen	dry
Pasterns	99	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	106	short	long
Fore udder att.	105	loose	tight
Susp. ligament	119	weak	strong
Udder depth	104	deep	high
Teat length	97	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	116	wide	close
Teat direction (rear)	123	outwards	inwards
Udder cleanness	101	add. teats	clean udder

progeny tested

progeny tested

Honolulu

HB No. 10/860622
LOM DE 09 54551902
Born 03.05.2019

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

Milk-kg | **Persistency** | **Udder**

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 121** 90%

MILK INDEX (D: 149, H: 103) **MI 121** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+764	-0,01	+31	+0,04	+31

BEEF PERFORMANCE **BI 95** 96%

Daily net gain	Carcass percentage	Carcass grade
98	99	92

FUNCTIONAL TRAITS **FIT 105** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	103	114	101	102	94	106	95	118

Pixel, Grand dam of Honolulu, 3rd lac.

LINEAR DESCRIPTION 59 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**114**		
Muscling	**93**		
Feet & Legs	**99**		
Udder	**119**		
Height at cross	114	small	large
Body length	112	short	long
Rump width	111	narrow	wide
Body depth	113	shallow	deep
Rump angle	91	ascending	sloped
Hock angularity	109	straight	sickled
Hock develop.	108	swollen	dry
Pasterns	99	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	102	short	long
Rear udder length	97	short	long
Fore udder att.	112	loose	tight
Susp. ligament	106	weak	strong
Udder depth	109	deep	high
Teat length	94	short	long
Teat thickness	90	thin	thick
Teat placem. (front)	117	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Higgins

HB No. 10/427106
LOM DE 08 17379563
Born 02.04.2019

HILFINGER — HURLY / SAMBA
FRIEDA 5/5 9689 4,14 401 3,42 331 — HERZSCHLAG / FATIMA 6/6 9375 3,52 330 3,21 301 — WEIMILL

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 121** 89%

MILK INDEX (D: 121, H: 77) **MI 118** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+793	-0,08	+26	-0,01	+27

BEEF PERFORMANCE **BI 117** 96%

Daily net gain	Carcass percentage	Carcass grade
111	119	108

FUNCTIONAL TRAITS **FIT 95** 89%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
121	97	83	110	109	103	91	102	113

Frieda, dam of Higgins, 3rd lac.

LINEAR DESCRIPTION 58 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Muscling	**95**		
Feet & Legs	**98**		
Udder	**119**		
Height at cross	108	small	large
Body length	101	short	long
Rump width	97	narrow	wide
Body depth	92	shallow	deep
Rump angle	85	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	89	swollen	dry
Pasterns	108	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	100	short	long
Fore udder att.	113	loose	tight
Susp. ligament	102	weak	strong
Udder depth	119	deep	high
Teat length	94	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Zitrus Pp*

HB No. 10/174004
LOM DE 09 54963783
Born 18.09.2019

aAa **432561**

ZEUS Pp* — ZEPTER 604 Pp
LINA 4/4 9634 3,65 352 3,34 322 — **EVERGREEN** LIBELLE 7/7 8660 4,29 371 3,46 300 — **VORWERK**

Fat-% **Vitality** **Feet & legs**

A1A1
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 121** 90%

MILK INDEX (D: 157, H: 137) **MI 118** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+524	+0,18	+38	-0,01	+18

BEEF PERFORMANCE **BI 104** 98%

Daily net gain	Carcass percentage	Carcass grade
107	106	98

FUNCTIONAL TRAITS **FIT 104** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	104	90	105	105	101	102	109	115

Daughter of Zitrus Pp, 1st lac.

LINEAR DESCRIPTION 57 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**103**		
Muscling	**95**		
Feet & Legs	**115**		
Udder	**106**		
Height at cross	103	small	large
Body length	103	short	long
Rump width	100	narrow	wide
Body depth	107	shallow	deep
Rump angle	110	ascending	sloped
Hock angularity	112	straight	sickled
Hock develop.	116	swollen	dry
Pasterns	103	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	116	short	long
Rear udder length	107	short	long
Fore udder att.	93	loose	tight
Susp. ligament	109	weak	strong
Udder depth	101	deep	high
Teat length	93	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	100	add. teats	clean udder

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**

Fertility **Udder** **Fitness**

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 121** 95%

MILK INDEX (D: 567, H: 263) **MI 114** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+466	+0,04	+23	+0,01	+17

BEEF PERFORMANCE **BI 102** 97%

Daily net gain	Carcass percentage	Carcass grade
109	100	99

FUNCTIONAL TRAITS **FIT 109** 95%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	97	99	112	107	99	112	103	119

Shanice, daughter of Verhaag

LINEAR DESCRIPTION 225 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**105**		
Muscling	**100**		
Feet & Legs	**102**		
Udder	**112**		
Height at cross	106	small	large
Body length	107	short	long
Rump width	103	narrow	wide
Body depth	100	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	98	short	long
Rear udder length	102	short	long
Fore udder att.	109	loose	tight
Susp. ligament	102	weak	strong
Udder depth	106	deep	high
Teat length	91	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	119	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	105	add. teats	clean udder

progeny tested

progeny tested

Iq P*S

HB No. 10/881194
LOM DE 09 55847392
Born 07.02.2020

aAa **426351** GF.: F4C

IRREGUT P*S
- IROKESE P*S
- KIPFE

EPOCHE
5/4 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
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 120** 88%

MILK INDEX (D: 68, H: 55) **MI 113** 93%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+619	-0,02	+24	-0,08	+15

BEEF PERFORMANCE **BI 112** 99%

Daily net gain	Carcass percentage	Carcass grade
113	113	103

FUNCTIONAL TRAITS **FIT 104** 89%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	109	102	112	107	102	94	98	120

Daughter of Iq PS, 1st lac.

LINEAR DESCRIPTION 45 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**113**		
Muscling	**120**		
Feet & Legs	**97**		
Udder	**119**		
Height at cross	112	small	large
Body length	116	short	long
Rump width	105	narrow	wide
Body depth	110	shallow	deep
Rump angle	106	ascending	sloped
Hock angularity	106	straight	sickled
Hock develop.	84	swollen	dry
Pasterns	104	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	85	short	long
Fore udder att.	120	loose	tight
Susp. ligament	94	weak	strong
Udder depth	124	deep	high
Teat length	107	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	88	wide	close
Teat direction (rear)	93	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Mylife Pp*

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

aAa **456321** GF.: MSC Pigm.: 54%

MAHANGO Pp*
- MUNGO Pp*
- FALTER

LERCHE Pp*
3/3 9161 4,01 367 3,58 328
- **GRIMM P*S**
  - LIPEK
  - **WINNIPEG**

6/4 9964 4,32 430 3,53 351

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

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 120** 98%

MILK INDEX (D: 1186, H: 734) **MI 113** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+622	-0,10	+17	-0,02	+20

BEEF PERFORMANCE **BI 113** 99%

Daily net gain	Carcass percentage	Carcass grade
115	106	111

FUNCTIONAL TRAITS **FIT 103** 97%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	101	90	103	98	108	106	97	112

Felli, daughter of Mylife Pp

LINEAR DESCRIPTION 292 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Muscling	**120**		
Feet & Legs	**98**		
Udder	**117**		
Height at cross	109	small	large
Body length	113	short	long
Rump width	116	narrow	wide
Body depth	104	shallow	deep
Rump angle	106	ascending	sloped
Hock angularity	105	straight	sickled
Hock develop.	87	swollen	dry
Pasterns	102	weak	strong
Foot angle	117	low angles	steep angles
Fore udder length	98	short	long
Rear udder length	104	short	long
Fore udder att.	111	loose	tight
Susp. ligament	99	weak	strong
Udder depth	112	deep	high
Teat length	86	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Memory PP*

HB No. 10/174081
LOM DE 09 55365548
Born 11.11.2019

aAa **426351**

MAJESTAET PP*
- MAHANGO Pp*
- NICOL Pp*

GLEMAN Pp*
1/1 8243 4,22 348 3,53 291
- **MANOLO Pp***
  - GLEWI
  - 7/7 9727 3,98 387 3,59 349
- **WILLE**

Milk **Calving ease** **Type**

A2A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 120** 91%

MILK INDEX (D: 166, H: 138) **MI 112** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+658	+0,00	+28	-0,15	+10

BEEF PERFORMANCE **BI 112** 99%

Daily net gain	Carcass percentage	Carcass grade
113	109	107

FUNCTIONAL TRAITS **FIT 106** 89%

				Calving ease				
MS	UH	Pers	PL	CEp	CEm	Fert	VIT	ETMI
108	98	98	107	113	108	106	105	120

Gleman Pp, dam of Memory PP

LINEAR DESCRIPTION 47 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**109**		
Feet & Legs	**116**		
Udder	**109**		
Height at cross	107	small	large
Body length	110	short	long
Rump width	101	narrow	wide
Body depth	100	shallow	deep
Rump angle	115	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	109	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	104	short	long
Fore udder att.	110	loose	tight
Susp. ligament	94	weak	strong
Udder depth	111	deep	high
Teat length	95	short	long
Teat thickness	85	thin	thick
Teat placem. (front)	88	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	103	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 2024) **TMI 120** 99%

MILK INDEX (D: 7844, H: 3615) **MI 106** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+614	-0,30	-1	-0,08	+15

BEEF PERFORMANCE **BI 112** 99%

Daily net gain	Carcass percentage	Carcass grade
107	114	105

FUNCTIONAL TRAITS **FIT 113** 99%

				Calving ease				
MS	UH	Pers	PL	CEp	CEm	Fert	VIT	ETMI
86	118	88	120	112	106	98	111	120

Biene PP, daughter of Manolo Pp

LINEAR DESCRIPTION 1212 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**114**		
Muscling	**111**		
Feet & Legs	**131**		
Udder	**108**		
Height at cross	115	small	large
Body length	114	short	long
Rump width	104	narrow	wide
Body depth	107	shallow	deep
Rump angle	113	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	126	swollen	dry
Pasterns	111	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	110	short	long
Rear udder length	108	short	long
Fore udder att.	101	loose	tight
Susp. ligament	102	weak	strong
Udder depth	106	deep	high
Teat length	114	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	95	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	101	add. teats	clean udder

progeny tested

progeny tested

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 2024) **TMI 119** 98%

MILK INDEX (D: 2297, H: 901) **MI 119** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+702	-0,09	+21	+0,07	+31

BEEF PERFORMANCE **BI 114** 99%

Daily net gain	Carcass percentage	Carcass grade
109	119	102

FUNCTIONAL TRAITS **FIT 95** 99%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	103	95	101	104	100	87	102	111

Schmetterling, daughter of Hilfinger

LINEAR DESCRIPTION 848 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**114**		
Muscling	**94**		
Feet & Legs	**105**		
Udder	**118**		
Height at cross	117	small	large
Body length	112	short	long
Rump width	107	narrow	wide
Body depth	97	shallow	deep
Rump angle	82	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	101	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	103	short	long
Rear udder length	104	short	long
Fore udder att.	112	loose	tight
Susp. ligament	96	weak	strong
Udder depth	116	deep	high
Teat length	99	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	122	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Herzvoll

HB No. 10/854742
LOM DE 09 55063394
Born 21.09.2019

GF.: F4C

HERZPOCHEN — HERZSCHLAG / BANDITA
DAIRYQU 4/3 10665 3,45 368 3,35 357 — **GS WERTVOLL** / DYLAN 6/5 8107 3,85 312 3,46 281 — **PAZIFIK**

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

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 119** 87%

MILK INDEX (D: 54, H: 45) **MI 115** 94%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+828	-0,12	+23	-0,10	+20

BEEF PERFORMANCE **BI 104** 93%

Daily net gain	Carcass percentage	Carcass grade
116	96	103

FUNCTIONAL TRAITS **FIT 103** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
118	107	91	108	106	109	97	102	117

Dairyqueen, dam of Herzvoll, 1st lac.

LINEAR DESCRIPTION 32 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Muscling	**115**		
Feet & Legs	**107**		
Udder	**125**		
Height at cross	105	small	large
Body length	114	short	long
Rump width	115	narrow	wide
Body depth	109	shallow	deep
Rump angle	89	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	86	swollen	dry
Pasterns	110	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	98	short	long
Rear udder length	102	short	long
Fore udder att.	126	loose	tight
Susp. ligament	110	weak	strong
Udder depth	111	deep	high
Teat length	87	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	113	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	111	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Himmlisch

HB No. 10/180765
LOM DE 09 50718412
Born 30.11.2015

Pigm.: 51%

HIMEROS — HIRMER CLARIN
LAVAL 9/8 9010 4,02 362 3,37 304 — **GS RAVE** LUMARA 3/3 9418 3,63 342 3,16 297 — **GEBALOT**

Udder | **Muscling** | **Longevity**

A1A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 119** 95%

MILK INDEX (D: 305, H: 223) **MI 105** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+186	-0,12	-3	+0,09	+14

BEEF PERFORMANCE **BI 110** 98%

Daily net gain	Carcass percentage	Carcass grade
101	116	105

FUNCTIONAL TRAITS **FIT 113** 94%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	113	113	130	96	89	96	96	127

Lancia, daughter of Himmlisch

LINEAR DESCRIPTION 132 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**93**		
Muscling	**118**		
Feet & Legs	**118**		
Udder	**121**		
Height at cross	92	small	large
Body length	93	short	long
Rump width	97	narrow	wide
Body depth	96	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	102	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	110	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	111	short	long
Fore udder att.	109	loose	tight
Susp. ligament	118	weak	strong
Udder depth	108	deep	high
Teat length	97	short	long
Teat thickness	90	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Super

HB No. 10/862699
LOM DE 09 54134636
Born 28.09.2018

Pigm.: 33%

SEHRGUT — SERANO EMILI
BIMBA 5/5 10222 4,42 452 3,65 373 — **RÜCKFLUG** BOMBAY 3/3 9971 4,22 420 3,55 354 — **MANITOBA**

Outcross | **Milk** | **Udder**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 118** 93%

MILK INDEX (D: 228, H: 172) **MI 117** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+788	-0,11	+23	-0,01	+27

BEEF PERFORMANCE **BI 92** 96%

Daily net gain	Carcass percentage	Carcass grade
99	89	97

FUNCTIONAL TRAITS **FIT 106** 91%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	114	111	111	91	94	91	103	116

Daughter of Super, 1st lac.

