

2019/20

Proofs: August 2019

GERMAN  
**FLECKVIEH**

Progeny tested  
Genomic  
Polled

Luca Noll



**GGI-SPERMEX**  
Genetics made in Germany

**SIRE  
CATALOGUE**



**GGI-SPERMEX**  
Genetics made in Germany

# Welcome to the next

## Dear Fleckvieh friends, partners and customers

Cows easy to handle with excellent health traits are the key for success in all farming systems and the prerequisite for a profitable dairy production. In order to improve the quality of any dairy herd it is necessary to have a broad variety of sires to choose from.

The German Fleckvieh catalogue of GGI-SPERMEX offers a wide range of sires with universal qualities. Moreover, you will also find specialists for certain traits if you are looking to improve particular traits in your herd. Our program includes progeny tested Fleckvieh sires out of different bloodlines and dam sires as well as a large number of young genomic sires. It is completed by quite a few polled Fleckvieh sires with well-balanced breeding values and different pedigrees. Moreover we also have sexed semen of superior Fleckvieh sires available in our portfolio. For our actual range of sexed semen, please have a look on our website.

Regardless of whether you are more interested in the latest generation genetics of young sires with genomic information, young daughter proven hopefuls with a few hundred daughters or solid second crop sires with several thousand daughters, the German sire testing system excels with the largest and most efficient Fleckvieh breeding program in the world and thus provides reliable figures and offers as much information as possible on each sire.

GGI-SPERMEX is committed to provide dairy farmers around the world with a balanced mixture of excellent German Fleckvieh genetics. Have a look!





# generation!

## Overview German Fleckvieh

The bulls are listed in their categories descending from GZW

Cover photo: HUTERA daughter **Riekone**, © Luca Nolli  
 Page 2 + 3: ZAHARA daughter **Amy**, © Luca Nolli  
 Backcover photo: **Hector PP**, © Anne-Mette Evers

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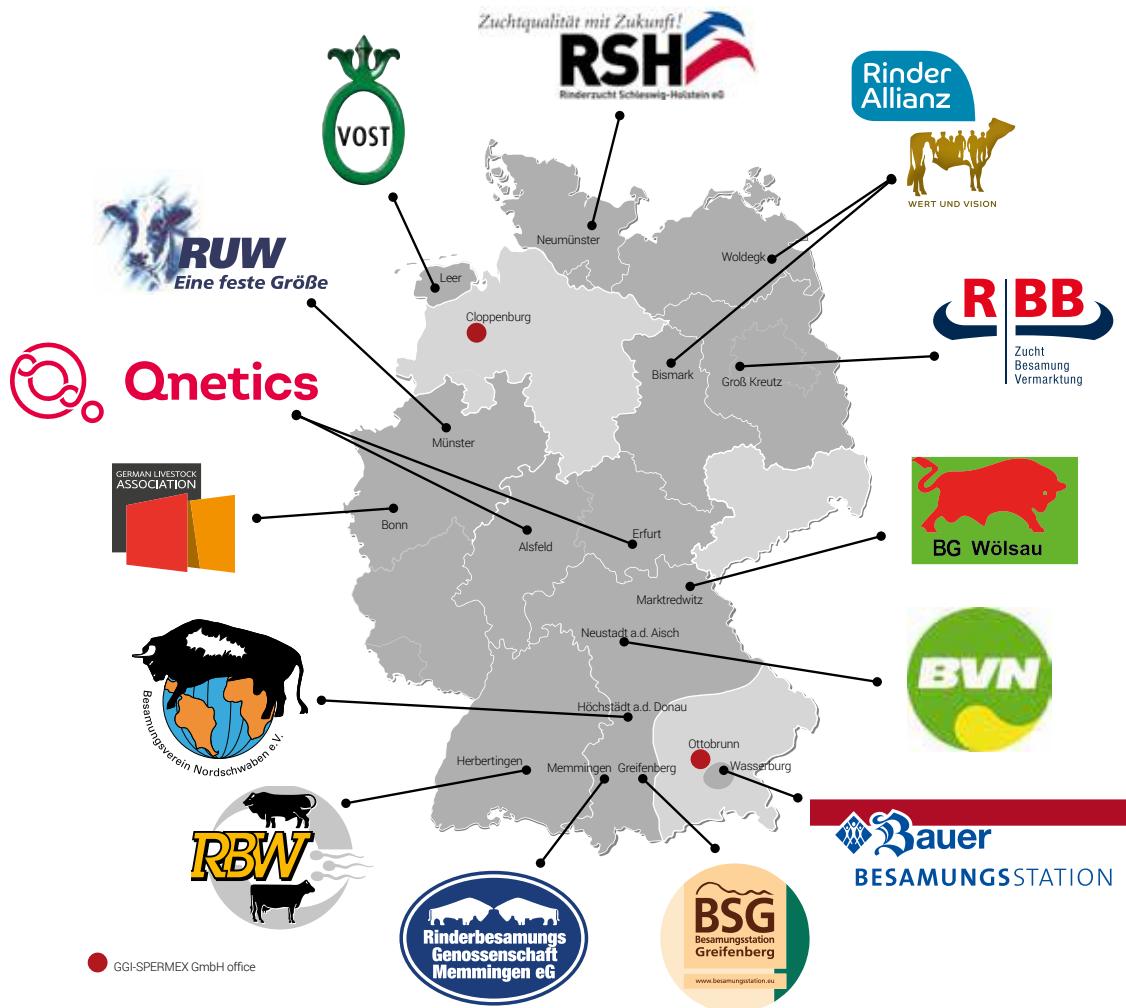
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# About GGI-SPERMEX

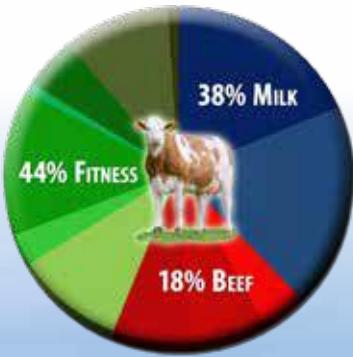


GGI-SPERMEX GmbH represents 13 German breeding and A.I. organizations on the international market for cattle genetics, each of the 13 members from across Germany offering experience, know-how and genetics from their areas. Having their own, strong breeding programs based on the largest registered breeding populations worldwide, the members of GGI-SPERMEX have the entire variety of all cattle breeds in Germany – and at the highest genetic level. This results in a unique portfolio including – besides the key breeds Brown Swiss, Fleckvieh, Holstein and Red Holstein – more than 30 further breeds, i.e. dairy breeds, several dual purpose and beef breeds as well as regional breeds.

In co-operation with our international partners, GGI-SPERMEX gives breeders worldwide access to the entire potential of German cattle breeds.

Moreover GGI-SPERMEX also provides a reliable service in all fields of cattle breeding and management. All sires offered are tested with high reliability and accuracy, based on the worldwide leading estimation model for breeding values. This applies to daughter proven sires as well as to only genomic tested young bulls.

The German breeding philosophy is clearly reflected in GGI-SPERMEX's product range. This includes high milk production with good components, dual purpose genetics, good conformation with excellent feet and legs and functional, healthy udders as well as high fertility and great longevity. The aim is an efficient, healthy, trouble-free cow that gives high production under a variety of housing and environmental conditions over many lactations.

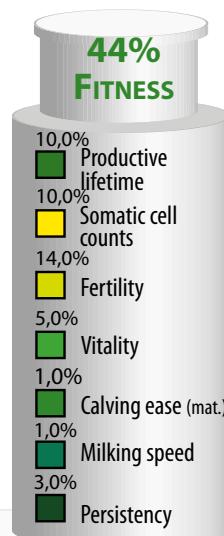
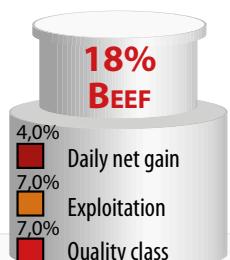
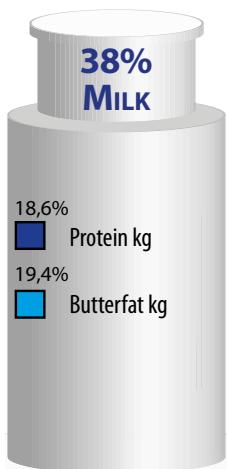


# German Fleckvieh

Profit from the world's largest Fleckvieh population!



## Composition of the TOTAL MERIT INDEX



## German Fleckvieh population:

**885,591 cows under milk recording**

**749,718 cows registered in herdbook**

# GERMAN FLECKVIEH

## Boost the profitability of your herd



**German Fleckvieh**  
Balanced dual purpose  
breed!

Luca Noll

### Dual purpose – Milk and beef

Fleckvieh is a balanced dual purpose breed. Modern Fleckvieh cows convince with a high milk production and excellent components (4.1 % butterfat, 3.5 % protein). Apart from that Fleckvieh cattle show high growth rates and excellent muscularity. Due to their extraordinary daily net gains and premium beef quality male Fleckvieh calves are high in demand. Producing milk and beef in one animal provides the farmer high efficiency and flexibility under various market conditions.



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

Luca Noll

### Fitness

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



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

Luca Noll

### Health

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

## Adaptation

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

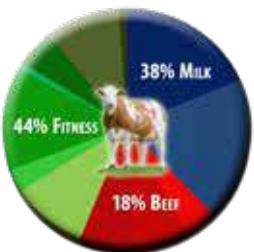


**German Fleckvieh**  
Proven in all kinds of climates and environments!

© Anne-Mette Evers

## Breeding program and high data quality

Germany has the world's largest Fleckvieh population with almost 740,000 cows registered in the herd book and almost 880,000 cows under milk control. The estimation of the breeding values is conducted at independent computing centers in cooperation with other European countries in order to get comparable results in different environments. The type evaluation of the cows is done by state officials, which guarantees completely independent results and keeps off any influence from economic interests of breeding companies. A precise animal identification system guarantees high data quality and a comprehensive data base.



**German Fleckvieh**  
Extensive data collection and independent estimation of breeding values!



**German Fleckvieh**  
The ideal choice for cross breeding!

© Christine Masseller

## Cross breeding

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

© Wolfhard Schulze

# HURLY

HBNr. 10/177400  
LOM DE 09 47424346  
Born 07.08.2012

aAa 426531

Pigm.: 49 %

**HULKOR**

HULOCK  
KORALLE

**AFRA**

SEGO

AMANDA

HIPPO

7/6 9.562 3,93 3,56 716

8/8 8.703 4,11 3,45 659

Dual purpose

Fertility

Udder



A2A2

AA

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 137** 97%

Milk performance

**MW 119** 99%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +998    | -0,26 | +19    | -0,03   | +33     |

Beef performance

**FW 114** 99%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 109            | 116                | 105     |

Functional traits

**FIT 119** 97%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 82 | 107 | 108  | 112 | 118              | 102              | 117  | 114 | 99%         |



MARIE - Daughter of Hury

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88   | 100  | 112 | 124 | Trend        |
|------------------------|-------|------------|----|------|------|-----|-----|--------------|
| Frame                  | 104   |            |    |      | ■    |     |     |              |
| Muscling               | 102   |            |    |      | ■    |     |     |              |
| Feet & Legs            | 111   |            |    |      | ■■■  |     |     |              |
| Udder                  | 118   |            |    |      | ■■■■ |     |     |              |
| Height at cross        | 105   | small      |    |      |      |     |     | large        |
| Body length            | 104   | short      |    |      | ■■■  |     |     | long         |
| Rump width             | 104   | narrow     |    |      | ■■■  |     |     | wide         |
| Body depth             | 104   | shallow    |    |      | ■■■  |     |     | deep         |
| Rump angle             | 82    | ascending  |    | ■■■■ | ■    |     |     | sloped       |
| Hock angularity        | 96    | straight   |    | ■■■■ | ■    |     |     | sickled      |
| Hock develop.          | 104   | swollen    |    | ■■■■ | ■    |     |     | dry          |
| Pasterns               | 104   | weak       |    | ■■■■ | ■    |     |     | strong       |
| Foot angle             | 109   | low angles |    | ■■■■ | ■    |     |     | steep angles |
| Fore udder length      | 116   | short      |    |      | ■■■■ |     |     | long         |
| Rear udder length      | 102   | short      |    |      | ■■■■ |     |     | long         |
| Fore udder attachment  | 112   | loose      |    |      | ■■■■ |     |     | tight        |
| Susp. ligament         | 99    | weak       |    |      | ■■■■ |     |     | strong       |
| Udder depth            | 110   | deep       |    |      | ■■■■ |     |     | high         |
| Teat length            | 110   | short      |    | ■■■■ | ■    |     |     | long         |
| Teat thickness         | 102   | thin       |    | ■■■■ | ■    |     |     | thick        |
| Teat placement (front) | 113   | wide       |    | ■■■■ | ■    |     |     | close        |
| Teat placement (rear)  | 102   | wide       |    | ■■■■ | ■    |     |     | close        |
| Teat direction (rear)  | 100   | outwards   |    | ■■■■ | ■    |     |     | inwards      |
| Udder cleanness        | 104   | add. teats |    | ■■■■ | ■    |     |     | clean udder  |

# VILLEROY

HBNr. 10/171300  
LOM DE 09 47673487  
Born 05.10.2012

aAa 423651

Pigm.: 25 %

**REUMUT**

RAUF.BOLD

FIONA

LIMA

ETTAL

LISABON

6/6 10.476 4,21 3,65 823

ZAHNER

8/7 10.834 4,35 3,61 862

Dual purpose

Fitness

Udder

A1A1

AA

Progeny tested



Total merit index (Proof: August 2019)

**gGZW 135** 96%

Milk performance

**MW 118** 99%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +752    | -0,12 | +21    | +0,03   | +29     |

Beef performance

**FW 117** 99%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 112            | 112                | 114     |

Functional traits

**FIT 114** 95%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 110 | 103 | 106  | 115 | 104              | 114              | 112  | 108 | 99%         |



RANGE - Daughter of Villroy

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88   | 100   | 112 | 124 | Trend        |
|------------------------|-------|------------|----|------|-------|-----|-----|--------------|
| Frame                  | 91    |            |    |      | ■     |     |     |              |
| Muscling               | 91    |            |    |      | ■■■   |     |     |              |
| Feet & Legs            | 110   |            |    |      | ■■■■  |     |     |              |
| Udder                  | 115   |            |    |      | ■■■■■ |     |     |              |
| Height at cross        | 92    | small      |    |      | ■■■■  |     |     | large        |
| Body length            | 97    | short      |    |      | ■■■■  |     |     | long         |
| Rump width             | 94    | narrow     |    |      | ■■■■  |     |     | wide         |
| Body depth             | 88    | shallow    |    |      | ■■■■  |     |     | deep         |
| Rump angle             | 87    | ascending  |    | ■■■■ | ■     |     |     | sloped       |
| Hock angularity        | 98    | straight   |    | ■■■■ | ■     |     |     | sickled      |
| Hock develop.          | 101   | swollen    |    | ■■■■ | ■     |     |     | dry          |
| Pasterns               | 106   | weak       |    | ■■■■ | ■     |     |     | strong       |
| Foot angle             | 111   | low angles |    | ■■■■ | ■     |     |     | steep angles |
| Fore udder length      | 115   | short      |    |      | ■■■■  |     |     | long         |
| Rear udder length      | 113   | short      |    |      | ■■■■  |     |     | long         |
| Fore udder attachment  | 112   | loose      |    |      | ■■■■  |     |     | tight        |
| Susp. ligament         | 101   | weak       |    |      | ■■■■  |     |     | strong       |
| Udder depth            | 103   | deep       |    |      | ■■■■  |     |     | high         |
| Teat length            | 114   | short      |    | ■■■■ | ■     |     |     | long         |
| Teat thickness         | 89    | thin       |    | ■■■■ | ■     |     |     | thick        |
| Teat placement (front) | 124   | wide       |    | ■■■■ | ■     |     |     | close        |
| Teat placement (rear)  | 106   | wide       |    | ■■■■ | ■     |     |     | close        |
| Teat direction (rear)  | 106   | outwards   |    | ■■■■ | ■     |     |     | inwards      |
| Udder cleanness        | 102   | add. teats |    | ■■■■ | ■     |     |     | clean udder  |

# SEHRGUT

HBNr. 10/163990  
LOM DE 09 47357352  
Born 17.11.2012

aAa 516432

Pigm.: 33 %

SERANO

SAFIR

ALICE

EMILI

WINNipeg

8/8 11.821 3,99 3,57 894

EMORA

7/7 9.792 3,85 3,54 724

RALBIT

Milk

Fitness

Udder health

A2A2



Progeny tested

Total merit index (Proof: August 2019)

gGZW 133 92%

Milk performance

MW 124 97%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1121   | -0,19 | +30    | -0,01   | +38      |

Beef performance

FW 103 98%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 109            | 98                 | 104      |

Functional traits

FIT 113 90%

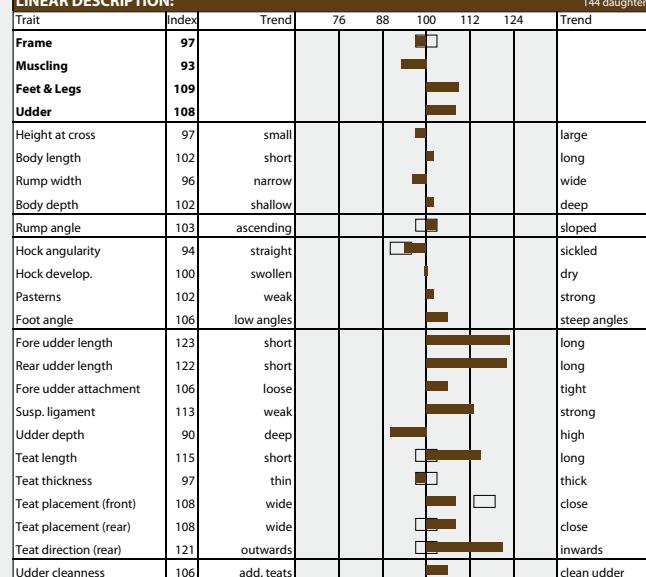
| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 103 | 123 | 105  | 112 | 115              | 93               | 97   | 116 | 98%         |



EMCO - Daughter of Sehgut

#### LINEAR DESCRIPTION:

144 daughters



# WATT

HBNr. 10/851700  
LOM DE 09 45875179  
Born 11.08.2012

aAa 531462

Pigm.: 33 %

GF: F5C

WILLEMBERG

WAL

HILLARY

KARIN

GS RAU

7/6 6.549 4,52 3,89 551

KARIN 2/2 4.325 4,13 3,58 334

Milk

Beef

Fitness

A1A2

AA

Progeny tested



Total merit index (Proof: August 2019)

gGZW 133 98%

Milk performance

MW 116 99%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +920    | -0,29 | +14    | -0,02   | +30      |

Beef performance

FW 116 99%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 118            | 110                | 110      |

Functional traits

FIT 115 98%

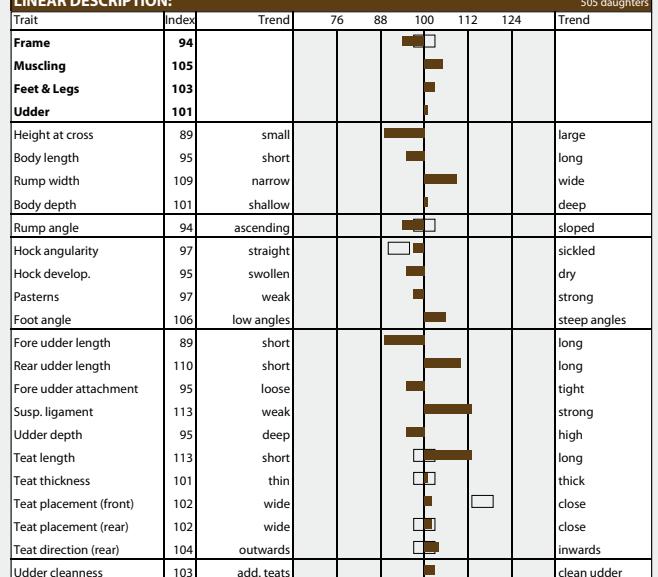
| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 97 | 114 | 113  | 115 | 105              | 108              | 107  | 99  | 99%         |



GARY - Daughter of Watt

#### LINEAR DESCRIPTION:

505 daughters



# SISYPHUS

HBNr. 10/180561  
LOM DE 06 66439378  
Born 07.01.2015

aAa 435261

Pigm.: 54 %

## SYMPORIUM



Hillary  
1/305 9.953 4,19 3,68 783

## Udder

## Components

## Calving ease



A2A2

AB

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 131** 78%

### Milk performance

**MW 120** 81%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +518    | +0,18 | +36    | +0,06   | +23     |

### Beef performance

**FW 115** 98%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 112            | 107                | 116     |

### Functional traits

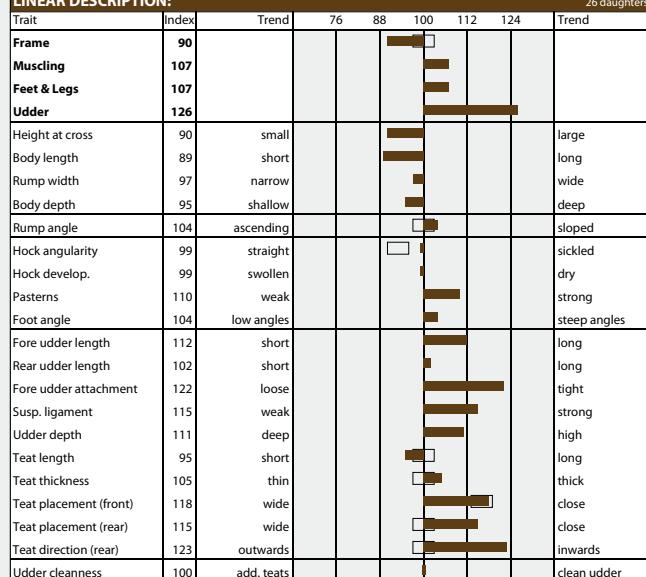
**FIT 114** 76%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 110 | 108 | 103  | 114 | 118              | 108              | 111  | 107 | 98%         |



VERONA - Daughter of Sisyphus

### LINEAR DESCRIPTION:



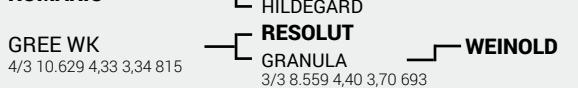
# ROYAL

HBNr. 10/164540  
LOM DE 09 46221893  
Born 28.11.2011

aAa 516432

Pigm.: 44 %

## ROMARIO



GREE WK  
4/3 10.629 4,33 3,34 815

## Dual purpose



A1A2

BB

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 130** 99%

### Milk performance

**MW 114** 99%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +808    | -0,24 | +14    | -0,04   | +25     |

### Beef performance

**FW 115** 99%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 120            | 112                | 107     |

### Functional traits

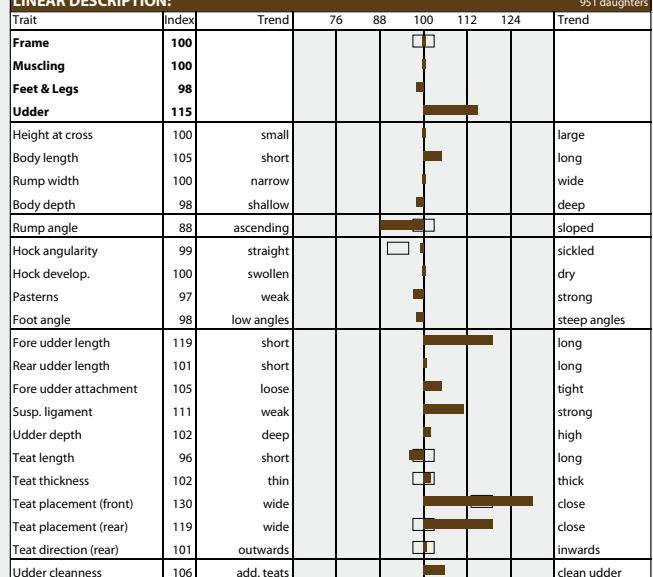
**FIT 114** 99%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 99 | 115 | 92   | 109 | 105              | 106              | 110  | 110 | 99%         |



DEATE - Daughter of Royal

### LINEAR DESCRIPTION:



# WIMPERT

HBNr. 10/180409  
LOM DE 09 48834437  
Born 10.03.2014

Pigm.: 28 %

**WITZBACH**



**MALTA**

2/2 10.205 4,53 3,70 840

**Milk**

**Udder**

**Cell count**



Progeny tested

Total merit index (Proof: August 2019)

**gGZW 129** 78%

**Milk performance**

**MW 128** 88%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1243   | -0,10 | +43    | -0,06   | +39      |

**Beef performance**

**FW 110** 84%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 119            | 111                | 98       |

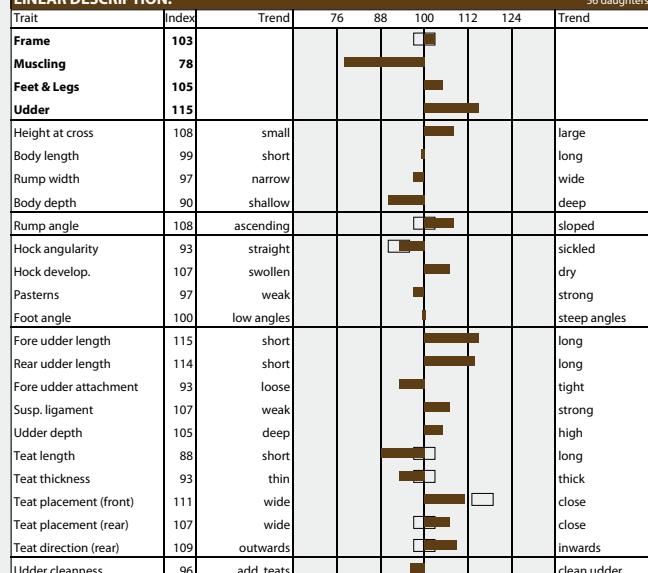
**Functional traits**

**FIT 101** 74%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 106 | 113 | 104  | 106 | 108              | 98               | 85   | 102 | 75%         |



#### LINEAR DESCRIPTION:



# VLUTLICHT

HBNr. 10/171715  
LOM DE 09 49898525  
Born 22.08.2014

Pigm.: 68 %

**ROTGLUT**



3/3 10.109 4,04 3,48 759

**Milk**

**Beef**

**Type**



A2A2

AB

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 129** 81%

**Milk performance**

**MW 123** 88%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1162   | -0,17 | +33    | -0,08   | +34      |

**Beef performance**

**FW 122** 90%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 123            | 116                | 114      |

**Functional traits**

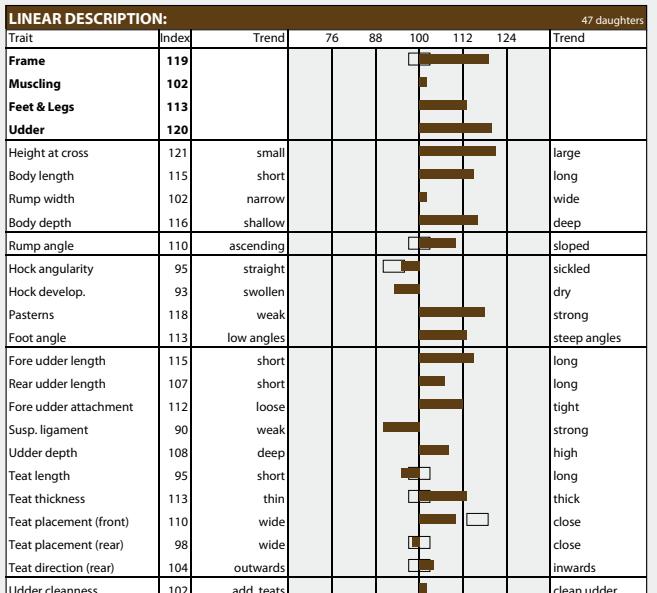
**FIT 102** 78%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 115 | 105 | 109  | 109 | 104              | 102              | 96   | 84  | 80%         |



VLORA - Daughter of Vlucht

#### LINEAR DESCRIPTION:



# WISCONA

HBNr. 10/163940  
LOM DE 09 47520987  
Born 22.07.2012

aAa 513426

Pigm.: 41 %

**WILLE**



JANA  
9/9 10.554 4,09 3,42 793

Type

Beef

Protein %



A2A2

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 129** 96%

Milk performance

**MW 112** 99%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +293    | -0,01 | +11    | +0,14   | +22     |

Beef performance

**FW 119** 98%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 117            | 114                | 114     |

Functional traits

**FIT 113** 94%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 106 | 108 | 117  | 111 | 91               | 103              | 107  | 104 | 98%         |



GILLY - Daughter of Wiscona

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112 | 124 | Trend |
|------------------------|-------|------------|----|----|-------|-----|-----|-------|
| Frame                  | 112   |            |    |    | □     | ■■■ |     |       |
| Muscling               | 111   |            |    |    | ■■■■  |     |     |       |
| Feet & Legs            | 111   |            |    |    | ■■■■  |     |     |       |
| Udder                  | 119   |            |    |    | ■■■■■ |     |     |       |
| Height at cross        | 112   | small      |    |    |       |     |     |       |
| Body length            | 116   | short      |    |    |       |     |     |       |
| Rump width             | 112   | narrow     |    |    | ■■■   |     |     |       |
| Body depth             | 106   | shallow    |    |    | ■■    |     |     |       |
| Rump angle             | 94    | ascending  |    |    | ■     | □   |     |       |
| Hock angularity        | 100   | straight   |    |    | □     |     |     |       |
| Hock develop.          | 100   | swollen    |    |    | ■     |     |     |       |
| Pasterns               | 106   | weak       |    |    | ■     |     |     |       |
| Foot angle             | 115   | low angles |    |    | ■■■   |     |     |       |
| Fore udder length      | 92    | short      |    |    | ■     |     |     |       |
| Rear udder length      | 100   | short      |    |    | ■     |     |     |       |
| Fore udder attachment  | 109   | loose      |    |    | ■■    |     |     |       |
| Susp. ligament         | 105   | weak       |    |    | ■     |     |     |       |
| Udder depth            | 116   | deep       |    |    | ■■■   |     |     |       |
| Teat length            | 93    | short      |    |    | ■     |     |     |       |
| Teat thickness         | 99    | thin       |    |    | □     |     |     |       |
| Teat placement (front) | 104   | wide       |    |    | ■     |     |     |       |
| Teat placement (rear)  | 102   | wide       |    |    | ■     |     |     |       |
| Teat direction (rear)  | 110   | outwards   |    |    | ■■■   |     |     |       |
| Udder cleanness        | 106   | add. teats |    |    | ■     |     |     |       |

# ORKA

HBNr. 10/856350  
LOM DE 09 49038738  
Born 25.11.2013

aAa 561342

Pigm.: 62 %

**OBI**



PIWA  
5/5 11.349 4,03 3,42 846

**HUASCARAN**



PIA  
7/6 9.613 4,31 3,51 752

Milk

Type

Components

A1A1

AA

Progeny tested



Total merit index (Proof: August 2019)

**gGZW 128** 90%

Milk performance

**MW 123** 97%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +693    | +0,16 | +42    | +0,04   | +27     |

Beef performance

**FW 102** 95%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 98             | 106                | 100     |

Functional traits

**FIT 107** 86%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 110 | 104 | 109  | 111 | 110              | 109              | 98   | 102 | 93%         |



ORFELIA - Daughter of Orka

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112   | 124 | Trend |
|------------------------|-------|------------|----|----|-------|-------|-----|-------|
| Frame                  | 105   |            |    |    | □     |       |     |       |
| Muscling               | 103   |            |    |    | ■     |       |     |       |
| Feet & Legs            | 114   |            |    |    | ■■■■  |       |     |       |
| Udder                  | 112   |            |    |    | ■■■■■ |       |     |       |
| Height at cross        | 104   | small      |    |    |       |       |     |       |
| Body length            | 102   | short      |    |    |       |       |     |       |
| Rump width             | 108   | narrow     |    |    | ■■■   |       |     |       |
| Body depth             | 109   | shallow    |    |    | ■■■   |       |     |       |
| Rump angle             | 109   | ascending  |    |    | □     | ■■■   |     |       |
| Hock angularity        | 89    | straight   |    |    | ■■■   |       |     |       |
| Hock develop.          | 95    | swollen    |    |    | ■■■   |       |     |       |
| Pasterns               | 117   | weak       |    |    | ■■■■■ |       |     |       |
| Foot angle             | 110   | low angles |    |    | ■■■■■ |       |     |       |
| Fore udder length      | 101   | short      |    |    |       |       |     |       |
| Rear udder length      | 104   | short      |    |    |       |       |     |       |
| Fore udder attachment  | 115   | loose      |    |    |       |       |     |       |
| Susp. ligament         | 94    | weak       |    |    |       |       |     |       |
| Udder depth            | 101   | deep       |    |    | ■■■■■ |       |     |       |
| Teat length            | 102   | short      |    |    | □     | ■■■■■ |     |       |
| Teat thickness         | 100   | thin       |    |    | □     | ■■■■■ |     |       |
| Teat placement (front) | 105   | wide       |    |    | ■■■■■ |       |     |       |
| Teat placement (rear)  | 98    | wide       |    |    | ■■■■■ |       |     |       |
| Teat direction (rear)  | 99    | outwards   |    |    | ■■■■■ |       |     |       |
| Udder cleanness        | 101   | add. teats |    |    | ■■■■■ |       |     |       |

# VEUMAUS

HBNr. 10/171400  
LOM DE 09 47665374  
Born 10.03.2013

Pigm.: 27 %

GF: F5C

## REUMUT



MAUSI

5/4 11.222 4,51 3,74 926

Milk

Udder

Components



A1A2

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 127** 93%

### Milk performance

**MW 124** 98%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +777    | +0,12 | +42    | +0,02   | +29      |

### Beef performance

**FW 109** 98%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 106            | 106                | 108      |

### Functional traits

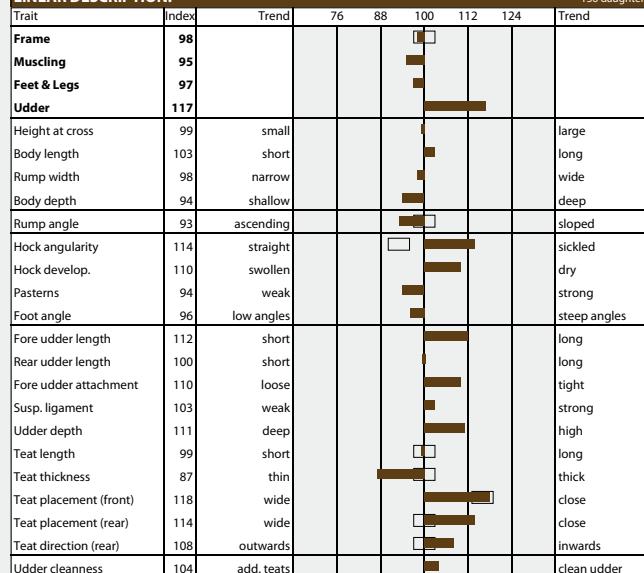
**FIT 103** 91%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 96 | 102 | 108  | 106 | 103              | 104              | 96   | 103 | 93%         |



### LINEAR DESCRIPTION:

136 daughters



# VERMEER

HBNr. 10/856370  
LOM DE 09 48883363  
Born 22.11.2013

aAa 423651

Pigm.: 19 %

GF: F5C

## REUMUT



ROSALYN  
3/2 8.664 4,02 3,68 667

RAUFBOLD

FIONA

SANDDORN

ROSITA

HADES

Udder

Milking speed

Components



A1A2

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 126** 93%

### Milk performance

**MW 129** 99%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +795    | +0,13 | +44    | +0,15   | +41      |

### Beef performance

**FW 98** 96%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 99             | 99                 | 97       |

### Functional traits

**FIT 101** 89%

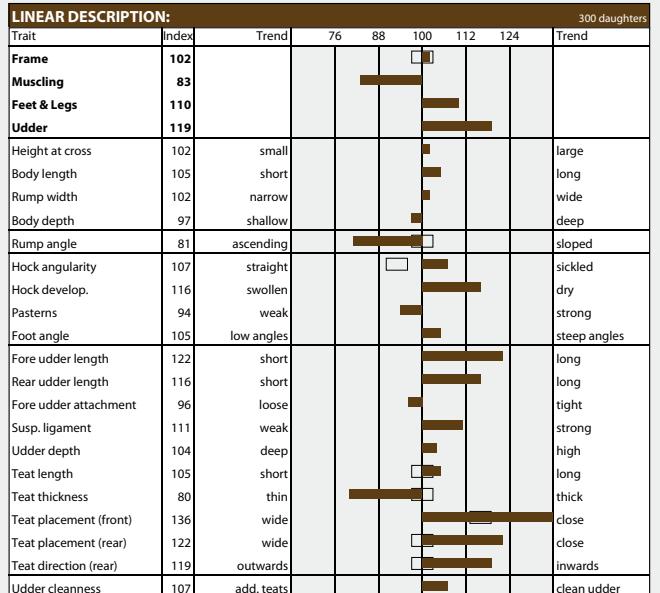
| MS  | SCC | Pers | PL | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|----|------------------|------------------|------|-----|-------------|
| 111 | 99  | 103  | 96 | 106              | 98               | 104  | 107 | 98%         |



ROJANA - Daughter of Vermeer

### LINEAR DESCRIPTION:

300 daughters



# MAGIER

HBNr. 10/856710  
LOM DE 08 15784871  
Born 14.10.2014

aAa 453621

Pigm.: 43 %

**MANIGO**

— MANDELA  
— NITTI

**LIANE**

— GS RAU  
— LIESEL

**HUMLANG**

5/5 9.310 4,11 3,65 723

**Udder**

**Fitness**

**Udder health**



A1A2  
AA  
Progeny tested

Total merit index (Proof: August 2019)

**gGZW 126** 77%

**Milk performance**

**MW 111** 81%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +490    | -0,12 | +10    | +0,03   | +20     |

**Beef performance**

**FW 109** 88%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 114            | 101                | 108     |

**Functional traits**

**FIT 121** 77%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 95 | 120 | 104  | 119 | 106              | 112              | 108  | 105 | 92%         |