LINEAR DESCRIPTION 95 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**96**		
Muscling	**103**		
Feet & Legs	**100**		
Udder	**117**		
Height at cross	93	small	large
Body length	97	short	long
Rump width	96	narrow	wide
Body depth	101	shallow	deep
Rump angle	94	ascending	sloped
Hock angularity	99	straight	sickled
Hock develop.	92	swollen	dry
Pasterns	105	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	107	short	long
Fore udder att.	116	loose	tight
Susp. ligament	120	weak	strong
Udder depth	102	deep	high
Teat length	99	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	113	wide	close
Teat placem. (rear)	123	wide	close
Teat direction (rear)	124	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** GF.: F4C Pigm.: 37%

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

Muscling | **Dual purpose** | **Calving ease**

A1A1
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 118** 99%

MILK INDEX (D: 5706, H: 2173) **MI 114** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+387	+0,11	+26	+0,04	+17

BEEF PERFORMANCE **BI 118** 99%

Daily net gain	Carcass percentage	Carcass grade
123	108	113

FUNCTIONAL TRAITS **FIT 96** 99%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
118	95	95	96	110	104	98	102	113

Jupita, daughter of Herzpochen

LINEAR DESCRIPTION 1966 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Muscling	**127**		
Feet & Legs	**102**		
Udder	**111**		
Height at cross	101	small	large
Body length	111	short	long
Rump width	119	narrow	wide
Body depth	110	shallow	deep
Rump angle	85	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	81	swollen	dry
Pasterns	110	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	95	short	long
Fore udder att.	123	loose	tight
Susp. ligament	97	weak	strong
Udder depth	106	deep	high
Teat length	105	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	90	wide	close
Teat placem. (rear)	91	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Vollkommen PP*

HB No. 10/191000
LOM DE 09 52242221
Born 23.05.2017

aAa **465231** Pigm.: 29%

VERSACE PP* — VON WELT Pp* / FRIEDA
PUTERA 7/6 8474 4,16 353 3,76 319 — **HUTERA** PUNA 10/10 7977 3,99 319 3,28 261 — **RALMESBACH PS**

Beef | **Type** | **Persistency**

A1A1
AB
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 112** 99%

MILK INDEX (D: 4582, H: 2346) **MI 103** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+278	-0,09	+4	-0,06	+5

BEEF PERFORMANCE **BI 111** 99%

Daily net gain	Carcass percentage	Carcass grade
105	108	111

FUNCTIONAL TRAITS **FIT 105** 99%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	107	108	109	100	102	103	85	117

Daughter of Vollkommen PP, 1st lac.

LINEAR DESCRIPTION 1051 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**115**		
Muscling	**118**		
Feet & Legs	**113**		
Udder	**112**		
Height at cross	115	small	large
Body length	118	short	long
Rump width	109	narrow	wide
Body depth	113	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	90	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	109	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	99	short	long
Rear udder length	103	short	long
Fore udder att.	108	loose	tight
Susp. ligament	93	weak	strong
Udder depth	115	deep	high
Teat length	98	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	94	wide	close
Teat direction (rear)	94	outwards	inwards
Udder cleanness	105	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Happytoo PP*

HB No. 10/874327
LOM DE 09 54893177
Born 08.11.2019

aAa **561432** GF.: MSC

HATTRICK PP*
- HENGST P*S
- WILLO Pp*

IRENE Pp*
3/3 9535 3,37 321 3,27 312
- **MANOLO Pp***
  - IREEN Pp*
  - 3/3 12102 4,83 585 3,54 428
- **HUTERA**

Udder depth **Fore udder attachment** **Calving ease**

A2A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 111** 85%

MILK INDEX (D: 32, H: 23) **MI 107** 92%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+479	-0,06	+15	-0,12	+7

BEEF PERFORMANCE **BI 95** 96%

Daily net gain	Carcass percentage	Carcass grade
97	95	98

FUNCTIONAL TRAITS **FIT 110** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	107	97	106	113	100	109	106	113

LINEAR DESCRIPTION 21 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**102**		
Feet & Legs	**108**		
Udder	**109**		
Height at cross	108	small	large
Body length	103	short	long
Rump width	103	narrow	wide
Body depth	101	shallow	deep
Rump angle	95	ascending	sloped
Hock angularity	109	straight	sickled
Hock develop.	111	swollen	dry
Pasterns	103	weak	strong
Foot angle	89	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	93	short	long
Fore udder att.	111	loose	tight
Susp. ligament	93	weak	strong
Udder depth	121	deep	high
Teat length	103	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	95	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	107	add. teats	clean udder

Magier

HB No. 10/856710
LOM DE 08 15784871
Born 14.10.2014

aAa **453621** Pigm.: 24%

MANIGO
- MANDELA
- NITTI

LIANE
5/5 9310 4,11 383 3,65 340
- **GS RAU**
  - LIESEL
  - 7/7 10074 4,17 420 3,60 362
- **HUMLANG**

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

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: August 2024) **TMI 106** 98%

MILK INDEX (D: 1222, H: 712) **MI 100** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+147	-0,11	-3	-0,04	+2

BEEF PERFORMANCE **BI 98** 98%

Daily net gain	Carcass percentage	Carcass grade
110	89	102

FUNCTIONAL TRAITS **FIT 109** 98%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
93	121	109	107	103	108	95	103	115

770. daughter of Magier

LINEAR DESCRIPTION 459 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Muscling	**107**		
Feet & Legs	**121**		
Udder	**133**		
Height at cross	103	small	large
Body length	107	short	long
Rump width	107	narrow	wide
Body depth	103	shallow	deep
Rump angle	101	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	122	swollen	dry
Pasterns	113	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	113	short	long
Rear udder length	113	short	long
Fore udder att.	128	loose	tight
Susp. ligament	117	weak	strong
Udder depth	125	deep	high
Teat length	87	short	long
Teat thickness	75	thin	thick
Teat placem. (front)	131	wide	close
Teat placem. (rear)	132	wide	close
Teat direction (rear)	131	outwards	inwards
Udder cleanness	104	add. teats	clean udder

progeny tested

Fleckvieh genomic bulls

Widerhall

HB No. 10/855800
LOM DE 09 58157017
Born 27.03.2023

aAa **456321**

WIRBELWIND P*S — WAALKES Pp* / WAIANA
EBOOK — **ZEIGER** / EMILIA — **HERZPOCHEN** / 2/2 9724 4,50 438 3,78 368
200 T. 6870 4,25 292 3,80 261

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

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 148** 75%

MILK INDEX **MI 132** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1154	+0,00	+48	+0,02	+43

BEEF PERFORMANCE **BI 116** 72%

Daily net gain	Carcass percentage	Carcass grade
120	117	103

FUNCTIONAL TRAITS **FIT 124** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	126	104	121	101	104	113	99	141

Emilia, granddam of Widerhall

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Muscling	**99**		
Feet & Legs	**105**		
Udder	**120**		
Height at cross	115	small	large
Body length	110	short	long
Rump width	105	narrow	wide
Body depth	102	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	101	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	102	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	97	short	long
Rear udder length	97	short	long
Fore udder att.	111	loose	tight
Susp. ligament	103	weak	strong
Udder depth	122	deep	high
Teat length	92	short	long
Teat thickness	78	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Witness Pp*

HB No. 10/168240
LOM DE 09 58444560
Born 02.03.2023

aAa **423651**

WIRBELWIND P*S — WAALKES Pp* / WAIANA
KAYLA — **VIRGINIA** / KAYANA — **MANOLO Pp*** / 4/4 10980 4,04 443 3,76 412
200 T. 6767 4,17 282 3,44 233

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

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 148** 74%

MILK INDEX **MI 128** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+989	+0,04	+45	-0,01	+34

BEEF PERFORMANCE **BI 104** 71%

Daily net gain	Carcass percentage	Carcass grade
104	106	99

FUNCTIONAL TRAITS **FIT 135** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
114	118	100	130	115	112	130	110	145

Dam of Witness PS, 1st lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Muscling	**100**		
Feet & Legs	**114**		
Udder	**117**		
Height at cross	107	small	large
Body length	106	short	long
Rump width	96	narrow	wide
Body depth	99	shallow	deep
Rump angle	113	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	113	swollen	dry
Pasterns	101	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	102	short	long
Rear udder length	95	short	long
Fore udder att.	106	loose	tight
Susp. ligament	106	weak	strong
Udder depth	118	deep	high
Teat length	96	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	94	add. teats	clean udder

genomic

genomic

Helmet Pp*

HB No. 10/866200
LOM DE 09 59018208
Born 17.09.2023

HEISS
HASHTAG
ROMVELL

JULIA Pp*
100 T. 3367 4,28 144 3,12 105
METER Pp*
JOHANNA
2/2 10420 4,16 433 3,38 353
SISYPHUS

Milk **Fitness** **Beef**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 148** 74%

MILK INDEX **MI 128** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1006	+0,01	+43	+0,01	+36

BEEF PERFORMANCE **BI 118** 71%

Daily net gain	Carcass percentage	Carcass grade
112	123	106

FUNCTIONAL TRAITS **FIT 123** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
118	116	113	125	107	112	105	110	146

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**99**		
Muscling	**106**		
Feet & Legs	**108**		
Udder	**116**		
Height at cross	103	small	large
Body length	100	short	long
Rump width	97	narrow	wide
Body depth	93	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	101	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	90	short	long
Rear udder length	94	short	long
Fore udder att.	112	loose	tight
Susp. ligament	102	weak	strong
Udder depth	121	deep	high
Teat length	97	short	long
Teat thickness	80	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Hanson

HB No. 10/427196
LOM DE 09 58220794
Born 23.04.2023

HAYWARD
HASHTAG
NALA

LIBELLA
44 T. 1407 3,98 56 3,20 45
MCGYVER
INZELL
2/2 11275 4,10 463 3,56 401
WOBBLER

Udder health **Longer teats** **Dual purpose**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 148** 75%

MILK INDEX **MI 125** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1021	-0,04	+39	-0,03	+33

BEEF PERFORMANCE **BI 118** 71%

Daily net gain	Carcass percentage	Carcass grade
116	115	112

FUNCTIONAL TRAITS **FIT 131** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	133	109	123	123	103	114	110	143

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Muscling	**102**		
Feet & Legs	**101**		
Udder	**123**		
Height at cross	102	small	large
Body length	99	short	long
Rump width	100	narrow	wide
Body depth	100	shallow	deep
Rump angle	98	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	100	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	100	short	long
Fore udder att.	112	loose	tight
Susp. ligament	108	weak	strong
Udder depth	118	deep	high
Teat length	106	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	116	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	104	add. teats	clean udder

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**

Allround sire | **Udder** | **Longevity**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 148** 82%

MILK INDEX **MI 123** 88%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1056	-0,09	+36	-0,07	+31

BEEF PERFORMANCE **BI 123** 81%

Daily net gain	Carcass percentage	Carcass grade
117	126	109

FUNCTIONAL TRAITS **FIT 126** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
120	112	114	131	107	110	111	109	148

Romance, cow from the cow family of Heiss

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**97**		
Muscling	**102**		
Feet & Legs	**113**		
Udder	**123**		
Height at cross	99	small	large
Body length	101	short	long
Rump width	95	narrow	wide
Body depth	94	shallow	deep
Rump angle	89	ascending	sloped
Hock angularity	94	straight	sickled
Hock develop.	116	swollen	dry
Pasterns	100	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	103	short	long
Fore udder att.	109	loose	tight
Susp. ligament	111	weak	strong
Udder depth	116	deep	high
Teat length	86	short	long
Teat thickness	85	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	120	wide	close
Teat direction (rear)	121	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Scotty

HB No. 10/880575
LOM DE 09 58220414
Born 02.01.2023

aAa **516342**

GS SPUTNIK — SPARTACUS / SUSI
EDELPER 1/1 8744 4,68 409 3,59 314 — **ZEIGER** EDLE 4/4 9156 4,24 389 3,51 321 — **WABAN**

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

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 148** 75%

MILK INDEX **MI 122** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+605	+0,16	+39	+0,04	+25