LDO - Full sister to Magier

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 107   |            |    |    | □   | █   |     |              |
| Muscling               | 105   |            |    |    | █   |     |     |              |
| Feet & Legs            | 115   |            |    |    | █   |     |     |              |
| Udder                  | 135   |            |    |    | █   | █   | █   |              |
| Height at cross        | 106   | small      |    |    | █   |     |     | large        |
| Body length            | 107   | short      |    |    | █   |     |     | long         |
| Rump width             | 106   | narrow     |    |    | █   |     |     | wide         |
| Body depth             | 109   | shallow    |    |    | █   |     |     | deep         |
| Rump angle             | 111   | ascending  |    |    | □   | █   |     | sloped       |
| Hock angularity        | 97    | straight   |    |    | □   | █   |     | sickled      |
| Hock develop.          | 118   | swollen    |    |    | █   | █   |     | dry          |
| Pasterns               | 108   | weak       |    |    | █   |     |     | strong       |
| Foot angle             | 103   | low angles |    |    | █   |     |     | steep angles |
| Fore udder length      | 116   | short      |    |    | █   |     |     | long         |
| Rear udder length      | 115   | short      |    |    | █   |     |     | long         |
| Fore udder attachment  | 114   | loose      |    |    | █   |     |     | tight        |
| Susp. ligament         | 105   | weak       |    |    | █   |     |     | strong       |
| Udder depth            | 119   | deep       |    |    | █   |     |     | high         |
| Teat length            | 89    | short      |    |    | █   |     |     | long         |
| Teat thickness         | 85    | thin       |    |    | █   |     |     | thick        |
| Teat placement (front) | 128   | wide       |    |    | █   | █   |     | close        |
| Teat placement (rear)  | 127   | wide       |    |    | █   | █   |     | close        |
| Teat direction (rear)  | 129   | outwards   |    |    | █   | █   |     | inwards      |
| Udder cleanness        | 105   | add. teats |    |    | █   |     |     | clean udder  |

# HICKS

HBNr. 10/859220  
LOM DE 09 49735867  
Born 30.10.2014

aAa 342561

Pigm.: 55 %

GF: F2C

**HURRICAN**

— HULKOR  
— WARIA

**ASTERIX**

— WILLE  
— ANDORA

— GS RAU

1/1 11.878 4,07 3,61 912

**Milk**

**Persistence**

**Udder health**



A1A2  
AA  
Progeny tested

Total merit index (Proof: August 2019)

**gGZW 125** 76%

**Milk performance**

**MW 126** 83%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +1032   | -0,06 | +38    | -0,01   | +36     |

**Beef performance**

**FW 97** 83%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 102            | 92                 | 100     |

**Functional traits**

**FIT 109** 76%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 96 | 122 | 117  | 106 | 100              | 97               | 97   | 101 | 76%         |



MARONE - Daughter of Hicks

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 114   |            |    |    | □   | █   |     |              |
| Muscling               | 114   |            |    |    | █   |     |     |              |
| Feet & Legs            | 100   |            |    |    | █   |     |     |              |
| Udder                  | 112   |            |    |    | █   | █   | █   |              |
| Height at cross        | 111   | small      |    |    | █   |     |     | large        |
| Body length            | 110   | short      |    |    | █   |     |     | long         |
| Rump width             | 113   | narrow     |    |    | █   |     |     | wide         |
| Body depth             | 121   | shallow    |    |    | █   |     |     | deep         |
| Rump angle             | 105   | ascending  |    |    | □   | █   |     | sloped       |
| Hock angularity        | 89    | straight   |    |    | █   | █   |     | sickled      |
| Hock develop.          | 88    | swollen    |    |    | █   | █   |     | dry          |
| Pasterns               | 98    | weak       |    |    | █   |     |     | strong       |
| Foot angle             | 110   | low angles |    |    | █   | █   |     | steep angles |
| Fore udder length      | 106   | short      |    |    | █   |     |     | long         |
| Rear udder length      | 105   | short      |    |    | █   |     |     | long         |
| Fore udder attachment  | 100   | loose      |    |    | █   |     |     | tight        |
| Susp. ligament         | 116   | weak       |    |    | █   |     |     | strong       |
| Udder depth            | 100   | deep       |    |    | █   |     |     | high         |
| Teat length            | 97    | short      |    |    | █   |     |     | long         |
| Teat thickness         | 102   | thin       |    |    | █   |     |     | thick        |
| Teat placement (front) | 116   | wide       |    |    | █   | █   |     | close        |
| Teat placement (rear)  | 112   | wide       |    |    | █   | █   |     | close        |
| Teat direction (rear)  | 103   | outwards   |    |    | █   | █   |     | inwards      |
| Udder cleanness        | 101   | add. teats |    |    | █   |     |     | clean udder  |

# WARRIOR

HBNr. 10/171350  
LOM DE 09 47938521  
Born 04.12.2012

aAa 453621

Pigm.: 32 %

**WARBERG**

**ZORRO**

5/5 11.205 4,38 3,46 879

WARAN

ELITE

**WALROM**

ZORA

3/3 8.437 4,21 3,43 645

**HOSTRESS**

Dual purpose

Feet & Legs

Calving ease



A2A2

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 125** 92%

Milk performance

**MW 118** 98%

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

|      |       |     |       |     |
|------|-------|-----|-------|-----|
| +580 | ±0,00 | +24 | +0,08 | +27 |
|------|-------|-----|-------|-----|

Beef performance

**FW 112** 98%

|                |                    |          |
|----------------|--------------------|----------|
| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|

|     |     |     |
|-----|-----|-----|
| 112 | 109 | 107 |
|-----|-----|-----|

Functional traits

**FIT 104** 89%

|    |     |      |    |                  |     |      |     |             |
|----|-----|------|----|------------------|-----|------|-----|-------------|
| MS | SCC | Pers | PL | Calving ease pat | mat | Fert | VIT | Reliability |
|----|-----|------|----|------------------|-----|------|-----|-------------|

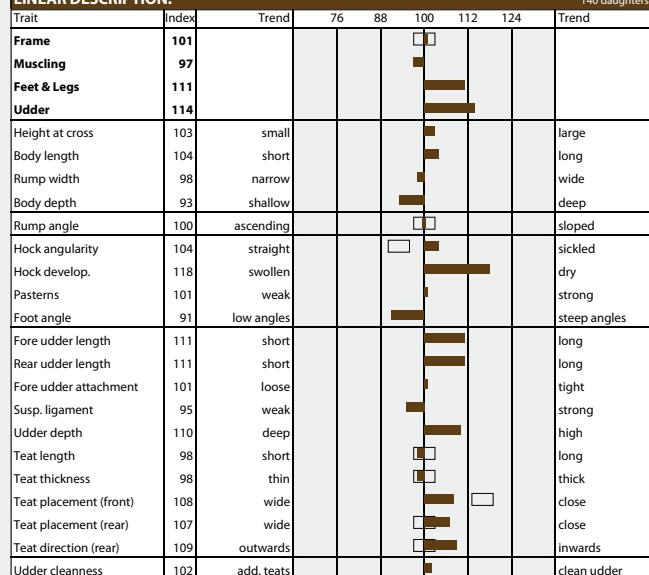
|     |     |     |     |     |     |    |     |     |
|-----|-----|-----|-----|-----|-----|----|-----|-----|
| 108 | 102 | 105 | 102 | 114 | 107 | 96 | 116 | 95% |
|-----|-----|-----|-----|-----|-----|----|-----|-----|



RELEX - Daughter of Warrior

#### LINEAR DESCRIPTION:

140 daughters



# MOGUL

HBNr. 10/171266  
LOM DE 09 47679302  
Born 17.10.2012

aAa 543126

Pigm.: 36 %

**MANIGO**

MANDELA

NITTI

**NICHTE**

VANSTEIN

7/7 9.179 4,27 3,42 706

545

2/2 7.078 3,86 3,44 517

Type

Beef

Components



A2A2

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 125** 84%

Milk performance

**MW 113** 90%

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

|      |       |     |       |     |
|------|-------|-----|-------|-----|
| +254 | +0,11 | +19 | +0,13 | +19 |
|------|-------|-----|-------|-----|

Beef performance

**FW 115** 84%

|                |                    |          |
|----------------|--------------------|----------|
| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|

|     |     |     |
|-----|-----|-----|
| 114 | 110 | 111 |
|-----|-----|-----|

Functional traits

**FIT 112** 83%

|    |     |      |    |                  |     |      |     |             |
|----|-----|------|----|------------------|-----|------|-----|-------------|
| MS | SCC | Pers | PL | Calving ease pat | mat | Fert | VIT | Reliability |
|----|-----|------|----|------------------|-----|------|-----|-------------|

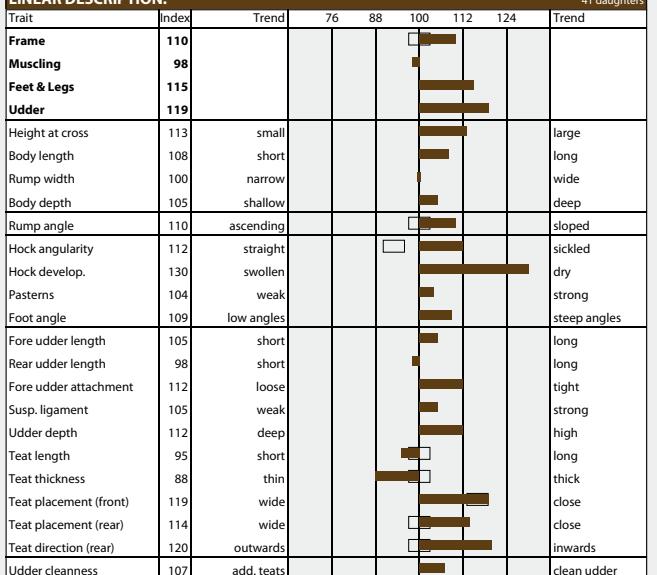
|    |     |    |     |     |     |     |     |     |
|----|-----|----|-----|-----|-----|-----|-----|-----|
| 92 | 114 | 97 | 108 | 103 | 117 | 106 | 105 | 98% |
|----|-----|----|-----|-----|-----|-----|-----|-----|



HALLY - Daughter of Mogul

#### LINEAR DESCRIPTION:

41 daughters



# WALDLER

HBNr. 10/170790  
LOM DE 09 45035385  
Born 13.08.2010

aAa 564132

Pigm.: 40 %

**WAL**



3/2 8.215 4,58 3,91 698

Muscling

Dual purpose

Fitness



A2A2  
BB  
Progeny tested

Total merit index (Proof: August 2019)

**gGZW 125** 94%

Milk performance

**MW 106** 98%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +698    | -0,33 | +2     | -0,14   | +13      |

Beef performance

**FW 105** 99%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 107            | 93                 | 113      |

Functional traits

**FIT 123** 92%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 108 | 108 | 130  | 127 | 101              | 101              | 112  | 106 | 99%         |



PANDA - Daughter of Waldler

#### LINEAR DESCRIPTION:

| Trait                  | Index      | Trend      | 76 | 88 | 100 | 112 | 124 | Trend |              |
|------------------------|------------|------------|----|----|-----|-----|-----|-------|--------------|
| Frame                  | 101        |            |    |    | □   |     |     |       |              |
| <b>Muscling</b>        | <b>125</b> |            |    |    |     | █   |     |       |              |
| <b>Feet &amp; Legs</b> | <b>109</b> |            |    |    | █   |     |     |       |              |
| Udder                  | 105        |            |    |    | █   |     |     |       |              |
| Height at cross        | 99         | small      |    |    |     |     |     |       | large        |
| Body length            | 99         | short      |    |    |     |     |     |       | long         |
| Rump width             | 103        | narrow     |    |    | █   |     |     |       | wide         |
| Body depth             | 111        | shallow    |    |    | █   |     |     |       | deep         |
| Rump angle             | 113        | ascending  |    |    | █   |     |     |       | sloped       |
| Hock angularity        | 76         | straight   |    |    | █   |     |     |       | sickled      |
| Hock develop.          | 93         | swollen    |    |    | █   |     |     |       | dry          |
| Pasterns               | 106        | weak       |    |    | █   |     |     |       | strong       |
| Foot angle             | 114        | low angles |    |    | █   |     |     |       | steep angles |
| Fore udder length      | 110        | short      |    |    |     | █   |     |       | long         |
| Rear udder length      | 106        | short      |    |    |     | █   |     |       | long         |
| Fore udder attachment  | 115        | loose      |    |    | █   |     |     |       | tight        |
| Susp. ligament         | 88         | weak       |    |    | █   |     |     |       | strong       |
| Udder depth            | 99         | deep       |    |    | █   |     |     |       | high         |
| Teat length            | 94         | short      |    |    | █   |     |     |       | long         |
| Teat thickness         | 102        | thin       |    |    | █   |     |     |       | thick        |
| Teat placement (front) | 92         | wide       |    |    | █   |     |     |       | close        |
| Teat placement (rear)  | 92         | wide       |    |    | █   |     |     |       | close        |
| Teat direction (rear)  | 100        | outwards   |    |    | █   |     |     |       | inwards      |
| Udder cleanliness      | 103        | add. teats |    |    | █   |     |     |       | clean udder  |

# MONTELINO

HBNr. 10/859100  
LOM DE 09 49735810  
Born 30.04.2014

aAa 423651

Pigm.: 36 %

**MANTON**



4/4 14.027 3,84 3,60 1043

**MANITOBA**

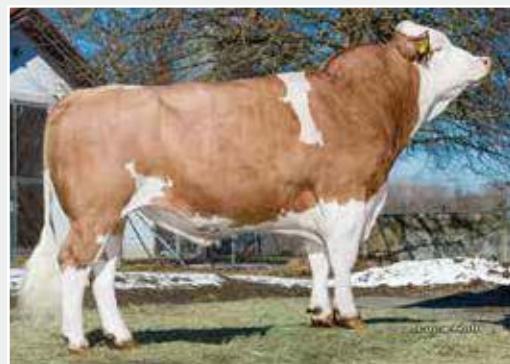


5/5 10.666 4,52 3,73 880

Milk

Beef

Persistence



A1A2

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 124** 86%

Milk performance

**MW 125** 94%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1373   | -0,34 | +27    | -0,06   | +43      |

Beef performance

**FW 106** 94%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 98             | 110                | 103      |

Functional traits

**FIT 99** 82%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 101 | 96  | 104  | 103 | 105              | 105              | 91   | 104 | 90%         |



MONTANA - Daughter of Montelino

#### LINEAR DESCRIPTION:

| Trait                  | Index     | Trend      | 76 | 88 | 100 | 112 | 124 | Trend |              |
|------------------------|-----------|------------|----|----|-----|-----|-----|-------|--------------|
| Frame                  | 97        |            |    |    | █   |     |     |       |              |
| <b>Muscling</b>        | <b>96</b> |            |    |    |     | █   |     |       | large        |
| <b>Feet &amp; Legs</b> | <b>93</b> |            |    |    | █   |     |     |       | long         |
| Udder                  | 104       |            |    |    | █   |     |     |       | wide         |
| Height at cross        | 98        | small      |    |    |     |     |     |       | deep         |
| Body length            | 95        | short      |    |    |     |     |     |       | sloped       |
| Rump width             | 94        | narrow     |    |    | █   |     |     |       |              |
| Body depth             | 100       | shallow    |    |    |     | █   |     |       |              |
| Rump angle             | 99        | ascending  |    |    | █   |     |     |       |              |
| Hock angularity        | 104       | straight   |    |    | █   |     |     |       | sickled      |
| Hock develop.          | 90        | swollen    |    |    | █   |     |     |       | dry          |
| Pasterns               | 103       | weak       |    |    | █   |     |     |       | strong       |
| Foot angle             | 109       | low angles |    |    | █   |     |     |       | steep angles |
| Fore udder length      | 109       | short      |    |    |     | █   |     |       | long         |
| Rear udder length      | 106       | short      |    |    |     | █   |     |       | long         |
| Fore udder attachment  | 98        | loose      |    |    | █   |     |     |       | tight        |
| Susp. ligament         | 108       | weak       |    |    | █   |     |     |       | strong       |
| Udder depth            | 97        | deep       |    |    | █   |     |     |       | high         |
| Teat length            | 103       | short      |    |    | █   |     |     |       | long         |
| Teat thickness         | 105       | thin       |    |    | █   |     |     |       | thick        |
| Teat placement (front) | 104       | wide       |    |    | █   |     |     |       | close        |
| Teat placement (rear)  | 95        | wide       |    |    | █   |     |     |       | close        |
| Teat direction (rear)  | 96        | outwards   |    |    | █   |     |     |       | inwards      |
| Udder cleanliness      | 103       | add. teats |    |    | █   |     |     |       | clean udder  |



# HOTROCKET

HBNr. 10/426990  
LOM DE 09 48422548  
Born 30.10.2013

Pigm.: 40 %



Milk

Beef

Calving ease



AA

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 124** 94%

Milk performance

**MW 122** 99%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +833    | +0,03 | +37    | -0,02   | +27      |

Beef performance

**FW 111** 95%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 116            | 103                | 110      |

Functional traits

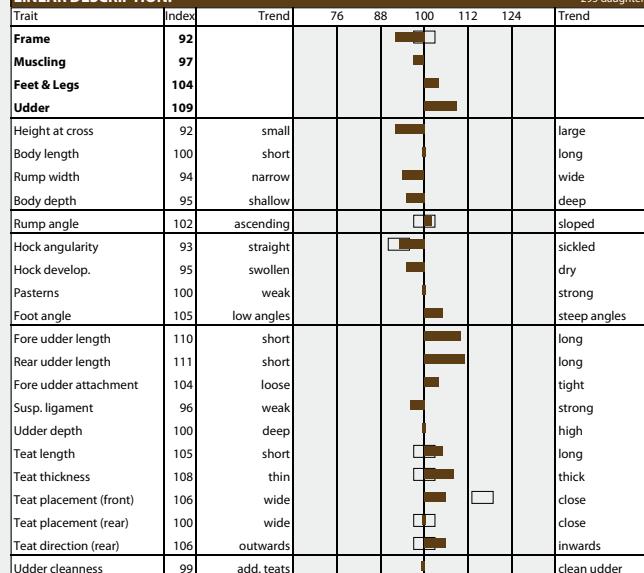
**FIT 100** 91%

| MS  | SCC | Pers | PL | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|----|------------------|------------------|------|-----|-------------|
| 103 | 92  | 112  | 93 | 111              | 103              | 103  | 112 | 98%         |



#### LINEAR DESCRIPTION:

295 daughters



# ZOOM

aAa 423651

Pigm.: 66 %

**GS ZOCKER**

— ZAHNER

— REBE

**ATHEN**

— GS RAU

3/2 9.067 3,69 3,62 663

ATHEN

HBNr. 10/193510  
LOM DE 09 49233861  
Born 30.09.2013

Milk

Udder

Milking speed



A2A2

BB

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 124** 84%

Milk performance

**MW 116** 92%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +716    | -0,16 | +16    | +0,02   | +27      |

Beef performance

**FW 107** 91%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 114            | 104                | 101      |

Functional traits

**FIT 110** 81%

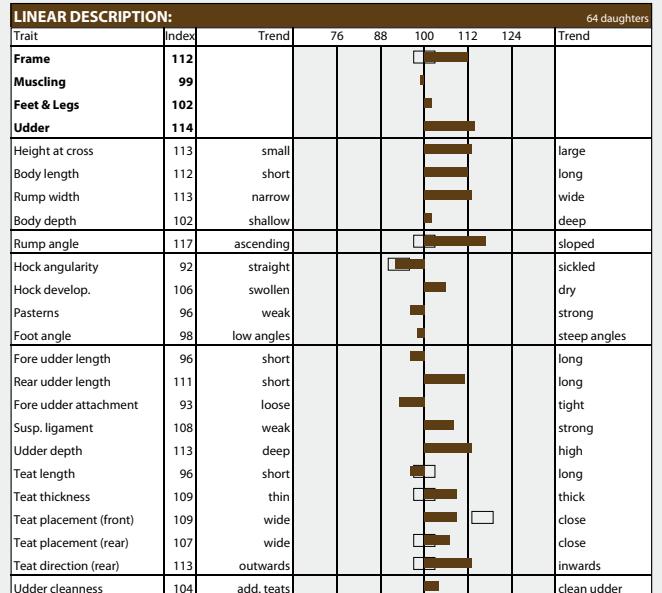
| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 112 | 111 | 88   | 107 | 98               | 102              | 104  | 116 | 77%         |



RUBINE - Daughter of Zoom

#### LINEAR DESCRIPTION:

64 daughters



# ZOMBIE

HBNr. 10/180175  
LOM DE 09 47547349  
Born 28.09.2012

aAa 513462

Pigm.: 29 %

**ZAUBER**

ZAHNER

GRACIA

**GS RUMGO**

OLGA

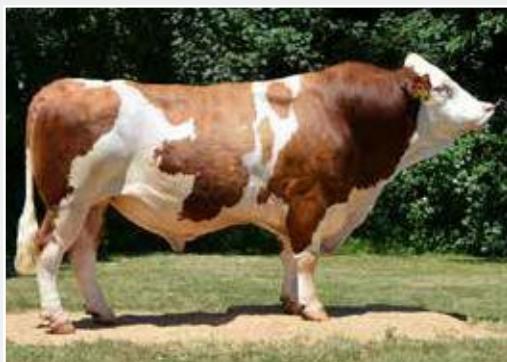
RADAU

OZON  
6/6 10.567 4,27 3,65 837

Feet & Legs

Udder

Fitness



A2A2

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 124**

93%

Milk performance

**MW 109**

98%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +526    | -0,03 | +19    | -0,13   | +8      |

Beef performance

**FW 111**

96%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 113            | 109                | 105     |

Functional traits

**FIT 114**

91%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 113 | 99  | 110  | 111 | 117              | 107              | 114  | 110 | 97%         |



MEZZOMIX - Daughter of Zombie

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100  | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|------|-----|-----|--------------|
| Frame                  | 96    |            |    |    | ■    |     |     |              |
| Muscling               | 98    |            |    |    | ■    |     |     |              |
| Feet & Legs            | 115   |            |    |    | ■■■  |     |     |              |
| Udder                  | 118   |            |    |    | ■■■■ |     |     |              |
| Height at cross        | 95    | small      |    |    | ■    |     |     | large        |
| Body length            | 97    | short      |    |    | ■    |     |     | long         |
| Rump width             | 98    | narrow     |    |    | ■    |     |     | wide         |
| Body depth             | 98    | shallow    |    |    | ■    |     |     | deep         |
| Rump angle             | 100   | ascending  |    | □  | □    |     |     | sloped       |
| Hock angularity        | 98    | straight   |    | □  | ■    |     |     | sickled      |
| Hock develop.          | 113   | swollen    |    |    | ■■■  |     |     | dry          |
| Pasterns               | 100   | weak       |    |    | ■    |     |     | strong       |
| Foot angle             | 100   | low angles |    |    | ■    |     |     | steep angles |
| Fore udder length      | 101   | short      |    |    |      |     |     | long         |
| Rear udder length      | 106   | short      |    |    | ■    |     |     | long         |
| Fore udder attachment  | 114   | loose      |    |    | ■■■  |     |     | tight        |
| Susp. ligament         | 110   | weak       |    |    | ■■   |     |     | strong       |
| Udder depth            | 109   | deep       |    |    | ■■   |     |     | high         |
| Teat length            | 107   | short      |    | □  | ■    |     |     | long         |
| Teat thickness         | 102   | thin       |    | □  | ■    |     |     | thick        |
| Teat placement (front) | 115   | wide       |    |    | ■■■  |     |     | close        |
| Teat placement (rear)  | 115   | wide       |    | □  | ■■   |     |     | close        |
| Teat direction (rear)  | 110   | outwards   |    |    | ■■   |     |     | inwards      |
| Udder cleanness        | 103   | add. teats |    |    | ■    |     |     | clean udder  |

# WOMBA

HBNr. 10/186778  
LOM DE 09 48763199  
Born 02.06.2014

aAa 435261

Pigm.: 22 %

**GS WOHLTAT**

WILLE

ZARINA

SINDI

SAMBA

4/3 8.075 4,51 3,77 669

SISSI

8/7 10.016 4,06 3,40 748

PEPSI

Beef

Fitness

Components



A1A2

AB

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 123**

85%

Milk performance

**MW 116**

94%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +333    | +0,17 | +27    | +0,12   | +21     |

Beef performance

**FW 110**

88%

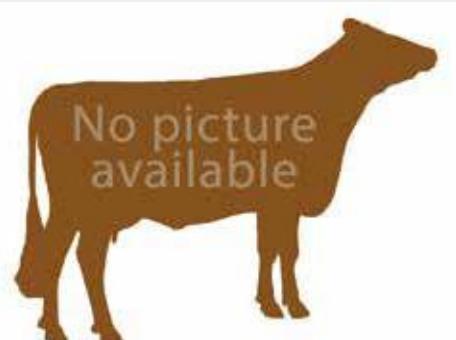
| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 101            | 106                | 113     |

Functional traits

**FIT 109**

81%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 100 | 103 | 98   | 112 | 102              | 102              | 106  | 105 | 92%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100  | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|------|-----|-----|--------------|
| Frame                  | 92    |            |    |    | ■    |     |     |              |
| Muscling               | 100   |            |    |    | ■    |     |     |              |
| Feet & Legs            | 101   |            |    |    | ■■■  |     |     |              |
| Udder                  | 106   |            |    |    | ■■■■ |     |     |              |
| Height at cross        | 94    | small      |    |    | ■    |     |     | large        |
| Body length            | 93    | short      |    |    | ■    |     |     | long         |
| Rump width             | 85    | narrow     |    |    | ■■■  |     |     | wide         |
| Body depth             | 98    | shallow    |    |    | ■    |     |     | deep         |
| Rump angle             | 106   | ascending  |    | □  | ■    |     |     | sloped       |
| Hock angularity        | 110   | straight   |    | □  | ■■■  |     |     | sickled      |
| Hock develop.          | 99    | swollen    |    |    | ■■■■ |     |     | dry          |
| Pasterns               | 99    | weak       |    |    | ■    |     |     | strong       |
| Foot angle             | 104   | low angles |    |    | ■    |     |     | steep angles |
| Fore udder length      | 98    | short      |    |    | ■    |     |     | long         |
| Rear udder length      | 112   | short      |    |    | ■■■■ |     |     | long         |
| Fore udder attachment  | 94    | loose      |    |    | ■■■■ |     |     | tight        |
| Susp. ligament         | 102   | weak       |    |    | ■■■■ |     |     | strong       |
| Udder depth            | 99    | deep       |    |    | ■■■■ |     |     | high         |
| Teat length            | 92    | short      |    | □  | ■■■■ |     |     | long         |
| Teat thickness         | 91    | thin       |    | □  | ■■■■ |     |     | thick        |
| Teat placement (front) | 106   | wide       |    | □  | ■■■■ |     |     | close        |
| Teat placement (rear)  | 104   | wide       |    | □  | ■■■■ |     |     | close        |
| Teat direction (rear)  | 96    | outwards   |    | □  | ■■■■ |     |     | inwards      |
| Udder cleanness        | 101   | add. teats |    | ■  |      |     |     | clean udder  |



Pigm.: 45 %



Milk

Type

Longevity



AA  
Progeny tested

Total merit index (Proof: August 2019)

**gGZW 122** 91%

**Milk performance**

**MW 120** 98%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1069   | -0,19 | +28    | -0,10   | +29      |

**Beef performance**

**FW 100** 95%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 101            | 98                 | 102      |

**Functional traits**

**FIT 107** 88%

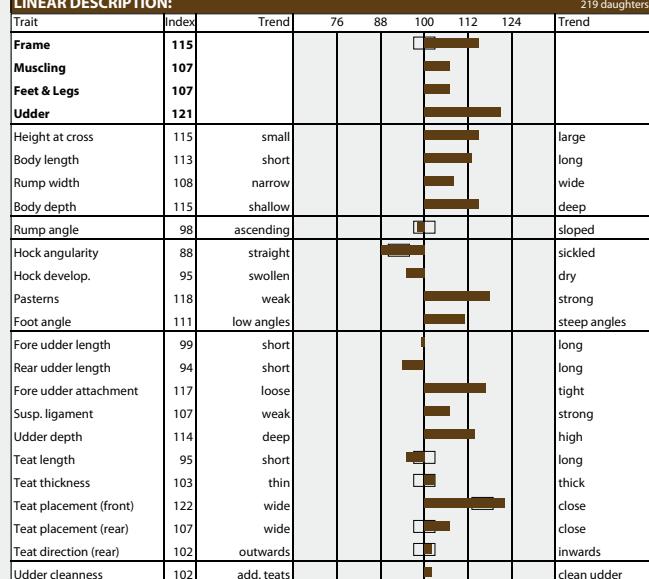
| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 97 | 101 | 125  | 111 | 102              | 97               | 101  | 91  | 96%         |



LAURINDA - Daughter of Isimo

**LINEAR DESCRIPTION:**

219 daughters



Pigm.: 33 %



Frame

Udder health

Milk



A1A1

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 122** 76%

**Milk performance**

**MW 116** 82%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +579    | +0,06 | +29    | -0,05   | +17      |

**Beef performance**

**FW 108** 86%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 119            | 102                | 104      |

**Functional traits**

**FIT 108** 75%

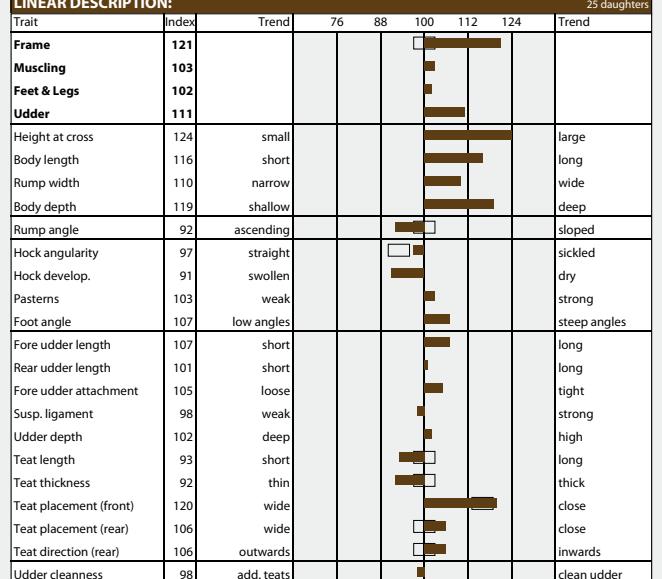
| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 98 | 117 | 108  | 108 | 89               | 114              | 98   | 93  | 74%         |



LANA - Daughter of Vivat

**LINEAR DESCRIPTION:**

25 daughters



# PASCHA

HBNr. 10/173069  
LOM DE 09 48468268  
Born 14.08.2013

Pigm.: 32 % GF: B2C

**PASSION** — PLANNER  
BANANE  
**BELUSI** — **IMPOSUM** — **MADIG**  
4/4 8.923 5,14 3,91 808  
4/4 6.457 4,84 3,65 548

## Components

## Type

## Fitness



A2A2

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 122** 83%

### Milk performance

**MW 113** 91%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +159    | +0,24 | +25    | +0,11   | +14      |

### Beef performance

**FW 105** 87%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 108            | 102                | 103      |

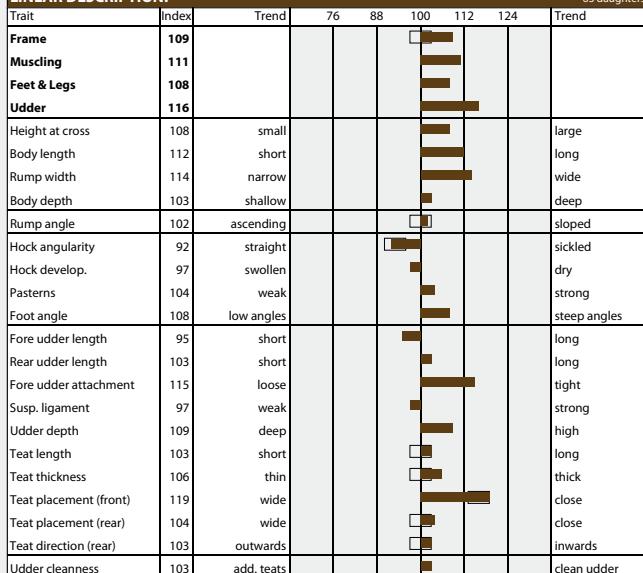
### Functional traits

**FIT 112** 80%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 108 | 101 | 105  | 113 | 109              | 106              | 110  | 106 | 89%         |



#### LINEAR DESCRIPTION:



# MILLENIUM

HBNr. 10/856680  
LOM DE 09 50304376  
Born 26.10.2014

Pigm.: 53 %

**MANTON** — **MANITOBA**  
BILLI  
**LOXLAY** — **POLARBAER** — **IMPOSUM**  
3/3 10.863 4,25 3,85 880  
6/6 8.980 4,66 3,83 762

## Feet & Legs

## Udder

## Calving ease



A1A1

AA

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 120** 76%

### Milk performance

**MW 120** 81%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +609    | +0,02 | +27    | +0,09   | +29      |

### Beef performance

**FW 96** 88%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 93             | 96                 | 100      |

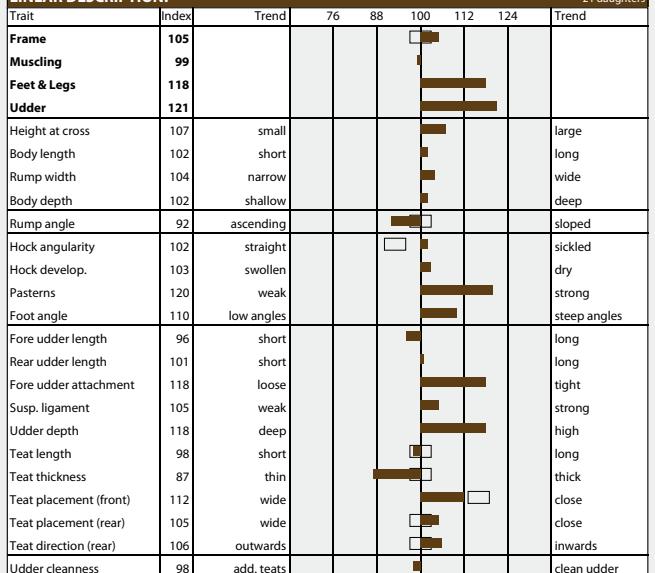
### Functional traits

**FIT 108** 76%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 105 | 94  | 97   | 108 | 114              | 109              | 109  | 109 | 76%         |



#### LINEAR DESCRIPTION:



# SYNERGIE

HBNr. 10/852294  
LOM DE 09 49845407  
Born 10.08.2014

Pigm.: 13 %

**SALDANA**



**CILLI**

4/4 10.117 4,04 3,79 792

**Udder**

**Milk**

**Beef**



BB  
Progeny tested

Total merit index (Proof: August 2019)

**gGZW 119** 77%

**Milk performance**

**MW 121** 84%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +920    | -0,14 | +27    | +0,01   | +33      |

**Beef performance**

**FW 108** 89%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 110            | 103                | 106      |

**Functional traits**

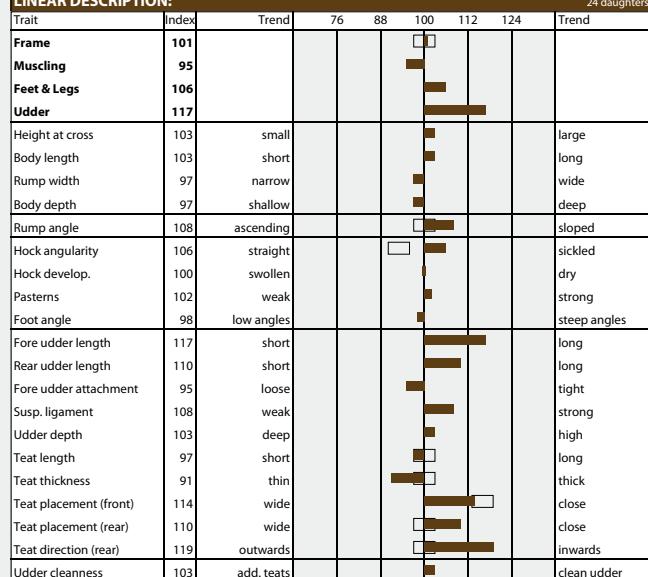
**FIT 95** 74%

| MS  | SCC | Pers | PL | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|----|------------------|------------------|------|-----|-------------|
| 109 | 93  | 102  | 99 | 106              | 107              | 86   | 107 | 75%         |



KESCHA - Daughter of Synergie

#### LINEAR DESCRIPTION:



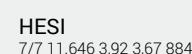
# IN AISCH

HBNr. 10/199830  
LOM DE 09 48891018  
Born 24.07.2013

aAa 462513

Pigm.: 55 %

**INDOSSAR**



7/7 11.646 3,92 3,67 884

8/8 11.272 3,93 3,60 849

**Udder**

**Fitness**

**Longevity**



A1A2

AB

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 119** 81%

**Milk performance**

**MW 109** 89%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +571    | -0,27 | +2     | +0,01   | +21      |

**Beef performance**

**FW 98** 88%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 103            | 98                 | 97       |

**Functional traits**

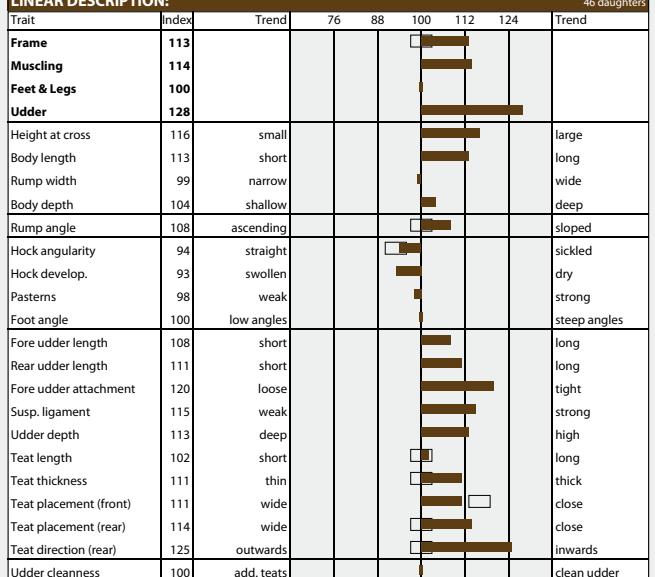
**FIT 117** 79%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 99 | 107 | 106  | 122 | 103              | 114              | 112  | 90  | 74%         |



BIENE - Daughter of In Aisch

#### LINEAR DESCRIPTION:



# HUF SCHLAG

HBNr. 10/186774  
LOM DE 09 49144759  
Born 19.01.2014

Pigm.: 29 %



| Milk | Udder health | Type |
|------|--------------|------|
|------|--------------|------|



Progeny tested

Total merit index (Proof: August 2019) **gGZW 118** 81%

**Milk performance** **MW 124** 89%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +855    | -0,03 | +33    | +0,05   | +35      |

**Beef performance** **FW 99** 84%

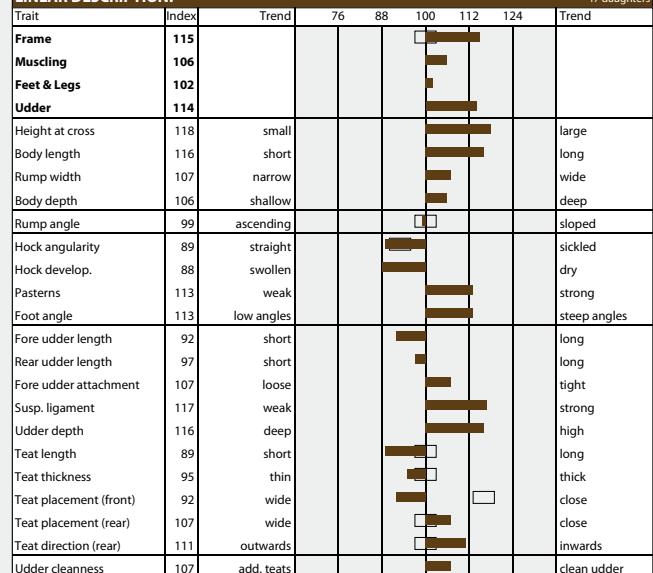
| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 102            | 97                 | 100      |

**Functional traits** **FIT 99** 79%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 98 | 112 | 96   | 102 | 103              | 101              | 95   | 86  | 77%         |



**LINEAR DESCRIPTION:** 47 daughters



# WILDENHOF

HBNr. 10/426996  
LOM DE 08 15756444  
Born 27.04.2014

Pigm.: 45 %



| Frame | Milk | Milking speed |
|-------|------|---------------|
|-------|------|---------------|



AA  
Progeny tested

Total merit index (Proof: August 2019) **gGZW 118** 87%

**Milk performance** **MW 122** 95%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1143   | -0,34 | +18    | +0,01   | +41      |

**Beef performance** **FW 95** 90%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 101            | 87                 | 104      |

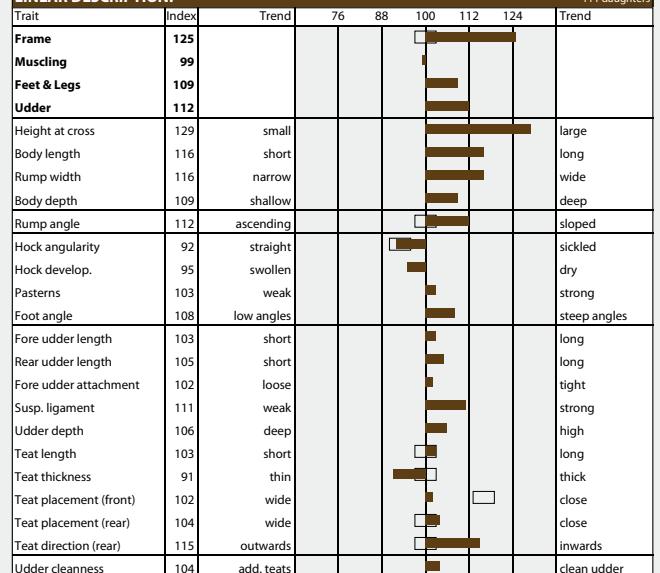
**Functional traits** **FIT 99** 83%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 118 | 87  | 116  | 101 | 97               | 110              | 93   | 100 | 91%         |



IRMA - Dam of Wildenhoef

**LINEAR DESCRIPTION:** 111 daughters



# EVEREST

HBNr. 10/179900  
LOM DE 09 45582236  
Born 08.11.2010

aAa 534162

Pigm.: 41 %

**ERMUT**



LINIWIN

6/6 10.043 4,47 3,78 829

| Milk | Milking speed | Calving ease |
|------|---------------|--------------|
|------|---------------|--------------|



A2A2

AA

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 118** 99%

Milk performance

**MW 121** 99%

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

|      |       |     |       |     |
|------|-------|-----|-------|-----|
| +924 | -0,06 | +33 | -0,06 | +28 |
|------|-------|-----|-------|-----|

Beef performance

**FW 105** 99%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
|----------------|--------------------|----------|

|     |    |     |
|-----|----|-----|
| 110 | 96 | 109 |
|-----|----|-----|

Functional traits

**FIT 94** 99%

| MS | SCC | Pers | PL | Calving ease pat | mat | Fert | VIT | Reliability |
|----|-----|------|----|------------------|-----|------|-----|-------------|
|----|-----|------|----|------------------|-----|------|-----|-------------|

|     |    |    |    |     |     |    |     |     |
|-----|----|----|----|-----|-----|----|-----|-----|
| 118 | 85 | 85 | 90 | 112 | 106 | 99 | 115 | 99% |
|-----|----|----|----|-----|-----|----|-----|-----|



ELMA - Daughter of Everest

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 96    |            |    |    | ■   |     |     |              |
| Muscling               | 103   |            |    |    | ■   |     |     |              |
| Feet & Legs            | 108   |            |    |    | ■   |     |     |              |
| Udder                  | 99    |            |    |    | ■   |     |     |              |
| Height at cross        | 90    | small      |    |    | ■   |     |     | large        |
| Body length            | 97    | short      |    |    | ■   |     |     | long         |
| Rump width             | 105   | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 112   | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 110   | ascending  |    |    | ■   |     |     | sloped       |
| Hock angularity        | 101   | straight   |    |    | ■   |     |     | sickled      |
| Hock develop.          | 98    | swollen    |    |    | ■   |     |     | dry          |
| Pasterns               | 110   | weak       |    |    | ■   |     |     | strong       |
| Foot angle             | 105   | low angles |    |    | ■   |     |     | steep angles |
| Fore udder length      | 125   | short      |    |    | ■   |     |     | long         |
| Rear udder length      | 126   | short      |    |    | ■   |     |     | long         |
| Fore udder attachment  | 100   | loose      |    |    | ■   |     |     | tight        |
| Susp. ligament         | 108   | weak       |    |    | ■   |     |     | strong       |
| Udder depth            | 74    | deep       |    |    | ■   |     |     | high         |
| Teat length            | 96    | short      |    |    | ■   |     |     | long         |
| Teat thickness         | 104   | thin       |    |    | ■   |     |     | thick        |
| Teat placement (front) | 115   | wide       |    |    | ■   |     |     | close        |
| Teat placement (rear)  | 102   | wide       |    |    | ■   |     |     | close        |
| Teat direction (rear)  | 102   | outwards   |    |    | ■   |     |     | inwards      |
| Udder cleanliness      | 98    | add. teats |    |    | ■   |     |     | clean udder  |

# MONRO

HBNr. 10/426997  
LOM DE 09 48661712  
Born 09.05.2014

Pigm.: 42 %

**MANTON**



SHOGUN  
3/3 10.527 3,83 3,34 754

MANITOBA  
BILLI  
MONDLICHT  
SHAUN  
RORB  
8/8 10.320 3,76 3,47 746

Milk

Beef

Milking speed



AA

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 118** 90%

Milk performance

**MW 121** 98%

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

|       |       |     |       |     |
|-------|-------|-----|-------|-----|
| +1114 | -0,16 | +33 | -0,13 | +28 |
|-------|-------|-----|-------|-----|

Beef performance

**FW 111** 93%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
|----------------|--------------------|----------|

|    |     |     |
|----|-----|-----|
| 99 | 113 | 109 |
|----|-----|-----|

Functional traits

**FIT 93** 85%

| MS | SCC | Pers | PL | Calving ease pat | mat | Fert | VIT | Reliability |
|----|-----|------|----|------------------|-----|------|-----|-------------|
|----|-----|------|----|------------------|-----|------|-----|-------------|

|     |    |    |     |     |     |    |    |     |
|-----|----|----|-----|-----|-----|----|----|-----|
| 111 | 97 | 96 | 100 | 104 | 106 | 85 | 97 | 97% |
|-----|----|----|-----|-----|-----|----|----|-----|



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 93    |            |    |    | ■   |     |     |              |
| Muscling               | 106   |            |    |    | ■   |     |     |              |
| Feet & Legs            | 107   |            |    |    | ■   |     |     |              |
| Udder                  | 106   |            |    |    | ■   |     |     |              |
| Height at cross        | 93    | small      |    |    | ■   |     |     | large        |
| Body length            | 90    | short      |    |    | ■   |     |     | long         |
| Rump width             | 99    | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 99    | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 102   | ascending  |    |    | ■   |     |     | sloped       |
| Hock angularity        | 107   | straight   |    |    | ■   |     |     | sickled      |
| Hock develop.          | 103   | swollen    |    |    | ■   |     |     | dry          |
| Pasterns               | 107   | weak       |    |    | ■   |     |     | strong       |
| Foot angle             | 110   | low angles |    |    | ■   |     |     | steep angles |
| Fore udder length      | 99    | short      |    |    | ■   |     |     | long         |
| Rear udder length      | 91    | short      |    |    | ■   |     |     | long         |
| Fore udder attachment  | 97    | loose      |    |    | ■   |     |     | tight        |
| Susp. ligament         | 101   | weak       |    |    | ■   |     |     | strong       |
| Udder depth            | 108   | deep       |    |    | ■   |     |     | high         |
| Teat length            | 88    | short      |    |    | ■   |     |     | long         |
| Teat thickness         | 80    | thin       |    |    | ■   |     |     | thick        |
| Teat placement (front) | 92    | wide       |    |    | ■   |     |     | close        |
| Teat placement (rear)  | 87    | wide       |    |    | ■   |     |     | close        |
| Teat direction (rear)  | 91    | outwards   |    |    | ■   |     |     | inwards      |
| Udder cleanliness      | 105   | add. teats |    |    | ■   |     |     | clean udder  |

PROGENY TESTED

# JAKARTA

HBNr. 10/190149  
LOM DE 09 48035462  
Born 27.09.2013

aAa 465213

Pigm.: 24 %

HALL

HADES  
UPSI

BIRMA

ROMEL

8/8 10.323 3,94 3,60 778

BINK  
4/4 8.900 3,92 3,48 658

HOCHTOR

Feet & Legs

Calving ease

Components



A1A2

AA

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 118** 90%

Milk performance

**MW 116** 96%

milk-kg

fat-%

fat-kg

prot.-%

prot-kg

+238

+0,21

+26

+0,17

+21

Beef performance

**FW 93** 99%

Daily net gain

Carcass percentage

prot-kg

89

98

95

Functional traits

**FIT 108** 87%

MS

SCC

Pers

PL

Calving ease

pat

mat

Fert

VIT

Reliability

113

108

107

110

119

90

101

110

94%



LAVITA - Daughter of Jakarta

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124    | Trend        |
|------------------------|-------|------------|----|----|-----|-----|--------|--------------|
| Frame                  | 98    |            |    |    | ■   | □   |        |              |
| Muscling               | 102   |            |    |    | ■   |     |        |              |
| Feet & Legs            | 117   |            |    |    | ■   | ■   |        |              |
| Udder                  | 106   |            |    |    | ■   |     |        |              |
| Height at cross        | 102   | small      |    |    |     |     | large  |              |
| Body length            | 96    | short      |    |    | ■   |     | long   |              |
| Rump width             | 95    | narrow     |    |    | ■   |     | wide   |              |
| Body depth             | 84    | shallow    |    | ■  | ■   |     | deep   |              |
| Rump angle             | 109   | ascending  |    |    | ■   | ■   |        | sloped       |
| Hock angularity        | 90    | straight   |    |    | ■   | ■   |        | sickled      |
| Hock develop.          | 96    | swollen    |    |    | ■   | ■   |        | dry          |
| Pasterns               | 114   | weak       |    |    | ■   | ■   |        | strong       |
| Foot angle             | 111   | low angles |    |    | ■   | ■   |        | steep angles |
| Fore udder length      | 112   | short      |    |    | ■   | ■   |        | long         |
| Rear udder length      | 107   | short      |    |    | ■   | ■   |        | long         |
| Fore udder attachment  | 81    | loose      |    | ■  | ■   |     | tight  |              |
| Susp. ligament         | 104   | weak       |    |    | ■   |     | strong |              |
| Udder depth            | 103   | deep       |    |    | ■   |     | high   |              |
| Teat length            | 109   | short      |    |    | ■   | ■   |        | long         |
| Teat thickness         | 102   | thin       |    |    | ■   | ■   |        | thick        |
| Teat placement (front) | 101   | wide       |    |    | ■   | ■   |        | close        |
| Teat placement (rear)  | 107   | wide       |    |    | ■   | ■   |        | close        |
| Teat direction (rear)  | 108   | outwards   |    |    | ■   | ■   |        | inwards      |
| Udder cleanliness      | 98    | add. teats |    |    | ■   |     |        | clean udder  |

# HUBRAUM

HBNr. 10/164630  
LOM DE 09 48679475  
Born 27.10.2013

aAa 465231

Pigm.: 24 %

HUTERA

HUTMANN

WANDERA

KOENIGI

MANITOBA

7/7 10.408 3,88 3,63 782

KENIA

3/3 6.067 4,89 3,88 532

ROMEL

Milk

Fertility

Calving ease



A1A2

AB

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 117** 97%

Milk performance

**MW 124** 99%

milk-kg

fat-%

fat-kg

prot.-%

prot-kg

+974

+0,09

+48

-0,11

+25

Beef performance

**FW 92** 99%

Daily net gain

Carcass percentage

prot-kg

98

83

102

Functional traits

**FIT 98** 96%

MS

SCC

Pers

PL

Calving ease

pat

mat

Fert

VIT

Reliability

107

88

92

90

109

103

113

104

99%



FIESTA - Daughter of Hubraum

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124   | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-------|--------------|
| Frame                  | 108   |            |    |    | ■   | □   |       |              |
| Muscling               | 101   |            |    |    | ■   |     |       |              |
| Feet & Legs            | 106   |            |    |    | ■   | ■   |       |              |
| Udder                  | 108   |            |    |    | ■   | ■   |       |              |
| Height at cross        | 106   | small      |    |    |     |     | large |              |
| Body length            | 108   | short      |    |    | ■   | ■   | long  |              |
| Rump width             | 111   | narrow     |    |    | ■   | ■   | wide  |              |
| Body depth             | 110   | shallow    |    |    | ■   | ■   | deep  |              |
| Rump angle             | 107   | ascending  |    |    | ■   | ■   |       | sloped       |
| Hock angularity        | 86    | straight   |    |    | ■   | ■   |       | sickled      |
| Hock develop.          | 98    | swollen    |    |    | ■   | ■   |       | dry          |
| Pasterns               | 101   | weak       |    |    | ■   | ■   |       | strong       |
| Foot angle             | 114   | low angles |    |    | ■   | ■   |       | steep angles |
| Fore udder length      | 115   | short      |    |    | ■   | ■   |       | long         |
| Rear udder length      | 107   | short      |    |    | ■   | ■   |       | long         |
| Fore udder attachment  | 107   | loose      |    |    | ■   | ■   |       | tight        |
| Susp. ligament         | 102   | weak       |    |    | ■   | ■   |       | strong       |
| Udder depth            | 99    | deep       |    |    | ■   | ■   |       | high         |
| Teat length            | 101   | short      |    |    | ■   | ■   |       | long         |
| Teat thickness         | 110   | thin       |    |    | ■   | ■   |       | thick        |
| Teat placement (front) | 101   | wide       |    |    | ■   | ■   |       | close        |
| Teat placement (rear)  | 90    | wide       |    |    | ■   | ■   |       | close        |
| Teat direction (rear)  | 96    | outwards   |    |    | ■   | ■   |       | inwards      |
| Udder cleanliness      | 103   | add. teats |    |    | ■   | ■   |       | clean udder  |



# HUTTHURM

HBNr. 10/199944  
LOM DE 09 48817867  
Born 29.09.2013

Pigm.: 47 %

**HUTERA**



**LYMPHE**

5/5 10.930 3,54 3,37 756

**Udder**

**Milk**

**Milking speed**



Progeny tested

Total merit index (Proof: August 2019)

**gGZW 117** 84%

**Milk performance**

**MW 118** 92%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +852    | -0,09 | +28    | -0,06   | +25      |

**Beef performance**

**FW 104** 88%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 105            | 94                 | 112      |

**Functional traits**

**FIT 98** 81%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 111 | 94  | 107  | 103 | 114              | 93               | 93   | 108 | 86%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 107   |            |    |    | ■   | ■   |     |              |
| Muscling               | 99    |            |    |    | ■   |     |     |              |
| Feet & Legs            | 114   |            |    |    | ■   | ■   |     |              |
| Udder                  | 123   |            |    |    | ■   | ■   | ■   |              |
| Height at cross        | 106   | small      |    |    | ■   |     |     | large        |
| Body length            | 105   | short      |    |    | ■   |     |     | long         |
| Rump width             | 108   | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 110   | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 97    | ascending  |    |    | ■   | □   |     | sloped       |
| Hock angularity        | 93    | straight   |    |    | ■   | ■   |     | sickled      |
| Hock develop.          | 104   | swollen    |    |    | ■   |     |     | dry          |
| Pasterns               | 101   | weak       |    |    | ■   |     |     | strong       |
| Foot angle             | 115   | low angles |    |    | ■   | ■   |     | steep angles |
| Fore udder length      | 115   | short      |    |    | ■   | ■   |     | long         |
| Rear udder length      | 121   | short      |    |    | ■   | ■   |     | long         |
| Fore udder attachment  | 105   | loose      |    |    | ■   |     |     | tight        |
| Susp. ligament         | 112   | weak       |    |    | ■   |     |     | strong       |
| Udder depth            | 105   | deep       |    |    | ■   |     |     | high         |
| Teat length            | 100   | short      |    |    | □   | □   |     | long         |
| Teat thickness         | 101   | thin       |    |    | □   | □   |     | thick        |
| Teat placement (front) | 107   | wide       |    |    | ■   | □   |     | close        |
| Teat placement (rear)  | 112   | wide       |    |    | ■   | ■   |     | close        |
| Teat direction (rear)  | 115   | outwards   |    |    | ■   | ■   |     | inwards      |
| Udder cleanliness      | 108   | add. teats |    |    | ■   | ■   |     | clean udder  |

# VISTA

aAa 423561

Pigm.: 39 %

HBNr. 10/186724  
LOM DE 09 47168079  
Born 19.07.2012

**REUMUT**

— RAUF.BOLD

— FIONA

**LIRA**

— WINNIPEG

— LIBO

GF: F2C, F5C

— REGIO

**Milk**

**Type**

**Calving ease**



A2A2

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 117** 89%

**Milk performance**

**MW 116** 95%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +509    | +0,02 | +23    | +0,08   | +25      |

**Beef performance**

**FW 96** 93%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 105            | 96                 | 94       |

**Functional traits**

**FIT 104** 87%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 108 | 112 | 102  | 106 | 107              | 111              | 95   | 95  | 86%         |



MISS - Daughter of Vista

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 115   |            |    |    | ■   | ■   |     |              |
| Muscling               | 102   |            |    |    | ■   |     |     |              |
| Feet & Legs            | 105   |            |    |    | ■   |     |     |              |
| Udder                  | 117   |            |    |    | ■   | ■   |     |              |
| Height at cross        | 116   | small      |    |    | ■   |     |     | large        |
| Body length            | 112   | short      |    |    | ■   |     |     | long         |
| Rump width             | 108   | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 110   | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 111   | ascending  |    |    | ■   | ■   |     | sloped       |
| Hock angularity        | 100   | straight   |    |    | ■   | ■   |     | sickled      |
| Hock develop.          | 94    | swollen    |    |    | ■   |     |     | dry          |
| Pasterns               | 102   | weak       |    |    | ■   |     |     | strong       |
| Foot angle             | 110   | low angles |    |    | ■   | ■   |     | steep angles |
| Fore udder length      | 106   | short      |    |    | ■   | ■   |     | long         |
| Rear udder length      | 102   | short      |    |    | ■   | ■   |     | long         |
| Fore udder attachment  | 106   | loose      |    |    | ■   | ■   |     | tight        |
| Susp. ligament         | 117   | weak       |    |    | ■   |     |     | strong       |
| Udder depth            | 104   | deep       |    |    | ■   |     |     | high         |
| Teat length            | 98    | short      |    |    | ■   | ■   |     | long         |
| Teat thickness         | 86    | thin       |    |    | ■   | ■   |     | thick        |
| Teat placement (front) | 134   | wide       |    |    | ■   | ■   |     | close        |
| Teat placement (rear)  | 120   | wide       |    |    | ■   | ■   |     | close        |
| Teat direction (rear)  | 123   | outwards   |    |    | ■   | ■   |     | inwards      |
| Udder cleanliness      | 103   | add. teats |    |    | ■   |     |     | clean udder  |

# MAMMAEST

HBNr. 10/171682  
LOM DE 09 49503418  
Born 06.06.2014

Pigm.: 56 %

**MAMMUT** └─ MANDELA  
ESTHER └─ FIONA  
└─ **IMPOSUM** └─ **HIRMER**  
6/5 9.007 4,42 3,49 712 ESMIREL 4/4 7.876 4,36 3,47 616

## Udder

## Milk

## Milking speed



AB  
Progeny tested

Total merit index (Proof: August 2019)

**gGZW 117** 80%

### Milk performance

**MW 115** 87%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +843    | -0,21 | +17    | -0,06   | +25     |

### Beef performance

**FW 101** 90%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 110            | 94                 | 102     |

### Functional traits

**FIT 104** 76%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 111 | 106 | 95   | 107 | 119              | 100              | 93   | 111 | 75%         |



ALEISA - Daughter of Mammaest

### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 105   |            |    |    | □   | ■   |     |              |
| Muscling               | 105   |            |    |    | ■   | ■   |     |              |
| Feet & Legs            | 109   |            |    |    | ■   | ■   |     |              |
| Udder                  | 122   |            |    |    | ■   | ■   | ■   |              |
| Height at cross        | 108   | small      |    |    |     |     |     | large        |
| Body length            | 106   | short      |    |    |     |     |     | long         |
| Rump width             | 102   | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 99    | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 101   | ascending  |    | □  | □   |     |     | sloped       |
| Hock angularity        | 95    | straight   |    | ■  | ■   |     |     | sickled      |
| Hock develop.          | 99    | swollen    |    | ■  | ■   |     |     | dry          |
| Pasterns               | 102   | weak       |    | ■  | ■   |     |     | strong       |
| Foot angle             | 117   | low angles |    | ■  | ■   |     |     | steep angles |
| Fore udder length      | 113   | short      |    |    | ■   |     |     | long         |
| Rear udder length      | 106   | short      |    |    | ■   |     |     | long         |
| Fore udder attachment  | 116   | loose      |    |    | ■   |     |     | tight        |
| Susp. ligament         | 110   | weak       |    |    | ■   |     |     | strong       |
| Udder depth            | 111   | deep       |    |    | ■   |     |     | high         |
| Teat length            | 97    | short      |    | ■  | ■   |     |     | long         |
| Teat thickness         | 97    | thin       |    | ■  | ■   |     |     | thick        |
| Teat placement (front) | 115   | wide       |    | ■  | ■   |     |     | close        |
| Teat placement (rear)  | 105   | wide       |    | ■  | ■   |     |     | close        |
| Teat direction (rear)  | 101   | outwards   |    | ■  | ■   |     |     | inwards      |
| Udder cleanness        | 101   | add. teats |    |    |     |     |     | clean udder  |

# MAXX

HBNr. 10/646028  
LOM AT 879.336.318  
Born 15.08.2011

Pigm.: 38 %

**GS MG** └─ MANITOBA  
BLACK PEARL └─ ADELHEIT  
└─ **RUREX \*TA** └─ WINNIPEG  
BERLIN 5/4 11.401 4,77 3,81 978 4/2 10.526 4,20 3,70 832

## Milk

## Longevity

## Udder health



A1A1

Progeny tested

Total merit index (Proof: August 2019)

**gGZW 115** 95%

### Milk performance

**MW 115** 98%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +835    | -0,28 | +12    | -0,02   | +28     |

### Beef performance

**FW 90** 97%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 97             | 94                 | 87      |

### Functional traits

**FIT 106** 93%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 107 | 109 | 109  | 112 | 94               | 105              | 94   | 96  | 98%         |



TOLPATSCHE - Daughter of Maxx

### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 109   |            |    |    | □   | ■   |     |              |
| Muscling               | 94    |            |    |    | ■   | ■   |     |              |
| Feet & Legs            | 107   |            |    |    | ■   | ■   |     |              |
| Udder                  | 108   |            |    |    | ■   | ■   |     |              |
| Height at cross        | 111   | small      |    |    |     |     |     | large        |
| Body length            | 103   | short      |    |    |     |     |     | long         |
| Rump width             | 112   | narrow     |    |    | ■   | ■   |     | wide         |
| Body depth             | 103   | shallow    |    |    | ■   | ■   |     | deep         |
| Rump angle             | 99    | ascending  |    | □  | □   |     |     | sloped       |
| Hock angularity        | 97    | straight   |    | ■  | ■   |     |     | sickled      |
| Hock develop.          | 94    | swollen    |    | ■  | ■   |     |     | dry          |
| Pasterns               | 111   | weak       |    | ■  | ■   |     |     | strong       |
| Foot angle             | 112   | low angles |    | ■  | ■   |     |     | steep angles |
| Fore udder length      | 102   | short      |    |    | ■   | ■   |     | long         |
| Rear udder length      | 107   | short      |    |    | ■   | ■   |     | long         |
| Fore udder attachment  | 113   | loose      |    |    | ■   | ■   |     | tight        |
| Susp. ligament         | 102   | weak       |    |    | ■   | ■   |     | strong       |
| Udder depth            | 107   | deep       |    |    | ■   | ■   |     | high         |
| Teat length            | 94    | short      |    | ■  | ■   |     |     | long         |
| Teat thickness         | 87    | thin       |    | ■  | ■   |     |     | thick        |
| Teat placement (front) | 89    | wide       |    | ■  | ■   |     |     | close        |
| Teat placement (rear)  | 98    | wide       |    | ■  | ■   |     |     | close        |
| Teat direction (rear)  | 109   | outwards   |    | ■  | ■   |     |     | inwards      |
| Udder cleanness        | 100   | add. teats |    |    |     |     |     | clean udder  |



# Crossbreeding

| p. | Name        | BK   | aAa    | TMI | ECO | Index milk | Milk (kg) | fat-% | prot.-% | F+P (kg) | Index beef | FIT | Cp  | CC  | MS  | F   | M   | F&L | UC  | Holstein F1 | F2/F3 | RB | J |
|----|-------------|------|--------|-----|-----|------------|-----------|-------|---------|----------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-------------|-------|----|---|
| 8  | Hurly       | A2A2 | 426531 | 137 | 131 | 119        | +998      | -0,26 | -0,03   | 52       | 114        | 119 | 118 | 107 | 82  | 104 | 102 | 111 | 118 | x           | x     |    |   |
| 8  | Villeroy    | A1A1 | 423651 | 135 | 136 | 118        | +752      | -0,12 | +0,03   | 50       | 117        | 114 | 104 | 103 | 110 | 91  | 91  | 110 | 115 | x           | x     |    |   |
| 9  | Sehrgut     | A2A2 | 516432 | 133 | 129 | 124        | +1121     | -0,19 | -0,01   | 68       | 103        | 113 | 115 | 123 | 103 | 97  | 93  | 109 | 108 | x           | x     | x  | x |
| 9  | Watt        | A1A2 | 531462 | 133 | 128 | 116        | +920      | -0,29 | -0,02   | 44       | 116        | 115 | 105 | 114 | 97  | 94  | 105 | 103 | 101 | x           | x     |    |   |
| 10 | Sisyphus    | A2A2 | 435261 | 131 | 129 | 120        | +518      | +0,18 | +0,06   | 59       | 115        | 114 | 118 | 108 | 110 | 90  | 107 | 107 | 126 | x           |       |    | x |
| 10 | Royal       | A1A2 | 516432 | 130 | 126 | 114        | +808      | -0,24 | -0,04   | 39       | 115        | 114 | 105 | 115 | 99  | 100 | 100 | 98  | 115 | x           | x     | x  | x |
| 11 | Vluchtlicht | A2A2 |        | 129 | 123 | 123        | +1162     | -0,17 | -0,08   | 67       | 122        | 102 | 104 | 105 | 115 | 119 | 102 | 113 | 120 | x           | x     | x  | x |
| 11 | Wimpert     |      |        | 129 | 120 | 128        | +1243     | -0,10 | -0,06   | 82       | 110        | 101 | 108 | 113 | 106 | 103 | 78  | 105 | 115 |             | x     |    |   |
| 12 | Wiscona     | A2A2 | 513426 | 129 | 126 | 112        | +293      | -0,01 | +0,14   | 33       | 119        | 113 | 91  | 108 | 106 | 112 | 111 | 111 | 119 | x           |       |    |   |
| 12 | Orka        | A1A1 | 561342 | 128 | 127 | 123        | +693      | +0,16 | +0,04   | 69       | 102        | 107 | 110 | 104 | 110 | 105 | 103 | 114 | 112 | x           |       |    | x |
| 13 | Veumaus     | A1A2 |        | 127 | 120 | 124        | +777      | +0,12 | +0,02   | 71       | 109        | 103 | 103 | 102 | 96  | 98  | 95  | 97  | 117 | x           | x     |    |   |
| 14 | Magier      | A1A2 | 453621 | 126 | 130 | 111        | +490      | -0,12 | +0,03   | 30       | 109        | 121 | 106 | 120 | 95  | 107 | 105 | 115 | 135 | x           |       |    |   |
| 13 | Vermeer     | A1A2 | 423651 | 126 | 121 | 129        | +795      | +0,13 | +0,15   | 85       | 98         | 101 | 106 | 99  | 111 | 102 | 83  | 110 | 119 | x           |       |    |   |
| 14 | Hicks       | A1A2 | 342561 | 125 | 117 | 126        | +1032     | -0,06 | -0,01   | 74       | 97         | 109 | 100 | 122 | 96  | 114 | 114 | 100 | 112 | x           | x     | x  | x |
| 15 | Mogul       | A2A2 | 543126 | 125 | 125 | 113        | +254      | +0,11 | +0,13   | 38       | 115        | 112 | 103 | 114 | 92  | 110 | 98  | 115 | 119 | x           |       |    |   |
| 16 | Waldler     | A2A2 | 564132 | 125 | 127 | 106        | +698      | -0,33 | -0,14   | 15       | 105        | 123 | 101 | 108 | 108 | 101 | 125 | 109 | 105 | x           |       |    | x |
| 15 | Warrior     | A2A2 | 453621 | 125 | 126 | 118        | +580      | ±0,00 | +0,08   | 51       | 112        | 104 | 114 | 102 | 108 | 101 | 97  | 111 | 114 | x           |       |    |   |
| 17 | Hotrocket   |      |        | 124 | 119 | 122        | +833      | +0,03 | -0,02   | 64       | 111        | 100 | 111 | 92  | 103 | 92  | 97  | 104 | 109 | x           | x     |    |   |
| 16 | Montelino   | A1A2 | 423651 | 124 | 117 | 125        | +1373     | -0,34 | -0,06   | 70       | 106        | 99  | 105 | 96  | 101 | 97  | 96  | 93  | 104 | x           |       |    |   |
| 18 | Zombie      | A2A2 | 513462 | 124 | 128 | 109        | +526      | -0,03 | -0,13   | 27       | 111        | 114 | 117 | 99  | 113 | 96  | 98  | 115 | 118 | x           |       |    |   |
| 17 | Zoom        | A2A2 | 423651 | 124 | 120 | 116        | +716      | -0,16 | +0,02   | 43       | 107        | 110 | 98  | 111 | 112 | 112 | 99  | 102 | 114 | x           |       |    | x |
| 18 | Womba       | A1A2 | 435261 | 123 | 117 | 116        | +333      | +0,17 | +0,12   | 48       | 110        | 109 | 102 | 103 | 100 | 92  | 100 | 101 | 106 |             |       |    |   |
| 19 | Isimo       |      |        | 122 | 121 | 120        | +1069     | -0,19 | -0,10   | 57       | 100        | 107 | 102 | 101 | 97  | 115 | 107 | 107 | 121 | x           | x     | x  | x |
| 20 | Pascha      |      |        | 122 | 120 | 113        | +159      | +0,24 | +0,11   | 39       | 105        | 112 | 109 | 101 | 108 | 109 | 111 | 108 | 116 | x           |       |    |   |
| 19 | Vivat       | A1A1 |        | 122 | 117 | 116        | +579      | +0,06 | -0,05   | 46       | 108        | 108 | 89  | 117 | 98  | 121 | 103 | 102 | 111 |             |       |    |   |
| 20 | Millenium   | A1A1 |        | 120 | 125 | 120        | +609      | +0,02 | +0,09   | 56       | 96         | 108 | 114 | 94  | 105 | 105 | 99  | 118 | 121 | x           |       |    | x |
| 21 | In Aisch    | A1A2 | 462513 | 119 | 122 | 109        | +571      | -0,27 | +0,01   | 23       | 98         | 117 | 103 | 107 | 99  | 113 | 114 | 100 | 128 | x           |       |    |   |
| 21 | Synergie    |      |        | 119 | 117 | 121        | +920      | -0,14 | +0,01   | 60       | 108        | 95  | 106 | 93  | 109 | 101 | 95  | 106 | 117 | x           |       |    |   |
| 23 | Everest     | A2A2 | 534162 | 118 | 104 | 121        | +924      | -0,06 | -0,06   | 61       | 105        | 94  | 112 | 85  | 118 | 96  | 103 | 108 | 99  | x           |       |    |   |
| 22 | Hufschlag   |      |        | 118 | 110 | 124        | +855      | -0,03 |         | 68       | 99         | 99  | 103 | 112 | 98  | 115 | 106 | 102 | 114 |             |       |    |   |
| 24 | Jakarta     | A1A2 | 465213 | 118 | 118 | 116        | +238      | +0,21 | +0,17   | 47       | 93         | 108 | 119 | 108 | 113 | 98  | 102 | 117 | 106 |             |       |    |   |
| 23 | Monro       |      |        | 118 | 112 | 121        | +1114     | -0,16 | -0,13   | 61       | 111        | 93  | 104 | 97  | 111 | 93  | 106 | 107 | 106 | x           |       |    |   |
| 22 | Wildenhof   |      |        | 118 | 118 | 122        | +1143     | -0,34 | +0,01   | 59       | 95         | 99  | 97  | 87  | 118 | 125 | 99  | 109 | 112 | x           | x     | x  | x |
| 24 | Hubraum     | A1A2 | 465231 | 117 | 109 | 124        | +974      | +0,09 | -0,11   | 73       | 92         | 98  | 109 | 88  | 107 | 108 | 101 | 106 | 108 | x           | x     | x  | x |
| 25 | Hutthurm    |      |        | 117 | 117 | 118        | +852      | -0,09 | -0,06   | 53       | 104        | 98  | 114 | 94  | 111 | 107 | 99  | 114 | 123 | x           | x     | x  | x |
| 26 | Mammaest    |      |        | 117 | 120 | 115        | +843      | -0,21 | -0,06   | 42       | 101        | 104 | 119 | 106 | 111 | 105 | 105 | 109 | 122 | x           | x     | x  | x |
| 25 | Vista       | A2A2 | 423561 | 117 | 115 | 116        | +509      | +0,02 | +0,08   | 48       | 96         | 104 | 107 | 112 | 108 | 115 | 102 | 105 | 117 | x           |       | x  |   |
| 26 | Maxx        | A1A1 |        | 115 | 111 | 115        | +835      | -0,28 | -0,02   | 40       | 90         | 106 | 94  | 109 | 107 | 109 | 94  | 107 | 108 | x           | x     | x  | x |

BK = Beta-Casein, aAa = Triple-A code, TMI = Total Merit Index,  
 ECO = Organic Index, F+P [kg] = fat + protein kg, FIT = Fitness Index,  
 Cp = Paternal calving ease, CC = Cell count, MS = Milking speed, F = Frame,  
 M = Muscling, F&L = Feet & Legs, UC = Udder composite, RB = Red Breeds,  
 J = Jersey

Photo: Christine Massfeler



# IMMENS

HBNr. 10/646302  
LOM DE 06 67162193  
Born 16.08.2017

## IMPERATIV

EVELIS GP83  
1/1 11.386 4,54 3,57 924



## Milk

## Beef

## Components



A1A1

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 142** 64%

### Milk performance

**MW 135** 69%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1001   | +0,25 | +63    | +0,03   | +38      |

### Beef performance

**FW 120** 65%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 117            | 109                | 121      |

### Functional traits

**FIT 113** 67%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 105 | 105 | 116  | 112 | 109              | 103              | 106  | 109 | 60%         |



### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 93    |            |    |    | █   |     |     |              |
| Muscling               | 106   |            |    |    | █   |     |     |              |
| Feet & Legs            | 116   |            |    |    | █   |     |     |              |
| Udder                  | 101   |            |    |    | █   |     |     |              |
| Height at cross        | 93    | small      |    |    | █   |     |     | large        |
| Body length            | 92    | short      |    |    | █   |     |     | long         |
| Rump width             | 96    | narrow     |    |    | █   |     |     | wide         |
| Body depth             | 98    | shallow    |    |    | █   |     |     | deep         |
| Rump angle             | 102   | ascending  |    |    | █   |     |     | sloped       |
| Hock angularity        | 100   | straight   |    |    | █   |     |     | sickled      |
| Hock develop.          | 108   | swollen    |    |    | █   |     |     | dry          |
| Pasterns               | 112   | weak       |    |    | █   |     |     | strong       |
| Foot angle             | 110   | low angles |    |    | █   |     |     | steep angles |
| Fore udder length      | 103   | short      |    |    | █   |     |     | long         |
| Rear udder length      | 102   | short      |    |    | █   |     |     | long         |
| Fore udder attachment  | 96    | loose      |    |    | █   |     |     | tight        |
| Susp. ligament         | 107   | weak       |    |    | █   |     |     | strong       |
| Udder depth            | 96    | deep       |    |    | █   |     |     | high         |
| Teat length            | 97    | short      |    |    | █   |     |     | long         |
| Teat thickness         | 116   | thin       |    |    | █   |     |     | thick        |
| Teat placement (front) | 91    | wide       |    |    | █   |     |     | close        |
| Teat placement (rear)  | 102   | wide       |    |    | █   |     |     | close        |
| Teat direction (rear)  | 94    | outwards   |    |    | █   |     |     | inwards      |
| Udder cleanness        | 95    | add. teats |    |    | █   |     |     | clean udder  |