BEEF PERFORMANCE **BI 120** 71%

Daily net gain	Carcass percentage	Carcass grade
116	122	109

FUNCTIONAL TRAITS **FIT 134** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	122	105	133	100	109	123	106	144

Dam of Scotty, 1st lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Muscling	**103**		
Feet & Legs	**106**		
Udder	**126**		
Height at cross	103	small	large
Body length	103	short	long
Rump width	108	narrow	wide
Body depth	99	shallow	deep
Rump angle	88	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	101	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	111	short	long
Fore udder att.	115	loose	tight
Susp. ligament	108	weak	strong
Udder depth	116	deep	high
Teat length	103	short	long
Teat thickness	87	thin	thick
Teat placem. (front)	125	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	112	outwards	inwards
Udder cleanness	103	add. teats	clean udder

genomic

genomic

Windsturm P*S

HB No. 10/870000
LOM DE 09 58397073
Born 02.02.2023

WIRBELWIND P*S — WAALKES Pp* / WAIANA
ANNA 2/1 10205 3,43 350 3,37 344 — **ZEIGER** ALI 5/4 11752 3,61 424 3,16 372 — **MINT**

Milk | **Udder health** | **Feet & legs**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 147** 75%

MILK INDEX **MI 131** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1499	-0,18	+46	-0,11	+42

BEEF PERFORMANCE **BI 109** 72%

Daily net gain	Carcass percentage	Carcass grade
104	111	105

FUNCTIONAL TRAITS **FIT 127** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
115	124	103	122	113	100	117	108	141

Dam of Windsturm PS

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**94**		
Muscling	**92**		
Feet & Legs	**118**		
Udder	**113**		
Height at cross	94	small	large
Body length	96	short	long
Rump width	96	narrow	wide
Body depth	89	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	120	swollen	dry
Pasterns	110	weak	strong
Foot angle	97	low angles	steep angles
Fore udder length	99	short	long
Rear udder length	105	short	long
Fore udder att.	106	loose	tight
Susp. ligament	104	weak	strong
Udder depth	112	deep	high
Teat length	112	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	98	add. teats	clean udder

Wittelsbach

HB No. 10/855833
LOM DE 09 58777349
Born 27.05.2023

WANTED Pp* — WAALKES Pp* / HANNA
FOXI Pp* 2/2 11100 3,52 391 3,50 388 — **EDELSTEIN** FELDROS Pp* 4/4 11814 3,54 418 3,41 403 — **MAXIMUM Pp***

Dual purpose | **Fitness** | **Teats**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 147** 74%

MILK INDEX **MI 126** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1244	-0,26	+27	-0,01	+43

BEEF PERFORMANCE **BI 121** 70%

Daily net gain	Carcass percentage	Carcass grade
118	118	112

FUNCTIONAL TRAITS **FIT 127** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	115	105	128	113	103	117	110	142

Dam of Wittelsbach, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**116**		
Muscling	**114**		
Feet & Legs	**109**		
Udder	**113**		
Height at cross	116	small	large
Body length	115	short	long
Rump width	113	narrow	wide
Body depth	111	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	100	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	103	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	98	short	long
Rear udder length	93	short	long
Fore udder att.	110	loose	tight
Susp. ligament	110	weak	strong
Udder depth	116	deep	high
Teat length	109	short	long
Teat thickness	106	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	95	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Eintracht

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

aAa **546321**

EPIK — EDELSTEIN BEATRIX
FERRERO 2/2 9293 4,97 462 3,48 323 — **MIDWEST** FILA 3/3 11480 4,50 517 3,42 393 — **MANDRIN**

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

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 146** 76%

MILK INDEX **MI 134** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+769	+0,37	+65	+0,08	+35

BEEF PERFORMANCE **BI 112** 74%

Daily net gain	Carcass percentage	Carcass grade
112	110	107

FUNCTIONAL TRAITS **FIT 118** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
129	119	96	110	104	98	112	113	135

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**95**		
Muscling	**99**		
Feet & Legs	**95**		
Udder	**115**		
Height at cross	94	small	large
Body length	94	short	long
Rump width	97	narrow	wide
Body depth	96	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	99	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	113	short	long
Rear udder length	99	short	long
Fore udder att.	111	loose	tight
Susp. ligament	105	weak	strong
Udder depth	108	deep	high
Teat length	99	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	96	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	98	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 2/2 10420 4,16 433 3,38 353 — **SISYPHUS** JULCHEN 4/4 10082 4,65 469 3,67 370 — **HUTERA**

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

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 146** 78%

MILK INDEX **MI 132** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1347	-0,16	+41	+0,00	+48

BEEF PERFORMANCE **BI 110** 76%

Daily net gain	Carcass percentage	Carcass grade
109	109	106

FUNCTIONAL TRAITS **FIT 122** 82%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	114	111	121	107	109	110	108	137

Johanna, dam of Mangan PS, 2nd lact.

LINEAR DESCRIPTION

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

genomic

genomic

Seeshaupt

HB No. 10/874739
LOM DE 09 57673563
Born 15.11.2022

GS SPUTNIK — SPARTACUS / SUSI
BECKA 200 T. 6339 3,88 246 3,52 223 — **WETTINER** BRAZU 2/2 9119 4,04 369 3,58 327 — **ZAZU**

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

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 145** 74%

MILK INDEX **MI 129** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1030	+0,00	+43	+0,04	+40

BEEF PERFORMANCE **BI 114** 71%

Daily net gain	Carcass percentage	Carcass grade
106	112	111

FUNCTIONAL TRAITS **FIT 125** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	122	104	123	103	110	112	105	140

Bandita, 4th dam of Seeshaupt

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Muscling	**103**		
Feet & Legs	**104**		
Udder	**115**		
Height at cross	100	small	large
Body length	97	short	long
Rump width	105	narrow	wide
Body depth	100	shallow	deep
Rump angle	93	ascending	sloped
Hock angularity	107	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	94	weak	strong
Foot angle	97	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	102	short	long
Fore udder att.	102	loose	tight
Susp. ligament	121	weak	strong
Udder depth	108	deep	high
Teat length	105	short	long
Teat thickness	90	thin	thick
Teat placem. (front)	115	wide	close
Teat placem. (rear)	123	wide	close
Teat direction (rear)	123	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Schoen

HB No. 10/863441
LOM DE 09 58580783
Born 24.03.2023

GF.: F4C

SENATOR — SISYPHUS / ALMA
RIHANNA 1/1 10288 4,34 447 3,42 352 — **GS WUHUDLER** ROSE 3/3 8925 4,37 390 3,51 314 — **WOBBLER**

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

A1A1
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 144** 75%

MILK INDEX **MI 126** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1043	-0,10	+35	+0,02	+39

BEEF PERFORMANCE **BI 112** 72%

Daily net gain	Carcass percentage	Carcass grade
113	111	106

FUNCTIONAL TRAITS **FIT 127** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	125	112	122	105	104	113	105	140

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**107**		
Feet & Legs	**110**		
Udder	**120**		
Height at cross	108	small	large
Body length	98	short	long
Rump width	106	narrow	wide
Body depth	105	shallow	deep
Rump angle	109	ascending	sloped
Hock angularity	93	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	104	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	102	short	long
Rear udder length	103	short	long
Fore udder att.	112	loose	tight
Susp. ligament	111	weak	strong
Udder depth	114	deep	high
Teat length	90	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Home

HB No. 10/880136
LOM DE 09 57333152
Born 19.02.2022

aAa **423651**

HASHTAG — HAYABUSA / MAXIMA
SPOTIFY 3/2 10943 4,30 471 3,88 425 — **HOOLIGAN** SUGAR 4/3 11642 4,39 511 3,71 432 — **RALDI**

Fitness | **Fat-%** | **Udder health**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 144** 79%

MILK INDEX **MI 124** 88%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+751	+0,14	+44	-0,01	+25

BEEF PERFORMANCE **BI 111** 77%

Daily net gain	Carcass percentage	Carcass grade
118	109	104

FUNCTIONAL TRAITS **FIT 128** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	116	103	122	119	108	121	113	138

Spotify, dam of Home, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Muscling	**99**		
Feet & Legs	**103**		
Udder	**112**		
Height at cross	100	small	large
Body length	103	short	long
Rump width	101	narrow	wide
Body depth	99	shallow	deep
Rump angle	96	ascending	sloped
Hock angularity	106	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	103	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	93	short	long
Fore udder att.	101	loose	tight
Susp. ligament	108	weak	strong
Udder depth	111	deep	high
Teat length	99	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	97	wide	close
Teat placem. (rear)	98	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Wundawerk

HB No. 10/880492
LOM DE 09 57969830
Born 10.09.2022

aAa **561432** GF.: MSC

GS WUNDAWUZI — WESTWIND / LIA
BRILLAT 1/1 11287 4,41 498 3,81 430 — **GS WOIWODE** BREGENZ 3/3 13890 4,78 664 3,59 499 — **HERZSCHLAG**

Allround sire | **Udder** | **Udder health**

A1A1
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 144** 76%

MILK INDEX **MI 124** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1005	-0,11	+32	+0,00	+36

BEEF PERFORMANCE **BI 109** 75%

Daily net gain	Carcass percentage	Carcass grade
107	113	102

FUNCTIONAL TRAITS **FIT 131** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	129	98	124	105	107	119	110	142

Dam of Wundawerk, 1st lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**116**		
Muscling	**100**		
Feet & Legs	**104**		
Udder	**129**		
Height at cross	117	small	large
Body length	114	short	long
Rump width	112	narrow	wide
Body depth	114	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	102	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	101	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	100	short	long
Fore udder att.	120	loose	tight
Susp. ligament	101	weak	strong
Udder depth	126	deep	high
Teat length	88	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	115	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	119	outwards	inwards
Udder cleanness	102	add. teats	clean udder

genomic

genomic

Wisdom P*S

HB No. 10/427195
LOM DE 09 58157013
Born 27.02.2023

aAa **456321**

WIRBELWIND P*S — WAALKES Pp* / WAIANA

EBOOK — ZEIGER / EMILIA — HERZPOCHEN
200 T. 6870 4,25 292 3,80 261
2/2 9724 4,50 438 3,78 368

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

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 142** 75%

MILK INDEX **MI 131** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+866	+0,19	+53	+0,07	+37

BEEF PERFORMANCE **BI 107** 72%

Daily net gain	Carcass percentage	Carcass grade
114	105	101

FUNCTIONAL TRAITS **FIT 119** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	126	92	115	107	109	105	112	133

2nd dam of Wisdom PS

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Muscling	**95**		
Feet & Legs	**110**		
Udder	**112**		
Height at cross	110	small	large
Body length	108	short	long
Rump width	105	narrow	wide
Body depth	103	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	100	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	105	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	109	short	long
Rear udder length	108	short	long
Fore udder att.	103	loose	tight
Susp. ligament	103	weak	strong
Udder depth	103	deep	high
Teat length	101	short	long
Teat thickness	85	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Wallace P*S

HB No. 10/880610
LOM DE 09 58603433
Born 08.02.2023

WANNABE PP* — WAALKES Pp* / GAUDET PP*

LIRA — HERMELIN / LAVENA — WATTKING
2/2 10037 4,38 440 3,53 354
2/2 10090 3,76 379 3,46 349

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

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 142** 75%

MILK INDEX **MI 129** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1370	-0,18	+40	-0,08	+41

BEEF PERFORMANCE **BI 122** 72%

Daily net gain	Carcass percentage	Carcass grade
122	122	110

FUNCTIONAL TRAITS **FIT 114** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	116	100	115	103	108	105	97	135

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**105**		
Feet & Legs	**94**		
Udder	**121**		
Height at cross	106	small	large
Body length	106	short	long
Rump width	102	narrow	wide
Body depth	103	shallow	deep
Rump angle	90	ascending	sloped
Hock angularity	94	straight	sickled
Hock develop.	84	swollen	dry
Pasterns	101	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	101	short	long
Fore udder att.	102	loose	tight
Susp. ligament	111	weak	strong
Udder depth	118	deep	high
Teat length	103	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	119	outwards	inwards
Udder cleanness	99	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Merklin Pp*

HB No. 10/874782
LOM DE 09 58500990
Born 19.02.2023

MERKEL1 PP*
- MERCEDES Pp*
- ROLO Pp*

MAXIMA
3/2 11384 4,32 492 3,39 386
- **MANDRIN**
  - MIAMI
  - 7/7 8266 4,18 346 3,61 299
- **MANIGO**

Fitness | **Fertility** | **Feet & Legs**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 142** 76%

MILK INDEX **MI 122** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+717	+0,07	+36	+0,02	+27

BEEF PERFORMANCE **BI 116** 73%

Daily net gain	Carcass percentage	Carcass grade
114	118	105

FUNCTIONAL TRAITS **FIT 128** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
92	121	105	118	116	102	120	118	141

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**94**		
Muscling	**98**		
Feet & Legs	**124**		
Udder	**114**		
Height at cross	97	small	large
Body length	97	short	long
Rump width	86	narrow	wide
Body depth	92	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	89	straight	sickled
Hock develop.	116	swollen	dry
Pasterns	108	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	107	short	long
Rear udder length	110	short	long
Fore udder att.	101	loose	tight
Susp. ligament	105	weak	strong
Udder depth	112	deep	high
Teat length	89	short	long
Teat thickness	91	thin	thick
Teat placem. (front)	97	wide	close
Teat placem. (rear)	117	wide	close
Teat direction (rear)	119	outwards	inwards
Udder cleanness	98	add. teats	clean udder

Merz P*S

HB No. 10/880577
LOM DE 09 57801475
Born 23.01.2023

aAa **645213**

MERKEL1 PP*
- MERCEDES Pp*
- ROLO Pp*

814
5/4 10197 4,80 489 4,03 411
- **ERBHOF**
  - DEMBO
  - 3/3 9143 4,09 374 3,79 347
- **SAMPANO**

Components | **Dual purpose** | **Fitness**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 141** 74%

MILK INDEX **MI 130** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+551	+0,27	+47	+0,22	+39

BEEF PERFORMANCE **BI 117** 70%

Daily net gain	Carcass percentage	Carcass grade
112	119	108

FUNCTIONAL TRAITS **FIT 117** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	111	104	109	116	98	114	113	134

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**99**		
Muscling	**103**		
Feet & Legs	**113**		
Udder	**104**		
Height at cross	101	small	large
Body length	100	short	long
Rump width	96	narrow	wide
Body depth	95	shallow	deep
Rump angle	101	ascending	sloped
Hock angularity	92	straight	sickled
Hock develop.	114	swollen	dry
Pasterns	107	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	102	short	long
Rear udder length	99	short	long
Fore udder att.	99	loose	tight
Susp. ligament	101	weak	strong
Udder depth	107	deep	high
Teat length	102	short	long
Teat thickness	91	thin	thick
Teat placem. (front)	94	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	95	outwards	inwards
Udder cleanness	100	add. teats	clean udder

genomic

genomic

Stradivari

HB No. 10/880683
LOM DE 09 58926701
Born 03.04.2023

SUPERBOY — SPARTACUS / SABRINA
AMICELI 1/1 10878 3,72 405 3,26 355 — **MCGYVER** / ARIELLA 3/3 13068 4,00 523 3,20 419 — **HARIBO**

Type	Milk yield	Fitness

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 141** 75%

MILK INDEX **MI 126** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1084	-0,01	+45	-0,08	+31

BEEF PERFORMANCE **BI 108** 72%

Daily net gain	Carcass percentage	Carcass grade
113	106	103

FUNCTIONAL TRAITS **FIT 123** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	118	105	122	104	104	111	107	142

Dam of Stradivari, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**120**		
Muscling	**99**		
Feet & Legs	**119**		
Udder	**129**		
Height at cross	128	small	large
Body length	111	short	long
Rump width	105	narrow	wide
Body depth	112	shallow	deep
Rump angle	107	ascending	sloped
Hock angularity	102	straight	sickled
Hock develop.	118	swollen	dry
Pasterns	106	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	110	short	long
Rear udder length	107	short	long
Fore udder att.	116	loose	tight
Susp. ligament	111	weak	strong
Udder depth	125	deep	high
Teat length	99	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	129	wide	close
Teat placem. (rear)	118	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Seraphim

HB No. 10/427193
LOM DE 09 58157007
Born 31.01.2023

aAa **642513**

SENATOR — SISYPHUS / ALMA
EMMY 200 T. 5949 4,22 251 3,71 221 — **ZEIGER** / EMILIA 2/2 9724 4,50 438 3,78 368 — **HERZPOCHEN**

Components	Udder health	Udder

A1A2
BB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 141** 75%

MILK INDEX **MI 125** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+603	+0,16	+40	+0,13	+33

BEEF PERFORMANCE **BI 108** 72%

Daily net gain	Carcass percentage	Carcass grade
106	110	102

FUNCTIONAL TRAITS **FIT 126** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	125	105	117	108	107	112	115	136

2nd dam of Seraphim

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Muscling	**101**		
Feet & Legs	**105**		
Udder	**117**		
Height at cross	104	small	large
Body length	101	short	long
Rump width	107	narrow	wide
Body depth	96	shallow	deep
Rump angle	98	ascending	sloped
Hock angularity	108	straight	sickled
Hock develop.	112	swollen	dry
Pasterns	98	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	95	short	long
Rear udder length	95	short	long
Fore udder att.	116	loose	tight
Susp. ligament	113	weak	strong
Udder depth	121	deep	high
Teat length	105	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	95	wide	close
Teat placem. (rear)	98	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Salvator1 P*S

HB No. 10/866190
LOM DE 09 58678890
Born 16.05.2023

SPARTA P*S — SPARTACUS / ARIANE
LIBERTY — WETTINER / LOEWE — EPSON
100 T. 3402 3,82 130 3,35 114
3/3 11994 3,89 467 3,59 430

Outcross | **Milk-kg** | **Fertility**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 141** 74%

MILK INDEX **MI 125** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1269	-0,19	+35	-0,09	+36

BEEF PERFORMANCE **BI 101** 70%

Daily net gain	Carcass percentage	Carcass grade
108	100	98

FUNCTIONAL TRAITS **FIT 128** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	108	107	125	104	109	121	117	138

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Muscling	**96**		
Feet & Legs	**101**		
Udder	**112**		
Height at cross	117	small	large
Body length	113	short	long
Rump width	104	narrow	wide
Body depth	95	shallow	deep
Rump angle	103	ascending	sloped
Hock angularity	100	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	95	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	120	short	long
Rear udder length	105	short	long
Fore udder att.	107	loose	tight
Susp. ligament	103	weak	strong
Udder depth	108	deep	high
Teat length	104	short	long
Teat thickness	91	thin	thick
Teat placem. (front)	116	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Spoiler

HB No. 10/874735
LOM DE 09 57672781
Born 09.12.2022

aAa **564132**

GS SPUTNIK — SPARTACUS / SUSI
INGE Pp* — VICTIM PP* / IRENE Pp* — MANOLO Pp*
1/1 7688 4,10 315 3,55 273
3/3 9535 3,37 321 3,27 312

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

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 141** 74%

MILK INDEX **MI 124** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+856	+0,02	+37	+0,00	+30

BEEF PERFORMANCE **BI 120** 72%

Daily net gain	Carcass percentage	Carcass grade
124	114	112

FUNCTIONAL TRAITS **FIT 122** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	118	89	121	112	105	118	102	136

Dam of Spoiler, 1st lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Muscling	**101**		
Feet & Legs	**105**		
Udder	**131**		
Height at cross	99	small	large
Body length	105	short	long
Rump width	108	narrow	wide
Body depth	103	shallow	deep
Rump angle	83	ascending	sloped
Hock angularity	113	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	101	weak	strong
Foot angle	95	low angles	steep angles
Fore udder length	119	short	long
Rear udder length	109	short	long
Fore udder att.	111	loose	tight
Susp. ligament	119	weak	strong
Udder depth	108	deep	high
Teat length	93	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	132	wide	close
Teat placem. (rear)	130	wide	close
Teat direction (rear)	127	outwards	inwards
Udder cleanness	103	add. teats	clean udder

genomic

genomic

Suzuka P*S

HB No. 10/861681
LOM DE 09 58516386
Born 31.01.2023

GS SPUTNIK — SPARTACUS / SUSI
HANNAL Pp* 5/4 9290 4,11 382 3,63 337 — **WISH PP*** / HANELOR 5/5 8982 4,71 423 3,99 358 — **HUTERA**

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

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 141** 75%

MILK INDEX **MI 121** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1022	-0,24	+21	+0,00	+36

BEEF PERFORMANCE **BI 123** 71%

Daily net gain	Carcass percentage	Carcass grade
116	122	114

FUNCTIONAL TRAITS **FIT 121** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	104	103	119	100	108	117	115	139

Dam of Suzuka PS

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**110**		
Muscling	**107**		
Feet & Legs	**111**		
Udder	**115**		
Height at cross	110	small	large
Body length	109	short	long
Rump width	113	narrow	wide
Body depth	106	shallow	deep
Rump angle	99	ascending	sloped
Hock angularity	100	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	106	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	109	short	long
Rear udder length	97	short	long
Fore udder att.	104	loose	tight
Susp. ligament	116	weak	strong
Udder depth	108	deep	high
Teat length	101	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	118	wide	close
Teat direction (rear)	119	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Medago

HB No. 10/168190
LOM DE 09 58316022
Born 21.11.2022

MEDIAN — GS MYSTERIUM Pp* / WERENA
MAREIKE 3/3 9294 5,58 519 4,05 376 — **HERZSCHLAG** / MARLENE 4/4 10065 4,74 477 3,91 394 — **MANIGO**

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

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 140** 76%

MILK INDEX **MI 129** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1133	-0,10	+38	+0,01	+42

BEEF PERFORMANCE **BI 116** 75%

Daily net gain	Carcass percentage	Carcass grade
118	111	110

FUNCTIONAL TRAITS **FIT 114** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	128	100	124	96	102	89	99	136

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**113**		
Muscling	**100**		
Feet & Legs	**115**		
Udder	**121**		
Height at cross	113	small	large
Body length	108	short	long
Rump width	108	narrow	wide
Body depth	114	shallow	deep
Rump angle	94	ascending	sloped
Hock angularity	93	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	108	weak	strong
Foot angle	114	low angles	steep angles
Fore udder length	111	short	long
Rear udder length	117	short	long
Fore udder att.	111	loose	tight
Susp. ligament	111	weak	strong
Udder depth	104	deep	high
Teat length	100	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Style P*S

HB No. 10/880641
LOM DE 09 58938444
Born 20.04.2023

aAa **423651**

SPIRITUS — SPARTACUS / SABRINA
ELKE PP* 1/1 8740 4,49 392 3,65 319 — **IRREGUT P*S** / EXAKT Pp* 4/4 10613 3,90 414 3,62 384 — **MANOLO Pp***

Milk yield | **Fertility** | **Longevity**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 140** 74%

MILK INDEX **MI 127** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+994	+0,01	+42	+0,00	+36

BEEF PERFORMANCE **BI 110** 70%

Daily net gain	Carcass percentage	Carcass grade
103	112	105

FUNCTIONAL TRAITS **FIT 124** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	114	99	122	92	104	122	100	139

Epoche, from Style PS' cow family

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**106**		
Muscling	**104**		
Feet & Legs	**112**		
Udder	**120**		
Height at cross	106	small	large
Body length	108	short	long
Rump width	109	narrow	wide
Body depth	97	shallow	deep
Rump angle	95	ascending	sloped
Hock angularity	101	straight	sickled
Hock develop.	109	swollen	dry
Pasterns	106	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	107	short	long
Rear udder length	99	short	long
Fore udder att.	108	loose	tight
Susp. ligament	107	weak	strong
Udder depth	114	deep	high
Teat length	89	short	long
Teat thickness	85	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Menzel PP*

HB No. 10/855799
LOM DE 09 58798621
Born 27.03.2023

GF.: F4C

MONET PP* — MERCEDES Pp* / MARIE Pp*
428 Pp* 2/2 8537 4,90 419 3,61 309 — **HATTRICK PP*** / 307 Pp* 4/4 10807 3,96 428 3,37 365 — **MANOLO Pp***

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

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 140** 74%

MILK INDEX **MI 125** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+947	-0,09	+31	+0,04	+37

BEEF PERFORMANCE **BI 107** 70%

Daily net gain	Carcass percentage	Carcass grade
107	110	101

FUNCTIONAL TRAITS **FIT 124** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	117	102	124	112	108	112	112	138

Dam of Menzel PP, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**106**		
Muscling	**109**		
Feet & Legs	**122**		
Udder	**109**		
Height at cross	108	small	large
Body length	108	short	long
Rump width	104	narrow	wide
Body depth	100	shallow	deep
Rump angle	106	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	117	swollen	dry
Pasterns	112	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	92	short	long
Rear udder length	100	short	long
Fore udder att.	103	loose	tight
Susp. ligament	105	weak	strong
Udder depth	110	deep	high
Teat length	101	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	101	add. teats	clean udder

genomic

genomic

Sophokles

HB No. 10/427197
LOM DE 09 58603452
Born 30.04.2023

aAa **561432** GF.: F4C

SENATOR — SISYPHUS / ALMA
ELECTRA 200 T. 6666 3,99 266 3,65 243 — **ZEIGER** / ELUNA — **HURLY**
5/5 12566 3,69 463 3,57 448

Udder health **Milking speed** **Dual purpose**

A1A2
BB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 139** 75%

MILK INDEX **MI 129** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1040	-0,04	+40	+0,06	+43

BEEF PERFORMANCE **BI 108** 72%

Daily net gain	Carcass percentage	Carcass grade
107	107	103

FUNCTIONAL TRAITS **FIT 118** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	118	107	113	108	99	106	111	134

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**108**		
Muscling	**102**		
Feet & Legs	**112**		
Udder	**117**		
Height at cross	110	small	large
Body length	107	short	long
Rump width	106	narrow	wide
Body depth	100	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	89	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	106	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	103	short	long
Rear udder length	99	short	long
Fore udder att.	114	loose	tight
Susp. ligament	101	weak	strong
Udder depth	117	deep	high
Teat length	104	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Maigold Pp*