# HERZPOCHEN

HBNr. 10/190800  
LOM DE 09 51854398  
Born 12.01.2017

aAa 516342

## HERZSCHLAG



BANDITA  
3/3 9.845 3,98 3,70 757

HUTERA  
LEONIE  
BOMBE  
WINNIPEG  
7/6 11.147 3,68 3,46 796

## Milk

## Udder

## Milking speed



A1A1

AB

Genomic

Total merit index (Proof: August 2019)

**gGZW 141** 70%

### Milk performance

**MW 137** 75%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1457   | -0,04 | +57    | -0,04   | +48      |

### Beef performance

**FW 122** 69%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 132            | 110                | 115      |

### Functional traits

**FIT 100** 73%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 122 | 96  | 109  | 105 | 116              | 109              | 90   | 105 | 80%         |



BANDITA - Dam of Herzpochen

### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 109   |            |    |    | █   |     |     |              |
| Muscling               | 109   |            |    |    | █   |     |     |              |
| Feet & Legs            | 101   |            |    |    | █   |     |     |              |
| Udder                  | 126   |            |    |    | █   |     |     |              |
| Height at cross        | 106   | small      |    |    | █   |     |     | large        |
| Body length            | 108   | short      |    |    | █   |     |     | long         |
| Rump width             | 116   | narrow     |    |    | █   |     |     | wide         |
| Body depth             | 109   | shallow    |    |    | █   |     |     | deep         |
| Rump angle             | 87    | ascending  |    |    | █   |     |     | sloped       |
| Hock angularity        | 94    | straight   |    |    | █   |     |     | sickled      |
| Hock develop.          | 88    | swollen    |    |    | █   |     |     | dry          |
| Pasterns               | 107   | weak       |    |    | █   |     |     | strong       |
| Foot angle             | 111   | low angles |    |    | █   |     |     | steep angles |
| Fore udder length      | 119   | short      |    |    | █   |     |     | long         |
| Rear udder length      | 114   | short      |    |    | █   |     |     | long         |
| Fore udder attachment  | 123   | loose      |    |    | █   |     |     | tight        |
| Susp. ligament         | 109   | weak       |    |    | █   |     |     | strong       |
| Udder depth            | 105   | deep       |    |    | █   |     |     | high         |
| Teat length            | 92    | short      |    |    | █   |     |     | long         |
| Teat thickness         | 85    | thin       |    |    | █   |     |     | thick        |
| Teat placement (front) | 106   | wide       |    |    | █   |     |     | close        |
| Teat placement (rear)  | 107   | wide       |    |    | █   |     |     | close        |
| Teat direction (rear)  | 114   | outwards   |    |    | █   |     |     | inwards      |
| Udder cleanness        | 101   | add. teats |    |    | █   |     |     | clean udder  |



# WEITBLICK

HBNr. 10/860110  
LOM DE 09 45642290  
Born 05.07.2017

aAa 423561

## WOBBLER

LANESSA  
1/1 9.888 3,57 3,63 712



## Milk

## Fitness

## Beef



A1A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 140** 68%

### Milk performance

**MW 126** 73%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1129   | -0,16 | +33    | +0,01   | +41      |

### Beef performance

**FW 116** 68%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 110            | 114                | 112      |

### Functional traits

**FIT 118** 71%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 105 | 122 | 114  | 123 | 107              | 115              | 97   | 98  | 58%         |



LANESSA - Dam of Weitblick

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 100   |            |    |    | □   |     |     |              |
| Muscling               | 100   |            |    |    |     |     |     |              |
| Feet & Legs            | 111   |            |    |    | █   |     |     |              |
| Udder                  | 108   |            |    |    | █   |     |     |              |
| Height at cross        | 102   | small      |    |    |     |     |     | large        |
| Body length            | 99    | short      |    |    |     |     |     | long         |
| Rump width             | 99    | narrow     |    |    |     |     |     | wide         |
| Body depth             | 95    | shallow    |    |    | █   |     |     | deep         |
| Rump angle             | 111   | ascending  |    | █  | █   |     |     | sloped       |
| Hock angularity        | 99    | straight   |    | █  |     |     |     | sickled      |
| Hock develop.          | 96    | swollen    |    | █  |     |     |     | dry          |
| Pasterns               | 110   | weak       |    | █  | █   |     |     | strong       |
| Foot angle             | 112   | low angles |    | █  | █   |     |     | steep angles |
| Fore udder length      | 110   | short      |    |    | █   |     |     | long         |
| Rear udder length      | 113   | short      |    |    | █   |     |     | long         |
| Fore udder attachment  | 102   | loose      |    |    | █   |     |     | tight        |
| Susp. ligament         | 102   | weak       |    |    | █   |     |     | strong       |
| Udder depth            | 96    | deep       |    |    | █   |     |     | high         |
| Teat length            | 95    | short      |    |    | █   |     |     | long         |
| Teat thickness         | 104   | thin       |    |    | █   |     |     | thick        |
| Teat placement (front) | 115   | wide       |    |    | █   |     |     | close        |
| Teat placement (rear)  | 108   | wide       |    |    | █   |     |     | close        |
| Teat direction (rear)  | 100   | outwards   |    |    | █   |     |     | inwards      |
| Udder cleanliness      | 105   | add. teats |    |    | █   |     |     | clean udder  |

# IMPOSSUM

HBNr. 10/646301  
LOM DE 06 67162194  
Born 29.08.2017

## IMPERATIV

EVELIS  
1/60T 2.265 4,42 3,49 179

## IMPRESSION

URKE  
1/38T 1.448 3,73 3,45 104

## POLAROID

ESMERALDA  
1/38T 1.448 3,73 3,45 104

## EVEREST

## Milk

## Udder

## Components

A1A2

AA

Genomic



Total merit index (Proof: August 2019)

**gGZW 139** 62%

### Milk performance

**MW 133** 67%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +932    | +0,19 | +54    | +0,08   | +39      |

### Beef performance

**FW 110** 65%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 101            | 108                | 111      |

### Functional traits

**FIT 116** 66%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 111 | 117 | 117  | 118 | 104              | 101              | 98   | 108 | 60%         |



#### LINEAR DESCRIPTION:

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 99    |            |    |    | □   |     |     |              |
| Muscling               | 107   |            |    |    |     |     |     |              |
| Feet & Legs            | 113   |            |    |    | █   |     |     |              |
| Udder                  | 116   |            |    |    | █   |     |     |              |
| Height at cross        | 98    | small      |    |    |     |     |     | large        |
| Body length            | 99    | short      |    |    |     |     |     | long         |
| Rump width             | 96    | narrow     |    |    | █   |     |     | wide         |
| Body depth             | 100   | shallow    |    |    | █   |     |     | deep         |
| Rump angle             | 108   | ascending  |    | █  | █   |     |     | sloped       |
| Hock angularity        | 103   | straight   |    | █  |     |     |     | sickled      |
| Hock develop.          | 109   | swollen    |    | █  |     |     |     | dry          |
| Pasterns               | 107   | weak       |    | █  | █   |     |     | strong       |
| Foot angle             | 107   | low angles |    | █  | █   |     |     | steep angles |
| Fore udder length      | 106   | short      |    |    | █   |     |     | long         |
| Rear udder length      | 110   | short      |    |    | █   |     |     | long         |
| Fore udder attachment  | 105   | loose      |    |    | █   |     |     | tight        |
| Susp. ligament         | 110   | weak       |    |    | █   |     |     | strong       |
| Udder depth            | 106   | deep       |    |    | █   |     |     | high         |
| Teat length            | 82    | short      |    |    | █   |     |     | long         |
| Teat thickness         | 101   | thin       |    |    | █   |     |     | thick        |
| Teat placement (front) | 105   | wide       |    |    | █   |     |     | close        |
| Teat placement (rear)  | 102   | wide       |    |    | █   |     |     | close        |
| Teat direction (rear)  | 104   | outwards   |    |    | █   |     |     | inwards      |
| Udder cleanliness      | 102   | add. teats |    |    | █   |     |     | clean udder  |

# WESTPOINT

HBNr. 10/854371  
LOM DE 09 53353068  
Born 07.07.2018



## Dual purpose      Udder health      Protein %



A1A2

AB

Genomic

Total merit index (Proof: August 2019) **gGZW 139** 66%

### Milk performance MW 124 72%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +622    | +0,08 | +32    | +0,17   | +36      |

### Beef performance FW 112 66%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 115            | 107                | 108      |

### Functional traits FIT 123 70%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 101 | 116 | 119  | 121 | 100              | 107              | 106  | 115 | 57%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88    | 100   | 112   | 124 | Trend        |
|------------------------|-------|------------|----|-------|-------|-------|-----|--------------|
| Frame                  | 113   |            |    |       | □     | ■■■■■ |     |              |
| Muscling               | 107   |            |    |       | ■■■■■ |       |     |              |
| Feet & Legs            | 109   |            |    |       | ■■■■■ |       |     |              |
| Udder                  | 114   |            |    |       | ■■■■■ |       |     |              |
| Height at cross        | 112   | small      |    |       | ■■■■■ |       |     | large        |
| Body length            | 110   | short      |    |       | ■■■■■ |       |     | long         |
| Rump width             | 113   | narrow     |    |       | ■■■■■ |       |     | wide         |
| Body depth             | 108   | shallow    |    |       | ■■■■■ |       |     | deep         |
| Rump angle             | 101   | ascending  |    | □□    |       |       |     | sloped       |
| Hock angularity        | 90    | straight   |    | ■■■■■ |       |       |     | sickled      |
| Hock develop.          | 94    | swollen    |    | ■■■■■ |       |       |     | dry          |
| Pasterns               | 110   | weak       |    | ■■■■■ |       |       |     | strong       |
| Foot angle             | 119   | low angles |    | ■■■■■ |       |       |     | steep angles |
| Fore udder length      | 92    | short      |    | ■■■■■ |       |       |     | long         |
| Rear udder length      | 109   | short      |    | ■■■■■ |       |       |     | long         |
| Fore udder attachment  | 104   | loose      |    | ■■■■■ |       |       |     | tight        |
| Susp. ligament         | 106   | weak       |    | ■■■■■ |       |       |     | strong       |
| Udder depth            | 117   | deep       |    | ■■■■■ |       |       |     | high         |
| Teat length            | 98    | short      |    | ■■■■■ |       |       |     | long         |
| Teat thickness         | 110   | thin       |    | ■■■■■ |       |       |     | thick        |
| Teat placement (front) | 114   | wide       |    | ■■■■■ |       |       |     | close        |
| Teat placement (rear)  | 106   | wide       |    | ■■■■■ |       |       |     | close        |
| Teat direction (rear)  | 101   | outwards   |    | ■■■■■ |       |       |     | inwards      |
| Udder cleanness        | 99    | add. teats |    | ■     |       |       |     | clean udder  |

# WELTMACHT

HBNr. 10/190999  
LOM DE 09 53104350  
Born 30.11.2017



## Milk      Fitness      Longevity



A2A2

AB

Genomic

Total merit index (Proof: August 2019) **gGZW 138** 65%

### Milk performance MW 131 71%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1005   | +0,12 | +52    | +0,02   | +37      |

### Beef performance FW 108 65%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 107            | 104                | 107      |

### Functional traits FIT 117 67%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 109 | 108 | 113  | 120 | 101              | 102              | 108  | 102 | 57%         |



HERZOGIN - Dam of Weltmacht

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88    | 100   | 112   | 124 | Trend        |
|------------------------|-------|------------|----|-------|-------|-------|-----|--------------|
| Frame                  | 97    |            |    |       | □     | ■■■■■ |     |              |
| Muscling               | 96    |            |    |       | ■■■■■ |       |     |              |
| Feet & Legs            | 109   |            |    |       | ■■■■■ |       |     |              |
| Udder                  | 114   |            |    |       | ■■■■■ |       |     |              |
| Height at cross        | 98    | small      |    |       | ■■■■■ |       |     | large        |
| Body length            | 96    | short      |    |       | ■■■■■ |       |     | long         |
| Rump width             | 93    | narrow     |    |       | ■■■■■ |       |     | wide         |
| Body depth             | 100   | shallow    |    |       | ■■■■■ |       |     | deep         |
| Rump angle             | 93    | ascending  |    | □□    |       |       |     | sloped       |
| Hock angularity        | 114   | straight   |    | ■■■■■ |       |       |     | sickled      |
| Hock develop.          | 112   | swollen    |    | ■■■■■ |       |       |     | dry          |
| Pasterns               | 105   | weak       |    | ■■■■■ |       |       |     | strong       |
| Foot angle             | 101   | low angles |    | ■■■■■ |       |       |     | steep angles |
| Fore udder length      | 110   | short      |    | ■■■■■ |       |       |     | long         |
| Rear udder length      | 103   | short      |    | ■■■■■ |       |       |     | long         |
| Fore udder attachment  | 103   | loose      |    | ■■■■■ |       |       |     | tight        |
| Susp. ligament         | 111   | weak       |    | ■■■■■ |       |       |     | strong       |
| Udder depth            | 106   | deep       |    | ■■■■■ |       |       |     | high         |
| Teat length            | 101   | short      |    | ■■■■■ |       |       |     | long         |
| Teat thickness         | 104   | thin       |    | ■■■■■ |       |       |     | thick        |
| Teat placement (front) | 99    | wide       |    | ■■■■■ |       |       |     | close        |
| Teat placement (rear)  | 104   | wide       |    | ■■■■■ |       |       |     | close        |
| Teat direction (rear)  | 113   | outwards   |    | ■■■■■ |       |       |     | inwards      |
| Udder cleanness        | 100   | add. teats |    | ■     |       |       |     | clean udder  |

# WALINT

HBNr. 10/190749  
LOM DE 09 51373209  
Born 09.10.2016

aAa 435261

GF: F5C

**WALK**



**GENO**

1/1 9.969 4,55 3,88 841

**Milk**

**Beef**

**Fitness**



A1A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 138** 66%

**Milk performance**

**MW 123** 70%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1119   | -0,24 | +26    | -0,03   | +37      |

**Beef performance**

**FW 121** 69%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 126            | 110                | 115      |

**Functional traits**

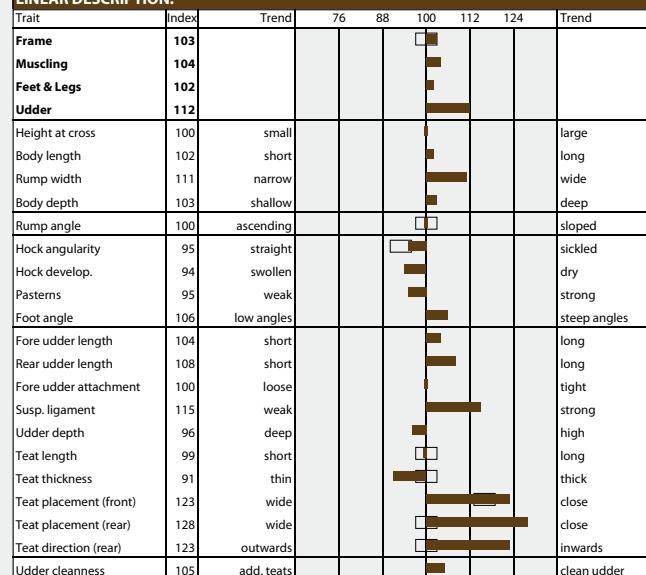
**FIT 118** 69%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 100 | 123 | 114  | 117 | 100              | 109              | 96   | 114 | 74%         |



GENO - Dam of Walint

#### LINEAR DESCRIPTION:



# HERKULES

HBNr. 10/8655556  
LOM DE 09 52599720  
Born 09.02.2017

**HERZSCHLAG**



**AMELIE**

3/3 9.706 4,89 3,67 831

**WEINOLD**

**HUTERA**

**LEONIE**

**REUMUT**

**ANGELA**

4/4 10.078 4,98 3,78 883

**Milk**

**Milking speed**

**Udder**



A1A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 136** 68%

**Milk performance**

**MW 145** 74%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1515   | +0,18 | +79    | -0,04   | +50      |

**Beef performance**

**FW 107** 68%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 121            | 98                 | 104      |

**Functional traits**

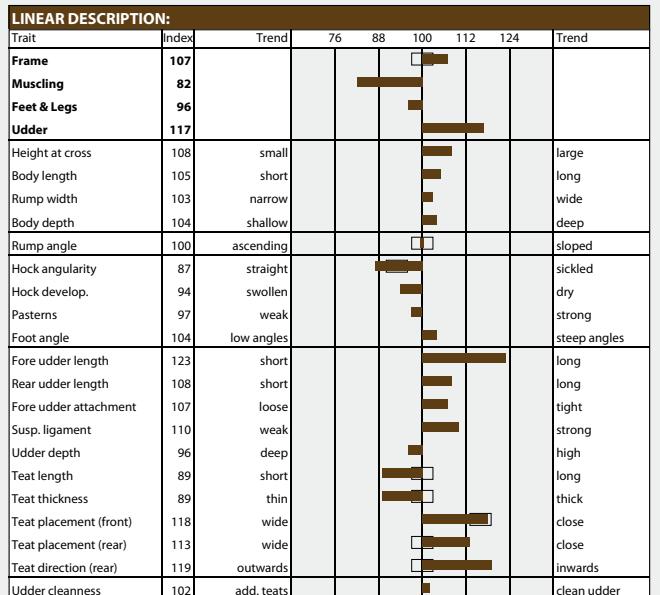
**FIT 91** 71%

| MS  | SCC | Pers | PL | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|----|------------------|------------------|------|-----|-------------|
| 127 | 91  | 100  | 93 | 97               | 109              | 90   | 100 | 59%         |



GENOMIC

#### LINEAR DESCRIPTION:



# HOCHHINAUS

HBNr. 10/862487  
LOM DE 09 52553854  
Born 20.11.2017

GF: TPC

**HUGOBOSS**

- HUTERA
- ERLE
- WAL
- NICHTE
- VANSTEIN

**NALE**  
6/6 8.727 4,57 3,65 718

**Udder**

**Fitness**

**Components**



A1A2

AB

**Genomic**

Total merit index (Proof: August 2019)

**gGZW 136** 63%

Milk performance

**MW 130** 68%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +782    | +0,25 | +53    | +0,06   | +32      |

Beef performance

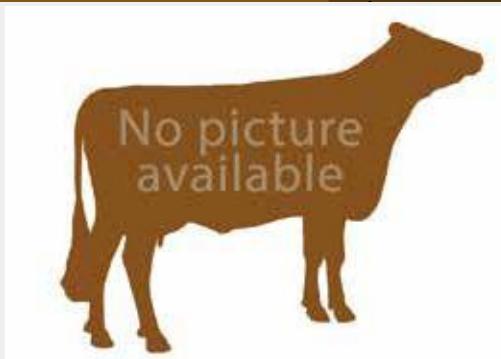
**FW 105** 66%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 101            | 104                | 106      |

Functional traits

**FIT 117** 65%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 105 | 110 | 119  | 119 | 105              | 112              | 100  | 104 | 58%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 112   |            |    |    | □   | █   |     |              |
| Muscling               | 112   |            |    |    | █   | █   |     |              |
| Feet & Legs            | 116   |            |    |    | █   | █   |     |              |
| Udder                  | 128   |            |    |    | █   | █   |     |              |
| Height at cross        | 109   | small      |    |    | █   | █   |     | large        |
| Body length            | 105   | short      |    |    | █   | █   |     | long         |
| Rump width             | 109   | narrow     |    |    | █   | █   |     | wide         |
| Body depth             | 115   | shallow    |    |    | █   | █   |     | deep         |
| Rump angle             | 118   | ascending  |    |    | □   | █   |     | sloped       |
| Hock angularity        | 92    | straight   |    |    | █   | █   |     | sickled      |
| Hock develop.          | 103   | swollen    |    |    | █   | █   |     | dry          |
| Pasterns               | 116   | weak       |    |    | █   | █   |     | strong       |
| Foot angle             | 113   | low angles |    |    | █   | █   |     | steep angles |
| Fore udder length      | 115   | short      |    |    | █   | █   |     | long         |
| Rear udder length      | 105   | short      |    |    | █   | █   |     | long         |
| Fore udder attachment  | 117   | loose      |    |    | █   | █   |     | tight        |
| Susp. ligament         | 108   | weak       |    |    | █   | █   |     | strong       |
| Udder depth            | 113   | deep       |    |    | █   | █   |     | high         |
| Teat length            | 84    | short      |    |    | █   | █   |     | long         |
| Teat thickness         | 93    | thin       |    |    | █   | █   |     | thick        |
| Teat placement (front) | 105   | wide       |    |    | █   | █   |     | close        |
| Teat placement (rear)  | 102   | wide       |    |    | █   | █   |     | close        |
| Teat direction (rear)  | 118   | outwards   |    |    | █   | █   |     | inwards      |
| Udder cleanness        | 105   | add. teats |    |    | █   | █   |     | clean udder  |

# EDELSTEIN

HBNr. 10/858110  
LOM DE 09 53147492  
Born 04.10.2017

**ETOSCHA**

- EVEREST
- MINA
- IMPRESSION
- WIPEG

646  
1/1 10.525 4,39 3,91 874

534  
3/3 12.874 4,00 3,64 983

**Udder**

**Fitness**

**Protein %**



A1A2

AA

**Genomic**

Total merit index (Proof: August 2019)

**gGZW 136** 68%

Milk performance

**MW 120** 74%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +633    | +0,01 | +27    | +0,10   | +30      |

Beef performance

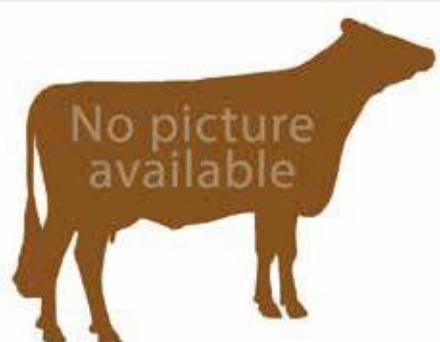
**FW 110** 70%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 107            | 111                | 106      |

Functional traits

**FIT 125** 69%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 105 | 108 | 112  | 123 | 113              | 108              | 117  | 107 | 61%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 110   |            |    |    | □   | █   |     |              |
| Muscling               | 96    |            |    |    | █   | █   |     |              |
| Feet & Legs            | 114   |            |    |    | █   | █   |     |              |
| Udder                  | 136   |            |    |    | █   | █   |     |              |
| Height at cross        | 112   | small      |    |    | █   | █   |     | large        |
| Body length            | 113   | short      |    |    | █   | █   |     | long         |
| Rump width             | 102   | narrow     |    |    | █   | █   |     | wide         |
| Body depth             | 101   | shallow    |    |    | █   | █   |     | deep         |
| Rump angle             | 97    | ascending  |    |    | █   | █   |     | sloped       |
| Hock angularity        | 98    | straight   |    |    | █   | █   |     | sickled      |
| Hock develop.          | 113   | swollen    |    |    | █   | █   |     | dry          |
| Pasterns               | 110   | weak       |    |    | █   | █   |     | strong       |
| Foot angle             | 113   | low angles |    |    | █   | █   |     | steep angles |
| Fore udder length      | 103   | short      |    |    | █   | █   |     | long         |
| Rear udder length      | 87    | short      |    |    | █   | █   |     | long         |
| Fore udder attachment  | 123   | loose      |    |    | █   | █   |     | tight        |
| Susp. ligament         | 115   | weak       |    |    | █   | █   |     | strong       |
| Udder depth            | 133   | deep       |    |    | █   | █   |     | high         |
| Teat length            | 86    | short      |    |    | █   | █   |     | long         |
| Teat thickness         | 96    | thin       |    |    | █   | █   |     | thick        |
| Teat placement (front) | 110   | wide       |    |    | █   | █   |     | close        |
| Teat placement (rear)  | 100   | wide       |    |    | █   | █   |     | close        |
| Teat direction (rear)  | 112   | outwards   |    |    | █   | █   |     | inwards      |
| Udder cleanness        | 101   | add. teats |    |    | █   | █   |     | clean udder  |

# MAINHATTAN

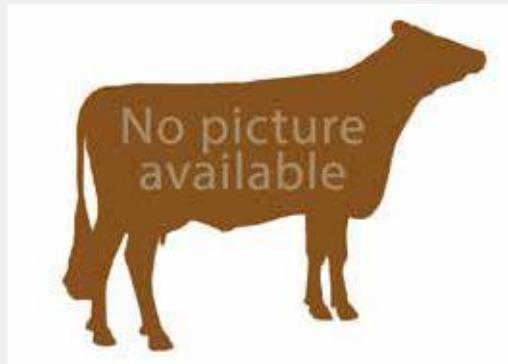
HBNr. 10/646311  
LOM DE 06 67226258  
Born 28.01.2018



| Milk  | Type    | Cell count |
|---|---------|------------|
|  | A2A2    | AA         |
|   | Genomic |            |

Total merit index (Proof: August 2019) **gGZW 135** 67%

| Milk performance  |                    |          |         |                  | MW 133  | 72% |
|-------------------|--------------------|----------|---------|------------------|---------|-----|
| milk-kg           | fat-%              | fat-kg   | prot.-% | prot.-kg         |         |     |
| +1132             | +0,05              | +51      | +0,02   | +42              |         |     |
| Beef performance  |                    |          |         |                  | FW 110  | 67% |
| Daily net gain    | Carcass percentage | prot.-kg |         |                  |         |     |
| 112               | 105                | 107      |         |                  |         |     |
| Functional traits |                    |          |         |                  | FIT 109 | 71% |
| MS                | SCC                | Pers     | PL      | Calving ease pat |         |     |
| 103               | 121                | 117      | 108     | 100              | 106     | 93  |
|                   |                    |          |         | 93               | 101     | 100 |
|                   |                    |          |         |                  | 100     | 58% |



**LINEAR DESCRIPTION:**

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112   | 124          | Trend |
|------------------------|-------|------------|----|----|-------|-------|--------------|-------|
| Frame                  | 116   |            |    |    | □     | ■■■■■ |              |       |
| Muscling               | 110   |            |    |    | ■■■■■ |       |              |       |
| Feet & Legs            | 102   |            |    |    | ■     |       |              |       |
| Udder                  | 109   |            |    |    | ■■■■■ |       |              |       |
| Height at cross        | 118   | small      |    |    | ■■■■■ |       | large        |       |
| Body length            | 111   | short      |    |    | ■■■■■ |       | long         |       |
| Rump width             | 109   | narrow     |    |    | ■■■■■ |       | wide         |       |
| Body depth             | 109   | shallow    |    |    | ■■■■■ |       | deep         |       |
| Rump angle             | 121   | ascending  |    |    | □■■■■ |       | sloped       |       |
| Hock angularity        | 98    | straight   |    |    | □■■■■ |       | sickled      |       |
| Hock develop.          | 94    | swollen    |    |    | ■■■■■ |       | dry          |       |
| Pasterns               | 103   | weak       |    |    | ■■■■■ |       | strong       |       |
| Foot angle             | 111   | low angles |    |    | ■■■■■ |       | steep angles |       |
| Fore udder length      | 102   | short      |    |    | ■■■■■ |       | long         |       |
| Rear udder length      | 107   | short      |    |    | ■■■■■ |       | long         |       |
| Fore udder attachment  | 110   | loose      |    |    | ■■■■■ |       | tight        |       |
| Susp. ligament         | 103   | weak       |    |    | ■■■■■ |       | strong       |       |
| Udder depth            | 104   | deep       |    |    | ■■■■■ |       | high         |       |
| Teat length            | 107   | short      |    |    | □■■■■ |       | long         |       |
| Teat thickness         | 99    | thin       |    |    | □■■■■ |       | thick        |       |
| Teat placement (front) | 93    | wide       |    |    | ■■■■■ |       | close        |       |
| Teat placement (rear)  | 93    | wide       |    |    | ■■■■■ |       | close        |       |
| Teat direction (rear)  | 109   | outwards   |    |    | ■■■■■ |       | inwards      |       |
| Udder cleanliness      | 106   | add. teats |    |    | ■■■■■ |       | clean udder  |       |

# EMERALD

HBNr. 10/858436  
LOM DE 09 53654365  
Born 12.06.2018



| Milk   | Fitness | Udder |
|--|---------|-------|
|  | A2A2    | AA    |
|  | Genomic |       |

Total merit index (Proof: August 2019) **gGZW 135** 62%

| Milk performance  |                    |          |         |                  | MW 122  | 67% |
|-------------------|--------------------|----------|---------|------------------|---------|-----|
| milk-kg           | fat-%              | fat-kg   | prot.-% | prot.-kg         |         |     |
| +953              | -0,07              | +34      | -0,06   | +28              |         |     |
| Beef performance  |                    |          |         |                  | FW 106  | 59% |
| Daily net gain    | Carcass percentage | prot.-kg |         |                  |         |     |
| 103               | 109                | 102      |         |                  |         |     |
| Functional traits |                    |          |         |                  | FIT 126 | 71% |
| MS                | SCC                | Pers     | PL      | Calving ease pat |         |     |
| 106               | 105                | 107      | 127     | 114              | 101     | 124 |
|                   |                    |          |         | 101              | 124     | 109 |
|                   |                    |          |         |                  | 109     | 62% |



**LINEAR DESCRIPTION:**

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112   | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-------|-----|--------------|
| Frame                  | 100   |            |    |    |     | □     |     |              |
| Muscling               | 93    |            |    |    |     | ■■■■■ |     |              |
| Feet & Legs            | 117   |            |    |    |     | ■■■■■ |     |              |
| Udder                  | 124   |            |    |    |     | ■■■■■ |     |              |
| Height at cross        | 102   | small      |    |    |     | ■■■■■ |     | large        |
| Body length            | 98    | short      |    |    |     | ■■■■■ |     | long         |
| Rump width             | 101   | narrow     |    |    |     | ■■■■■ |     | wide         |
| Body depth             | 101   | shallow    |    |    |     | ■■■■■ |     | deep         |
| Rump angle             | 97    | ascending  |    |    |     | ■■■■■ |     | sloped       |
| Hock angularity        | 85    | straight   |    |    |     | ■■■■■ |     | sickled      |
| Hock develop.          | 102   | swollen    |    |    |     | ■■■■■ |     | dry          |
| Pasterns               | 106   | weak       |    |    |     | ■■■■■ |     | strong       |
| Foot angle             | 108   | low angles |    |    |     | ■■■■■ |     | steep angles |
| Fore udder length      | 117   | short      |    |    |     | ■■■■■ |     | long         |
| Rear udder length      | 111   | short      |    |    |     | ■■■■■ |     | long         |
| Fore udder attachment  | 111   | loose      |    |    |     | ■■■■■ |     | tight        |
| Susp. ligament         | 107   | weak       |    |    |     | ■■■■■ |     | strong       |
| Udder depth            | 107   | deep       |    |    |     | ■■■■■ |     | high         |
| Teat length            | 102   | short      |    |    |     | □■■■■ |     | long         |
| Teat thickness         | 97    | thin       |    |    |     | □■■■■ |     | thick        |
| Teat placement (front) | 113   | wide       |    |    |     | ■■■■■ |     | close        |
| Teat placement (rear)  | 94    | wide       |    |    |     | ■■■■■ |     | close        |
| Teat direction (rear)  | 98    | outwards   |    |    |     | ■■■■■ |     | inwards      |
| Udder cleanliness      | 103   | add. teats |    |    |     | ■■■■■ |     | clean udder  |

# SUNRISE

HBNr. 10/854205  
LOM DE 09 53196995  
Born 29.11.2017



Dual purpose

Udder

Fitness



A2A2

BB

Genomic

Total merit index (Proof: August 2019)

**gGZW 134** 63%

Milk performance

**MW 122** 68%

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

|       |       |     |       |     |
|-------|-------|-----|-------|-----|
| +1006 | -0,12 | +32 | -0,05 | +31 |
|-------|-------|-----|-------|-----|

Beef performance

**FW 119** 67%

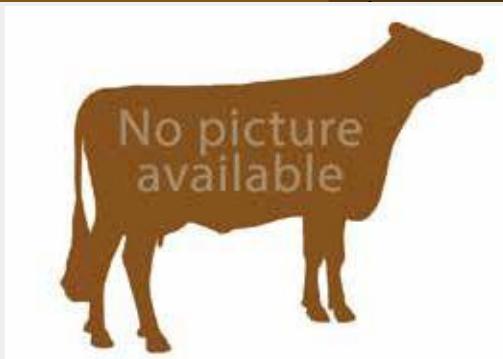
|                |                    |          |
|----------------|--------------------|----------|
| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|

|     |     |     |
|-----|-----|-----|
| 124 | 103 | 120 |
|-----|-----|-----|

Functional traits

**FIT 116** 66%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 104 | 113 | 97   | 116 | 113              | 106              | 109  | 108 | 59%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124          | Trend       |
|------------------------|-------|------------|----|----|-----|-----|--------------|-------------|
| Frame                  | 97    |            |    |    | █   | █   |              |             |
| Muscling               | 102   |            |    |    | █   |     |              |             |
| Feet & Legs            | 111   |            |    |    | █   | █   |              |             |
| Udder                  | 121   |            |    |    | █   | █   |              |             |
| Height at cross        | 95    | small      |    |    |     |     | large        |             |
| Body length            | 100   | short      |    |    |     |     | long         |             |
| Rump width             | 101   | narrow     |    |    |     |     | wide         |             |
| Body depth             | 105   | shallow    |    |    | █   |     | deep         |             |
| Rump angle             | 109   | ascending  |    |    | █   | █   |              | sloped      |
| Hock angularity        | 101   | straight   |    |    | █   |     |              | sickled     |
| Hock develop.          | 101   | swollen    |    |    |     |     | dry          |             |
| Pasterns               | 107   | weak       |    |    | █   |     | strong       |             |
| Foot angle             | 109   | low angles |    |    | █   |     | steep angles |             |
| Fore udder length      | 113   | short      |    |    | █   |     |              | long        |
| Rear udder length      | 109   | short      |    |    | █   |     |              | long        |
| Fore udder attachment  | 113   | loose      |    |    | █   |     |              | tight       |
| Susp. ligament         | 113   | weak       |    |    | █   |     |              | strong      |
| Udder depth            | 109   | deep       |    |    | █   |     |              | high        |
| Teat length            | 99    | short      |    |    | █   |     |              | long        |
| Teat thickness         | 98    | thin       |    |    | █   |     |              | thick       |
| Teat placement (front) | 113   | wide       |    |    | █   | █   |              | close       |
| Teat placement (rear)  | 108   | wide       |    |    | █   | █   |              | close       |
| Teat direction (rear)  | 116   | outwards   |    |    | █   | █   |              | inwards     |
| Udder cleanness        | 101   | add. teats |    |    |     |     |              | clean udder |

# HENNESSY

HBNr. 10/190956  
LOM DE 09 52999351  
Born 01.10.2017

aAa 423651

GS HENDORF

HUTERA

RICO

HABA

WALDBRAND

HUMGO

GS RUMGO

Fitness

Udder

Protein %



A1A1

AB

Genomic

Total merit index (Proof: August 2019)

**gGZW 134** 63%

Milk performance

**MW 121** 68%

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

|      |       |     |       |     |
|------|-------|-----|-------|-----|
| +685 | -0,05 | +24 | +0,11 | +33 |
|------|-------|-----|-------|-----|

Beef performance

**FW 110** 68%

|                |                    |          |
|----------------|--------------------|----------|
| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|

|     |     |    |
|-----|-----|----|
| 101 | 120 | 98 |
|-----|-----|----|

Functional traits

**FIT 120** 66%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 113 | 108 | 111  | 119 | 122              | 106              | 110  | 113 | 59%         |



HABA - Dam of Hennessy

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124   | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-------|--------------|
| Frame                  | 105   |            |    |    | █   |     |       |              |
| Muscling               | 90    |            |    |    | █   |     |       |              |
| Feet & Legs            | 112   |            |    |    | █   | █   |       |              |
| Udder                  | 118   |            |    |    | █   | █   |       |              |
| Height at cross        | 107   | small      |    |    |     |     | large |              |
| Body length            | 105   | short      |    |    |     |     | long  |              |
| Rump width             | 104   | narrow     |    |    |     |     | wide  |              |
| Body depth             | 100   | shallow    |    |    |     |     | deep  |              |
| Rump angle             | 101   | ascending  |    |    | █   |     |       | sloped       |
| Hock angularity        | 95    | straight   |    |    | █   |     |       | sickled      |
| Hock develop.          | 113   | swollen    |    |    | █   |     |       | dry          |
| Pasterns               | 105   | weak       |    |    | █   |     |       | strong       |
| Foot angle             | 110   | low angles |    |    | █   |     |       | steep angles |
| Fore udder length      | 100   | short      |    |    | █   |     |       | long         |
| Rear udder length      | 103   | short      |    |    | █   |     |       | long         |
| Fore udder attachment  | 115   | loose      |    |    | █   |     |       | tight        |
| Susp. ligament         | 101   | weak       |    |    | █   |     |       | strong       |
| Udder depth            | 112   | deep       |    |    | █   |     |       | high         |
| Teat length            | 85    | short      |    |    | █   |     |       | long         |
| Teat thickness         | 97    | thin       |    |    | █   |     |       | thick        |
| Teat placement (front) | 108   | wide       |    |    | █   |     |       | close        |
| Teat placement (rear)  | 105   | wide       |    |    | █   |     |       | close        |
| Teat direction (rear)  | 114   | outwards   |    |    | █   |     |       | inwards      |
| Udder cleanness        | 105   | add. teats |    |    | █   |     |       | clean udder  |



# WILKINS

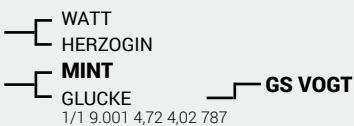
HBNr. 10/190839  
LOM DE 09 52479484  
Born 17.03.2017

aAa 534162

## GS WATTING

GARBO

1/100 3.885 3,89 3,14 273



### Udder

### Dual purpose

### Milking speed



A1A2

AB

Genomic

Total merit index (Proof: August 2019)