HB No. 10/855778
LOM DE 09 57834751
Born 20.03.2023

aAa **423651** GF.: MSC

MILFORD P*S — MERCEDES Pp* / TIFFANY Pp*
GERMANY 1/1 9415 4,23 398 3,51 330 — **SIDO** / GLORREI — **HERO**
2/2 9997 4,86 486 3,75 375

Milk **Beef** **Udder**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 139** 74%

MILK INDEX **MI 128** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+949	+0,07	+46	+0,01	+35

BEEF PERFORMANCE **BI 116** 70%

Daily net gain	Carcass percentage	Carcass grade
116	116	106

FUNCTIONAL TRAITS **FIT 114** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
115	115	96	110	101	103	106	111	135

Dam of Maigold

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**110**		
Muscling	**97**		
Feet & Legs	**113**		
Udder	**123**		
Height at cross	114	small	large
Body length	110	short	long
Rump width	102	narrow	wide
Body depth	99	shallow	deep
Rump angle	96	ascending	sloped
Hock angularity	92	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	108	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	103	short	long
Rear udder length	103	short	long
Fore udder att.	115	loose	tight
Susp. ligament	102	weak	strong
Udder depth	122	deep	high
Teat length	82	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	111	outwards	inwards
Udder cleanness	100	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Mayday

HB No. 10/880717
LOM DE 09 58328162
Born 26.04.2023

aAa **435261** GF.: F4C

MATROSE — MCGYVER / INNTAL
EDELPER 1/1 8744 4,68 409 3,59 314 — **ZEIGER** EDLE 4/4 9156 4,24 389 3,51 321 — **WABAN**

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

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 139** 75%

MILK INDEX **MI 128** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+983	+0,07	+48	-0,03	+32

BEEF PERFORMANCE **BI 95** 70%

Daily net gain	Carcass percentage	Carcass grade
100	96	96

FUNCTIONAL TRAITS **FIT 125** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	125	108	123	96	108	109	106	134

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Muscling	**94**		
Feet & Legs	**108**		
Udder	**118**		
Height at cross	106	small	large
Body length	103	short	long
Rump width	105	narrow	wide
Body depth	103	shallow	deep
Rump angle	90	ascending	sloped
Hock angularity	91	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	106	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	110	short	long
Rear udder length	115	short	long
Fore udder att.	108	loose	tight
Susp. ligament	99	weak	strong
Udder depth	105	deep	high
Teat length	90	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	116	wide	close
Teat placem. (rear)	93	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	107	add. teats	clean udder

Zimba Pp*

HB No. 10/866186
LOM DE 09 58233141
Born 10.04.2023

ZELDA — ZEIGER / IVANA 83
Pp* — **VALTRA P*S** BW 1092 3/3 9903 3,36 333 3,13 310 — **VILLEROY**

Milk production **Udder health** **Persistency**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 139** 73%

MILK INDEX **MI 122** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1065	-0,25	+22	+0,00	+38

BEEF PERFORMANCE **BI 108** 70%

Daily net gain	Carcass percentage	Carcass grade
108	110	102

FUNCTIONAL TRAITS **FIT 128** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
95	126	112	118	111	105	117	106	134

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Muscling	**103**		
Feet & Legs	**103**		
Udder	**112**		
Height at cross	103	small	large
Body length	104	short	long
Rump width	106	narrow	wide
Body depth	103	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	102	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	99	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	108	short	long
Rear udder length	99	short	long
Fore udder att.	110	loose	tight
Susp. ligament	96	weak	strong
Udder depth	107	deep	high
Teat length	100	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	89	wide	close
Teat direction (rear)	87	outwards	inwards
Udder cleanness	100	add. teats	clean udder

genomic

genomic

Kaiser5

HB No. 10/874777
LOM DE 09 58501009
Born 20.03.2023

KOSMOS — PARADYS / SINKA
MINA 1/1 8171 3,84 314 3,54 289 — **MCGYVER** / MIRIAM — **HERZPOCHEN**
2/2 10741 4,25 457 3,56 382

Allround sire | **Outcross** | **Type**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 139** 73%

MILK INDEX **MI 120** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+846	-0,12	+25	+0,00	+30

BEEF PERFORMANCE **BI 120** 70%

Daily net gain	Carcass percentage	Carcass grade
115	118	112

FUNCTIONAL TRAITS **FIT 123** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	116	109	121	106	99	112	109	138

2nd dam of Kaiser5, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**113**		
Muscling	**112**		
Feet & Legs	**103**		
Udder	**118**		
Height at cross	118	small	large
Body length	112	short	long
Rump width	102	narrow	wide
Body depth	101	shallow	deep
Rump angle	99	ascending	sloped
Hock angularity	96	straight	sickled
Hock develop.	91	swollen	dry
Pasterns	102	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	99	short	long
Fore udder att.	112	loose	tight
Susp. ligament	111	weak	strong
Udder depth	116	deep	high
Teat length	85	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	112	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Wundabua

HB No. 10/866164
LOM DE 09 57524896
Born 07.08.2022

GS WUNDAWUZI — WESTWIND / LIA
ZEZULA 1/1 10643 3,97 423 3,50 373 — **MANAUS** / ZELO — **VOLLGAS P*S**
2/2 10645 3,95 421 3,71 395

Dual purpose | **Muscling** | **Udder length**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 138** 76%

MILK INDEX **MI 129** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1163	-0,04	+45	-0,04	+38

BEEF PERFORMANCE **BI 118** 75%

Daily net gain	Carcass percentage	Carcass grade
117	115	110

FUNCTIONAL TRAITS **FIT 111** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	104	97	104	111	105	110	116	131

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Muscling	**111**		
Feet & Legs	**102**		
Udder	**110**		
Height at cross	106	small	large
Body length	108	short	long
Rump width	114	narrow	wide
Body depth	110	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	103	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	117	short	long
Rear udder length	122	short	long
Fore udder att.	100	loose	tight
Susp. ligament	102	weak	strong
Udder depth	94	deep	high
Teat length	91	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Iko

HB No. 10/866157
LOM DE0958060475
Born 21.05.2022

IQ P*S
- IRREGUT P*S
- EPOCHE

WIESEL
1/1 9817 3,96 389 3,53 347
- **HEXAGON**
  - BW 1071
  - 2/2 9573 3,40 326 3,41 327
- **WOBBLER**

Milk | **Milking speed** | **Beef**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 138** 76%

MILK INDEX **MI 127** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1071	+0,00	+45	-0,05	+34

BEEF PERFORMANCE **BI 112** 75%

Daily net gain	Carcass percentage	Carcass grade
107	111	108

FUNCTIONAL TRAITS **FIT 114** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
121	110	110	113	105	109	104	105	135

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Muscling	**107**		
Feet & Legs	**102**		
Udder	**110**		
Height at cross	104	small	large
Body length	102	short	long
Rump width	100	narrow	wide
Body depth	97	shallow	deep
Rump angle	114	ascending	sloped
Hock angularity	108	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	103	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	93	short	long
Fore udder att.	108	loose	tight
Susp. ligament	98	weak	strong
Udder depth	110	deep	high
Teat length	109	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Mergur P*S

HB No. 10/855686
LOM DE 09 58220399
Born 08.11.2022

aAa **426351**

MONET PP*
- MERCEDES Pp*
- MARIE Pp*

ICELADY
- **HERAKLES P*S**
  - INDIRIA
  - 2/2 10513 4,88 513 3,75 394
- **VADUZ**

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

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 138** 74%

MILK INDEX **MI 126** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1121	-0,13	+35	-0,03	+37

BEEF PERFORMANCE **BI 113** 70%

Daily net gain	Carcass percentage	Carcass grade
112	111	107

FUNCTIONAL TRAITS **FIT 119** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
113	111	99	107	101	109	122	104	134

Indira, granddam of Mergur PS

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**99**		
Feet & Legs	**112**		
Udder	**113**		
Height at cross	105	small	large
Body length	111	short	long
Rump width	106	narrow	wide
Body depth	99	shallow	deep
Rump angle	101	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	106	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	109	short	long
Fore udder att.	110	loose	tight
Susp. ligament	89	weak	strong
Udder depth	114	deep	high
Teat length	101	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	97	add. teats	clean udder

genomic

genomic

Spumante P*S

HB No. 10/866175
LOM DE 09 57689147
Born 22.10.2022

aAa **564132**

SPUTNIK — SPARTACUS / SUSI
ANTONIA Pp* — **MYSTERIUM Pp*** / ARABELL Pp* — **VOTARY P*S**
4/3 9639 3,76 362 3,36 324

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

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 138** 74%

MILK INDEX **MI 125** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+835	+0,04	+38	+0,02	+32

BEEF PERFORMANCE **BI 104** 72%

Daily net gain	Carcass percentage	Carcass grade
110	99	104

FUNCTIONAL TRAITS **FIT 121** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	108	100	124	117	110	112	115	137

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Muscling	**110**		
Feet & Legs	**107**		
Udder	**119**		
Height at cross	113	small	large
Body length	107	short	long
Rump width	113	narrow	wide
Body depth	103	shallow	deep
Rump angle	99	ascending	sloped
Hock angularity	95	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	103	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	105	short	long
Rear udder length	104	short	long
Fore udder att.	111	loose	tight
Susp. ligament	111	weak	strong
Udder depth	112	deep	high
Teat length	109	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	117	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	114	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Windham PP*

HB No. 10/427198
LOM DE 09 58460198
Born 17.05.2023

WIRBELWIND P*S — WAALKES Pp* / WAIANA
RABEA Pp* — **MYLIFE Pp*** / RAINBOW — **WILLE**
2/2 8881 4,28 380 3,48 310
4/4 8170 4,85 396 3,75 306

Dual purpose | **Fitness** | **Muscling**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 138** 75%

MILK INDEX **MI 125** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1217	-0,20	+33	-0,05	+38

BEEF PERFORMANCE **BI 110** 71%

Daily net gain	Carcass percentage	Carcass grade
112	105	107

FUNCTIONAL TRAITS **FIT 122** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	117	101	120	99	105	113	106	128

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Muscling	**112**		
Feet & Legs	**103**		
Udder	**106**		
Height at cross	111	small	large
Body length	109	short	long
Rump width	110	narrow	wide
Body depth	103	shallow	deep
Rump angle	104	ascending	sloped
Hock angularity	94	straight	sickled
Hock develop.	88	swollen	dry
Pasterns	108	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	98	short	long
Fore udder att.	94	loose	tight
Susp. ligament	103	weak	strong
Udder depth	107	deep	high
Teat length	112	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	95	wide	close
Teat placem. (rear)	90	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Wipoch

HB No. 10/427181
LOM DE 09 57795457
Born 10.08.2022

aAa **561432**

WINTERTRAUM — WOIWODE / ZALLI
EMILIA 2/2 9724 4,50 438 3,78 368 — **HERZPOCHEN** ESPANIA 2/2 8521 4,53 386 3,93 335 — **MANIGO**

Milk **Fitness** **Udder**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 138** 79%

MILK INDEX **MI 122** 88%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+975	-0,04	+37	-0,07	+28

BEEF PERFORMANCE **BI 106** 77%

Daily net gain	Carcass percentage	Carcass grade
107	105	105

FUNCTIONAL TRAITS **FIT 122** 82%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	122	100	124	112	103	107	109	136

Dam of Wipoch, 1st lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Muscling	**96**		
Feet & Legs	**125**		
Udder	**117**		
Height at cross	108	small	large
Body length	104	short	long
Rump width	97	narrow	wide
Body depth	99	shallow	deep
Rump angle	92	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	113	swollen	dry
Pasterns	107	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	116	short	long
Rear udder length	113	short	long
Fore udder att.	114	loose	tight
Susp. ligament	94	weak	strong
Udder depth	103	deep	high
Teat length	98	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Speedy

HB No. 10/866179
LOM DE 09 57399692
Born 09.01.2023

GS SPUTNIK — SPARTACUS / SUSI
726 1/1 9776 3,93 384 3,63 355 — **GS WOIWODE** 639 Pp* 3/3 7279 4,10 298 3,84 279 — **WINDSOR P*S**

Morphology **Fitness** **Dual purpose**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 138** 74%

MILK INDEX **MI 118** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+986	-0,24	+19	-0,06	+29

BEEF PERFORMANCE **BI 110** 71%

Daily net gain	Carcass percentage	Carcass grade
109	102	113

FUNCTIONAL TRAITS **FIT 128** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	117	106	125	116	102	116	119	141

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Muscling	**115**		
Feet & Legs	**112**		
Udder	**120**		
Height at cross	114	small	large
Body length	111	short	long
Rump width	107	narrow	wide
Body depth	104	shallow	deep
Rump angle	103	ascending	sloped
Hock angularity	97	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	109	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	99	short	long
Rear udder length	97	short	long
Fore udder att.	116	loose	tight
Susp. ligament	114	weak	strong
Udder depth	118	deep	high
Teat length	117	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	106	add. teats	clean udder

genomic

genomic

Westgate

HB No. 10/866169
LOM DE 09 57689134
Born 13.10.2022

aAa **513462** GF.: MSC

GS WUNDAWUZI — WESTWIND / LIA
P 1/1 9922 4,43 440 3,82 379 — **PASCAL** / PENELOP 3/3 8106 5,10 413 3,69 299 — **VERTIGO**