**gGZW 134** 64%

#### Milk performance

**MW 119** 68%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +909    | -0,18 | +22    | -0,01   | +31      |

#### Beef performance

**FW 118** 68%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 118            | 114                | 110      |

#### Functional traits

**FIT 116** 66%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 129 | 108 | 104  | 119 | 105              | 99               | 104  | 105 | 59%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-------|-----|-----|--------------|
| Frame                  | 109   |            |    |    | □     | ■■■ |     |              |
| Muscling               | 109   |            |    |    | ■■■   |     |     |              |
| Feet & Legs            | 106   |            |    |    | ■■■   |     |     |              |
| Udder                  | 122   |            |    |    | ■■■■■ |     |     |              |
| Height at cross        | 107   | small      |    |    | ■■■   |     |     | large        |
| Body length            | 110   | short      |    |    | ■■■   |     |     | long         |
| Rump width             | 110   | narrow     |    |    | ■■■   |     |     | wide         |
| Body depth             | 103   | shallow    |    |    | ■■■   |     |     | deep         |
| Rump angle             | 109   | ascending  |    |    | ■■■   |     |     | sloped       |
| Hock angularity        | 95    | straight   |    |    | ■■■   |     |     | sickled      |
| Hock develop.          | 98    | swollen    |    |    | ■■■   |     |     | dry          |
| Pasterns               | 98    | weak       |    |    | ■■■   |     |     | strong       |
| Foot angle             | 108   | low angles |    |    | ■■■   |     |     | steep angles |
| Fore udder length      | 105   | short      |    |    | ■■■   |     |     | long         |
| Rear udder length      | 103   | short      |    |    | ■■■   |     |     | long         |
| Fore udder attachment  | 109   | loose      |    |    | ■■■   |     |     | tight        |
| Susp. ligament         | 113   | weak       |    |    | ■■■   |     |     | strong       |
| Udder depth            | 117   | deep       |    |    | ■■■■■ |     |     | high         |
| Teat length            | 93    | short      |    |    | ■■■   |     |     | long         |
| Teat thickness         | 95    | thin       |    |    | ■■■   |     |     | thick        |
| Teat placement (front) | 122   | wide       |    |    | ■■■■■ |     |     | close        |
| Teat placement (rear)  | 117   | wide       |    |    | ■■■■■ |     |     | close        |
| Teat direction (rear)  | 104   | outwards   |    |    | ■■■   |     |     | inwards      |
| Udder cleanliness      | 98    | add. teats |    |    | ■■■   |     |     | clean udder  |

# HARVEY

HBNr. 10/427062  
LOM DE 08 16844477  
Born 07.08.2017

## HERZSCHLAG

MONI

1/1 10.069 3.43 3.44 691

HUTERA

LEONIE

HURRICAN

MARLENE

6/6 9.045 4.14 3.45 686

SALMLE

Wolfgang Schubert

### Milk

### Udder

### Udder health



A2A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 133** 67%

#### Milk performance

**MW 138** 72%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1324   | +0,11 | +65    | -0,04   | +43      |

#### Beef performance

**FW 119** 66%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 132            | 107                | 111      |

#### Functional traits

**FIT 92** 70%

| MS  | SCC | Pers | PL | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|----|------------------|------------------|------|-----|-------------|
| 106 | 112 | 101  | 97 | 104              | 101              | 81   | 93  | 58%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112 | 124 | Trend       |
|------------------------|-------|------------|----|----|-------|-----|-----|-------------|
| Frame                  | 113   |            |    |    | □     | ■■■ |     |             |
| Muscling               | 102   |            |    |    | ■■■   |     |     | large       |
| Feet & Legs            | 100   |            |    |    | ■■■   |     |     | long        |
| Udder                  | 125   |            |    |    | ■■■■■ |     |     | wide        |
| Height at cross        | 111   | small      |    |    | ■■■   |     |     | deep        |
| Body length            | 113   | short      |    |    | ■■■   |     |     | sloped      |
| Rump width             | 110   | narrow     |    |    | ■■■   |     |     | sickled     |
| Body depth             | 113   | shallow    |    |    | ■■■   |     |     | dry         |
| Rump angle             | 94    | ascending  |    |    | ■■■   | □   |     | strong      |
| Hock angularity        | 88    | straight   |    |    | ■■■   |     |     | steep       |
| Hock develop.          | 82    | swollen    |    |    | ■■■   |     |     | inwards     |
| Pasterns               | 107   | weak       |    |    | ■■■   |     |     | outwards    |
| Foot angle             | 114   | low angles |    |    | ■■■   |     |     | clean udder |
| Fore udder length      | 116   | short      |    |    | ■■■   |     |     | add. teats  |
| Rear udder length      | 105   | short      |    |    | ■■■   |     |     | clean udder |
| Fore udder attachment  | 113   | loose      |    |    | ■■■   |     |     | clean udder |
| Susp. ligament         | 108   | weak       |    |    | ■■■   |     |     | clean udder |
| Udder depth            | 108   | deep       |    |    | ■■■■■ |     |     | clean udder |
| Teat length            | 102   | short      |    |    | ■■■   |     |     | clean udder |
| Teat thickness         | 103   | thin       |    |    | ■■■   |     |     | clean udder |
| Teat placement (front) | 111   | wide       |    |    | ■■■■■ |     |     | clean udder |
| Teat placement (rear)  | 104   | wide       |    |    | ■■■■■ |     |     | clean udder |
| Teat direction (rear)  | 117   | outwards   |    |    | ■■■   |     |     | clean udder |
| Teat direction (front) | 104   | inwards    |    |    | ■■■   |     |     | clean udder |
| Udder cleanliness      | 105   | add. teats |    |    | ■■■   |     |     | clean udder |

# HERZMUND

HBNr. 10/427086  
LOM DE 08 16975985  
Born 23.05.2018



Milk

Fitness

Longevity



A2A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 133** 59%

Milk performance

**MW 126** 65%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1011   | +0,04 | +45    | -0,08   | +28      |

Beef performance

**FW 105** 58%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 102            | 103                | 107      |

Functional traits

**FIT 120** 63%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 105 | 102 | 111  | 117 | 109              | 105              | 121  | 110 | 54%         |



## LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 108   |            |    |    | □   | █   |     |              |
| Muscling               | 98    |            |    |    | █   |     |     |              |
| Feet & Legs            | 108   |            |    |    | █   |     |     |              |
| Udder                  | 114   |            |    |    | █   | █   |     |              |
| Height at cross        | 111   | small      |    |    | █   |     |     | large        |
| Body length            | 105   | short      |    |    | █   |     |     | long         |
| Rump width             | 99    | narrow     |    |    | █   |     |     | wide         |
| Body depth             | 102   | shallow    |    |    | █   |     |     | deep         |
| Rump angle             | 107   | ascending  |    |    | █   |     |     | sloped       |
| Hock angularity        | 102   | straight   |    |    | █   |     |     | sickled      |
| Hock develop.          | 112   | swollen    |    |    | █   |     |     | dry          |
| Pasterns               | 104   | weak       |    |    | █   |     |     | strong       |
| Foot angle             | 101   | low angles |    |    | █   |     |     | steep angles |
| Fore udder length      | 113   | short      |    |    | █   |     |     | long         |
| Rear udder length      | 115   | short      |    |    | █   |     |     | long         |
| Fore udder attachment  | 104   | loose      |    |    | █   |     |     | tight        |
| Susp. ligament         | 113   | weak       |    |    | █   |     |     | strong       |
| Udder depth            | 97    | deep       |    |    | █   |     |     | high         |
| Teat length            | 95    | short      |    |    | █   |     |     | long         |
| Teat thickness         | 96    | thin       |    |    | █   |     |     | thick        |
| Teat placement (front) | 109   | wide       |    |    | █   |     |     | close        |
| Teat placement (rear)  | 105   | wide       |    |    | █   |     |     | close        |
| Teat direction (rear)  | 106   | outwards   |    |    | █   |     |     | inwards      |
| Udder cleanliness      | 101   | add. teats |    |    |     |     |     | clean udder  |

# IMPERATIV

HBNr. 10/193800  
LOM DE 09 51041694  
Born 08.07.2015

aAa 423615

IMPRESSION

— IMPOSUM

— VRONI

URKE

3/3 10.256 4,10 3,70 799

— WILLE

— URLI

5/4 11.982 3,80 3,53 879

Feet & Legs

Udder

Components



A1A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 133** 73%

Milk performance

**MW 126** 74%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +692    | +0,15 | +41    | +0,11   | +33      |

Beef performance

**FW 112** 93%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 107            | 110                | 110      |

Functional traits

**FIT 112** 75%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 110 | 96  | 105  | 116 | 117              | 99               | 105  | 114 | 98%         |



URKE - Dam of Imperativ 2nd lactation

## LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 99    |            |    |    | □   |     |     |              |
| Muscling               | 99    |            |    |    | █   |     |     |              |
| Feet & Legs            | 122   |            |    |    | █   | █   |     |              |
| Udder                  | 121   |            |    |    | █   | █   |     |              |
| Height at cross        | 99    | small      |    |    | █   |     |     | large        |
| Body length            | 99    | short      |    |    | █   |     |     | long         |
| Rump width             | 91    | narrow     |    |    | █   |     |     | wide         |
| Body depth             | 100   | shallow    |    |    | █   |     |     | deep         |
| Rump angle             | 101   | ascending  |    |    | █   |     |     | sloped       |
| Hock angularity        | 96    | straight   |    |    | █   |     |     | sickled      |
| Hock develop.          | 111   | swollen    |    |    | █   |     |     | dry          |
| Pasterns               | 111   | weak       |    |    | █   |     |     | strong       |
| Foot angle             | 112   | low angles |    |    | █   |     |     | steep angles |
| Fore udder length      | 103   | short      |    |    | █   |     |     | long         |
| Rear udder length      | 101   | short      |    |    | █   |     |     | long         |
| Fore udder attachment  | 120   | loose      |    |    | █   |     |     | tight        |
| Susp. ligament         | 109   | weak       |    |    | █   |     |     | strong       |
| Udder depth            | 111   | deep       |    |    | █   |     |     | high         |
| Teat length            | 94    | short      |    |    | █   |     |     | long         |
| Teat thickness         | 107   | thin       |    |    | █   |     |     | thick        |
| Teat placement (front) | 106   | wide       |    |    | █   |     |     | close        |
| Teat placement (rear)  | 97    | wide       |    |    | █   |     |     | close        |
| Teat direction (rear)  | 106   | outwards   |    |    | █   |     |     | inwards      |
| Udder cleanliness      | 99    | add. teats |    |    | █   |     |     | clean udder  |



# HILLOCK

HBNr. 10/862610  
LOM DE 09 53290891  
Born 16.04.2018

**HUTILL**      └── HUTERA  
DAGGI      └── WELLE  
              └── **GOLGOTA PS**      └── **HUPSOL**  
3/2 8.374 3,83 3,68 629      552      4/4 9.654 3,51 3,65 691

Milk

Udder

Fitness



A1A2

BB

Genomic

Total merit index (Proof: August 2019)

**gGZW 133** 63%

Milk performance

**MW 123** 69%

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

|      |       |     |       |     |
|------|-------|-----|-------|-----|
| +830 | +0,02 | +36 | ±0,00 | +29 |
|------|-------|-----|-------|-----|

Beef performance

**FW 109** 64%

|                |                    |          |
|----------------|--------------------|----------|
| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|

|     |     |     |
|-----|-----|-----|
| 108 | 113 | 101 |
|-----|-----|-----|

Functional traits

**FIT 118** 66%

|    |     |      |    |                  |     |      |     |             |
|----|-----|------|----|------------------|-----|------|-----|-------------|
| MS | SCC | Pers | PL | Calving ease pat | mat | Fert | VIT | Reliability |
|----|-----|------|----|------------------|-----|------|-----|-------------|

|     |     |     |     |    |     |     |    |     |
|-----|-----|-----|-----|----|-----|-----|----|-----|
| 102 | 115 | 116 | 119 | 96 | 115 | 103 | 96 | 60% |
|-----|-----|-----|-----|----|-----|-----|----|-----|



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88    | 100   | 112   | 124 | Trend        |
|------------------------|-------|------------|----|-------|-------|-------|-----|--------------|
| Frame                  | 110   |            |    |       | ■     | ■     |     |              |
| Muscling               | 97    |            |    |       | ■     | ■     |     |              |
| Feet & Legs            | 103   |            |    |       | ■     | ■     |     |              |
| Udder                  | 123   |            |    |       | ■■■■■ | ■■■■■ |     |              |
| Height at cross        | 115   | small      |    |       | ■■■■■ | ■■■■■ |     | large        |
| Body length            | 111   | short      |    |       | ■■■■■ | ■■■■■ |     | long         |
| Rump width             | 101   | narrow     |    |       | ■■■■■ | ■■■■■ |     | wide         |
| Body depth             | 95    | shallow    |    |       | ■■■■■ | ■■■■■ |     | deep         |
| Rump angle             | 102   | ascending  |    | ■■    | ■■■■■ | ■■■■■ |     | sloped       |
| Hock angularity        | 101   | straight   |    | ■■■■■ | ■■■■■ | ■■■■■ |     | sickled      |
| Hock develop.          | 99    | swollen    |    | ■■■■■ | ■■■■■ | ■■■■■ |     | dry          |
| Pasterns               | 104   | weak       |    | ■■■■■ | ■■■■■ | ■■■■■ |     | strong       |
| Foot angle             | 104   | low angles |    | ■■■■■ | ■■■■■ | ■■■■■ |     | steep angles |
| Fore udder length      | 104   | short      |    |       | ■■■■■ | ■■■■■ |     | long         |
| Rear udder length      | 107   | short      |    |       | ■■■■■ | ■■■■■ |     | long         |
| Fore udder attachment  | 111   | loose      |    |       | ■■■■■ | ■■■■■ |     | tight        |
| Susp. ligament         | 112   | weak       |    |       | ■■■■■ | ■■■■■ |     | strong       |
| Udder depth            | 116   | deep       |    |       | ■■■■■ | ■■■■■ |     | high         |
| Teat length            | 95    | short      |    | ■■■■■ | ■■■■■ | ■■■■■ |     | long         |
| Teat thickness         | 106   | thin       |    | ■■■■■ | ■■■■■ | ■■■■■ |     | thick        |
| Teat placement (front) | 114   | wide       |    | ■■■■■ | ■■■■■ | ■■■■■ |     | close        |
| Teat placement (rear)  | 106   | wide       |    | ■■■■■ | ■■■■■ | ■■■■■ |     | close        |
| Teat direction (rear)  | 122   | outwards   |    | ■■■■■ | ■■■■■ | ■■■■■ |     | inwards      |
| Udder cleanliness      | 102   | add. teats |    | ■■■■■ | ■■■■■ | ■■■■■ |     | clean udder  |

# HOKUSPOKUS

HBNr. 10/857432  
LOM DE 09 51718913  
Born 26.05.2016

**HURLY**      └── HULKOR  
NELLE      └── AFRA  
              └── **NARR**      └── NELLI      └── **ZAHNER**  
5/5 9.298 4,15 3,59 720      5/5 6.129 4,92 3,87 539

Milk

Fitness

Udder



A2A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 133** 69%

Milk performance

**MW 123** 73%

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

|      |       |     |       |     |
|------|-------|-----|-------|-----|
| +842 | -0,03 | +32 | +0,04 | +33 |
|------|-------|-----|-------|-----|

Beef performance

**FW 112** 68%

|                |                    |          |
|----------------|--------------------|----------|
| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|

|     |     |     |
|-----|-----|-----|
| 111 | 109 | 107 |
|-----|-----|-----|

Functional traits

**FIT 115** 72%

|    |     |      |    |                  |     |      |     |             |
|----|-----|------|----|------------------|-----|------|-----|-------------|
| MS | SCC | Pers | PL | Calving ease pat | mat | Fert | VIT | Reliability |
|----|-----|------|----|------------------|-----|------|-----|-------------|

|     |    |     |     |     |     |     |     |     |
|-----|----|-----|-----|-----|-----|-----|-----|-----|
| 112 | 96 | 115 | 111 | 115 | 106 | 115 | 108 | 82% |
|-----|----|-----|-----|-----|-----|-----|-----|-----|



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88    | 100   | 112   | 124 | Trend        |
|------------------------|-------|------------|----|-------|-------|-------|-----|--------------|
| Frame                  | 113   |            |    |       | ■     | ■     |     |              |
| Muscling               | 92    |            |    |       | ■     | ■     |     |              |
| Feet & Legs            | 106   |            |    |       | ■     | ■     |     |              |
| Udder                  | 117   |            |    |       | ■■■■■ | ■■■■■ |     |              |
| Height at cross        | 116   | small      |    |       | ■■■■■ | ■■■■■ |     | large        |
| Body length            | 107   | short      |    |       | ■■■■■ | ■■■■■ |     | long         |
| Rump width             | 105   | narrow     |    |       | ■■■■■ | ■■■■■ |     | wide         |
| Body depth             | 109   | shallow    |    |       | ■■■■■ | ■■■■■ |     | deep         |
| Rump angle             | 90    | ascending  |    | ■■    | ■■■■■ | ■■■■■ |     | sloped       |
| Hock angularity        | 104   | straight   |    | ■■■■■ | ■■■■■ | ■■■■■ |     | sickled      |
| Hock develop.          | 106   | swollen    |    | ■■■■■ | ■■■■■ | ■■■■■ |     | dry          |
| Pasterns               | 107   | weak       |    | ■■■■■ | ■■■■■ | ■■■■■ |     | strong       |
| Foot angle             | 108   | low angles |    | ■■■■■ | ■■■■■ | ■■■■■ |     | steep angles |
| Fore udder length      | 110   | short      |    |       | ■■■■■ | ■■■■■ |     | long         |
| Rear udder length      | 104   | short      |    |       | ■■■■■ | ■■■■■ |     | long         |
| Fore udder attachment  | 113   | loose      |    |       | ■■■■■ | ■■■■■ |     | tight        |
| Susp. ligament         | 101   | weak       |    |       | ■■■■■ | ■■■■■ |     | strong       |
| Udder depth            | 109   | deep       |    |       | ■■■■■ | ■■■■■ |     | high         |
| Teat length            | 99    | short      |    | ■■■■■ | ■■■■■ | ■■■■■ |     | long         |
| Teat thickness         | 100   | thin       |    | ■■■■■ | ■■■■■ | ■■■■■ |     | thick        |
| Teat placement (front) | 115   | wide       |    | ■■■■■ | ■■■■■ | ■■■■■ |     | close        |
| Teat placement (rear)  | 94    | wide       |    | ■■■■■ | ■■■■■ | ■■■■■ |     | close        |
| Teat direction (rear)  | 99    | outwards   |    | ■■■■■ | ■■■■■ | ■■■■■ |     | inwards      |
| Udder cleanliness      | 100   | add. teats |    | ■■■■■ | ■■■■■ | ■■■■■ |     | clean udder  |

# HERZAU

HBNr. 10/427054  
LOM DE 08 16772010  
Born 07.03.2017



## Milk Udder Milking speed



A1A2  
AB  
**Genomic**

Total merit index (Proof: August 2019) **gGZW 132** 69%

### Milk performance

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +1382   | +0,04 | +61    | -0,03   | +46     |

### Beef performance

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 118            | 95                 | 106     |

### Functional traits

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 121 | 92  | 101  | 103 | 104              | 102              | 94   | 99  | 75%         |



FLORENZ - Dam of Herzau

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-------|-----|-----|--------------|
| Frame                  | 102   |            |    |    | ■     |     |     |              |
| Muscling               | 97    |            |    |    | ■     |     |     |              |
| Feet & Legs            | 109   |            |    |    | ■     |     |     |              |
| Udder                  | 127   |            |    |    | ■■■■■ |     |     |              |
| Height at cross        | 101   | small      |    |    |       |     |     | large        |
| Body length            | 104   | short      |    |    | ■     |     |     | long         |
| Rump width             | 108   | narrow     |    |    | ■     |     |     | wide         |
| Body depth             | 104   | shallow    |    |    | ■     |     |     | deep         |
| Rump angle             | 94    | ascending  |    |    | ■     |     |     | sloped       |
| Hock angularity        | 99    | straight   |    |    | □     |     |     | sickled      |
| Hock develop.          | 104   | swollen    |    |    | ■     |     |     | dry          |
| Pasterns               | 108   | weak       |    |    | ■     |     |     | strong       |
| Foot angle             | 110   | low angles |    |    | ■     |     |     | steep angles |
| Fore udder length      | 120   | short      |    |    | ■■■■■ |     |     | long         |
| Rear udder length      | 115   | short      |    |    | ■■■■■ |     |     | long         |
| Fore udder attachment  | 110   | loose      |    |    | ■■■■■ |     |     | tight        |
| Susp. ligament         | 110   | weak       |    |    | ■■■■■ |     |     | strong       |
| Udder depth            | 103   | deep       |    |    | ■     |     |     | high         |
| Teat length            | 91    | short      |    |    | ■     |     |     | long         |
| Teat thickness         | 98    | thin       |    |    | ■     |     |     | thick        |
| Teat placement (front) | 119   | wide       |    |    | ■■■■■ |     |     | close        |
| Teat placement (rear)  | 115   | wide       |    |    | ■■■■■ |     |     | close        |
| Teat direction (rear)  | 119   | outwards   |    |    | ■■■■■ |     |     | inwards      |
| Udder cleanness        | 105   | add. teats |    |    | ■     |     |     | clean udder  |

# EUROPA

HBNr. 10/858342  
LOM DE 09 53686913  
Born 01.06.2018



## Udder Milk Fitness



A1A2  
AB

**Genomic**

Total merit index (Proof: August 2019) **gGZW 132** 63%

### Milk performance

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +1061   | -0,15 | +32    | -0,04   | +34     |

### Beef performance

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 120            | 100                | 106     |

### Functional traits

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 101 | 112 | 92   | 113 | 104              | 110              | 108  | 110 | 60%         |



INJANA - Half sister to Europa

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-------|-----|-----|--------------|
| Frame                  | 109   |            |    |    | ■     |     |     |              |
| Muscling               | 105   |            |    |    | ■     |     |     |              |
| Feet & Legs            | 106   |            |    |    | ■     |     |     |              |
| Udder                  | 124   |            |    |    | ■■■■■ |     |     |              |
| Height at cross        | 106   | small      |    |    |       |     |     | large        |
| Body length            | 107   | short      |    |    | ■     |     |     | long         |
| Rump width             | 113   | narrow     |    |    | ■     |     |     | wide         |
| Body depth             | 107   | shallow    |    |    | ■     |     |     | deep         |
| Rump angle             | 98    | ascending  |    |    | ■     |     |     | sloped       |
| Hock angularity        | 103   | straight   |    |    | □     |     |     | sickled      |
| Hock develop.          | 104   | swollen    |    |    | ■     |     |     | dry          |
| Pasterns               | 108   | weak       |    |    | ■     |     |     | strong       |
| Foot angle             | 108   | low angles |    |    | ■     |     |     | steep angles |
| Fore udder length      | 108   | short      |    |    | ■■■■■ |     |     | long         |
| Rear udder length      | 109   | short      |    |    | ■■■■■ |     |     | long         |
| Fore udder attachment  | 107   | loose      |    |    | ■■■■■ |     |     | tight        |
| Susp. ligament         | 115   | weak       |    |    | ■■■■■ |     |     | strong       |
| Udder depth            | 111   | deep       |    |    | ■■■■■ |     |     | high         |
| Teat length            | 91    | short      |    |    | ■     |     |     | long         |
| Teat thickness         | 92    | thin       |    |    | ■     |     |     | thick        |
| Teat placement (front) | 121   | wide       |    |    | ■■■■■ |     |     | close        |
| Teat placement (rear)  | 112   | wide       |    |    | ■■■■■ |     |     | close        |
| Teat direction (rear)  | 121   | outwards   |    |    | ■■■■■ |     |     | inwards      |
| Udder cleanness        | 104   | add. teats |    |    | ■     |     |     | clean udder  |

# EISSTERN

HBNr. 10/871190  
LOM DE 09 54058287  
Born 23.05.2018

**EVERGREEN** └── EVEREST  
SALLY  
**13642** └── **WILDSTERN** └── **ZAUBER**  
1/280 8.561 3,99 3,33 628 44605 1/296 6.992 4,59 3,63 575

Milk

Udder

Fitness



A1A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 132** 70%

Milk performance

**MW 121** 75%

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

|      |       |     |       |     |
|------|-------|-----|-------|-----|
| +801 | -0,02 | +32 | ±0,00 | +28 |
|------|-------|-----|-------|-----|

Beef performance

**FW 106** 69%

|                |                    |          |
|----------------|--------------------|----------|
| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|

|     |     |     |
|-----|-----|-----|
| 108 | 106 | 101 |
|-----|-----|-----|

Functional traits

**FIT 120** 74%

|    |     |      |    |                  |     |      |     |             |
|----|-----|------|----|------------------|-----|------|-----|-------------|
| MS | SCC | Pers | PL | Calving ease pat | mat | Fert | VIT | Reliability |
|----|-----|------|----|------------------|-----|------|-----|-------------|

|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 102 | 108 | 123 | 119 | 109 | 107 | 115 | 100 | 62% |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 95    |            |    |    | █   | █   |     |              |
| Muscling               | 102   |            |    |    | █   | █   |     |              |
| Feet & Legs            | 107   |            |    |    | █   | █   |     |              |
| Udder                  | 120   |            |    |    | █   | █   |     |              |
| Height at cross        | 91    | small      |    |    | █   |     |     | large        |
| Body length            | 96    | short      |    |    | █   |     |     | long         |
| Rump width             | 104   | narrow     |    |    | █   |     |     | wide         |
| Body depth             | 104   | shallow    |    |    | █   |     |     | deep         |
| Rump angle             | 97    | ascending  |    |    | █   | █   |     | sloped       |
| Hock angularity        | 93    | straight   |    |    | █   | █   |     | sickled      |
| Hock develop.          | 92    | swollen    |    |    | █   | █   |     | dry          |
| Pasterns               | 109   | weak       |    |    | █   | █   |     | strong       |
| Foot angle             | 106   | low angles |    |    | █   | █   |     | steep angles |
| Fore udder length      | 106   | short      |    |    | █   | █   |     | long         |
| Rear udder length      | 111   | short      |    |    | █   | █   |     | long         |
| Fore udder attachment  | 118   | loose      |    |    | █   | █   |     | tight        |
| Susp. ligament         | 104   | weak       |    |    | █   | █   |     | strong       |
| Udder depth            | 105   | deep       |    |    | █   | █   |     | high         |
| Teat length            | 96    | short      |    |    | █   | █   |     | long         |
| Teat thickness         | 96    | thin       |    |    | █   | █   |     | thick        |
| Teat placement (front) | 108   | wide       |    |    | █   | █   |     | close        |
| Teat placement (rear)  | 101   | wide       |    |    | █   | █   |     | close        |
| Teat direction (rear)  | 105   | outwards   |    |    | █   | █   |     | inwards      |
| Udder cleanliness      | 100   | add. teats |    |    | █   | █   |     | clean udder  |

# ELEVATION

aAa 564132

**ETOSCHA**

└── EVEREST

└── MINA

**LIVITA** └── **GS PANDORA**

2/2 11.345 3,36 3,24 749

HBNr. 10/862300

LOM DE 09 52073377

Born 24.02.2017

Milk

Type

Fitness



A1A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 132** 65%

Milk performance

**MW 117** 70%

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

|       |       |     |       |     |
|-------|-------|-----|-------|-----|
| +1035 | -0,27 | +20 | -0,10 | +28 |
|-------|-------|-----|-------|-----|

Beef performance

**FW 110** 67%

|                |                    |          |
|----------------|--------------------|----------|
| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|

|     |     |     |
|-----|-----|-----|
| 118 | 104 | 106 |
|-----|-----|-----|

Functional traits

**FIT 123** 67%

|    |     |      |    |                  |     |      |     |             |
|----|-----|------|----|------------------|-----|------|-----|-------------|
| MS | SCC | Pers | PL | Calving ease pat | mat | Fert | VIT | Reliability |
|----|-----|------|----|------------------|-----|------|-----|-------------|

|    |     |     |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 99 | 123 | 105 | 119 | 100 | 112 | 110 | 110 | 64% |
|----|-----|-----|-----|-----|-----|-----|-----|-----|



LIVITA - Dam of Elevation

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 116   |            |    |    | █   | █   |     |              |
| Muscling               | 106   |            |    |    | █   | █   |     |              |
| Feet & Legs            | 112   |            |    |    | █   | █   |     |              |
| Udder                  | 128   |            |    |    | █   | █   |     |              |
| Height at cross        | 117   | small      |    |    | █   | █   |     | large        |
| Body length            | 115   | short      |    |    | █   | █   |     | long         |
| Rump width             | 106   | narrow     |    |    | █   | █   |     | wide         |
| Body depth             | 111   | shallow    |    |    | █   | █   |     | deep         |
| Rump angle             | 104   | ascending  |    |    | █   | █   |     | sloped       |
| Hock angularity        | 102   | straight   |    |    | █   | █   |     | sickled      |
| Hock develop.          | 101   | swollen    |    |    | █   | █   |     | dry          |
| Pasterns               | 112   | weak       |    |    | █   | █   |     | strong       |
| Foot angle             | 118   | low angles |    |    | █   | █   |     | steep angles |
| Fore udder length      | 112   | short      |    |    | █   | █   |     | long         |
| Rear udder length      | 99    | short      |    |    | █   | █   |     | long         |
| Fore udder attachment  | 104   | loose      |    |    | █   | █   |     | tight        |
| Susp. ligament         | 112   | weak       |    |    | █   | █   |     | strong       |
| Udder depth            | 112   | deep       |    |    | █   | █   |     | high         |
| Teat length            | 83    | short      |    |    | █   | █   |     | long         |
| Teat thickness         | 102   | thin       |    |    | █   | █   |     | thick        |
| Teat placement (front) | 127   | wide       |    |    | █   | █   |     | close        |
| Teat placement (rear)  | 113   | wide       |    |    | █   | █   |     | close        |
| Teat direction (rear)  | 124   | outwards   |    |    | █   | █   |     | inwards      |
| Udder cleanliness      | 107   | add. teats |    |    | █   | █   |     | clean udder  |

# GIORGIO

HBNr. 10/427075  
LOM DE 08 16878254  
Born 30.01.2018



## Dual purpose

## Udder

## Milking speed



A2A2

AB

Genomic

Total merit index (Proof: August 2019)

**gGZW 131** 62%

### Milk performance

**MW 125** 67%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +852    | +0,04 | +39    | +0,01   | +31      |

### Beef performance

**FW 111** 66%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 124            | 106                | 101      |

### Functional traits

**FIT 109** 65%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 118 | 109 | 110  | 112 | 96               | 102              | 97   | 101 | 57%         |



BENITA - Dam of Giorgio

### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 106   |            |    |    | ■   | ■   |     |              |
| Muscling               | 98    |            |    |    | ■   | ■   |     |              |
| Feet & Legs            | 105   |            |    |    | ■   | ■   |     |              |
| Udder                  | 121   |            |    |    | ■   | ■   | ■   |              |
| Height at cross        | 107   | small      |    |    | ■   | ■   |     | large        |
| Body length            | 105   | short      |    |    | ■   | ■   |     | long         |
| Rump width             | 101   | narrow     |    |    | ■   | ■   |     | wide         |
| Body depth             | 106   | shallow    |    |    | ■   | ■   |     | deep         |
| Rump angle             | 92    | ascending  |    |    | ■   | □   |     | sloped       |
| Hock angularity        | 86    | straight   |    |    | ■   | ■   |     | sickled      |
| Hock develop.          | 97    | swollen    |    |    | ■   | ■   |     | dry          |
| Pasterns               | 104   | weak       |    |    | ■   | ■   |     | strong       |
| Foot angle             | 101   | low angles |    |    | ■   | ■   |     | steep angles |
| Fore udder length      | 107   | short      |    |    | ■   | ■   |     | long         |
| Rear udder length      | 109   | short      |    |    | ■   | ■   |     | long         |
| Fore udder attachment  | 108   | loose      |    |    | ■   | ■   |     | tight        |
| Susp. ligament         | 111   | weak       |    |    | ■   | ■   |     | strong       |
| Udder depth            | 108   | deep       |    |    | ■   | ■   |     | high         |
| Teat length            | 92    | short      |    |    | ■   | ■   |     | long         |
| Teat thickness         | 88    | thin       |    |    | ■   | ■   |     | thick        |
| Teat placement (front) | 114   | wide       |    |    | ■   | ■   |     | close        |
| Teat placement (rear)  | 109   | wide       |    |    | ■   | ■   |     | close        |
| Teat direction (rear)  | 119   | outwards   |    |    | ■   | ■   |     | inwards      |
| Udder cleanness        | 102   | add. teats |    |    | ■   | ■   |     | clean udder  |

# PINOLA

HBNr. 10/427077  
LOM DE 08 17027652  
Born 08.02.2018

### PERFEKT

GS PANDORA

PAM

### BOSTON

1/1 10.098 3,63 3,61 732

WABAN

5/5 8.607 4,08 3,61 662

RENEWART

## Milk

## Udder health

## Udder



A1A1

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 130** 62%

### Milk performance

**MW 134** 66%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1453   | -0,14 | +48    | -0,05   | +47      |

### Beef performance

**FW 94** 66%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 90             | 94                 | 101      |

### Functional traits

**FIT 113** 65%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 99 | 116 | 112  | 117 | 90               | 110              | 101  | 89  | 59%         |



### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 98    |            |    |    | ■   | ■   |     |              |
| Muscling               | 97    |            |    |    | ■   | ■   |     |              |
| Feet & Legs            | 108   |            |    |    | ■   | ■   |     |              |
| Udder                  | 117   |            |    |    | ■   | ■   | ■   |              |
| Height at cross        | 100   | small      |    |    | ■   | ■   |     | large        |
| Body length            | 101   | short      |    |    | ■   | ■   |     | long         |
| Rump width             | 99    | narrow     |    |    | ■   | ■   |     | wide         |
| Body depth             | 103   | shallow    |    |    | ■   | ■   |     | deep         |
| Rump angle             | 98    | ascending  |    |    | ■   | □   |     | sloped       |
| Hock angularity        | 93    | straight   |    |    | ■   | ■   |     | sickled      |
| Hock develop.          | 100   | swollen    |    |    | ■   | ■   |     | dry          |
| Pasterns               | 106   | weak       |    |    | ■   | ■   |     | strong       |
| Foot angle             | 110   | low angles |    |    | ■   | ■   |     | steep angles |
| Fore udder length      | 117   | short      |    |    | ■   | ■   |     | long         |
| Rear udder length      | 111   | short      |    |    | ■   | ■   |     | long         |
| Fore udder attachment  | 107   | loose      |    |    | ■   | ■   |     | tight        |
| Susp. ligament         | 112   | weak       |    |    | ■   | ■   |     | strong       |
| Udder depth            | 106   | deep       |    |    | ■   | ■   |     | high         |
| Teat length            | 102   | short      |    |    | ■   | ■   |     | long         |
| Teat thickness         | 101   | thin       |    |    | ■   | ■   |     | thick        |
| Teat placement (front) | 98    | wide       |    |    | ■   | ■   |     | close        |
| Teat placement (rear)  | 99    | wide       |    |    | ■   | ■   |     | close        |
| Teat direction (rear)  | 112   | outwards   |    |    | ■   | ■   |     | inwards      |
| Udder cleanness        | 101   | add. teats |    |    | ■   | ■   |     | clean udder  |



# DELTA

HBNr. 10/606461  
LOM AT 450.914.368  
Born 16.01.2018

**GS DER BESTE**

- DAX
- KALLA
- **WATZMANN**
- FILOMENA
- **GS MG**

**FLY COW**  
2/1 11.547 4,16 3,45 879

5/4 14.287 4,37 3,55 1131

Milk

Udder

Longevity



A2A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 130** 62%

Milk performance

**MW 130** 68%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1021   | +0,08 | +49    | -0,02   | +34      |

Beef performance

**FW 101** 60%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 108            | 101                | 97       |

Functional traits

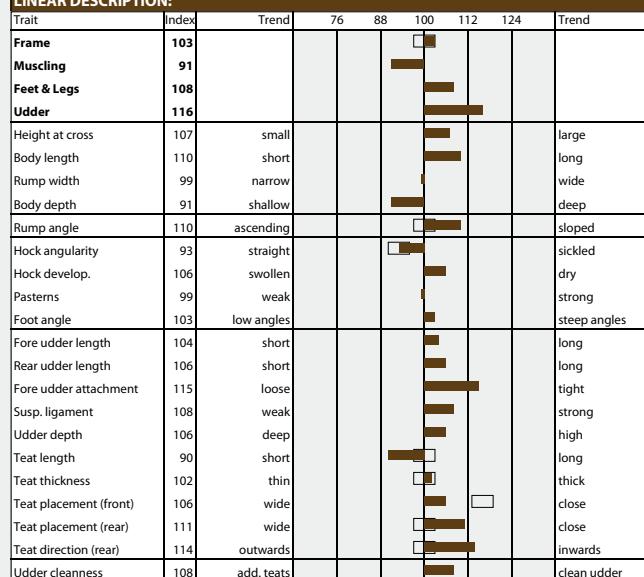
**FIT 108** 66%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 109 | 101 | 110  | 110 | 103              | 116              | 100  | 99  | 59%         |



FLYCOW · Dam of Delta

**LINEAR DESCRIPTION:**



# EMBA

EMMERICH

— EVERGREEN

— BLUSE 93

ZINEA

3/2 8.463 4,03 3,64 649

— WABAN

4/3 9.250 4,24 3,49 715

HBNr. 10/427083

LOM DE 08 16991260

Born 09.05.2018

Udder

Milk

Fitness



A2A2

AB

Genomic

Total merit index (Proof: August 2019)

**gGZW 130** 61%

Milk performance

**MW 119** 66%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +845    | -0,10 | +27    | -0,04   | +26      |

Beef performance

**FW 106** 58%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 113            | 103                | 101      |

Functional traits

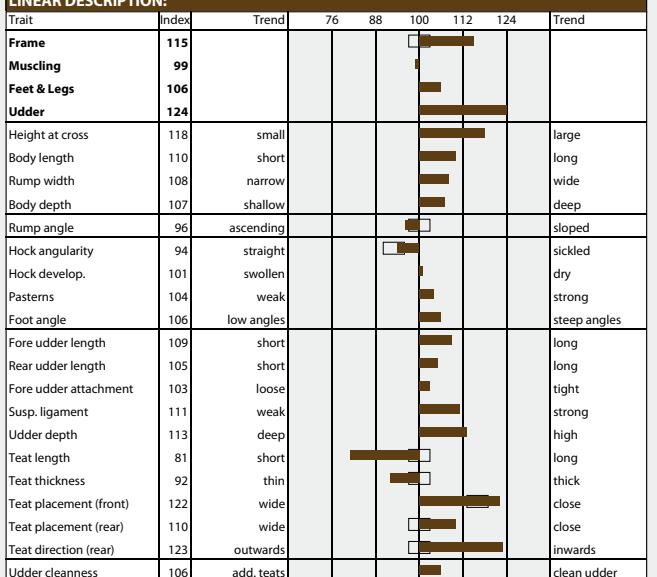
**FIT 119** 65%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 110 | 117 | 107  | 118 | 97               | 110              | 110  | 101 | 58%         |