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

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 137** 75%

MILK INDEX **MI 129** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+820	+0,07	+41	+0,12	+40

BEEF PERFORMANCE **BI 104** 75%

Daily net gain	Carcass percentage	Carcass grade
104	105	99

FUNCTIONAL TRAITS **FIT 117** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	116	109	108	111	111	107	112	134

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**95**		
Feet & Legs	**108**		
Udder	**116**		
Height at cross	107	small	large
Body length	106	short	long
Rump width	104	narrow	wide
Body depth	104	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	106	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	102	short	long
Fore udder att.	107	loose	tight
Susp. ligament	113	weak	strong
Udder depth	110	deep	high
Teat length	99	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	120	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Multi P*S

HB No. 10/874800
LOM DE 09 58500993
Born 20.02.2023

MERKEL1 PP* — MERCEDES Pp* / ROLO Pp*
MIA — **MCGYVER** / MIRIAM 2/2 10741 4,25 457 3,56 382 — **HERZPOCHEN**

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

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 137** 73%

MILK INDEX **MI 119** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+935	-0,20	+21	-0,02	+31

BEEF PERFORMANCE **BI 115** 70%

Daily net gain	Carcass percentage	Carcass grade
121	112	105

FUNCTIONAL TRAITS **FIT 123** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	121	98	118	116	107	114	109	135

2nd dam of Multi PS, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**117**		
Muscling	**104**		
Feet & Legs	**131**		
Udder	**121**		
Height at cross	120	small	large
Body length	113	short	long
Rump width	109	narrow	wide
Body depth	113	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	89	straight	sickled
Hock develop.	119	swollen	dry
Pasterns	120	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	111	short	long
Rear udder length	104	short	long
Fore udder att.	108	loose	tight
Susp. ligament	106	weak	strong
Udder depth	118	deep	high
Teat length	101	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	112	outwards	inwards
Udder cleanness	97	add. teats	clean udder

Musical Pp

HB No. 10/855641
LOM DE 09 57496025
Born 14.08.2022

aAa **564132**

M3 Pp*
- MERCEDES Pp*
- PRINCES

ROCKQUE
100 T. 3568 4,15 148 3,14 112
- **MANAUS**
  - ROCKSTA
    5/4 9077 4,03 366 3,60 327
  - **ERBHOF**

Protein | **Muscling** | **Dual purpose**

A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 136** 75%

MILK INDEX **MI 131** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+994	-0,05	+37	+0,13	+47

BEEF PERFORMANCE **BI 119** 74%

Daily net gain	Carcass percentage	Carcass grade
120	113	113

FUNCTIONAL TRAITS **FIT 105** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
120	109	106	109	93	102	99	86	131

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Muscling	**114**		
Feet & Legs	**114**		
Udder	**119**		
Height at cross	113	small	large
Body length	106	short	long
Rump width	111	narrow	wide
Body depth	106	shallow	deep
Rump angle	99	ascending	sloped
Hock angularity	103	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	111	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	109	short	long
Rear udder length	98	short	long
Fore udder att.	111	loose	tight
Susp. ligament	110	weak	strong
Udder depth	117	deep	high
Teat length	104	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Savery

HB No. 10/427190
LOM DE 08 18298509
Born 20.12.2022

aAa **513642**

SUPERBOY
- SPARTACUS
- SABRINA

CELOTA
4/3 10793 4,16 449 3,44 371
- **WALOT**
  - CESTER
    4/4 10380 3,14 326 3,27 339
  - **GS VOLLWERT**

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

A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 136** 74%

MILK INDEX **MI 128** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+773	+0,17	+48	+0,07	+34

BEEF PERFORMANCE **BI 106** 71%

Daily net gain	Carcass percentage	Carcass grade
106	107	101

FUNCTIONAL TRAITS **FIT 115** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	112	94	116	104	102	112	101	134

Dam of Savery, 4th lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Muscling	**94**		
Feet & Legs	**112**		
Udder	**117**		
Height at cross	115	small	large
Body length	107	short	long
Rump width	103	narrow	wide
Body depth	104	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	92	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	104	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	112	short	long
Rear udder length	109	short	long
Fore udder att.	117	loose	tight
Susp. ligament	102	weak	strong
Udder depth	108	deep	high
Teat length	104	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	101	add. teats	clean udder

genomic

genomic

Wildenberg

HB No. 10/168249
LOM DE 09 58594723
Born 06.05.2023

GF.: MSC

WOERNITZ — WEISSENSEE / KEANA

FACEBOK 3/3 9750 4,19 409 3,71 362 — **IMPERATIV** / FRICKA 2/1 8550 4,34 371 3,52 301 — **HUTERA**

Fertility	Udder	Milk-kg

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 136** 75%

MILK INDEX **MI 128** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1082	-0,06	+40	+0,01	+40

BEEF PERFORMANCE **BI 109** 71%

Daily net gain	Carcass percentage	Carcass grade
104	109	107

FUNCTIONAL TRAITS **FIT 118** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
94	107	99	114	100	102	119	105	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Muscling	**98**		
Feet & Legs	**105**		
Udder	**125**		
Height at cross	110	small	large
Body length	104	short	long
Rump width	98	narrow	wide
Body depth	100	shallow	deep
Rump angle	103	ascending	sloped
Hock angularity	95	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	104	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	107	short	long
Fore udder att.	118	loose	tight
Susp. ligament	103	weak	strong
Udder depth	118	deep	high
Teat length	108	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	111	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Maxbesser

HB No. 10/168175
LOM DE 09 58316020
Born 15.11.2022

aAa **645213**

MEDIAN — GS MYSTERIUM Pp* / WERENA

MAREIKE 3/3 9294 5,58 519 4,05 376 — **HERZSCHLAG** / MARLENE 4/4 10065 4,74 477 3,91 394 — **MANIGO**

Type	Dual purpose	Longevity

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 136** 76%

MILK INDEX **MI 124** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+962	-0,07	+34	+0,00	+34

BEEF PERFORMANCE **BI 114** 75%

Daily net gain	Carcass percentage	Carcass grade
112	108	113

FUNCTIONAL TRAITS **FIT 115** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	120	103	126	104	100	96	100	136

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Muscling	**111**		
Feet & Legs	**113**		
Udder	**130**		
Height at cross	100	small	large
Body length	108	short	long
Rump width	105	narrow	wide
Body depth	106	shallow	deep
Rump angle	88	ascending	sloped
Hock angularity	101	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	105	weak	strong
Foot angle	114	low angles	steep angles
Fore udder length	109	short	long
Rear udder length	102	short	long
Fore udder att.	117	loose	tight
Susp. ligament	113	weak	strong
Udder depth	116	deep	high
Teat length	98	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	124	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Westway

HB No. 10/861600
LOM AT 86 6487 488
Born 10.09.2022

aAa **465231** GF.: MSC

GS WUNDAWUZI — WESTWIND / LIA
SUNSHINE 2/2 6324 4,40 279 3,76 238 — **GS WAY** SUMSI 3/3 13034 3,46 451 3,41 444 — **GS HENDORF**

Fertility **Udder** **Protein**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 136** 75%

MILK INDEX **MI 122** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+792	-0,04	+30	+0,05	+32

BEEF PERFORMANCE **BI 109** 74%

Daily net gain	Carcass percentage	Carcass grade
102	117	99

FUNCTIONAL TRAITS **FIT 121** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	117	106	119	114	110	114	97	136

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**116**		
Muscling	**103**		
Feet & Legs	**100**		
Udder	**125**		
Height at cross	120	small	large
Body length	112	short	long
Rump width	113	narrow	wide
Body depth	102	shallow	deep
Rump angle	101	ascending	sloped
Hock angularity	99	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	102	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	95	short	long
Fore udder att.	111	loose	tight
Susp. ligament	99	weak	strong
Udder depth	127	deep	high
Teat length	88	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	120	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	119	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Wapitano P*S

HB No. 10/871660
LOM DE 09 57892446
Born 13.04.2023

aAa **423651**

WANNABE PP* — WAALKES Pp* / GAUDET PP*
KAPITAN 1/1 7155 4,10 293 3,56 255 — **VIRGINIA** KORONA 5/5 7896 4,48 354 3,74 295 — **GS WOHLTAT**

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

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 136** 74%

MILK INDEX **MI 122** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+766	+0,02	+34	+0,01	+28

BEEF PERFORMANCE **BI 110** 71%

Daily net gain	Carcass percentage	Carcass grade
108	111	103

FUNCTIONAL TRAITS **FIT 121** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	124	94	116	106	114	111	104	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Muscling	**101**		
Feet & Legs	**110**		
Udder	**115**		
Height at cross	113	small	large
Body length	113	short	long
Rump width	108	narrow	wide
Body depth	101	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	104	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	108	short	long
Fore udder att.	106	loose	tight
Susp. ligament	104	weak	strong
Udder depth	117	deep	high
Teat length	110	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	94	outwards	inwards
Udder cleanness	100	add. teats	clean udder

genomic

genomic

Magazin PP*

HB No. 10/880609
LOM DE 09 57629010
Born 14.02.2023

MERKEL1 PP*
- MERCEDES Pp*
- ROLO Pp*

NITRO Pp*
100 T. 3840 3,88 149 3,70 142
- **WAALKES Pp***
  - NIC NAC
  - 2/2 10421 4,09 427 3,45 360
- **HERZAU**

Milk production | **Longevity** | **Fertility**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 136** 74%

MILK INDEX **MI 120** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+917	-0,08	+31	-0,07	+26

BEEF PERFORMANCE **BI 106** 70%

Daily net gain	Carcass percentage	Carcass grade
115	103	100

FUNCTIONAL TRAITS **FIT 124** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
114	116	95	118	107	111	120	108	130

Aunt of Magazin PP, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Muscling	**102**		
Feet & Legs	**109**		
Udder	**110**		
Height at cross	108	small	large
Body length	113	short	long
Rump width	109	narrow	wide
Body depth	107	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	95	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	110	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	103	short	long
Fore udder att.	104	loose	tight
Susp. ligament	108	weak	strong
Udder depth	107	deep	high
Teat length	84	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Himmelweit Pp*

HB No. 10/855533
LOM DE 09 57375546
Born 31.03.2022

aAa **423651**

HIMMEL
- HURLY
- DAIRYQU

ROMY PP*
- **MALAGA Pp***
  - ROXI Pp*
  - 2/2 8969 3,64 327 3,48 312
- **MAXIMUM Pp***

Milk production | **Longevity** | **Type**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 135** 77%

MILK INDEX **MI 128** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1567	-0,29	+37	-0,15	+41

BEEF PERFORMANCE **BI 104** 75%

Daily net gain	Carcass percentage	Carcass grade
116	105	94

FUNCTIONAL TRAITS **FIT 114** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	113	101	114	100	112	103	105	130

2nd dam of Himmelweit Pp

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**123**		
Muscling	**98**		
Feet & Legs	**105**		
Udder	**118**		
Height at cross	124	small	large
Body length	119	short	long
Rump width	115	narrow	wide
Body depth	118	shallow	deep
Rump angle	92	ascending	sloped
Hock angularity	86	straight	sickled
Hock develop.	85	swollen	dry
Pasterns	112	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	106	short	long
Rear udder length	107	short	long
Fore udder att.	115	loose	tight
Susp. ligament	100	weak	strong
Udder depth	108	deep	high
Teat length	104	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	120	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	116	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Mid PP*

HB No. 10/427187
LOM DE 06 67945350
Born 28.11.2022

aAa **561432**

MEVERIK Pp*
- MERCEDES Pp*
- ARNIKA

BERYLL PP*
- **VIDI Pp***
  - BERLINALE Pp*
  - 2/2 7463 4,37 327 3,92 293
- **VOLKERT**

Milk	Longevity	Udder

A1A1
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 135** 74%

MILK INDEX **MI 127** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1169	-0,09	+40	-0,06	+36

BEEF PERFORMANCE **BI 104** 71%

Daily net gain	Carcass percentage	Carcass grade
115	100	98

FUNCTIONAL TRAITS **FIT 115** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	111	105	115	106	103	105	110	128

LINEAR DESCRIPTION

Trait	Index	Tendency 76	88	100	112	124	136	Tendency
Frame	**108**							
Muscling	**97**							
Feet & Legs	**100**							
Udder	**111**							
Height at cross	107	small						large
Body length	111	short						long
Rump width	107	narrow						wide
Body depth	104	shallow						deep
Rump angle	94	ascending						sloped
Hock angularity	107	straight						sickled
Hock develop.	100	swollen						dry
Pasterns	103	weak						strong
Foot angle	103	low angles						steep angles
Fore udder length	111	short						long
Rear udder length	108	short						long
Fore udder att.	107	loose						tight
Susp. ligament	102	weak						strong
Udder depth	104	deep						high
Teat length	94	short						long
Teat thickness	99	thin						thick
Teat placem. (front)	105	wide						close
Teat placem. (rear)	105	wide						close
Teat direction (rear)	111	outwards						inwards
Udder cleanness	98	add. teats						clean udder

Winterwoid

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

WINTERTRAUM
- GS WOIWODE
- ZALLI

ZEUS
- 4/3 8492 5,16 438 3,84 326
- **RIAZA**
  - ZIMT
  - 4/4 10446 4,32 451 3,70 386
- **WOBBLER**

Outcross	Fat-%	Fitness

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 135** 78%

MILK INDEX **MI 124** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+785	+0,10	+42	+0,00	+27

BEEF PERFORMANCE **BI 105** 76%

Daily net gain	Carcass percentage	Carcass grade
99	108	103

FUNCTIONAL TRAITS **FIT 121** 82%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	119	105	105	112	104	120	105	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76	88	100	112	124	136	Tendency
Frame	**102**							
Muscling	**95**							
Feet & Legs	**114**							
Udder	**110**							
Height at cross	102	small						large
Body length	101	short						long
Rump width	99	narrow						wide
Body depth	100	shallow						deep
Rump angle	100	ascending						sloped
Hock angularity	95	straight						sickled
Hock develop.	105	swollen						dry
Pasterns	104	weak						strong
Foot angle	105	low angles						steep angles
Fore udder length	108	short						long
Rear udder length	107	short						long
Fore udder att.	94	loose						tight
Susp. ligament	105	weak						strong
Udder depth	99	deep						high
Teat length	90	short						long
Teat thickness	95	thin						thick
Teat placem. (front)	112	wide						close
Teat placem. (rear)	97	wide						close
Teat direction (rear)	99	outwards						inwards
Udder cleanness	105	add. teats						clean udder

genomic

genomic

Wontora

HB No. 10/427177
LOM DE 09 57797873
Born 27.06.2022

aAa **435261**

WINTERTRAUM — WOIWODE / ZALLI
AMICELI 3/3 8813 5,19 457 4,14 365 — **HOOD** ADELE — **IMPRESSION**
3/3 9701 4,15 402 3,72 361

Udder | **Fitness** | **Dual Purpose**

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 135** 78%

MILK INDEX **MI 118** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+632	+0,00	+26	+0,02	+24

BEEF PERFORMANCE **BI 112** 76%

Daily net gain	Carcass percentage	Carcass grade
105	113	108

FUNCTIONAL TRAITS **FIT 126** 82%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	124	109	115	102	104	120	99	137

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Muscling	**96**		
Feet & Legs	**123**		
Udder	**120**		
Height at cross	106	small	large
Body length	105	short	long
Rump width	98	narrow	wide
Body depth	95	shallow	deep
Rump angle	95	ascending	sloped
Hock angularity	100	straight	sickled
Hock develop.	118	swollen	dry
Pasterns	109	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	105	short	long
Fore udder att.	106	loose	tight
Susp. ligament	104	weak	strong
Udder depth	117	deep	high
Teat length	97	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	122	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Easylover

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

GF.: MSC

EASY — ETHOS / KEWANA
ELENOR 1/1 8722 5,26 459 3,62 316 — **HERMELIN** EVELIS GP83 — **POLAROID**
3/3 11762 4,57 537 3,55 417

Type | **Dual purpose** | **Longevity**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 135** 79%

MILK INDEX **MI 117** 88%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+984	-0,15	+27	-0,15	+21

BEEF PERFORMANCE **BI 117** 77%

Daily net gain	Carcass percentage	Carcass grade
116	116	108

FUNCTIONAL TRAITS **FIT 120** 83%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	114	111	116	101	109	116	95	133

Dam of Easylover

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Muscling	**105**		
Feet & Legs	**98**		
Udder	**110**		
Height at cross	108	small	large
Body length	108	short	long
Rump width	113	narrow	wide
Body depth	105	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	115	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	104	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	90	short	long
Rear udder length	89	short	long
Fore udder att.	109	loose	tight
Susp. ligament	116	weak	strong
Udder depth	117	deep	high
Teat length	103	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	93	wide	close
Teat direction (rear)	84	outwards	inwards
Udder cleanness	103	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Holyhead

HB No. 10/863492
LOM DE 09 58431849
Born 10.03.2023

aAa **561432** GF.: MSC

HOGWARTS — HOKUSPOKUS / PINA
LUXA 1/1 9873 4,12 407 3,72 367 — **WETTINER** / LUNA 3/3 11327 3,65 413 3,70 419 — **VILLEROY**

Milk | **Fertility** | **Udder**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 134** 74%

MILK INDEX **MI 127** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+881	+0,01	+38	+0,09	+39

BEEF PERFORMANCE **BI 109** 70%

Daily net gain	Carcass percentage	Carcass grade
108	105	107

FUNCTIONAL TRAITS **FIT 114** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	104	109	112	102	103	113	101	133

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Muscling	**102**		
Feet & Legs	**104**		
Udder	**117**		
Height at cross	105	small	large
Body length	102	short	long
Rump width	105	narrow	wide
Body depth	96	shallow	deep
Rump angle	86	ascending	sloped
Hock angularity	102	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	106	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	100	short	long
Rear udder length	91	short	long
Fore udder att.	114	loose	tight
Susp. ligament	96	weak	strong
Udder depth	123	deep	high
Teat length	96	short	long
Teat thickness	87	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Mehring P*S

HB No. 10/863466
LOM DE 09 57938922
Born 27.02.2023

MERKEL1 PP* — MERCEDES Pp* / ROLO Pp*
MERI 2/1 7882 4,16 328 3,26 257 — **HERZKLOPFEN** / MOBBI 4/4 8054 4,31 348 3,30 266 — **WOBBLER**

Easy calving | **Dual purpose** | **Type**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 134** 75%

MILK INDEX **MI 124** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+886	-0,01	+36	+0,00	+31

BEEF PERFORMANCE **BI 108** 71%

Daily net gain	Carcass percentage	Carcass grade
108	105	106

FUNCTIONAL TRAITS **FIT 118** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	117	105	113	114	101	109	107	131

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Muscling	**103**		
Feet & Legs	**117**		
Udder	**113**		
Height at cross	104	small	large
Body length	103	short	long
Rump width	98	narrow	wide
Body depth	102	shallow	deep
Rump angle	105	ascending	sloped
Hock angularity	86	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	111	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	102	short	long
Rear udder length	104	short	long
Fore udder att.	108	loose	tight
Susp. ligament	107	weak	strong
Udder depth	108	deep	high
Teat length	99	short	long
Teat thickness	87	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	100	add. teats	clean udder

genomic

genomic

Wyatt

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

aAa **435261**

WUNDERLING — WEISSENSEE HERA
EVI 4/4 9038 4,14 374 3,60 325 — **HUTORIO** EVI 3/3 7752 4,30 333 3,96 307 — **WIKINGER**

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

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 134** 77%

MILK INDEX **MI 122** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+626	+0,17	+41	+0,02	+24

BEEF PERFORMANCE **BI 109** 76%

Daily net gain	Carcass percentage	Carcass grade
107	108	104

FUNCTIONAL TRAITS **FIT 119** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	124	104	110	106	102	111	102	128

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Muscling	**103**		
Feet & Legs	**106**		
Udder	**110**		
Height at cross	115	small	large
Body length	111	short	long
Rump width	107	narrow	wide
Body depth	108	shallow	deep
Rump angle	108	ascending	sloped
Hock angularity	107	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	105	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	101	short	long
Rear udder length	103	short	long
Fore udder att.	98	loose	tight
Susp. ligament	117	weak	strong
Udder depth	108	deep	high
Teat length	103	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	91	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	114	outwards	inwards
Udder cleanness	103	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* 4/3 9361 4,22 395 3,56 333 — **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 2024) **TMI 134** 79%

MILK INDEX **MI 122** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+754	+0,04	+35	+0,00	+27

BEEF PERFORMANCE **BI 109** 76%

Daily net gain	Carcass percentage	Carcass grade
117	107	102

FUNCTIONAL TRAITS **FIT 118** 83%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	118	96	116	98	112	111	99	128

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

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**119**		
Muscling	**104**		
Feet & Legs	**103**		
Udder	**116**		
Height at cross	123	small	large
Body length	117	short	long
Rump width	112	narrow	wide
Body depth	106	shallow	deep
Rump angle	110	ascending	sloped
Hock angularity	108	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	101	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	103	short	long
Rear udder length	108	short	long
Fore udder att.	110	loose	tight
Susp. ligament	95	weak	strong
Udder depth	109	deep	high
Teat length	87	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	126	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Willers PP*

HB No. 10/874764
LOM DE 09 57852789
Born 23.01.2023

WIRBELWIND P*S — WAALKES Pp* / WAIANA
HAIPIDI Pp* 1/1 9835 4,79 471 3,67 361 — **VIDI Pp*** / HAIPA 3/3 11203 4,18 468 3,57 400 — **MACBETH**

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

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 134** 75%

MILK INDEX **MI 121** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+696	+0,08	+36	-0,01	+24

BEEF PERFORMANCE **BI 111** 71%

Daily net gain	Carcass percentage	Carcass grade
112	112	102

FUNCTIONAL TRAITS **FIT 119** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	118	106	120	100	109	104	104	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Muscling	**102**		
Feet & Legs	**106**		
Udder	**115**		
Height at cross	111	small	large
Body length	108	short	long
Rump width	102	narrow	wide
Body depth	98	shallow	deep
Rump angle	106	ascending	sloped
Hock angularity	94	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	103	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	97	short	long
Fore udder att.	114	loose	tight
Susp. ligament	101	weak	strong
Udder depth	111	deep	high
Teat length	106	short	long
Teat thickness	84	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	97	add. teats	clean udder

Mm PP*

HB No. 10/874710
LOM DE 09 57687656
Born 25.09.2022

MCFLY Pp* — GS MCDRIVE Pp* / MILA
TOKO Pp* 1/1 8492 3,60 306 3,56 302 — **MAROKKO PP*** / TOLO 2/2 8809 4,16 367 3,54 312 — **MANOLO Pp***

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

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 134** 78%

MILK INDEX **MI 120** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1082	-0,23	+24	-0,06	+33

BEEF PERFORMANCE **BI 110** 75%

Daily net gain	Carcass percentage	Carcass grade
105	110	106

FUNCTIONAL TRAITS **FIT 121** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	115	105	121	108	107	115	96	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**97**		
Muscling	**110**		
Feet & Legs	**113**		
Udder	**112**		
Height at cross	97	small	large
Body length	97	short	long
Rump width	99	narrow	wide
Body depth	104	shallow	deep
Rump angle	96	ascending	sloped
Hock angularity	93	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	108	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	103	short	long
Rear udder length	106	short	long
Fore udder att.	109	loose	tight
Susp. ligament	92	weak	strong
Udder depth	106	deep	high
Teat length	90	short	long
Teat thickness	87	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	97	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	99	add. teats	clean udder

genomic

genomic

Husim PP*

HB No. 10/606955
LOM HR 9.201.507.770
Born 25.03.2022

HAMLET Pp* — HERMELIN / ARIELLE PP*
LINA Pp* — **MANOLO Pp*** — LEA — 5/4 10618 3,74 397 3,20 339 — **GS OTHELLO**

Milk kg	Type	Longevity

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 134** 78%

MILK INDEX **MI 115** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1287	-0,39	+17	-0,23	+24

BEEF PERFORMANCE **BI 107** 76%

Daily net gain	Carcass percentage	Carcass grade
102	110	103

FUNCTIONAL TRAITS **FIT 126** 83%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	119	110	131	96	111	109	103	134

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Muscling	**99**		
Feet & Legs	**111**		
Udder	**113**		
Height at cross	103	small	large
Body length	103	short	long
Rump width	95	narrow	wide
Body depth	96	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	99	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	101	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	97	short	long
Rear udder length	96	short	long
Fore udder att.	104	loose	tight
Susp. ligament	111	weak	strong
Udder depth	119	deep	high
Teat length	100	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	111	outwards	inwards
Udder cleanness	98	add. teats	clean udder

Mcpochen

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

GF.: F4C

MCGYVER — MACBETH / KOALA
MIRIAM 2/2 10741 4,25 457 3,56 382 — **HERZPOCHEN** — MAXIMA — 3/2 11384 4,32 492 3,39 386 — **MANDRIN**

Udder	Milk	Frame

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 133** 80%

MILK INDEX **MI 126** 88%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+948	+0,08	+47	-0,04	+30

BEEF PERFORMANCE **BI 119** 77%

Daily net gain	Carcass percentage	Carcass grade
123	115	109

FUNCTIONAL TRAITS **FIT 104** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
124	103	99	102	110	101	105	97	128

Dam of Mcpochen, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**113**		
Muscling	**101**		
Feet & Legs	**112**		
Udder	**119**		
Height at cross	115	small	large
Body length	107	short	long
Rump width	104	narrow	wide
Body depth	112	shallow	deep
Rump angle	98	ascending	sloped
Hock angularity	105	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	109	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	112	short	long
Rear udder length	106	short	long
Fore udder att.	116	loose	tight
Susp. ligament	104	weak	strong
Udder depth	111	deep	high
Teat length	86	short	long
Teat thickness	106	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	102	add. teats	clean udder

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
2/2 11064 3,80 420 3,51 388

RALDI

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

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 133** 80%

MILK INDEX **MI 126** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+781	+0,15	+46	+0,03	+31

BEEF PERFORMANCE **BI 103** 78%

Daily net gain	Carcass percentage	Carcass grade
113	97	101

FUNCTIONAL TRAITS **FIT 114** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	114	101	113	112	112	105	103	129