**LINEAR DESCRIPTION:**

**LINEAR DESCRIPTION:**



# HEIMAT

HBNr. 10/854184  
LOM DE 09 53394439  
Born 19.11.2017

**GS HENDORF** — HUTERA  
DYLAN — RICO  
PAZIFIK — DARIA — POLARBAER  
1/1 7.607 3.88 3.62 570 3/3 8.184 4.23 3.70 649

## Udder

## Fitness

## Milk



A2A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 130** 61%

### Milk performance

**MW 119** 66%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +917    | -0,14 | +27    | -0,07   | +26      |

### Beef performance

**FW 107** 65%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 101            | 111                | 102      |

### Functional traits

**FIT 121** 63%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 111 | 116 | 107  | 124 | 102              | 101              | 107  | 102 | 56%         |



DYLAN - Dam of Heimat

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88  | 100   | 112 | 124   | Trend        |
|------------------------|-------|------------|----|-----|-------|-----|-------|--------------|
| Frame                  | 100   |            |    |     | □     | □   |       |              |
| Muscling               | 98    |            |    |     | ■     |     |       |              |
| Feet & Legs            | 113   |            |    |     | ■■■   |     |       |              |
| Udder                  | 126   |            |    |     | ■■■■■ |     |       |              |
| Height at cross        | 98    | small      |    |     |       |     | large |              |
| Body length            | 101   | short      |    |     |       |     | long  |              |
| Rump width             | 100   | narrow     |    |     |       |     | wide  |              |
| Body depth             | 103   | shallow    |    |     | ■     |     | deep  |              |
| Rump angle             | 105   | ascending  |    |     | □     | ■   |       | sloped       |
| Hock angularity        | 109   | straight   |    | □   | ■■    |     |       | sickled      |
| Hock develop.          | 114   | swollen    |    |     | ■■■   |     |       | dry          |
| Pasterns               | 111   | weak       |    |     | ■■■   |     |       | strong       |
| Foot angle             | 111   | low angles |    |     | ■■■   |     |       | steep angles |
| Fore udder length      | 104   | short      |    |     | ■     |     |       | long         |
| Rear udder length      | 105   | short      |    |     | ■     |     |       | long         |
| Fore udder attachment  | 111   | loose      |    |     | ■■■   |     |       | tight        |
| Susp. ligament         | 113   | weak       |    |     | ■■■   |     |       | strong       |
| Udder depth            | 116   | deep       |    |     | ■■■   |     |       | high         |
| Teat length            | 81    | short      |    | ■■■ | □     |     |       | long         |
| Teat thickness         | 86    | thin       |    | ■■■ | □     |     |       | thick        |
| Teat placement (front) | 115   | wide       |    | ■■■ | ■■■   |     |       | close        |
| Teat placement (rear)  | 112   | wide       |    | ■■■ | ■■■   |     |       | close        |
| Teat direction (rear)  | 124   | outwards   |    | ■■■ | ■■■   |     |       | inwards      |
| Udder cleanness        | 105   | add. teats |    |     | ■     |     |       | clean udder  |

# REMO

HBNr. 10/868516  
LOM DE 09 53334876  
Born 02.03.2018

**REMMEL**

— RICKI  
— STEREO  
GALICIA — PEPSI  
— GANA — GS RAU  
4/4 8.588 4.03 3.51 648 7/7 7.896 4.00 3.55 596

## Udder

## Milk

## Milking speed

A1A2

AB

Genomic



Total merit index (Proof: August 2019)

**gGZW 130** 68%

### Milk performance

**MW 119** 74%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +962    | -0,20 | +23    | -0,02   | +32      |

### Beef performance

**FW 109** 67%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 119            | 109                | 97       |

### Functional traits

**FIT 111** 71%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 112 | 100 | 104  | 117 | 106              | 115              | 100  | 101 | 58%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88  | 100   | 112 | 124   | Trend        |
|------------------------|-------|------------|----|-----|-------|-----|-------|--------------|
| Frame                  | 109   |            |    |     | □     | ■   |       |              |
| Muscling               | 96    |            |    |     | ■     |     |       |              |
| Feet & Legs            | 116   |            |    |     | ■■■   |     |       |              |
| Udder                  | 127   |            |    |     | ■■■■■ |     |       |              |
| Height at cross        | 107   | small      |    |     |       |     | large |              |
| Body length            | 112   | short      |    |     |       |     | long  |              |
| Rump width             | 111   | narrow     |    |     |       |     | wide  |              |
| Body depth             | 106   | shallow    |    |     | ■     |     | deep  |              |
| Rump angle             | 97    | ascending  |    |     | □     |     |       | sloped       |
| Hock angularity        | 96    | straight   |    | □   | ■     |     |       | sickled      |
| Hock develop.          | 105   | swollen    |    |     | ■■■   |     |       | dry          |
| Pasterns               | 106   | weak       |    |     | ■■■   |     |       | strong       |
| Foot angle             | 110   | low angles |    |     | ■■■   |     |       | steep angles |
| Fore udder length      | 125   | short      |    |     |       |     |       | long         |
| Rear udder length      | 115   | short      |    |     |       |     |       | long         |
| Fore udder attachment  | 115   | loose      |    |     |       |     |       | tight        |
| Susp. ligament         | 110   | weak       |    |     |       |     |       | strong       |
| Udder depth            | 111   | deep       |    |     |       |     |       | high         |
| Teat length            | 90    | short      |    |     | ■■■   |     |       | long         |
| Teat thickness         | 101   | thin       |    | □   | ■     |     |       | thick        |
| Teat placement (front) | 121   | wide       |    | ■■■ | ■■■   |     |       | close        |
| Teat placement (rear)  | 119   | wide       |    | ■■■ | ■■■   |     |       | close        |
| Teat direction (rear)  | 114   | outwards   |    | ■■■ | ■■■   |     |       | inwards      |
| Udder cleanness        | 99    | add. teats |    |     | ■     |     |       | clean udder  |

# MIDWEST

HBNr. 10/167485  
LOM DE 09 52179738  
Born 18.10.2016

aAa 516342

**MINT**



**EVA**

3/3 9.597 4,59 3,50 776

**Udder**

**Fitness**

**Udder health**



A2A2

AB

**Genomic**

**Total merit index** (Proof: August 2019)

**gGZW 130** 71%

**Milk performance**

**MW 117** 75%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +711    | -0,06 | +24    | -0,02   | +24      |

**Beef performance**

**FW 108** 69%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 115            | 98                 | 108      |

**Functional traits**

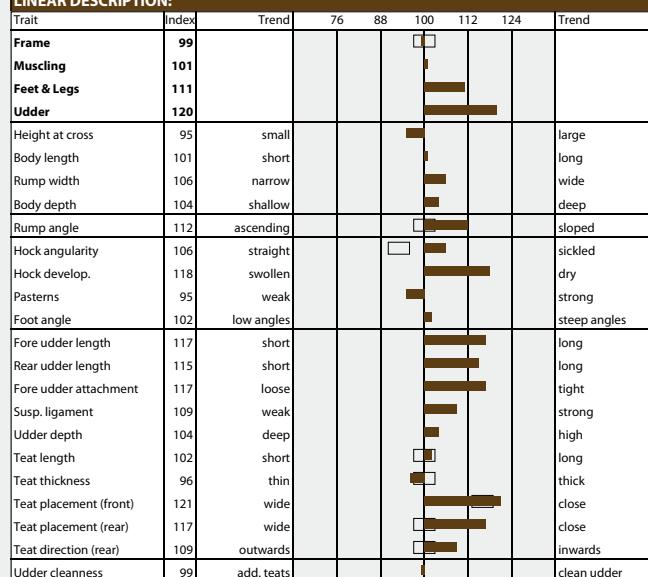
**FIT 117** 74%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 116 | 115 | 101  | 117 | 104              | 101              | 103  | 117 | 86%         |



EVA - Dam of Midwest

#### LINEAR DESCRIPTION:



# ELSANDO

HBNr. 10/606375  
LOM AT 336.642.638  
Born 08.02.2017

**ETOSCHA**



HERZOGIN  
5/4 13.130 3,85 3,71 994

REUMUT  
9/7 11.011 4,34 3,57 871

**Udder**

**Fitness**

**Beef**



A1A2

AA

**Genomic**

**Total merit index** (Proof: August 2019)

**gGZW 130** 67%

**Milk performance**

**MW 114** 74%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +711    | -0,19 | +14    | -0,01   | +24      |

**Beef performance**

**FW 119** 70%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 118            | 118                | 109      |

**Functional traits**

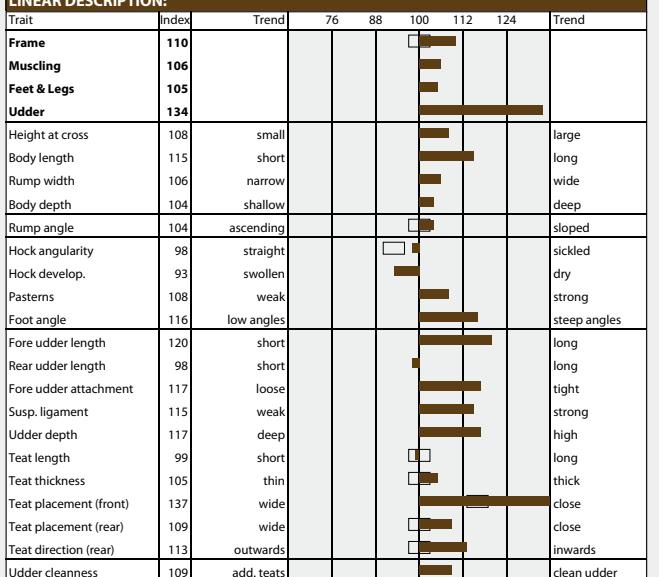
**FIT 120** 69%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 101 | 118 | 103  | 119 | 107              | 106              | 110  | 106 | 62%         |



HERZOGIN - Dam of Elsando

#### LINEAR DESCRIPTION:



# PERMANENT

HBNr. 10/606460  
LOM AT 451.413.868  
Born 10.11.2017

## PERFEKT

BEVERLYHILLS  
2/1 11.150 4,12 3,40 838



## Milk

## Udder

## Milking speed



A2A2

AB

Genomic

Total merit index (Proof: August 2019)

**gGZW 129** 61%

### Milk performance

**MW 126** 66%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +1163   | -0,15 | +36    | -0,05   | +37     |

### Beef performance

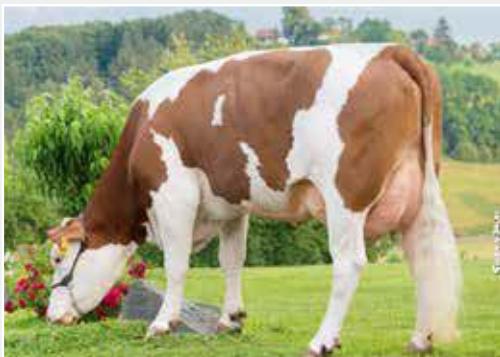
**FW 109** 65%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 112            | 99                 | 112     |

### Functional traits

**FIT 108** 64%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 118 | 98  | 103  | 111 | 105              | 101              | 104  | 101 | 58%         |



BEVERLYHILLS - Dam of Permanent

### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-------|-----|-----|--------------|
| Frame                  | 102   |            |    |    | ■     | ■   |     |              |
| Muscling               | 105   |            |    |    | ■     |     |     |              |
| Feet & Legs            | 115   |            |    |    | ■■■   |     |     |              |
| Udder                  | 127   |            |    |    | ■■■■■ |     |     |              |
| Height at cross        | 101   | small      |    |    |       |     |     | large        |
| Body length            | 107   | short      |    |    | ■     |     |     | long         |
| Rump width             | 104   | narrow     |    |    | ■     |     |     | wide         |
| Body depth             | 101   | shallow    |    |    | ■     |     |     | deep         |
| Rump angle             | 96    | ascending  |    |    | ■     |     |     | sloped       |
| Hock angularity        | 87    | straight   |    |    | ■■    |     |     | sickled      |
| Hock develop.          | 96    | swollen    |    |    | ■     |     |     | dry          |
| Pasterns               | 111   | weak       |    |    | ■■    |     |     | strong       |
| Foot angle             | 116   | low angles |    |    | ■■■   |     |     | steep angles |
| Fore udder length      | 118   | short      |    |    | ■■■   |     |     | long         |
| Rear udder length      | 107   | short      |    |    | ■■    |     |     | long         |
| Fore udder attachment  | 120   | loose      |    |    | ■■■   |     |     | tight        |
| Susp. ligament         | 109   | weak       |    |    | ■■    |     |     | strong       |
| Udder depth            | 112   | deep       |    |    | ■■■   |     |     | high         |
| Teat length            | 90    | short      |    |    | ■■    |     |     | long         |
| Teat thickness         | 92    | thin       |    |    | ■■    |     |     | thick        |
| Teat placement (front) | 112   | wide       |    |    | ■■■   |     |     | close        |
| Teat placement (rear)  | 106   | wide       |    |    | ■■■   |     |     | close        |
| Teat direction (rear)  | 126   | outwards   |    |    | ■■■■■ |     |     | inwards      |
| Udder cleanness        | 103   | add. teats |    |    | ■     |     |     | clean udder  |

# VOBAN

HBNr. 10/427064  
LOM DE 08 16645348  
Born 31.08.2017

## GS VOLLAUF



ERIKA

3/2 8.012 3,99 3,61 610

## VOX

KERBE

## WABAN

ELINA 71

6/6 9.498 4,05 3,53 720

## Udder

## Fitness

## Components



A2A2

AB

Genomic

Total merit index (Proof: August 2019)

**gGZW 128** 62%

### Milk performance

**MW 127** 67%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +723    | +0,16 | +43    | +0,08   | +32     |

### Beef performance

**FW 100** 65%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 109            | 97                 | 98      |

### Functional traits

**FIT 111** 64%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 111 | 112 | 102  | 110 | 103              | 108              | 104  | 100 | 54%         |



### LINEAR DESCRIPTION:

| Trait           | Index | Trend      | 76 | 88 | 100   | 112 | 124 | Trend        |
|-----------------|-------|------------|----|----|-------|-----|-----|--------------|
| Frame           | 108   |            |    |    | ■     | ■   |     |              |
| Muscling        | 96    |            |    |    | ■     |     |     | large        |
| Feet & Legs     | 98    |            |    |    | ■     |     |     | long         |
| Udder           | 125   |            |    |    | ■■■■■ |     |     | wide         |
| Height at cross | 106   | small      |    |    |       |     |     | deep         |
| Body length     | 108   | short      |    |    | ■■    |     |     | sloped       |
| Rump width      | 111   | narrow     |    |    | ■■    |     |     | swollen      |
| Body depth      | 107   | shallow    |    |    | ■■    |     |     | strong       |
| Rump angle      | 90    | ascending  |    |    | ■■    |     |     | steep angles |
| Hock angularity | 106   | straight   |    |    | ■■    |     |     | inwards      |
| Hock develop.   | 99    | swollen    |    |    | ■■    |     |     | outwards     |
| Pasterns        | 100   | weak       |    |    | ■■    |     |     | clean udder  |
| Foot angle      | 105   | low angles |    |    | ■■■   |     |     | add. teats   |

# WACHOLDER

HBNr. 10/871059  
LOM DE 09 52624576  
Born 07.08.2017



Milk

Beef

Milking speed



A1A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 128** 63%

Milk performance

**MW 127** 68%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1293   | -0,20 | +36    | -0,07   | +40      |

Beef performance

**FW 110** 66%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 109            | 110                | 103      |

Functional traits

**FIT 103** 65%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 115 | 101 | 109  | 103 | 101              | 102              | 94   | 105 | 56%         |



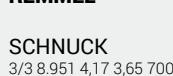
#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 108   |            |    |    | ■   | ■■■ |     |              |
| Muscling               | 97    |            |    |    | ■   | ■■■ |     |              |
| Feet & Legs            | 109   |            |    |    | ■■■ | ■■■ |     |              |
| Udder                  | 112   |            |    |    | ■■■ | ■■■ |     |              |
| Height at cross        | 108   | small      |    |    | ■■■ | ■■■ |     | large        |
| Body length            | 111   | short      |    |    | ■■■ | ■■■ |     | long         |
| Rump width             | 105   | narrow     |    |    | ■■■ | ■■■ |     | wide         |
| Body depth             | 105   | shallow    |    |    | ■■■ | ■■■ |     | deep         |
| Rump angle             | 100   | ascending  |    | □  | □   |     |     | sloped       |
| Hock angularity        | 97    | straight   |    | □  | ■   |     |     | sickled      |
| Hock develop.          | 103   | swollen    |    |    | ■   | ■   |     | dry          |
| Pasterns               | 105   | weak       |    |    | ■■■ | ■■■ |     | strong       |
| Foot angle             | 112   | low angles |    |    | ■■■ | ■■■ |     | steep angles |
| Fore udder length      | 108   | short      |    |    | ■■■ | ■■■ |     | long         |
| Rear udder length      | 114   | short      |    |    | ■■■ | ■■■ |     | long         |
| Fore udder attachment  | 103   | loose      |    |    | ■   | ■■■ |     | tight        |
| Susp. ligament         | 113   | weak       |    |    | ■■■ | ■■■ |     | strong       |
| Udder depth            | 106   | deep       |    |    | ■■■ | ■■■ |     | high         |
| Teat length            | 98    | short      |    | □  | ■   | ■   |     | long         |
| Teat thickness         | 96    | thin       |    | ■  | ■   | ■   |     | thick        |
| Teat placement (front) | 101   | wide       |    |    | ■   | ■   |     | close        |
| Teat placement (rear)  | 98    | wide       |    | ■  | ■   | ■   |     | close        |
| Teat direction (rear)  | 100   | outwards   |    | □  | □   |     |     | inwards      |
| Udder cleanliness      | 103   | add. teats |    |    | ■   | ■   |     | clean udder  |

# ROULETTE

HBNr. 10/173578  
LOM DE 09 52829851  
Born 17.03.2018

REMMEL



Dual purpose

Udder

Longevity



A2A2

AB

Genomic

Total merit index (Proof: August 2019)

**gGZW 128** 68%

Milk performance

**MW 122** 74%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +878    | -0,10 | +28    | +0,03   | +33      |

Beef performance

**FW 121** 67%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 123            | 117                | 111      |

Functional traits

**FIT 103** 71%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 101 | 104 | 106  | 106 | 89               | 115              | 92   | 94  | 58%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 116   |            |    |    | ■   | ■■■ |     |              |
| Muscling               | 106   |            |    |    | ■   | ■■■ |     |              |
| Feet & Legs            | 108   |            |    |    | ■■■ | ■■■ |     |              |
| Udder                  | 120   |            |    |    | ■■■ | ■■■ |     |              |
| Height at cross        | 116   | small      |    |    | ■■■ | ■■■ |     | large        |
| Body length            | 114   | short      |    |    | ■■■ | ■■■ |     | long         |
| Rump width             | 118   | narrow     |    |    | ■■■ | ■■■ |     | wide         |
| Body depth             | 109   | shallow    |    |    | ■■■ | ■■■ |     | deep         |
| Rump angle             | 107   | ascending  |    | □  | ■   | ■   |     | sloped       |
| Hock angularity        | 101   | straight   |    | □  | ■   | ■   |     | sickled      |
| Hock develop.          | 91    | swollen    |    |    | ■   | ■   |     | dry          |
| Pasterns               | 109   | weak       |    |    | ■■■ | ■■■ |     | strong       |
| Foot angle             | 115   | low angles |    |    | ■■■ | ■■■ |     | steep angles |
| Fore udder length      | 112   | short      |    |    | ■■■ | ■■■ |     | long         |
| Rear udder length      | 113   | short      |    |    | ■■■ | ■■■ |     | long         |
| Fore udder attachment  | 114   | loose      |    |    | ■   | ■■■ |     | tight        |
| Susp. ligament         | 106   | weak       |    |    | ■■■ | ■■■ |     | strong       |
| Udder depth            | 107   | deep       |    |    | ■■■ | ■■■ |     | high         |
| Teat length            | 93    | short      |    |    | ■   | ■   |     | long         |
| Teat thickness         | 113   | thin       |    |    | ■■■ | ■■■ |     | thick        |
| Teat placement (front) | 117   | wide       |    | □  | ■■■ | ■■■ |     | close        |
| Teat placement (rear)  | 112   | wide       |    | □  | ■■■ | ■■■ |     | close        |
| Teat direction (rear)  | 113   | outwards   |    | □  | ■■■ | ■■■ |     | inwards      |
| Udder cleanliness      | 112   | add. teats |    |    | ■■■ | ■■■ |     | clean udder  |

# STERN

HBNr. 10/862485  
LOM DE 09 53343488  
Born 25.11.2017

**STURMWIND** STRELLAS  
LENA  
**1090** MANIGO MERTIN  
2/2 8.896 4,82 3,65 754 996 4/4 7.688 4,92 3,75 666



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

A1A1

BB

Genomic

Total merit index (Proof: August 2019) **gGZW 128** 62%

**Milk performance** **MW 120** 67%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +638    | +0,03 | +29    | +0,06   | +27      |

**Beef performance** **FW 104** 67%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 109            | 99                 | 104      |

**Functional traits** **FIT 116** 65%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 105 | 111 | 110  | 115 | 112              | 106              | 103  | 110 | 57%         |



## LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-------|-----|-----|--------------|
| Frame                  | 105   |            |    |    | ■     |     |     |              |
| Muscling               | 100   |            |    |    |       |     |     |              |
| Feet & Legs            | 115   |            |    |    | ■■■   |     |     |              |
| Udder                  | 132   |            |    |    | ■■■■■ |     |     |              |
| Height at cross        | 104   | small      |    |    |       |     |     | large        |
| Body length            | 103   | short      |    |    |       |     |     | long         |
| Rump width             | 107   | narrow     |    |    | ■     |     |     | wide         |
| Body depth             | 102   | shallow    |    |    | ■     |     |     | deep         |
| Rump angle             | 105   | ascending  |    |    | ■     |     |     | sloped       |
| Hock angularity        | 101   | straight   |    |    | □     |     |     | sickled      |
| Hock develop.          | 108   | swollen    |    |    | ■     |     |     | dry          |
| Pasterns               | 108   | weak       |    |    | ■     |     |     | strong       |
| Foot angle             | 110   | low angles |    |    | ■     |     |     | steep angles |
| Fore udder length      | 118   | short      |    |    | ■■■■■ |     |     | long         |
| Rear udder length      | 115   | short      |    |    | ■■■■■ |     |     | long         |
| Fore udder attachment  | 111   | loose      |    |    | ■■■■■ |     |     | tight        |
| Susp. ligament         | 107   | weak       |    |    | ■■■■■ |     |     | strong       |
| Udder depth            | 109   | deep       |    |    | ■■■■■ |     |     | high         |
| Teat length            | 93    | short      |    |    | ■■■■■ |     |     | long         |
| Teat thickness         | 92    | thin       |    |    | ■■■■■ |     |     | thick        |
| Teat placement (front) | 126   | wide       |    |    | ■■■■■ |     |     | close        |
| Teat placement (rear)  | 115   | wide       |    |    | ■■■■■ |     |     | close        |
| Teat direction (rear)  | 122   | outwards   |    |    | ■■■■■ |     |     | inwards      |
| Udder cleanness        | 107   | add. teats |    |    | ■■■■■ |     |     | clean udder  |

# MIRAGE

aAa 426315

**MIROLO**

**HALMA**

2/2 8.116 4,36 3,71 655

MINT

IDA

**WABAN**

HALMA

2/2 9.739 3,84 3,17 683

HBNr. 10/427073

LOM DE 08 16666080

Born 17.12.2017

**Udder**

**Fitness**

**Milk**



A1A2

AA

Genomic

Total merit index (Proof: August 2019) **gGZW 128** 55%

**Milk performance** **MW 119** 60%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1004   | -0,21 | +24    | -0,09   | +27      |

**Beef performance** **FW 91** 55%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 100            | 97                 | 86       |

**Functional traits** **FIT 125** 58%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 116 | 111 | 111  | 130 | 96               | 103              | 113  | 101 | 49%         |



HALMA - Dam of Mirage

## LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-------|-----|-----|--------------|
| Frame                  | 100   |            |    |    | ■     |     |     |              |
| Muscling               | 86    |            |    |    |       |     |     |              |
| Feet & Legs            | 119   |            |    |    | ■■■   |     |     |              |
| Udder                  | 130   |            |    |    | ■■■■■ |     |     |              |
| Height at cross        | 103   | small      |    |    |       |     |     | large        |
| Body length            | 96    | short      |    |    |       |     |     | long         |
| Rump width             | 99    | narrow     |    |    |       |     |     | wide         |
| Body depth             | 100   | shallow    |    |    |       |     |     | deep         |
| Rump angle             | 93    | ascending  |    |    | ■     |     |     | sloped       |
| Hock angularity        | 102   | straight   |    |    | □     |     |     | sickled      |
| Hock develop.          | 121   | swollen    |    |    | ■     |     |     | dry          |
| Pasterns               | 106   | weak       |    |    | ■     |     |     | strong       |
| Foot angle             | 103   | low angles |    |    | ■     |     |     | steep angles |
| Fore udder length      | 114   | short      |    |    | ■■■■■ |     |     | long         |
| Rear udder length      | 119   | short      |    |    | ■■■■■ |     |     | long         |
| Fore udder attachment  | 112   | loose      |    |    | ■■■■■ |     |     | tight        |
| Susp. ligament         | 116   | weak       |    |    | ■■■■■ |     |     | strong       |
| Udder depth            | 112   | deep       |    |    | ■■■■■ |     |     | high         |
| Teat length            | 90    | short      |    |    | ■■■■■ |     |     | long         |
| Teat thickness         | 88    | thin       |    |    | ■■■■■ |     |     | thick        |
| Teat placement (front) | 112   | wide       |    |    | ■■■■■ |     |     | close        |
| Teat placement (rear)  | 109   | wide       |    |    | ■■■■■ |     |     | close        |
| Teat direction (rear)  | 119   | outwards   |    |    | ■■■■■ |     |     | inwards      |
| Udder cleanness        | 105   | add. teats |    |    | ■■■■■ |     |     | clean udder  |



# HUSAM

HBNr. 10/427025  
LOM DE 08 16293769  
Born 29.03.2016

aAa 432651

**HURLY** └─ HULKOR

TILANDA └─ AFRA

AFRA └─ SAMLAND

TIHADA └─ HADES

4/4 8.970 3,90 3,45 659

Dual purpose

Type

Fitness



A1A2

AA

Genomic

Total merit index (Proof: August 2019)

**gGZW 128** 69%

Milk performance

**MW 117** 72%

|         |       |        |         |          |
|---------|-------|--------|---------|----------|
| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
| +810    | -0,14 | +22    | -0,02   | +27      |

Beef performance

**FW 116** 66%

|                |                    |          |
|----------------|--------------------|----------|
| Daily net gain | Carcass percentage | prot.-kg |
| 113            | 119                | 106      |

Functional traits

**FIT 115** 73%

|     |     |      |     |                  |     |      |     |             |
|-----|-----|------|-----|------------------|-----|------|-----|-------------|
| MS  | SCC | Pers | PL  | Calving ease pat | mat | Fert | VIT | Reliability |
| 103 | 104 | 117  | 115 | 100              | 100 | 111  | 99  | 95%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 112   |            |    |    | ■   |     |     |              |
| Muscling               | 104   |            |    |    | ■   |     |     |              |
| Feet & Legs            | 107   |            |    |    | ■   |     |     |              |
| Udder                  | 114   |            |    |    | ■   |     |     |              |
| Height at cross        | 110   | small      |    |    | ■   |     |     | large        |
| Body length            | 112   | short      |    |    | ■   |     |     | long         |
| Rump width             | 109   | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 105   | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 83    | ascending  |    | ■  | ■   |     |     | sloped       |
| Hock angularity        | 101   | straight   |    | ■  | ■   |     |     | sickled      |
| Hock develop.          | 106   | swollen    |    | ■  | ■   |     |     | dry          |
| Pasterns               | 104   | weak       |    | ■  | ■   |     |     | strong       |
| Foot angle             | 106   | low angles |    | ■  | ■   |     |     | steep angles |
| Fore udder length      | 112   | short      |    | ■  | ■   |     |     | long         |
| Rear udder length      | 107   | short      |    | ■  | ■   |     |     | long         |
| Fore udder attachment  | 108   | loose      |    | ■  | ■   |     |     | tight        |
| Susp. ligament         | 105   | weak       |    | ■  | ■   |     |     | strong       |
| Udder depth            | 104   | deep       |    | ■  | ■   |     |     | high         |
| Teat length            | 95    | short      |    | ■  | ■   |     |     | long         |
| Teat thickness         | 92    | thin       |    | ■  | ■   |     |     | thick        |
| Teat placement (front) | 120   | wide       |    | ■  | ■   |     |     | close        |
| Teat placement (rear)  | 105   | wide       |    | ■  | ■   |     |     | close        |
| Teat direction (rear)  | 102   | outwards   |    | ■  | ■   |     |     | inwards      |
| Udder cleanliness      | 104   | add. teats |    | ■  | ■   |     |     | clean udder  |

# HOLLYWOOD

HBNr. 10/865555  
LOM DE 09 52734484  
Born 01.02.2017

aAa 432561

**HUTERA**

└─ HUTMANN

WANDERA

**QUATONA**

1/1 10.301 3,84 3,41 747

└─ MANTON

QUABUM

3/3 9.653 4,72 3,37 781

└─ RESOLUT

Dual purpose

Type

Fitness

Milk

Beef

Feet & Legs



A2A2

AB

Genomic

Total merit index (Proof: August 2019)

**gGZW 127** 68%

Milk performance

**MW 134** 73%

|         |       |        |         |          |
|---------|-------|--------|---------|----------|
| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
| +1526   | -0,09 | +55    | -0,14   | +41      |

Beef performance

**FW 110** 65%

|                |                    |          |
|----------------|--------------------|----------|
| Daily net gain | Carcass percentage | prot.-kg |
| 109            | 104                | 111      |

Functional traits

**FIT 94** 72%

|     |     |      |    |                  |     |      |     |             |
|-----|-----|------|----|------------------|-----|------|-----|-------------|
| MS  | SCC | Pers | PL | Calving ease pat | mat | Fert | VIT | Reliability |
| 107 | 92  | 90   | 98 | 110              | 100 | 97   | 104 | 77%         |



QUATONA - Dam of Hollywood

GENOMIC

#### LINEAR DESCRIPTION:

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 104   |            |    |    | ■   |     |     |              |
| Muscling               | 98    |            |    |    | ■   |     |     |              |
| Feet & Legs            | 113   |            |    |    | ■   |     |     |              |
| Udder                  | 111   |            |    |    | ■   |     |     |              |
| Height at cross        | 105   | small      |    |    | ■   |     |     | large        |
| Body length            | 107   | short      |    |    | ■   |     |     | long         |
| Rump width             | 102   | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 102   | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 102   | ascending  |    | ■  | ■   |     |     | sloped       |
| Hock angularity        | 99    | straight   |    | ■  | ■   |     |     | sickled      |
| Hock develop.          | 100   | swollen    |    | ■  | ■   |     |     | dry          |
| Pasterns               | 102   | weak       |    | ■  | ■   |     |     | strong       |
| Foot angle             | 109   | low angles |    | ■  | ■   |     |     | steep angles |
| Fore udder length      | 118   | short      |    | ■  | ■   |     |     | long         |
| Rear udder length      | 114   | short      |    | ■  | ■   |     |     | long         |
| Fore udder attachment  | 104   | loose      |    | ■  | ■   |     |     | tight        |
| Susp. ligament         | 100   | weak       |    | ■  | ■   |     |     | strong       |
| Udder depth            | 99    | deep       |    | ■  | ■   |     |     | high         |
| Teat length            | 92    | short      |    | ■  | ■   |     |     | long         |
| Teat thickness         | 100   | thin       |    | ■  | ■   |     |     | thick        |
| Teat placement (front) | 97    | wide       |    | ■  | ■   |     |     | close        |
| Teat placement (rear)  | 96    | wide       |    | ■  | ■   |     |     | close        |
| Teat direction (rear)  | 105   | outwards   |    | ■  | ■   |     |     | inwards      |
| Udder cleanliness      | 107   | add. teats |    | ■  | ■   |     |     | clean udder  |

# DREAM

HBNr. 10/606266  
LOM AT 353.547.428  
Born 24.03.2016

aAa 345216

**DAX**



Milk

Beef

Milking speed



A2A2

AB

Genomic

Total merit index (Proof: August 2019)

**gGZW 127** 69%

Milk performance

**MW 129** 73%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +1039   | +0,02 | +45    | -0,01   | +36     |

Beef performance

**FW 109** 66%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 117            | 108                | 100     |

Functional traits

**FIT 98** 72%

| MS  | SCC | Pers | PL | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|----|------------------|------------------|------|-----|-------------|
| 118 | 95  | 98   | 98 | 96               | 115              | 98   | 99  | 91%         |



LENA - Dam of Dream, 2nd lact.