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Muscling	**96**		
Feet & Legs	**114**		
Udder	**103**		
Height at cross	109	small	large
Body length	107	short	long
Rump width	104	narrow	wide
Body depth	105	shallow	deep
Rump angle	105	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	114	swollen	dry
Pasterns	104	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	109	short	long
Fore udder att.	102	loose	tight
Susp. ligament	99	weak	strong
Udder depth	101	deep	high
Teat length	104	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	93	wide	close
Teat direction (rear)	85	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Wiederwind P*S

HB No. 10/855558
LOM DE 09 57496376
Born 08.07.2022

WINTERTRAUM
GS WOIWODE
ZALLI

MARICA PP*
2/1 9016 4,05 365 3,83 345

MILKA PP*
MARGRET
5/5 10417 4,11 429 3,44 359

IROKESE P*S

Feet & Legs **Udder** **Udder health**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 133** 77%

MILK INDEX **MI 121** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1051	-0,17	+28	-0,07	+31

BEEF PERFORMANCE **BI 104** 75%

Daily net gain	Carcass percentage	Carcass grade
96	108	100

FUNCTIONAL TRAITS **FIT 120** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	124	100	115	115	105	107	109	132

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Muscling	**94**		
Feet & Legs	**122**		
Udder	**116**		
Height at cross	102	small	large
Body length	101	short	long
Rump width	94	narrow	wide
Body depth	95	shallow	deep
Rump angle	114	ascending	sloped
Hock angularity	99	straight	sickled
Hock develop.	116	swollen	dry
Pasterns	110	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	107	short	long
Rear udder length	111	short	long
Fore udder att.	109	loose	tight
Susp. ligament	100	weak	strong
Udder depth	108	deep	high
Teat length	91	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	101	add. teats	clean udder

genomic

genomic

Rosenrot Pp*

HB No. 10/874765
LOM DE 09 58500977
Born 09.01.2023

aAa **426531** GF.: F4C

ROSE PP* — ROSENDUFT Pp* / GINSTER
MINA 1/1 8171 3,84 314 3,54 289 — **MCGYVER** / MIRIAM — **HERZPOCHEN**
2/2 10741 4,25 457 3,56 382

Fitness | **Feet & Legs** | **Components**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 132** 74%

MILK INDEX **MI 122** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+527	+0,15	+35	+0,10	+27

BEEF PERFORMANCE **BI 113** 70%

Daily net gain	Carcass percentage	Carcass grade
110	112	108

FUNCTIONAL TRAITS **FIT 113** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	118	101	114	109	106	97	108	131

2nd dam of Rosenrot Pp

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**100**		
Muscling	**95**		
Feet & Legs	**109**		
Udder	**117**		
Height at cross	103	small	large
Body length	99	short	long
Rump width	94	narrow	wide
Body depth	94	shallow	deep
Rump angle	102	ascending	sloped
Hock angularity	104	straight	sickled
Hock develop.	114	swollen	dry
Pasterns	103	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	114	short	long
Rear udder length	109	short	long
Fore udder att.	105	loose	tight
Susp. ligament	107	weak	strong
Udder depth	112	deep	high
Teat length	89	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Vantom Pp

HB No. 10/863381
LOM DE 09 57763668
Born 18.08.2022

aAa **243615**

VIKINGS PP* — VICTIM PP* / PUMUCKL Pp*
GLOSSY Pp* 1/1 9154 4,41 404 3,86 353 — **EDELSTEIN** / GENIE Pp* — **MUERITZ P*S**
3/2 10775 3,98 429 3,70 399

Frame | **Protein** | **Udder health**

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 132** 75%

MILK INDEX **MI 118** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+514	+0,00	+22	+0,13	+29

BEEF PERFORMANCE **BI 106** 73%

Daily net gain	Carcass percentage	Carcass grade
110	106	100

FUNCTIONAL TRAITS **FIT 121** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	120	97	114	97	112	119	96	131

Glossy Pp, dam of Vantom PS, 2. lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**122**		
Muscling	**99**		
Feet & Legs	**106**		
Udder	**125**		
Height at cross	126	small	large
Body length	120	short	long
Rump width	110	narrow	wide
Body depth	106	shallow	deep
Rump angle	98	ascending	sloped
Hock angularity	105	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	105	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	97	short	long
Rear udder length	89	short	long
Fore udder att.	108	loose	tight
Susp. ligament	111	weak	strong
Udder depth	131	deep	high
Teat length	103	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	121	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	98	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 2/2 10198 4,04 412 4,02 410 — **WIKINGER** / MARINA 5/4 10044 4,11 413 3,73 375 — **RALDI**

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

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 132** 80%

MILK INDEX **MI 117** 88%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+567	-0,09	+16	+0,12	+30

BEEF PERFORMANCE **BI 91** 79%

Daily net gain	Carcass percentage	Carcass grade
102	85	96

FUNCTIONAL TRAITS **FIT 132** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	127	113	130	97	103	122	94	135

Marina, grand dam of Merten, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**111**		
Muscling	**110**		
Feet & Legs	**120**		
Udder	**133**		
Height at cross	110	small	large
Body length	111	short	long
Rump width	115	narrow	wide
Body depth	108	shallow	deep
Rump angle	87	ascending	sloped
Hock angularity	95	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	113	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	94	short	long
Rear udder length	106	short	long
Fore udder att.	129	loose	tight
Susp. ligament	118	weak	strong
Udder depth	121	deep	high
Teat length	95	short	long
Teat thickness	84	thin	thick
Teat placem. (front)	119	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	107	add. teats	clean udder

Wisper PP*

HB No. 10/861658
LOM DE 09 58547326
Born 05.12.2022

GF.: MSC

WANNABE PP* — WAALKES Pp* / GAUDET PP*

GERKE Pp* 200 T. 6210 4,15 258 3,27 203 — **MCGYVER** / GABELLA Pp* 3/3 8696 4,09 356 3,29 286 — **HERZTON**

Milk production | **Udder health** | **Easy calving**

A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 131** 74%

MILK INDEX **MI 121** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+860	-0,04	+32	-0,03	+28

BEEF PERFORMANCE **BI 103** 71%

Daily net gain	Carcass percentage	Carcass grade
103	108	97

FUNCTIONAL TRAITS **FIT 119** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	118	104	113	112	107	112	104	128

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**103**		
Muscling	**99**		
Feet & Legs	**107**		
Udder	**112**		
Height at cross	102	small	large
Body length	106	short	long
Rump width	101	narrow	wide
Body depth	104	shallow	deep
Rump angle	86	ascending	sloped
Hock angularity	106	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	101	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	107	short	long
Rear udder length	112	short	long
Fore udder att.	103	loose	tight
Susp. ligament	101	weak	strong
Udder depth	108	deep	high
Teat length	111	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	100	add. teats	clean udder

genomic

genomic

Westham PP*

HB No. 10/871525
LOM DE 09 57083567
Born 26.12.2021

GS WEGA Pp*
PUMUCKL Pp*
3/3 12708 4,12 523 3,61 459
WEISSENSEE ARIELLE PP*
VOLLENDET
POGBA PP*
5/5 11290 4,54 513 3,73 421
VOLLGAS P*S

Beef	Longevity	Muscling

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 130** 78%

MILK INDEX **MI 112** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+696	-0,10	+20	-0,11	+15

BEEF PERFORMANCE **BI 123** 75%

Daily net gain	Carcass percentage	Carcass grade
120	121	112

FUNCTIONAL TRAITS **FIT 117** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	117	102	118	100	106	107	98	126

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Muscling	**110**		
Feet & Legs	**101**		
Udder	**111**		
Height at cross	111	small	large
Body length	111	short	long
Rump width	113	narrow	wide
Body depth	103	shallow	deep
Rump angle	88	ascending	sloped
Hock angularity	119	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	103	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	110	short	long
Rear udder length	97	short	long
Fore udder att.	109	loose	tight
Susp. ligament	98	weak	strong
Udder depth	116	deep	high
Teat length	107	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	97	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Instyle PP*

HB No. 10/874644
LOM DE 09 57673499
Born 05.05.2022

aAa **561423**

IQ P*S
BAILA PP*
1/1 9417 3,83 361 3,37 317
IRREGUT P*S
EPOCHE
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 2024) **TMI 126** 77%

MILK INDEX **MI 118** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+638	+0,08	+34	-0,05	+18

BEEF PERFORMANCE **BI 105** 76%

Daily net gain	Carcass percentage	Carcass grade
109	101	103

FUNCTIONAL TRAITS **FIT 114** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	110	107	119	102	103	103	102	129

Baila PP, dam of Instyle PP, 1st lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Muscling	**116**		
Feet & Legs	**109**		
Udder	**126**		
Height at cross	110	small	large
Body length	111	short	long
Rump width	107	narrow	wide
Body depth	111	shallow	deep
Rump angle	109	ascending	sloped
Hock angularity	98	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	105	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	112	short	long
Rear udder length	104	short	long
Fore udder att.	124	loose	tight
Susp. ligament	93	weak	strong
Udder depth	116	deep	high
Teat length	101	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	97	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Merkel1 PP*

HB No. 10/174266
LOM DE 09 56329533
Born 08.12.2020

aAa **465231**

MERCEDES Pp*
- MINOR
- PIGAS PP*

ROLO Pp*
3/2 8903 4,08 364 3,57 318
- **MANOLO Pp***
  - ROBERT
  - 4/4 10543 3,99 421 3,47 366
- **HUMPERT**

Components	Type	Udder health
	A2A2	AB

genomic

TOTAL MERIT INDEX (Proof: August 2024) **TMI 125** 80%

MILK INDEX **MI 111** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+366	+0,00	+16	+0,03	+16

BEEF PERFORMANCE **BI 104** 78%

Daily net gain	Carcass percentage	Carcass grade
109	103	99

FUNCTIONAL TRAITS **FIT 124** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
90	123	94	114	110	105	119	109	125

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Muscling	**112**		
Feet & Legs	**128**		
Udder	**118**		
Height at cross	111	small	large
Body length	112	short	long
Rump width	104	narrow	wide
Body depth	108	shallow	deep
Rump angle	100	ascending	sloped
Hock angularity	90	straight	sickled
Hock develop.	113	swollen	dry
Pasterns	120	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	107	short	long
Rear udder length	99	short	long
Fore udder att.	116	loose	tight
Susp. ligament	105	weak	strong
Udder depth	118	deep	high
Teat length	105	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	95	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Morgan PP*

HB No. 10/861400
LOM DE 09 56564969
Born 23.02.2022

aAa **516342** GF.: MSC

MARTINUS P*S
- MUNTER P*S
- ZENZI Pp*

PEPSI Pp*
3/3 7316 4,35 318 3,54 259
- **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 2024) **TMI 123** 75%

MILK INDEX **MI 118** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+481	+0,15	+34	+0,02	+19

BEEF PERFORMANCE **BI 111** 74%

Daily net gain	Carcass percentage	Carcass grade
114	105	109

FUNCTIONAL TRAITS **FIT 106** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	112	109	107	116	103	94	100	122

Pepsi Pp, dam of Morgan PP

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**93**		
Muscling	**109**		
Feet & Legs	**103**		
Udder	**111**		
Height at cross	90	small	large
Body length	102	short	long
Rump width	95	narrow	wide
Body depth	103	shallow	deep
Rump angle	97	ascending	sloped
Hock angularity	108	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	97	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	104	short	long
Rear udder length	101	short	long
Fore udder att.	114	loose	tight
Susp. ligament	106	weak	strong
Udder depth	101	deep	high
Teat length	102	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	101	add. teats	clean udder

genomic


8. Deutsche Fleckviehschau
KLASSENSIEGERIN 2023
8. Deutsche Fleckviehschau
RINDERSIEGERIN 2023

Fleckvieh is our passion

Photo **Dorothee Warder**

Register

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Photo M.Wimmer

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.

VITn= 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.

Explication de signes

Nom; P, Pp, PP, PS: sans cornes

HB No.: Signifie un index total avec les valeurs d'élevages partielles, coefficient de détermination en %.

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

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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 - Vitesse de traite: = Milking speed: relative breeding value for milking speed.

UH - Santé mamelle. = Udder health: relative breeding value for udder health.

Pers - Persistence = Persistency: relative breeding value for durability during the lactation.

L - longévité = Productive lifetime: relative breeding value for productive lifetime.

Calving ease - Vêlages = Relative breeding values for paternal (pat) and maternal effects (mat) on calving trend.

Fert - Fertilité = 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 - Index total écologique = Ecological Total Merit Index, is an index that focuses on fitness and type traits.

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, A2A2: 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

Photo **M.Wimmer**

GGI-SPERMEX GmbH

Ottostraße 26
85521 Ottobrunn
Germany

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

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

Am Osterfeld 14
49661 Cloppenburg-Bethen
Germany

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

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

Distribuidor en España:
IMPORT EXPORT BAS, SL
Carretera Martins, 24 - Parcel·la 5
17176 Sant Esteve d'en Bas (GIRONA)
Telefonos 972 690 426 · 649 425 331
www.bas-sl.com · info@bas-sl.com
Redes Sociales: @importexportbas

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