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100  | 112   | 124 | Trend |
|------------------------|-------|------------|----|----|------|-------|-----|-------|
| Frame                  | 111   |            |    |    | ■    | ■■■   |     |       |
| Muscling               | 99    |            |    |    | ■    |       |     |       |
| Feet & Legs            | 109   |            |    |    | ■■   | ■■■   |     |       |
| Udder                  | 114   |            |    |    | ■■■■ |       |     |       |
| Height at cross        | 110   | small      |    |    |      |       |     |       |
| Body length            | 112   | short      |    |    | ■■■  | ■■■■  |     |       |
| Rump width             | 104   | narrow     |    |    | ■    |       |     |       |
| Body depth             | 106   | shallow    |    |    | ■    | ■■    |     |       |
| Rump angle             | 107   | ascending  |    |    | ■    | ■■    |     |       |
| Hock angularity        | 99    | straight   |    |    | ■    |       |     |       |
| Hock develop.          | 113   | swollen    |    |    | ■■■  | ■■■■  |     |       |
| Pasterns               | 105   | weak       |    |    | ■    | ■■■   |     |       |
| Foot angle             | 96    | low angles |    |    | ■    | ■■■■  |     |       |
| Fore udder length      | 104   | short      |    |    | ■    | ■■■   |     |       |
| Rear udder length      | 119   | short      |    |    | ■■■■ | ■■■■■ |     |       |
| Fore udder attachment  | 111   | loose      |    |    | ■■■  | ■■■■  |     |       |
| Susp. ligament         | 111   | weak       |    |    | ■■■  | ■■■■  |     |       |
| Udder depth            | 101   | deep       |    |    | ■■■■ | ■■■■■ |     |       |
| Teat length            | 91    | short      |    |    | ■    | ■■■■  |     |       |
| Teat thickness         | 105   | thin       |    |    | ■    | ■■■■  |     |       |
| Teat placement (front) | 119   | wide       |    |    | ■■■■ | ■■■■■ |     |       |
| Teat placement (rear)  | 109   | wide       |    |    | ■■■■ | ■■■■■ |     |       |
| Teat direction (rear)  | 113   | outwards   |    |    | ■■■■ | ■■■■■ |     |       |
| Udder cleanliness      | 100   | add. teats |    |    |      |       |     |       |

# PIZARRO

HBNr. 10/858120  
LOM DE 09 52953413  
Born 13.11.2017

aAa 564123

**PERFEKT**



Milk

Type

Milking speed



A2A2

BB

Genomic

Total merit index (Proof: August 2019)

**gGZW 127** 60%

Milk performance

**MW 129** 65%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +1343   | -0,22 | +36    | -0,02   | +45     |

Beef performance

**FW 100** 64%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 109            | 95                 | 101     |

Functional traits

**FIT 104** 63%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 120 | 108 | 108  | 108 | 101              | 104              | 92   | 97  | 56%         |



FLORA - Dam of Pizarro

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112    | 124 | Trend |
|------------------------|-------|------------|----|----|-------|--------|-----|-------|
| Frame                  | 120   |            |    |    | ■     | ■■■    |     |       |
| Muscling               | 103   |            |    |    | ■     |        |     |       |
| Feet & Legs            | 124   |            |    |    | ■■■   | ■■■■   |     |       |
| Udder                  | 116   |            |    |    | ■■■■  | ■■■■■  |     |       |
| Height at cross        | 120   | small      |    |    |       |        |     |       |
| Body length            | 118   | short      |    |    | ■■■   | ■■■■   |     |       |
| Rump width             | 118   | narrow     |    |    | ■■■   | ■■■■   |     |       |
| Body depth             | 115   | shallow    |    |    | ■■■■  | ■■■■■  |     |       |
| Rump angle             | 107   | ascending  |    |    | ■     | ■■■■   |     |       |
| Hock angularity        | 88    | straight   |    |    | ■■■■  | ■■■■■  |     |       |
| Hock develop.          | 105   | swollen    |    |    | ■■■■  | ■■■■■  |     |       |
| Pasterns               | 116   | weak       |    |    | ■■■■  | ■■■■■  |     |       |
| Foot angle             | 121   | low angles |    |    | ■■■■  | ■■■■■  |     |       |
| Fore udder length      | 112   | short      |    |    | ■■■■  | ■■■■■  |     |       |
| Rear udder length      | 117   | short      |    |    | ■■■■■ | ■■■■■■ |     |       |
| Fore udder attachment  | 105   | loose      |    |    | ■■■■  | ■■■■■  |     |       |
| Susp. ligament         | 105   | weak       |    |    | ■■■■  | ■■■■■  |     |       |
| Udder depth            | 98    | deep       |    |    | ■■■■  | ■■■■■  |     |       |
| Teat length            | 96    | short      |    |    | ■■■■  | ■■■■■  |     |       |
| Teat thickness         | 91    | thin       |    |    | ■■■■  | ■■■■■  |     |       |
| Teat placement (front) | 118   | wide       |    |    | ■■■■■ | ■■■■■■ |     |       |
| Teat placement (rear)  | 109   | wide       |    |    | ■■■■■ | ■■■■■■ |     |       |
| Teat direction (rear)  | 114   | outwards   |    |    | ■■■■■ | ■■■■■■ |     |       |
| Udder cleanliness      | 105   | add. teats |    |    | ■■■■  | ■■■■■  |     |       |

# WERTHEIM

HBNr. 10/190672  
LOM DE 09 51373142  
Born 21.06.2016



Milk Fitness Udder



A2A2

AA

Genomic

Total merit index (Proof: August 2019) **gGZW 127** 66%

**Milk performance** MW 124 71%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +981    | -0,05 | +37    | -0,05   | +30      |

**Beef performance** FW 95 68%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 105            | 92                 | 95       |

**Functional traits** FIT 114 68%

| MS  | SCC | Pers | PL  | Calving ease pat | mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|-----|------|-----|-------------|
| 111 | 116 | 103  | 110 | 101              | 117 | 104  | 106 | 69%         |

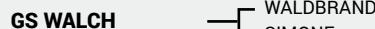


LAMORE - Dam of Wertheim

| LINEAR DESCRIPTION:    |       |            |    |    |     |     |     |              |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
| Frame                  | 112   |            |    |    | ■   |     |     |              |
| Muscling               | 97    |            |    |    | ■   |     |     |              |
| Feet & Legs            | 107   |            |    |    | ■   |     |     |              |
| Udder                  | 115   |            |    |    | ■   |     |     |              |
| Height at cross        | 111   | small      |    |    | ■■■ |     |     | large        |
| Body length            | 113   | short      |    |    | ■■■ |     |     | long         |
| Rump width             | 108   | narrow     |    |    | ■■■ |     |     | wide         |
| Body depth             | 109   | shallow    |    |    | ■■■ |     |     | deep         |
| Rump angle             | 101   | ascending  |    |    | □□  |     |     | sloped       |
| Hock angularity        | 104   | straight   |    |    | ■   |     |     | sickled      |
| Hock develop.          | 95    | swollen    |    |    | ■   |     |     | dry          |
| Pasterns               | 111   | weak       |    |    | ■■■ |     |     | strong       |
| Foot angle             | 114   | low angles |    |    | ■■■ |     |     | steep angles |
| Fore udder length      | 106   | short      |    |    | ■   |     |     | long         |
| Rear udder length      | 115   | short      |    |    | ■■■ |     |     | long         |
| Fore udder attachment  | 115   | loose      |    |    | ■■■ |     |     | tight        |
| Susp. ligament         | 107   | weak       |    |    | ■■■ |     |     | strong       |
| Udder depth            | 106   | deep       |    |    | ■■■ |     |     | high         |
| Teat length            | 105   | short      |    |    | ■   |     |     | long         |
| Teat thickness         | 96    | thin       |    |    | ■   |     |     | thick        |
| Teat placement (front) | 120   | wide       |    |    | ■■■ |     |     | close        |
| Teat placement (rear)  | 110   | wide       |    |    | ■■■ |     |     | close        |
| Teat direction (rear)  | 111   | outwards   |    |    | ■■■ |     |     | inwards      |
| Udder cleanliness      | 107   | add. teats |    |    | ■   |     |     | clean udder  |

# WALCHENSEE

HBNr. 10/858213  
LOM DE 09 53376088  
Born 20.03.2018



**GS WALCH**

- WALDBRAND
- |
- SIMONE
- ROMMI
- |
- HUTERA
- |
- ROMY
- 3/3 10.995 4,16 3,37 828
- |
- EAGLE EYE

Milk Udder Beef



A1A1

AA

Genomic

Total merit index (Proof: August 2019) **gGZW 127** 68%

**Milk performance** MW 122 74%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +994    | -0,13 | +31    | -0,06   | +30      |

**Beef performance** FW 111 68%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 116            | 101                | 111      |

**Functional traits** FIT 108 72%

| MS  | SCC | Pers | PL  | Calving ease pat | mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|-----|------|-----|-------------|
| 104 | 104 | 111  | 112 | 99               | 105 | 95   | 96  | 59%         |



| LINEAR DESCRIPTION:    |       |            |    |    |       |     |     |              |
|------------------------|-------|------------|----|----|-------|-----|-----|--------------|
| Trait                  | Index | Trend      | 76 | 88 | 100   | 112 | 124 | Trend        |
| Frame                  | 109   |            |    |    | ■     |     |     |              |
| Muscling               | 100   |            |    |    | ■     |     |     |              |
| Feet & Legs            | 103   |            |    |    | ■     |     |     |              |
| Udder                  | 128   |            |    |    | ■■■■■ |     |     |              |
| Height at cross        | 114   | small      |    |    | ■■■■■ |     |     | large        |
| Body length            | 103   | short      |    |    | ■■■■■ |     |     | long         |
| Rump width             | 102   | narrow     |    |    | ■■■■■ |     |     | wide         |
| Body depth             | 102   | shallow    |    |    | ■■■■■ |     |     | deep         |
| Rump angle             | 108   | ascending  |    |    | ■■■■■ |     |     | sloped       |
| Hock angularity        | 100   | straight   |    |    | ■■■■■ |     |     | sickled      |
| Hock develop.          | 104   | swollen    |    |    | ■■■■■ |     |     | dry          |
| Pasterns               | 107   | weak       |    |    | ■■■■■ |     |     | strong       |
| Foot angle             | 105   | low angles |    |    | ■■■■■ |     |     | steep angles |
| Fore udder length      | 104   | short      |    |    | ■■■■■ |     |     | long         |
| Rear udder length      | 106   | short      |    |    | ■■■■■ |     |     | long         |
| Fore udder attachment  | 115   | loose      |    |    | ■■■■■ |     |     | tight        |
| Susp. ligament         | 104   | weak       |    |    | ■■■■■ |     |     | strong       |
| Udder depth            | 116   | deep       |    |    | ■■■■■ |     |     | high         |
| Teat length            | 85    | short      |    |    | ■■■■■ |     |     | long         |
| Teat thickness         | 100   | thin       |    |    | ■■■■■ |     |     | thick        |
| Teat placement (front) | 121   | wide       |    |    | ■■■■■ |     |     | close        |
| Teat placement (rear)  | 104   | wide       |    |    | ■■■■■ |     |     | close        |
| Teat direction (rear)  | 119   | outwards   |    |    | ■■■■■ |     |     | inwards      |
| Udder cleanliness      | 106   | add. teats |    |    | ■■■■■ |     |     | clean udder  |

# HORIZONT

HBNr. 10/859683  
LOM DE 09 51888322  
Born 28.03.2016

aAa 423561

## HUBRAUM

M 1131  
2/2 9.154 4.06 3,62 703

- HUTERA
- KOENIGI
- WILLE
- M
- ETTAL

1/76T 2.472 3,95 3,37 181

## Milk

## Fitness

## Udder

A1A2

AB

Genomic



Total merit index (Proof: August 2019)

**gGZW 125** 69%

### Milk performance

**MW 124** 71%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +916    | +0,02 | +39    | -0,03   | +30      |

### Beef performance

**FW 96** 66%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 103            | 91                 | 99       |

### Functional traits

**FIT 110** 72%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 119 | 106 | 102  | 110 | 114              | 106              | 107  | 107 | 97%         |



MONIQUE - Dam of Horizon

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 103   |            |    |    | □   | ■   |     |              |
| Muscling               | 100   |            |    |    | ■   |     |     |              |
| Feet & Legs            | 107   |            |    |    | ■   | ■   |     |              |
| Udder                  | 114   |            |    |    | ■   | ■   |     |              |
| Height at cross        | 101   | small      |    |    |     |     |     | large        |
| Body length            | 104   | short      |    |    | ■   |     |     | long         |
| Rump width             | 104   | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 108   | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 93    | ascending  |    |    | ■   | □   |     | sloped       |
| Hock angularity        | 85    | straight   |    |    | ■   | ■   |     | sickled      |
| Hock develop.          | 91    | swollen    |    |    | ■   | ■   |     | dry          |
| Pasterns               | 104   | weak       |    |    | ■   |     |     | strong       |
| Foot angle             | 109   | low angles |    |    | ■   | ■   |     | steep angles |
| Fore udder length      | 113   | short      |    |    | ■   | ■   |     | long         |
| Rear udder length      | 109   | short      |    |    | ■   | ■   |     | long         |
| Fore udder attachment  | 115   | loose      |    |    | ■   | ■   |     | tight        |
| Susp. ligament         | 101   | weak       |    |    | ■   | ■   |     | strong       |
| Udder depth            | 99    | deep       |    |    | ■   | ■   |     | high         |
| Teat length            | 92    | short      |    |    | ■   | ■   |     | long         |
| Teat thickness         | 104   | thin       |    |    | ■   | ■   |     | thick        |
| Teat placement (front) | 107   | wide       |    |    | ■   | ■   |     | close        |
| Teat placement (rear)  | 99    | wide       |    |    | ■   | ■   |     | close        |
| Teat direction (rear)  | 99    | outwards   |    |    | ■   | ■   |     | inwards      |
| Udder cleanness        | 107   | add. teats |    |    | ■   | ■   |     | clean udder  |

# HORAZ

HBNr. 10/427082  
LOM DE 08 17127243  
Born 04.04.2018

## HUTILL

ODESA  
3/2 9.131 3,72 3,26 638

- HUTERA
- WELLE
- ROYAL
- OTAWA
- VANEL

## Udder

## Milk

## Fitness

A1A2

AA

Genomic



Total merit index (Proof: August 2019)

**gGZW 125** 60%

### Milk performance

**MW 119** 66%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +811    | -0,08 | +27    | -0,04   | +26      |

### Beef performance

**FW 109** 61%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 106            | 109                | 105      |

### Functional traits

**FIT 111** 63%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 98 | 106 | 99   | 114 | 96               | 107              | 98   | 107 | 55%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 111   |            |    |    | □   | ■   |     |              |
| Muscling               | 104   |            |    |    | ■   |     |     |              |
| Feet & Legs            | 114   |            |    |    | ■   | ■   |     |              |
| Udder                  | 129   |            |    |    | ■   | ■   |     |              |
| Height at cross        | 114   | small      |    |    |     |     |     | large        |
| Body length            | 110   | short      |    |    | ■   | ■   |     | long         |
| Rump width             | 104   | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 99    | shallow    |    |    | ■   | ■   |     | deep         |
| Rump angle             | 97    | ascending  |    |    | ■   | □   |     | sloped       |
| Hock angularity        | 90    | straight   |    |    | ■   | ■   |     | sickled      |
| Hock develop.          | 102   | swollen    |    |    | ■   | ■   |     | dry          |
| Pasterns               | 113   | weak       |    |    | ■   | ■   |     | strong       |
| Foot angle             | 113   | low angles |    |    | ■   | ■   |     | steep angles |
| Fore udder length      | 109   | short      |    |    | ■   | ■   |     | long         |
| Rear udder length      | 110   | short      |    |    | ■   | ■   |     | long         |
| Fore udder attachment  | 103   | loose      |    |    | ■   | ■   |     | tight        |
| Susp. ligament         | 117   | weak       |    |    | ■   | ■   |     | strong       |
| Udder depth            | 121   | deep       |    |    | ■   | ■   |     | high         |
| Teat length            | 85    | short      |    |    | ■   | ■   |     | long         |
| Teat thickness         | 98    | thin       |    |    | ■   | ■   |     | thick        |
| Teat placement (front) | 119   | wide       |    |    | ■   | ■   |     | close        |
| Teat placement (rear)  | 115   | wide       |    |    | ■   | ■   |     | close        |
| Teat direction (rear)  | 123   | outwards   |    |    | ■   | ■   |     | inwards      |
| Udder cleanness        | 104   | add. teats |    |    | ■   | ■   |     | clean udder  |

# HEUREKA

HBNr. 10/857783  
LOM DE 09 52451478  
Born 10.01.2017

**HARIBO**



**REDELLA**

2/2 11.415 3,99 3,52 857

**Udder**

**Milking speed**

**Components**



A1A2

AA

**Genomic**

**Total merit index** (Proof: August 2019)

**gGZW 124** 69%

**Milk performance**

**MW 127** 74%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +734    | +0,23 | +49    | +0,03   | +29      |

**Beef performance**

**FW 101** 69%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 100            | 95                 | 107      |

**Functional traits**

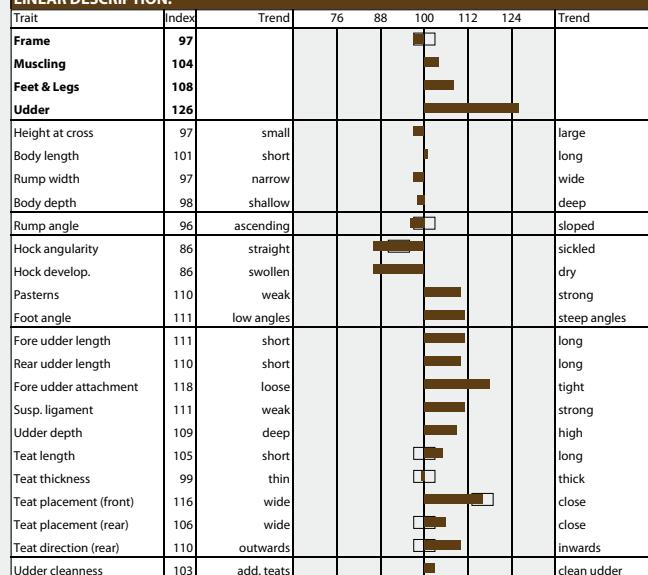
**FIT 101** 71%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 119 | 99  | 98   | 106 | 118              | 103              | 92   | 103 | 68%         |



REGATTA - Granddam of Heureka

#### LINEAR DESCRIPTION:



# MIAMI

aAa 516342

**MINT**



HBNr. 10/427019  
LOM DE 09 50912120  
Born 02.12.2015

**Feet & Legs**

**Milk**

**Milking speed**



A1A2

AB

**Genomic**

**Total merit index** (Proof: August 2019)

**gGZW 119** 73%

**Milk performance**

**MW 122** 75%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +658    | +0,09 | +34    | +0,06   | +28      |

**Beef performance**

**FW 92** 76%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 93             | 95                 | 94       |

**Functional traits**

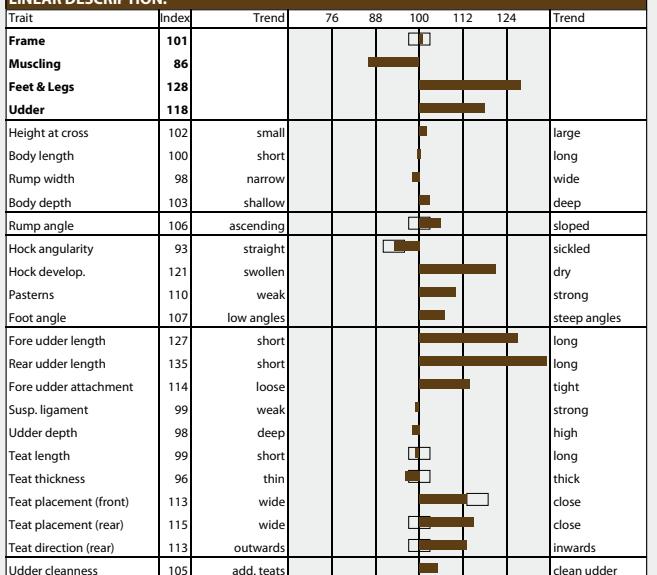
**FIT 106** 76%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 112 | 105 | 94   | 110 | 108              | 98               | 98   | 112 | 99%         |



MAMBA - Dam of Miami

#### LINEAR DESCRIPTION:



# VERSTAPEN1 Pp\*

HBNr. 10/860296  
LOM AT 261.227.968  
Born 14.04.2018

## VESPASIAN P\*s

REUMUT  
CANADA  
MAHANGO Pp\*  
TERAKOTA MERTIN  
1/1 10.016 4,12 3,42 756  
5/4 10.043 4,00 3,50 753

## Dual purpose

## Fitness

## Components



Total merit index (Proof: August 2019)

**gGZW 136** 61%

### Milk performance

**MW 120** 66%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +566    | +0,12 | +33    | +0,03   | +22     |

### Beef performance

**FW 116** 58%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 113            | 111                | 114     |

### Functional traits

**FIT 124** 64%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 117 | 118 | 116  | 124 | 104              | 108              | 117  | 97  | 54%         |



TAUBE - Dam of Verstapen1 Pp

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 106   |            |    |    | ■   |     |     |              |
| Muscling               | 102   |            |    |    | ■   |     |     |              |
| Feet & Legs            | 110   |            |    |    | ■■■ |     |     |              |
| Udder                  | 111   |            |    |    | ■■■ |     |     |              |
| Height at cross        | 106   | small      |    |    |     |     |     | large        |
| Body length            | 105   | short      |    |    | ■   |     |     | long         |
| Rump width             | 99    | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 101   | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 101   | ascending  |    | □  | □   |     |     | sloped       |
| Hock angularity        | 93    | straight   |    | ■  | ■   |     |     | sickled      |
| Hock develop.          | 97    | swollen    |    | ■  | ■   |     |     | dry          |
| Pasterns               | 108   | weak       |    | ■  | ■   |     |     | strong       |
| Foot angle             | 110   | low angles |    | ■  | ■   |     |     | steep angles |
| Fore udder length      | 103   | short      |    |    | ■   |     |     | long         |
| Rear udder length      | 107   | short      |    |    | ■   |     |     | long         |
| Fore udder attachment  | 106   | loose      |    |    | ■   |     |     | tight        |
| Susp. ligament         | 104   | weak       |    |    | ■   |     |     | strong       |
| Udder depth            | 110   | deep       |    |    | ■■■ |     |     | high         |
| Teat length            | 117   | short      |    | ■  | ■■■ |     |     | long         |
| Teat thickness         | 97    | thin       |    | ■  | ■   |     |     | thick        |
| Teat placement (front) | 111   | wide       |    | ■  | ■■■ |     |     | close        |
| Teat placement (rear)  | 103   | wide       |    | ■  | ■■■ |     |     | close        |
| Teat direction (rear)  | 88    | outwards   |    | ■  | ■■■ |     |     | inwards      |
| Udder cleanness        | 102   | add. teats |    |    | ■   |     |     | clean udder  |

# WRANGLR Pp\*

HBNr. 10/866008  
LOM DE 09 53575954  
Born 06.07.2018

## WENDLINGER

WILLE  
CHIARA  
ARIANNE Pp\*  
1/281 7.220 4,25 3,65 570  
MAHANGO Pp\*  
ARCHE MANGOPE

## Milk



Total merit index (Proof: August 2019)

**gGZW 134** 66%

### Milk performance

**MW 126** 71%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +1152   | -0,05 | +44    | -0,11   | +31     |

### Beef performance

**FW 101** 65%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 101            | 101                | 100     |

### Functional traits

**FIT 116** 69%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 119 | 110 | 121  | 118 | 109              | 111              | 102  | 103 | 58%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 102   |            |    |    | ■   |     |     |              |
| Muscling               | 86    |            |    |    | ■■■ |     |     |              |
| Feet & Legs            | 111   |            |    |    | ■■■ |     |     |              |
| Udder                  | 110   |            |    |    | ■■■ |     |     |              |
| Height at cross        | 107   | small      |    |    |     |     |     | large        |
| Body length            | 102   | short      |    |    |     |     |     | long         |
| Rump width             | 93    | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 95    | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 119   | ascending  |    |    | ■   | ■■■ |     | sloped       |
| Hock angularity        | 100   | straight   |    | ■  | ■   |     |     | sickled      |
| Hock develop.          | 108   | swollen    |    | ■  | ■   |     |     | dry          |
| Pasterns               | 103   | weak       |    | ■  | ■   |     |     | strong       |
| Foot angle             | 108   | low angles |    | ■  | ■   |     |     | steep angles |
| Fore udder length      | 108   | short      |    |    | ■   | ■   |     | long         |
| Rear udder length      | 111   | short      |    |    | ■   | ■   |     | long         |
| Fore udder attachment  | 101   | loose      |    |    | ■   | ■   |     | tight        |
| Susp. ligament         | 103   | weak       |    |    | ■   | ■   |     | strong       |
| Udder depth            | 100   | deep       |    |    | ■■■ |     |     | high         |
| Teat length            | 102   | short      |    | ■  | ■   |     |     | long         |
| Teat thickness         | 104   | thin       |    | ■  | ■   |     |     | thick        |
| Teat placement (front) | 101   | wide       |    | ■  | ■■■ |     |     | close        |
| Teat placement (rear)  | 90    | wide       |    | ■  | ■■■ |     |     | close        |
| Teat direction (rear)  | 98    | outwards   |    | ■  | ■■■ |     |     | inwards      |
| Udder cleanness        | 106   | add. teats |    |    | ■   | ■   |     | clean udder  |

# VELIANO P\*S

HBNr. 10/854282  
LOM AT 979.301.738  
Born 15.03.2018

## VESPASIAN P\*S

- REUMUT
- CANADA
- MAHANGO Pp\*
- TERAKOTA
- MERTIN

TAUBE Pp\*  
1/1 10.016 4,12 3,42 756

5/4 10.043 4,00 3,50 753

### Milk

### Fitness

### Beef



A2A2

AB

Polled

Total merit index (Proof: August 2019)

**gGZW 132** 60%

#### Milk performance

**MW 127** 66%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1005   | ±0,00 | +41    | -0,02   | +33      |

#### Beef performance

**FW 110** 57%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 112            | 103                | 110      |

#### Functional traits

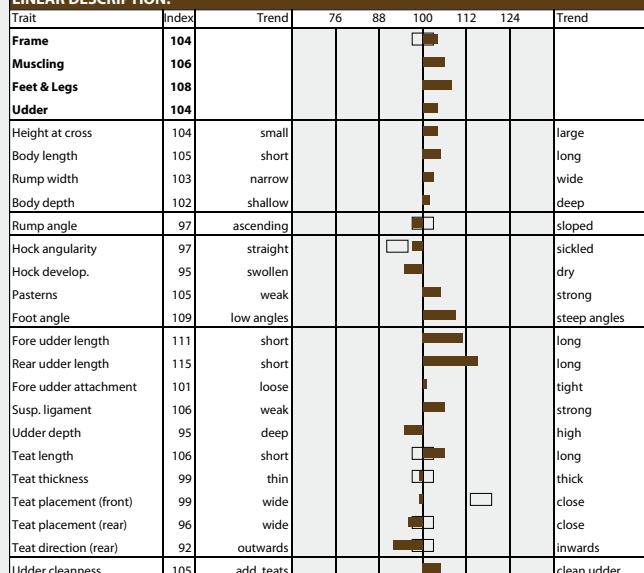
**FIT 113** 64%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 110 | 105 | 103  | 112 | 109              | 104              | 111  | 107 | 53%         |



TAUBE - Dam of Veliano PS

#### LINEAR DESCRIPTION:



# MALAGA Pp\*

HBNr. 10/427060  
LOM DE 08 16809429  
Born 17.07.2017

aAa 426531

## MAHANGO Pp\*

- MUNGO PP
- FALTER
- DORTY
- REUMUT
- DORTHE
- ROTAX

3/2 10.565 3,94 3,66 803

3/3 7.164 3,65 3,59 519

### Milk

### Fitness

### Udder



A1A2

AA

Polled

Total merit index (Proof: August 2019)

**gGZW 131** 68%

#### Milk performance

**MW 124** 74%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +876    | +0,01 | +37    | ±0,00   | +31      |

#### Beef performance

**FW 106** 68%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 94             | 113                | 101      |

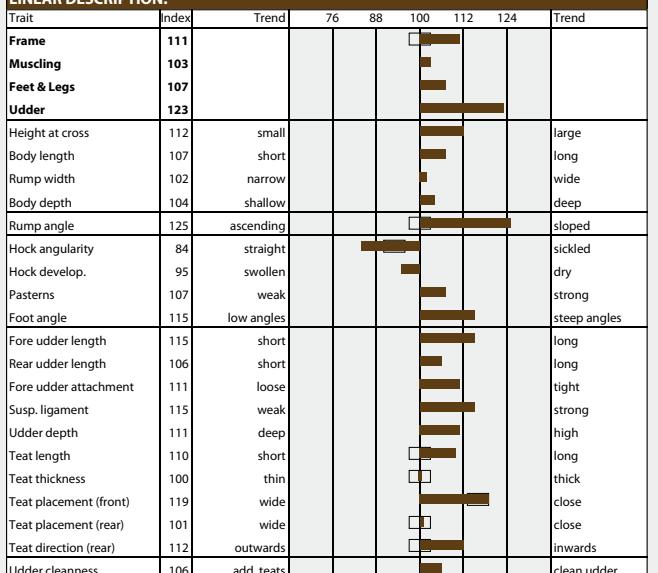
#### Functional traits

**FIT 117** 72%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 100 | 110 | 104  | 116 | 119              | 113              | 110  | 103 | 59%         |



#### LINEAR DESCRIPTION:



# MAYBACH PP\*

HBNr. 10/857990  
LOM DE 09 52785787  
Born 11.09.2017

aAa 453162



Dual purpose

Fitness

Udder



A1A2

AA

Polled

Total merit index (Proof: August 2019)

**gGZW 131** 66%

Milk performance

**MW 115** 72%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +799    | -0,10 | +25    | -0,11   | +19      |

Beef performance

**FW 118** 67%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 118            | 114                | 111      |

Functional traits

**FIT 120** 70%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 99 | 114 | 103  | 118 | 102              | 115              | 115  | 100 | 57%         |



## LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 105   |            |    |    | ■   |     |     |              |
| Muscling               | 108   |            |    |    | ■   | ■   |     |              |
| Feet & Legs            | 101   |            |    |    | ■   | ■   |     |              |
| Udder                  | 115   |            |    |    | ■   | ■   | ■   |              |
| Height at cross        | 106   | small      |    |    |     |     |     | large        |
| Body length            | 107   | short      |    |    |     |     |     | long         |
| Rump width             | 105   | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 100   | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 107   | ascending  |    | ■  | ■   |     |     | sloped       |
| Hock angularity        | 96    | straight   |    | ■  | ■   |     |     | sickled      |
| Hock develop.          | 108   | swollen    |    |    | ■   |     |     | dry          |
| Pasterns               | 102   | weak       |    |    | ■   |     |     | strong       |
| Foot angle             | 101   | low angles |    |    | ■   |     |     | steep angles |
| Fore udder length      | 112   | short      |    |    | ■   |     |     | long         |
| Rear udder length      | 102   | short      |    |    | ■   |     |     | long         |
| Fore udder attachment  | 110   | loose      |    |    | ■   |     |     | tight        |
| Susp. ligament         | 107   | weak       |    |    | ■   |     |     | strong       |
| Udder depth            | 112   | deep       |    |    | ■   |     |     | high         |
| Teat length            | 117   | short      |    | ■  | ■   |     |     | long         |
| Teat thickness         | 92    | thin       |    |    | ■   |     |     | thick        |
| Teat placement (front) | 90    | wide       |    |    | ■   |     |     | close        |
| Teat placement (rear)  | 93    | wide       |    |    | ■   |     |     | close        |
| Teat direction (rear)  | 101   | outwards   |    |    | ■   |     |     | inwards      |
| Udder cleanness        | 98    | add. teats |    |    | ■   |     |     | clean udder  |

# MAESTRO Pp\*

HBNr. 10/167530  
LOM DE 09 52463595  
Born 20.03.2017

aAa 546132



Milk

Udder

Fitness



A2A2

AA

Polled

Total merit index (Proof: August 2019)

**gGZW 130** 67%

Milk performance

**MW 121** 73%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +732    | +0,08 | +37    | -0,03   | +23      |

Beef performance

**FW 109** 67%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 107            | 102                | 111      |

Functional traits

**FIT 115** 71%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 108 | 102 | 116  | 114 | 100              | 118              | 110  | 100 | 58%         |



DORTHE - Dam of MaestroPp

## LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 101   |            |    |    | ■   |     |     |              |
| Muscling               | 107   |            |    |    | ■   |     |     |              |
| Feet & Legs            | 109   |            |    |    | ■   | ■   |     |              |
| Udder                  | 122   |            |    |    | ■   | ■   | ■   |              |
| Height at cross        | 99    | small      |    |    | ■   |     |     | large        |
| Body length            | 102   | short      |    |    | ■   |     |     | long         |
| Rump width             | 100   | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 103   | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 114   | ascending  |    | ■  | ■   |     |     | sloped       |
| Hock angularity        | 90    | straight   |    |    | ■   |     |     | sickled      |
| Hock develop.          | 99    | swollen    |    |    | ■   |     |     | dry          |
| Pasterns               | 106   | weak       |    |    | ■   |     |     | strong       |
| Foot angle             | 113   | low angles |    |    | ■   |     |     | steep angles |
| Fore udder length      | 117   | short      |    |    | ■   |     |     | long         |
| Rear udder length      | 99    | short      |    |    | ■   |     |     | long         |
| Fore udder attachment  | 112   | loose      |    |    | ■   |     |     | tight        |
| Susp. ligament         | 106   | weak       |    |    | ■   |     |     | strong       |
| Udder depth            | 105   | deep       |    |    | ■   |     |     | high         |
| Teat length            | 97    | short      |    |    | ■   |     |     | long         |
| Teat thickness         | 101   | thin       |    |    | ■   |     |     | thick        |
| Teat placement (front) | 115   | wide       |    |    | ■   |     |     | close        |
| Teat placement (rear)  | 108   | wide       |    |    | ■   |     |     | close        |
| Teat direction (rear)  | 118   | outwards   |    |    | ■   |     |     | inwards      |
| Udder cleanness        | 100   | add. teats |    |    | ■   |     |     | clean udder  |



# MAILAND PP\*

HBNr. 10/862620  
LOM DE 09 53607697  
Born 05.05.2018

**MYTHOS Pp\*** └── MAHANGO PP\*  
                  └── TEXAS  
**TABEA Pp\*** └── INCREDIBLE PP\*  
                  └── THEA └── HUTERA  
1/1 9.158 4,53 3,60 745 1/1 8.105 4,74 3,86 697

## Frame

## Milk

## Fitness



A1A2

AA

Polled

Total merit index (Proof: August 2019)

**gGZW 130** 59%

### Milk performance

**MW 120** 65%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +640    | +0,07 | +32    | +0,01   | +23      |

### Beef performance

**FW 116** 57%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 113            | 120                | 104      |

### Functional traits

**FIT 119** 63%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 99 | 112 | 112  | 116 | 113              | 108              | 116  | 93  | 54%         |



### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112   | 124 | Trend |
|------------------------|-------|------------|----|----|-------|-------|-----|-------|
| Frame                  | 124   |            |    |    | ■     | ■■■■■ |     |       |
| Muscling               | 99    |            |    |    | ■■■■■ |       |     |       |
| Feet & Legs            | 108   |            |    |    | ■■■■■ |       |     |       |
| Udder                  | 113   |            |    |    | ■■■■■ |       |     |       |
| Height at cross        | 129   | small      |    |    |       |       |     |       |
| Body length            | 123   | short      |    |    |       |       |     |       |
| Rump width             | 105   | narrow     |    |    |       |       |     |       |
| Body depth             | 105   | shallow    |    |    |       |       |     |       |
| Rump angle             | 120   | ascending  |    |    | ■■■■■ |       |     |       |
| Hock angularity        | 106   | straight   |    |    | ■■■■■ |       |     |       |
| Hock develop.          | 108   | swollen    |    |    | ■■■■■ |       |     |       |
| Pasterns               | 105   | weak       |    |    | ■■■■■ |       |     |       |
| Foot angle             | 114   | low angles |    |    | ■■■■■ |       |     |       |
| Fore udder length      | 97    | short      |    |    |       |       |     |       |
| Rear udder length      | 101   | short      |    |    |       |       |     |       |
| Fore udder attachment  | 117   | loose      |    |    |       |       |     |       |
| Susp. ligament         | 109   | weak       |    |    |       |       |     |       |
| Udder depth            | 122   | deep       |    |    |       |       |     |       |
| Teat length            | 103   | short      |    |    |       |       |     |       |
| Teat thickness         | 96    | thin       |    |    |       |       |     |       |
| Teat placement (front) | 99    | wide       |    |    |       |       |     |       |
| Teat placement (rear)  | 98    | wide       |    |    |       |       |     |       |
| Teat direction (rear)  | 98    | outwards   |    |    |       |       |     |       |
| Udder cleanliness      | 107   | add. teats |    |    |       |       |     |       |

# MAHONI Pp\*

HBNr. 10/606244  
LOM AT 892.538.729  
Born 28.03.2016

aAa 432561

### MAHANGO Pp\*

└── MUNGO PP  
      └── FALTER  
└── BARONIN-ET  
      └── REUMUT  
          └── BERLIN └── WINNIPEG  
9/9 11.456 4,14 3,47 872

## Dual purpose

## Type

## Fitness



A1A2

AA

Polled

Total merit index (Proof: August 2019)

**gGZW 130** 72%

### Milk performance

**MW 119** 75%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +731    | -0,04 | +27    | ±0,00   | +26      |

### Beef performance

**FW 110** 69%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 109            | 103                | 112      |

### Functional traits

**FIT 119** 75%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 95 | 117 | 95   | 117 | 105              | 114              | 109  | 111 | 94%         |



POLLED  
BARONIN - Dam of Mahoni Pp

### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100   | 112   | 124 | Trend |
|------------------------|-------|------------|----|----|-------|-------|-----|-------|
| Frame                  | 116   |            |    |    | ■     | ■■■■■ |     |       |
| Muscling               | 122   |            |    |    | ■■■■■ |       |     |       |
| Feet & Legs            | 108   |            |    |    | ■■■■■ |       |     |       |
| Udder                  | 122   |            |    |    | ■■■■■ |       |     |       |
| Height at cross        | 113   | small      |    |    |       |       |     |       |
| Body length            | 114   | short      |    |    |       |       |     |       |
| Rump width             | 112   | narrow     |    |    |       |       |     |       |
| Body depth             | 115   | shallow    |    |    |       |       |     |       |
| Rump angle             | 109   | ascending  |    |    | ■■■■■ |       |     |       |
| Hock angularity        | 92    | straight   |    |    | ■■■■■ |       |     |       |
| Hock develop.          | 87    | swollen    |    |    | ■■■■■ |       |     |       |
| Pasterns               | 111   | weak       |    |    | ■■■■■ |       |     |       |
| Foot angle             | 119   | low angles |    |    | ■■■■■ |       |     |       |
| Fore udder length      | 109   | short      |    |    |       |       |     |       |
| Rear udder length      | 97    | short      |    |    |       |       |     |       |
| Fore udder attachment  | 114   | loose      |    |    |       |       |     |       |
| Susp. ligament         | 105   | weak       |    |    |       |       |     |       |
| Udder depth            | 112   | deep       |    |    |       |       |     |       |
| Teat length            | 104   | short      |    |    |       |       |     |       |
| Teat thickness         | 101   | thin       |    |    |       |       |     |       |
| Teat placement (front) | 112   | wide       |    |    |       |       |     |       |
| Teat placement (rear)  | 106   | wide       |    |    |       |       |     |       |
| Teat direction (rear)  | 118   | outwards   |    |    |       |       |     |       |
| Udder cleanliness      | 102   | add. teats |    |    |       |       |     |       |

# GRANDIOS PP\*

HBNr. 10/606486  
LOM AT 010.410.968  
Born 15.12.2017



Milk

Beef

Persistence



A2A2

AB

Polled

Total merit index (Proof: August 2019)

**gGZW 129** 61%

Milk performance

**MW 126** 66%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1058   | -0,08 | +37    | -0,03   | +35      |

Beef performance

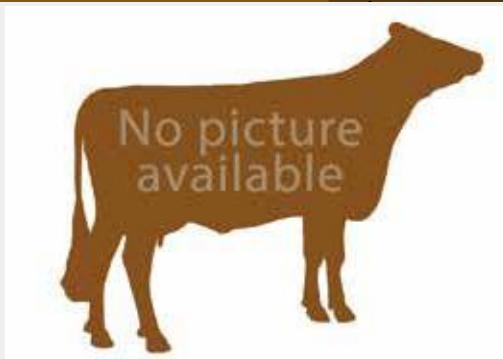
**FW 112** 61%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 113            | 110                | 106      |

Functional traits

**FIT 105** 64%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 114 | 105 | 122  | 110 | 99               | 104              | 88   | 93  | 57%         |



POLLED

# MAJESTAET PP\*

HBNr. 10/862413  
LOM DE 09 52396899  
Born 16.07.2017

aAa 435261

MAHANGO Pp\*

NICOL Pp\*  
1/1 8.773 4,66 3,42 709

MUNGO PP

FALTER

VOTARY P\*S

NATALIE 4/4 11.593 4,21 3,50 894

RALMESBACH PS

Milk

Fitness

Type



A1A2

AA

Polled

Total merit index (Proof: August 2019)

**gGZW 129** 67%

Milk performance

**MW 125** 72%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +1021   | +0,02 | +45    | -0,10   | +27      |

Beef performance

**FW 103** 67%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 109            | 91                 | 109      |

Functional traits

**FIT 111** 70%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 107 | 107 | 99   | 110 | 104              | 116              | 108  | 103 | 58%         |



NICOLE - Dam of Majestaet PP

## LINEAR DESCRIPTION:

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

## LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 109   |            |    |    | □   |     |     |              |
| Muscling               | 105   |            |    |    | ■   |     |     |              |
| Feet & Legs            | 111   |            |    |    | ■   |     |     |              |
| Udder                  | 116   |            |    |    | ■   |     |     |              |
| Height at cross        | 112   | small      |    |    |     |     |     | large        |
| Body length            | 107   | short      |    |    |     |     |     | long         |
| Rump width             | 102   | narrow     |    |    |     |     |     | wide         |
| Body depth             | 107   | shallow    |    |    |     |     |     | deep         |
| Rump angle             | 115   | ascending  |    |    | □   | ■   |     | sloped       |
| Hock angularity        | 93    | straight   |    |    | ■   | ■   |     | sickled      |
| Hock develop.          | 97    | swollen    |    |    | ■   | ■   |     | dry          |
| Pasterns               | 115   | weak       |    |    | ■   | ■   |     | strong       |
| Foot angle             | 117   | low angles |    |    | ■   | ■   |     | steep angles |
| Fore udder length      | 116   | short      |    |    | ■   | ■   |     | long         |
| Rear udder length      | 116   | short      |    |    | ■   | ■   |     | long         |
| Fore udder attachment  | 113   | loose      |    |    | ■   | ■   |     | tight        |
| Susp. ligament         | 101   | weak       |    |    | ■   | ■   |     | strong       |
| Udder depth            | 106   | deep       |    |    | ■   | ■   |     | high         |
| Teat length            | 98    | short      |    |    | ■   | ■   |     | long         |
| Teat thickness         | 99    | thin       |    |    | ■   | ■   |     | thick        |
| Teat placement (front) | 95    | wide       |    |    | ■   | ■   |     | close        |
| Teat placement (rear)  | 102   | wide       |    |    | ■   | ■   |     | close        |
| Teat direction (rear)  | 113   | outwards   |    |    | ■   | ■   |     | inwards      |
| Udder cleanness        | 101   | add. teats |    |    | ■   | ■   |     | clean udder  |

# HUTLAND Pp\*

HBNr. 10/606521  
LOM AT 875.047.568  
Born 02.07.2018

GS HUT AB

- HARIKO
- STRUPPI
- INCREDIBLE PP\*  
LEONIE
- WALDBRAND

LUSYI Pp\*  
3/2 6.768 5,20 3,51 590

Dual purpose

Udder

Components



A1A1

AA

Polled

Total merit index (Proof: August 2019)

**gGZW 129** 61%

Milk performance

**MW 123** 66%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +658    | +0,11 | +36    | +0,06   | +28      |

Beef performance

**FW 110** 57%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 105            | 111                | 107      |

Functional traits

**FIT 115** 65%

| MS  | SCC | Pers | PL  | Calving ease pat | mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|-----|------|-----|-------------|
| 110 | 113 | 101  | 113 | 105              | 108 | 114  | 96  | 59%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 106   |            |    |    | □   | ■   |     |              |
| Muscling               | 96    |            |    |    | ■   |     |     |              |
| Feet & Legs            | 108   |            |    |    | ■   | ■   |     |              |
| Udder                  | 128   |            |    |    | ■   | ■   | ■   |              |
| Height at cross        | 107   | small      |    |    | ■   | ■   |     | large        |
| Body length            | 111   | short      |    |    | ■   | ■   |     | long         |
| Rump width             | 101   | narrow     |    |    | ■   | ■   |     | wide         |
| Body depth             | 100   | shallow    |    |    | ■   | ■   |     | deep         |
| Rump angle             | 105   | ascending  |    |    | □   | ■   |     | sloped       |
| Hock angularity        | 104   | straight   |    |    | □   | ■   |     | sickled      |
| Hock develop.          | 111   | swollen    |    |    | ■   | ■   |     | dry          |
| Pasterns               | 106   | weak       |    |    | ■   | ■   |     | strong       |
| Foot angle             | 107   | low angles |    |    | ■   | ■   |     | steep angles |
| Fore udder length      | 113   | short      |    |    | ■   | ■   |     | long         |
| Rear udder length      | 101   | short      |    |    | ■   | ■   |     | long         |
| Fore udder attachment  | 120   | loose      |    |    | ■   | ■   |     | tight        |
| Susp. ligament         | 112   | weak       |    |    | ■   | ■   |     | strong       |
| Udder depth            | 113   | deep       |    |    | ■   | ■   |     | high         |
| Teat length            | 80    | short      |    |    | ■   | ■   |     | long         |
| Teat thickness         | 81    | thin       |    |    | ■   | ■   |     | thick        |
| Teat placement (front) | 113   | wide       |    |    | ■   | ■   |     | close        |
| Teat placement (rear)  | 101   | wide       |    |    | □   | ■   |     | close        |
| Teat direction (rear)  | 119   | outwards   |    |    | ■   | ■   |     | inwards      |
| Udder cleanliness      | 104   | add. teats |    |    | ■   | ■   |     | clean udder  |

# MAGNET Pp\*

HBNr. 10/164780  
LOM DE 09 51943695  
Born 14.01.2017

aAa 534162

MAHANGO Pp\*

- MUNGO PP
- FALTER
- VLAX
- SCALETT
- VANSTEIN

SABINA  
2/2 8.523 4,07 3,62 656

Milk



A2A2

AA

Polled

Total merit index (Proof: August 2019)

**gGZW 128** 68%

Milk performance

**MW 125** 73%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +943    | +0,02 | +40    | -0,02   | +31      |

Beef performance

**FW 99** 67%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 101            | 94                 | 102      |

Functional traits

**FIT 112** 71%

| MS  | SCC | Pers | PL  | Calving ease pat | mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|-----|------|-----|-------------|
| 113 | 101 | 118  | 113 | 99               | 105 | 102  | 101 | 72%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 106   |            |    |    | □   | ■   |     |              |
| Muscling               | 105   |            |    |    | ■   |     |     |              |
| Feet & Legs            | 112   |            |    |    | ■   | ■   |     |              |
| Udder                  | 117   |            |    |    | ■   | ■   | ■   |              |
| Height at cross        | 106   | small      |    |    | ■   | ■   |     | large        |
| Body length            | 111   | short      |    |    | ■   | ■   |     | long         |
| Rump width             | 103   | narrow     |    |    | ■   | ■   |     | wide         |
| Body depth             | 107   | shallow    |    |    | ■   | ■   |     | deep         |
| Rump angle             | 105   | ascending  |    |    | □   | ■   |     | sloped       |
| Hock angularity        | 100   | straight   |    |    | □   | ■   |     | sickled      |
| Hock develop.          | 106   | swollen    |    |    | ■   | ■   |     | dry          |
| Pasterns               | 103   | weak       |    |    | ■   | ■   |     | strong       |
| Foot angle             | 114   | low angles |    |    | ■   | ■   |     | steep angles |
| Fore udder length      | 107   | short      |    |    | ■   | ■   |     | long         |
| Rear udder length      | 100   | short      |    |    | ■   | ■   |     | long         |
| Fore udder attachment  | 120   | loose      |    |    | ■   | ■   |     | tight        |
| Susp. ligament         | 99    | weak       |    |    | ■   | ■   |     | strong       |
| Udder depth            | 115   | deep       |    |    | ■   | ■   |     | high         |
| Teat length            | 113   | short      |    |    | ■   | ■   |     | long         |
| Teat thickness         | 106   | thin       |    |    | ■   | ■   |     | thick        |
| Teat placement (front) | 100   | wide       |    |    | ■   | ■   |     | close        |
| Teat placement (rear)  | 99    | wide       |    |    | □   | ■   |     | close        |
| Teat direction (rear)  | 99    | outwards   |    |    | ■   | ■   |     | inwards      |
| Udder cleanliness      | 102   | add. teats |    |    | ■   | ■   |     | clean udder  |

# WEISSDORN Pp\*

HBNr. 10/190950  
LOM DE 09 52324131  
Born 31.07.2017

aAa 342561

## WOBBLER



MIMU PP\*  
2/2 9.368 4,19 3,20 692

## Milk

## Fitness

## Feet & Legs



A1A1

AA

Polled

Total merit index (Proof: August 2019)

**gGZW 127** 66%

### Milk performance

**MW 120** 71%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +831    | -0,04 | +31    | -0,04   | +26     |

### Beef performance

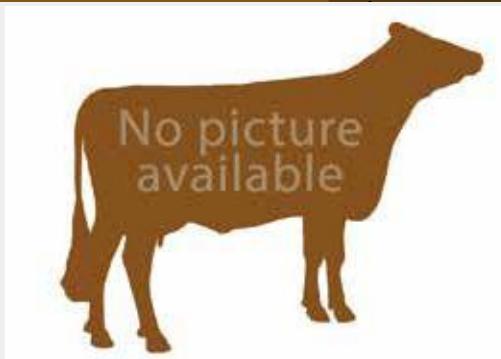
**FW 104** 66%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 101            | 100                | 107     |

### Functional traits

**FIT 114** 70%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 109 | 111 | 116  | 114 | 106              | 111              | 103  | 99  | 56%         |



### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 107   |            |    |    | ■   | ■   |     |              |
| Muscling               | 103   |            |    |    | ■   |     |     |              |
| Feet & Legs            | 112   |            |    |    | ■   | ■   |     |              |
| Udder                  | 101   |            |    |    | ■   |     |     |              |
| Height at cross        | 109   | small      |    |    | ■   |     |     | large        |
| Body length            | 104   | short      |    |    | ■   |     |     | long         |
| Rump width             | 105   | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 102   | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 98    | ascending  |    |    | ■   |     |     | sloped       |
| Hock angularity        | 92    | straight   |    |    | ■   |     |     | sickled      |
| Hock develop.          | 97    | swollen    |    |    | ■   |     |     | dry          |
| Pasterns               | 107   | weak       |    |    | ■   |     |     | strong       |
| Foot angle             | 110   | low angles |    |    | ■   |     |     | steep angles |
| Fore udder length      | 111   | short      |    |    | ■   |     |     | long         |
| Rear udder length      | 109   | short      |    |    | ■   |     |     | long         |
| Fore udder attachment  | 105   | loose      |    |    | ■   |     |     | tight        |
| Susp. ligament         | 98    | weak       |    |    | ■   |     |     | strong       |
| Udder depth            | 93    | deep       |    |    | ■   |     |     | high         |
| Teat length            | 99    | short      |    |    | ■   |     |     | long         |
| Teat thickness         | 106   | thin       |    |    | ■   |     |     | thick        |
| Teat placement (front) | 100   | wide       |    |    | ■   |     |     | close        |
| Teat placement (rear)  | 97    | wide       |    |    | ■   |     |     | close        |
| Teat direction (rear)  | 99    | outwards   |    |    | ■   |     |     | inwards      |
| Udder cleanliness      | 94    | add. teats |    |    | ■   |     |     | clean udder  |

# HOFFNUNG PS

HBNr. 10/180421  
LOM DE 09 49238100  
Born 30.04.2014

Pigm.: 26 %

## HUTERA



DE 09 47303686

HUTMANN

WANDERA

WITZBOLD

HAWAI

INDIGO

4/3

9.086

4,33

3,51

713

## Beef

## Frame

## Calving ease



A2A2

AA

Polled

Total merit index (Proof: August 2019)

**gGZW 125** 79%

### Milk performance

**MW 115** 84%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +449    | +0,02 | +21    | +0,10   | +23     |

### Beef performance

**FW 132** 94%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 129            | 130                | 117     |

### Functional traits

**FIT 100** 77%

| MS  | SCC | Pers | PL | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|----|------------------|------------------|------|-----|-------------|
| 108 | 99  | 98   | 98 | 115              | 102              | 100  | 104 | 93%         |



### LINEAR DESCRIPTION:

| Trait           | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|-----------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame           | 115   |            |    |    | ■   | ■   |     |              |
| Muscling        | 102   |            |    |    | ■   |     |     | large        |
| Feet & Legs     | 97    |            |    |    | ■   |     |     | long         |
| Udder           | 104   |            |    |    | ■   |     |     | wide         |
| Height at cross | 114   | small      |    |    | ■   |     |     | deep         |
| Body length     | 118   | short      |    |    | ■   |     |     | sloped       |
| Rump width      | 110   | narrow     |    |    | ■   |     |     | sickled      |
| Body depth      | 107   | shallow    |    |    | ■   |     |     | dry          |
| Rump angle      | 107   | ascending  |    |    | ■   |     |     | strong       |
| Hock angularity | 93    | straight   |    |    | ■   |     |     | steep angles |
| Hock develop.   | 89    | swollen    |    |    | ■   |     |     | inwards      |
| Pasterns        | 94    | weak       |    |    | ■   |     |     | outwards     |
| Foot angle      | 109   | low angles |    |    | ■   |     |     | clean udder  |



# POLLEDKING PP\*

HBNr. 10/167577  
LOM DE 09 52661072  
Born 04.10.2017

## PARTNACH PP\*

- GS POLLED PP\*  
1718
- INCREDIBLE PP\*  
AEGIDIA 3/3 8.634 4,41 3,61 693
- VALERO PS

AGNES Pp\*  
1/1 7.512 3,94 3,43 554

### Udder

### Fitness

### Components



A2A2

BB

Polled

Total merit index (Proof: August 2019)

**gGZW 125** 61%

#### Milk performance

**MW 114** 67%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +379    | +0,06 | +20    | +0,09   | +20      |

#### Beef performance

**FW 103** 62%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 111            | 100                | 99       |

#### Functional traits

**FIT 121** 65%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 95 | 112 | 109  | 115 | 101              | 114              | 116  | 106 | 56%         |



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 103   |            |    |    | □   | ■   |     |              |
| Muscling               | 103   |            |    |    | ■   |     |     |              |
| Feet & Legs            | 109   |            |    |    | ■   | ■   |     |              |
| Udder                  | 125   |            |    |    | ■   | ■   | ■   |              |
| Height at cross        | 100   | small      |    |    |     |     |     | large        |
| Body length            | 109   | short      |    |    |     |     |     | long         |
| Rump width             | 101   | narrow     |    |    |     |     |     | wide         |
| Body depth             | 102   | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 97    | ascending  |    |    | ■   | □   |     | sloped       |
| Hock angularity        | 96    | straight   |    |    | □   | ■   |     | sickled      |
| Hock develop.          | 97    | swollen    |    |    | ■   |     |     | dry          |
| Pasterns               | 106   | weak       |    |    | ■   |     |     | strong       |
| Foot angle             | 107   | low angles |    |    | ■   |     |     | steep angles |
| Fore udder length      | 102   | short      |    |    | ■   |     |     | long         |
| Rear udder length      | 99    | short      |    |    | ■   |     |     | long         |
| Fore udder attachment  | 127   | loose      |    |    | ■   | ■   |     | tight        |
| Susp. ligament         | 105   | weak       |    |    | ■   |     |     | strong       |
| Udder depth            | 118   | deep       |    |    | ■   | ■   |     | high         |
| Teat length            | 97    | short      |    |    | ■   | □   |     | long         |
| Teat thickness         | 90    | thin       |    |    | ■   | ■   |     | thick        |
| Teat placement (front) | 119   | wide       |    |    | ■   | ■   |     | close        |
| Teat placement (rear)  | 99    | wide       |    |    | □   | ■   |     | close        |
| Teat direction (rear)  | 105   | outwards   |    |    | ■   | ■   |     | inwards      |
| Udder cleanliness      | 103   | add. teats |    |    | ■   |     |     | clean udder  |

# MANOLO Pp\*

HBNr. 10/856830  
LOM DE 09 48496774  
Born 16.02.2015

aAa 324615

## MANIGO

- MANDELA

- NITTI

## FANFEE

5/4 9.231 4,17 3,49 707

- WAPULS

- FANTA P

7/7 8.577 3,60 3,46 606

### Type

### Fitness

### Calving ease



A2A2

AA

Polled

Total merit index (Proof: August 2019)

**gGZW 124** 73%

#### Milk performance

**MW 111** 73%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +839    | -0,37 | +4     | -0,03   | +27      |

#### Beef performance

**FW 109** 94%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 108            | 107                | 105      |

#### Functional traits

**FIT 119** 74%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 98 | 115 | 98   | 120 | 119              | 98               | 106  | 119 | 99%         |



FANFEE - Dam of Manolo Pp

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 118   |            |    |    | □   | ■   |     |              |
| Muscling               | 116   |            |    |    | ■   | ■   |     |              |
| Feet & Legs            | 118   |            |    |    | ■   | ■   |     |              |
| Udder                  | 111   |            |    |    | ■   | ■   |     |              |
| Height at cross        | 119   | small      |    |    |     |     |     | large        |
| Body length            | 117   | short      |    |    |     |     |     | long         |
| Rump width             | 109   | narrow     |    |    |     |     |     | wide         |
| Body depth             | 106   | shallow    |    |    |     |     |     | deep         |
| Rump angle             | 115   | ascending  |    |    | □   | ■   |     | sloped       |
| Hock angularity        | 100   | straight   |    |    | □   | ■   |     | sickled      |
| Hock develop.          | 115   | swollen    |    |    | ■   |     |     | dry          |
| Pasterns               | 106   | weak       |    |    | ■   |     |     | strong       |
| Foot angle             | 110   | low angles |    |    | ■   | ■   |     | steep angles |
| Fore udder length      | 111   | short      |    |    | ■   | ■   |     | long         |
| Rear udder length      | 111   | short      |    |    | ■   | ■   |     | long         |
| Fore udder attachment  | 104   | loose      |    |    | ■   | ■   |     | tight        |
| Susp. ligament         | 100   | weak       |    |    | ■   | ■   |     | strong       |
| Udder depth            | 106   | deep       |    |    | ■   | ■   |     | high         |
| Teat length            | 92    | short      |    |    | ■   | ■   |     | long         |
| Teat thickness         | 94    | thin       |    |    | ■   | ■   |     | thick        |
| Teat placement (front) | 94    | wide       |    |    | ■   | ■   |     | close        |
| Teat placement (rear)  | 104   | wide       |    |    | ■   | ■   |     | close        |
| Teat direction (rear)  | 106   | outwards   |    |    | ■   | ■   |     | inwards      |
| Udder cleanliness      | 101   | add. teats |    |    | ■   |     |     | clean udder  |

# VOLLGAS P\*S

HBNr. 10/200000  
LOM DE 09 45624775  
Born 24.01.2014

aAa 432516

Pigm.: 13 %

**VALERO PS**

```

  VANSTEIN
  ESMERALDA
  ERMUT
  640
  3/3 8.152 4,82 3,66 692
  MALINT
  
```

755  
5/5 11.624 3,79 3,33 827

Feet & Legs

Dual purpose

Calving ease



A2A2

Polled

Total merit index (Proof: August 2019)

**gGZW 123** 93%

Milk performance

**MW 121** 99%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +746    | +0,03 | +34    | +0,02   | +28     |

Beef performance

**FW 113** 99%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 115            | 114                | 103     |

Functional traits

**FIT 98** 90%

| MS  | SCC | Pers | PL | Calving ease pat | mat | Fert | VIT | Reliability |
|-----|-----|------|----|------------------|-----|------|-----|-------------|
| 110 | 109 | 99   | 88 | 113              | 96  | 97   | 115 | 98%         |



WANGA - Daughter of Vollgas PS

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 96    |            |    |    | █   |     |     |              |
| Muscling               | 86    |            |    | █  | █   | █   |     |              |
| Feet & Legs            | 117   |            |    |    | █   | █   |     |              |
| Udder                  | 112   |            |    |    | █   | █   |     |              |
| Height at cross        | 101   | small      |    |    |     |     |     | large        |
| Body length            | 100   | short      |    |    |     |     |     | long         |
| Rump width             | 90    | narrow     |    | █  | █   |     |     | wide         |
| Body depth             | 87    | shallow    |    | █  | █   |     |     | deep         |
| Rump angle             | 82    | ascending  |    | █  | █   |     |     | sloped       |
| Hock angularity        | 98    | straight   |    | █  | █   |     |     | sickled      |
| Hock develop.          | 111   | swollen    |    |    | █   | █   |     | dry          |
| Pasterns               | 112   | weak       |    |    | █   | █   |     | strong       |
| Foot angle             | 103   | low angles |    |    | █   |     |     | steep angles |
| Fore udder length      | 104   | short      |    |    | █   |     |     | long         |
| Rear udder length      | 110   | short      |    |    | █   | █   |     | long         |
| Fore udder attachment  | 110   | loose      |    |    | █   | █   |     | tight        |
| Susp. ligament         | 89    | weak       |    | █  | █   |     |     | strong       |
| Udder depth            | 108   | deep       |    | █  | █   |     |     | high         |
| Teat length            | 92    | short      |    | █  | █   |     |     | long         |
| Teat thickness         | 88    | thin       |    | █  | █   |     |     | thick        |
| Teat placement (front) | 110   | wide       |    | █  | █   |     |     | close        |
| Teat placement (rear)  | 95    | wide       |    | █  | █   |     |     | close        |
| Teat direction (rear)  | 105   | outwards   |    | █  | █   |     |     | inwards      |
| Udder cleanliness      | 95    | add. teats |    | █  | █   |     |     | clean udder  |

# VOLLKOMMEN PP\*

HBNr. 10/191000  
LOM DE 09 52242221  
Born 23.05.2017

aAa 465231

**VERSACE PP\***

```

  VON WELT PP*
  FRIEDA
  PUTERA
  2/2 7.548 4,16 3,72 595
  
```

```

  HUTERA
  PUNA
  6/6 8.437 3,96 3,36 618
  RALMESBACH PS
  
```

Milk

Type

Longevity



A1A1  
AB  
Polled

Total merit index (Proof: August 2019)

**gGZW 123** 64%

Milk performance

**MW 116** 69%

| milk-kg | fat-% | fat-kg | prot.-% | prot-kg |
|---------|-------|--------|---------|---------|
| +800    | -0,14 | +22    | -0,05   | +24     |

Beef performance

**FW 111** 67%

| Daily net gain | Carcass percentage | prot-kg |
|----------------|--------------------|---------|
| 105            | 113                | 106     |

Functional traits

**FIT 111** 67%

| MS  | SCC | Pers | PL  | Calving ease pat | mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|-----|------|-----|-------------|
| 103 | 100 | 113  | 118 | 103              | 104 | 105  | 90  | 61%         |



PUSTA - Full sister to Vollkommen PP

#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 116   |            |    |    | █   |     |     |              |
| Muscling               | 108   |            |    |    | █   | █   |     | large        |
| Feet & Legs            | 110   |            |    |    | █   | █   |     | long         |
| Udder                  | 121   |            |    |    | █   | █   |     | wide         |
| Height at cross        | 117   | small      |    |    |     |     |     | deep         |
| Body length            | 118   | short      |    |    |     |     |     | sloped       |
| Rump width             | 108   | narrow     |    | █  | █   |     |     |              |
| Body depth             | 108   | shallow    |    | █  | █   |     |     |              |
| Rump angle             | 95    | ascending  |    | █  | █   |     |     |              |
| Hock angularity        | 99    | straight   |    | █  | █   |     |     | sickled      |
| Hock develop.          | 92    | swollen    |    |    | █   | █   |     | dry          |
| Pasterns               | 111   | weak       |    |    | █   | █   |     | strong       |
| Foot angle             | 108   | low angles |    | █  | █   |     |     | steep angles |
| Fore udder length      | 103   | short      |    |    | █   | █   |     | long         |
| Rear udder length      | 112   | short      |    |    | █   | █   |     | long         |
| Fore udder attachment  | 112   | loose      |    |    | █   | █   |     | tight        |
| Susp. ligament         | 98    | weak       |    | █  | █   |     |     | strong       |
| Udder depth            | 114   | deep       |    | █  | █   |     |     | high         |
| Teat length            | 94    | short      |    | █  | █   |     |     | long         |
| Teat thickness         | 99    | thin       |    | █  | █   |     |     | thick        |
| Teat placement (front) | 113   | wide       |    | █  | █   |     |     | close        |
| Teat placement (rear)  | 93    | wide       |    | █  | █   |     |     | close        |
| Teat direction (rear)  | 101   | outwards   |    | █  | █   |     |     | inwards      |
| Udder cleanliness      | 110   | add. teats |    | █  | █   |     |     | clean udder  |

# WITHOF P\*S

HBNr. 10/177559  
LOM DE 09 50147302  
Born 11.06.2014

Pigm.: 46 %

## WITAM P\*S

VERONA  
2/1 6.915 3,41 3,31 465



## Milk

## Beef

## Persistence



A1A2

AA  
Polled

Total merit index (Proof: August 2019)

**gGZW 121** 86%

### Milk performance

**MW 119** 93%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +967    | -0,09 | +32    | -0,11   | +25      |

### Beef performance

**FW 110** 99%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 113            | 107                | 106      |

### Functional traits

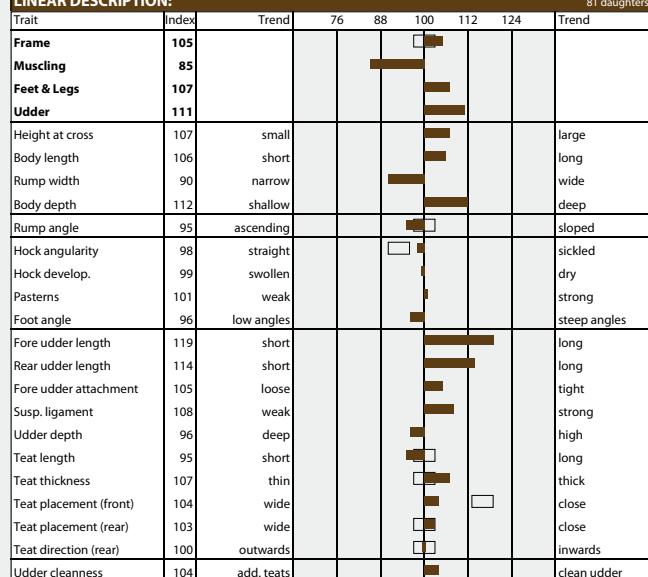
**FIT 101** 82%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 94 | 104 | 111  | 105 | 93               | 102              | 91   | 98  | 95%         |



OLWEIN - Daughter of Withof PS

### LINEAR DESCRIPTION:



# MURILLO Pp\*

HBNr. 10/190101  
LOM DE 09 48668362  
Born 14.06.2013

Pigm.: 35 %

GF: B2C

## MUNGO Pp

RAVAN Pp  
4/4 9.766 4,19 3,43 744

## MANITOBA

OTTI Pp  
4/4 9.261 3,74 3,18 641

## VANSTEIN

RALMESBACH PS  
4/4 9.261 3,74 3,18 641

## Feet & Legs

## Longevity

## Fitness



A2A2

Polled

Total merit index (Proof: August 2019)

**gGZW 121** 92%

### Milk performance

**MW 113** 98%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +807    | -0,16 | +21    | -0,14   | +17      |

### Beef performance

**FW 93** 98%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 94             | 98                 | 93       |

### Functional traits

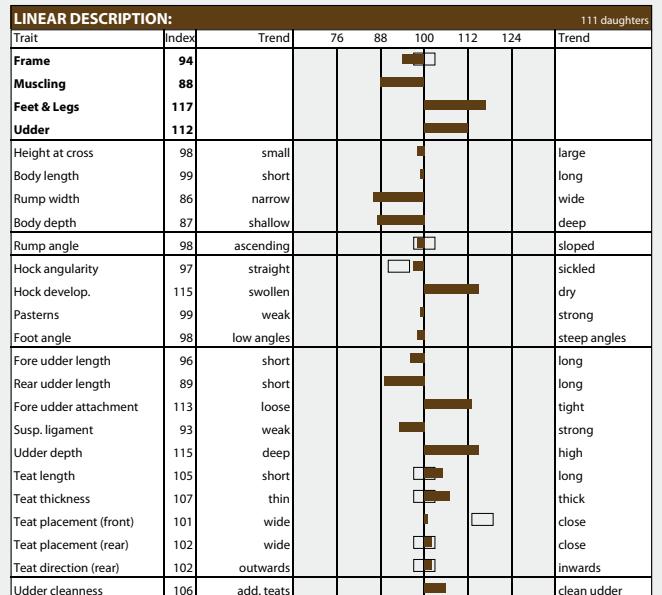
**FIT 116** 89%

| MS | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 98 | 108 | 114  | 118 | 109              | 109              | 111  | 98  | 94%         |



GEROLA - Daughter of Murillo Pp

### LINEAR DESCRIPTION:



# VODKA PP\*

HBNr. 10/858345  
LOM DE 09 53818332  
Born 24.06.2018

## VOTARY P\*S

- RUHMREICH PS
- GRANADA
- VOLLGAS P\*S**
- ESTELLA
- WABAN

ESTELLA Pp\*  
1/305 8.775 3,97 3,70 673

## Milk

## Udder health

## Milking speed



A2A2

BB

Polled

Total merit index (Proof: August 2019)

**gGZW 120** 66%

### Milk performance

**MW 119** 72%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +872    | -0,10 | +28    | -0,06   | +26      |

### Beef performance

**FW 108** 65%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 114            | 102                | 105      |

### Functional traits

**FIT 103** 69%

| MS  | SCC | Pers | PL | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|----|------------------|------------------|------|-----|-------------|
| 111 | 111 | 94   | 97 | 111              | 99               | 103  | 109 | 58%         |



### LINEAR DESCRIPTION:

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

# MILKA PP\*

HBNr. 10/874033  
LOM DE 09 53340583  
Born 14.02.2018

## MANOLO Pp\*

- MANIGO
- FANFEE

## IREEN Pp\*

- HUTERA
- INES

## HERNANDES Pp

- 2/2 7.071 3,78 3,61 523

## Type

## Beef

## Milk



A1A2

AB

Polled

Total merit index (Proof: August 2019)

**gGZW 118** 61%

### Milk performance

**MW 112** 66%

| milk-kg | fat-% | fat-kg | prot.-% | prot.-kg |
|---------|-------|--------|---------|----------|
| +639    | -0,22 | +9     | +0,01   | +23      |

### Beef performance

**FW 108** 64%

| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|
| 117            | 103                | 102      |

### Functional traits

**FIT 105** 64%

| MS  | SCC | Pers | PL  | Calving ease pat | Calving ease mat | Fert | VIT | Reliability |
|-----|-----|------|-----|------------------|------------------|------|-----|-------------|
| 109 | 99  | 95   | 108 | 109              | 103              | 98   | 110 | 56%         |



### LINEAR DESCRIPTION:

| Trait           | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|-----------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame           | 127   |            |    |    | ■   |     |     |              |
| Muscling        | 115   |            |    |    | ■   |     |     | large        |
| Feet & Legs     | 113   |            |    |    | ■   |     |     | long         |
| Udder           | 118   |            |    |    | ■   |     |     | narrow       |
| Height at cross | 128   | small      |    |    | ■   |     |     | wide         |
| Body length     | 124   | short      |    |    | ■   |     |     | deep         |
| Rump width      | 119   | narrow     |    |    | ■   |     |     | sloped       |
| Body depth      | 110   | shallow    |    |    | ■   |     |     | sickled      |
| Rump angle      | 106   | ascending  |    |    | ■   |     |     | dry          |
| Hock angularity | 104   | straight   |    |    | ■   |     |     | strong       |
| Hock develop.   | 102   | swollen    |    |    | ■   |     |     | steep angles |
| Pasterns        | 103   | weak       |    |    | ■   |     |     | inwards      |
| Foot angle      | 112   | low angles |    |    | ■   |     |     | clean udder  |



# VOLLGLANZ PP\*

HBNr. 10/167528  
LOM DE 09 51271553  
Born 17.04.2017

## VOLLGAS P\*S

— VALERO PS  
755  
— HUTERA  
INES — HERNANDES Pp  
2/2 7.071 3,78 3,61 523  
1/1 11.461 5,10 3,31 963

### Udder



### Milk

### Beef

A1A2

AB

Polled

Total merit index (Proof: August 2019)

**gGZW 117** 67%

#### Milk performance

**MW 116** 73%

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

|      |       |     |       |     |
|------|-------|-----|-------|-----|
| +460 | +0,08 | +25 | +0,06 | +21 |
|------|-------|-----|-------|-----|

#### Beef performance

**FW 110** 67%

|                |                    |          |
|----------------|--------------------|----------|
| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|

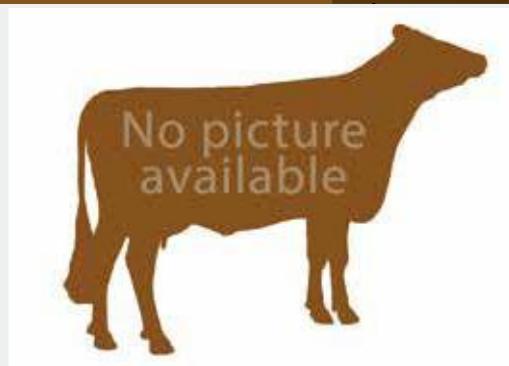
|     |     |     |
|-----|-----|-----|
| 116 | 108 | 102 |
|-----|-----|-----|

#### Functional traits

**FIT 99** 69%

|    |     |      |    |                  |     |      |     |             |
|----|-----|------|----|------------------|-----|------|-----|-------------|
| MS | SCC | Pers | PL | Calving ease pat | mat | Fert | VIT | Reliability |
|----|-----|------|----|------------------|-----|------|-----|-------------|

|     |     |     |    |     |     |    |     |     |
|-----|-----|-----|----|-----|-----|----|-----|-----|
| 108 | 103 | 102 | 96 | 109 | 100 | 98 | 107 | 58% |
|-----|-----|-----|----|-----|-----|----|-----|-----|



#### LINEAR DESCRIPTION:

| Trait                  | Index | Trend      | 76 | 88 | 100 | 112 | 124 | Trend        |
|------------------------|-------|------------|----|----|-----|-----|-----|--------------|
| Frame                  | 102   |            |    |    | □   | ■   |     |              |
| Muscling               | 92    |            |    |    | ■   |     |     |              |
| Feet & Legs            | 105   |            |    |    | ■   | ■   |     |              |
| Udder                  | 121   |            |    |    | ■   | ■   | ■   |              |
| Height at cross        | 106   | small      |    |    |     |     |     | large        |
| Body length            | 99    | short      |    |    |     |     |     | long         |
| Rump width             | 93    | narrow     |    |    | ■   |     |     | wide         |
| Body depth             | 97    | shallow    |    |    | ■   |     |     | deep         |
| Rump angle             | 90    | ascending  |    |    | ■   | □   |     | sloped       |
| Hock angularity        | 98    | straight   |    |    | □   | ■   |     | sickled      |
| Hock develop.          | 93    | swollen    |    |    | ■   |     |     | dry          |
| Pasterns               | 108   | weak       |    |    | ■   |     |     | strong       |
| Foot angle             | 105   | low angles |    |    | ■   |     |     | steep angles |
| Fore udder length      | 104   | short      |    |    | ■   |     |     | long         |
| Rear udder length      | 107   | short      |    |    | ■   |     |     | long         |
| Fore udder attachment  | 107   | loose      |    |    | ■   |     |     | tight        |
| Susp. ligament         | 105   | weak       |    |    | ■   |     |     | strong       |
| Udder depth            | 118   | deep       |    |    | ■   |     |     | high         |
| Teat length            | 101   | short      |    |    | □   | □   |     | long         |
| Teat thickness         | 103   | thin       |    |    | ■   |     |     | thick        |
| Teat placement (front) | 98    | wide       |    |    | ■   |     |     | close        |
| Teat placement (rear)  | 103   | wide       |    |    | ■   |     |     | close        |
| Teat direction (rear)  | 113   | outwards   |    |    | ■   | ■   |     | inwards      |
| Udder cleanliness      | 106   | add. teats |    |    | ■   |     |     | clean udder  |

# VARIANT Pp\*

HBNr. 10/856170  
LOM DE 09 48343721  
Born 25.04.2013

Pigm.: 25 %

## VALERO PS

— VANSTEIN  
ESMERALDA  
OXANA — ROCHUS  
6/6 10.612 3,81 3,35 760  
— ORKAN — MANDL  
7/5 11.047 4,18 3,58 858

### Udder



### Beef

### Milking speed

A2A2

AB

Polled

Total merit index (Proof: August 2019)

**gGZW 116** 85%

#### Milk performance

**MW 110** 92%

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

|      |       |     |       |     |
|------|-------|-----|-------|-----|
| +277 | +0,03 | +14 | +0,07 | +15 |
|------|-------|-----|-------|-----|

#### Beef performance

**FW 111** 90%

|                |                    |          |
|----------------|--------------------|----------|
| Daily net gain | Carcass percentage | prot.-kg |
|----------------|--------------------|----------|

|     |     |    |
|-----|-----|----|
| 112 | 115 | 99 |
|-----|-----|----|

#### Functional traits

**FIT 101** 82%

|    |     |      |    |                  |     |      |     |             |
|----|-----|------|----|------------------|-----|------|-----|-------------|
| MS | SCC | Pers | PL | Calving ease pat | mat | Fert | VIT | Reliability |
|----|-----|------|----|------------------|-----|------|-----|-------------|

|     |    |    |     |     |     |     |     |     |
|-----|----|----|-----|-----|-----|-----|-----|-----|
| 119 | 87 | 86 | 104 | 110 | 116 | 107 | 105 | 79% |
|-----|----|----|-----|-----|-----|-----|-----|-----|



Daughter of Variant Pp

POLLED

# Our potential



FLECKVIEH



BRAUNVIEH / BROWN SWISS



HOLSTEIN



RED HOLSTEIN



ANGER



JERSEY



FLECKVIEH BEEF / SIMMENTAL

  
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**More than 30 breeds  
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BLONDE D'AQUITAINE



PINZGAUER



MURNAU-WERDENFELSER



BELGIAN-BLUE



WAGYU



LIMOUSIN



PIEMONTESER

THE 5 BEST BULLS FOR PROVEN AND GENOMIC  
RANKED BY MAIN BREEDING GOALS

# Top-10

## GERMAN FLECKVIEH

GZW - TOTAL MERIT INDEX

|               | <b>GZW</b> | <b>p.</b>  |
|---------------|------------|------------|
| proven tested | Hurly      | <b>137</b> |
| genomic       | Villeroy   | <b>135</b> |
| proven tested | Sehrgut    | <b>133</b> |
| genomic       | Watt       | <b>133</b> |
| proven tested | Sisyphus   | <b>131</b> |
| genomic       | Immens     | <b>142</b> |
| proven tested | Herzpochen | <b>141</b> |
| genomic       | Weitblick  | <b>140</b> |
| proven tested | Impossum   | <b>139</b> |
| genomic       | Westpoint  | <b>139</b> |
|               |            | 30         |

## GERMAN FLECKVIEH

MW - MILK INDEX

|               | <b>MW</b>  | <b>p.</b>  |
|---------------|------------|------------|
| proven tested | Vermeer    | <b>129</b> |
| genomic       | Wimpert    | <b>128</b> |
| proven tested | Hicks      | <b>126</b> |
| genomic       | Montelino  | <b>125</b> |
| proven tested | Sehrgut    | <b>124</b> |
| genomic       | Herkules   | <b>145</b> |
| proven tested | Harvey     | <b>138</b> |
| genomic       | Herzau     | <b>138</b> |
| proven tested | Herzpochen | <b>137</b> |
| genomic       | Immens     | <b>135</b> |
|               |            | 28         |
|               |            | 35         |
|               |            | 38         |
|               |            | 28         |
|               |            | 28         |

## GERMAN FLECKVIEH

MILK - KG

|               | <b>milk-kg</b> | <b>p.</b>    |
|---------------|----------------|--------------|
| proven tested | Montelino      | <b>+1373</b> |
| genomic       | Wimpert        | <b>+1243</b> |
| proven tested | Vlutlicht      | <b>+1162</b> |
| genomic       | Wildenhof      | <b>+1143</b> |
| proven tested | Sehrgut        | <b>+1121</b> |
| genomic       | Hollywood      | <b>+1526</b> |
| proven tested | Herkules       | <b>+1515</b> |
| genomic       | Herzpochen     | <b>+1457</b> |
| proven tested | Pinola         | <b>+1453</b> |
| genomic       | Herzau         | <b>+1382</b> |
|               |                | 47           |
|               |                | 31           |
|               |                | 28           |
|               |                | 40           |
|               |                | 38           |

## GERMAN FLECKVIEH

FIT - FUNCTIONAL TRAITS

|               | <b>FIT</b>    | <b>p.</b>  |
|---------------|---------------|------------|
| proven tested | Waldler       | <b>123</b> |
| genomic       | Magier        | <b>121</b> |
| proven tested | Hurly         | <b>119</b> |
| genomic       | In Aisch      | <b>117</b> |
| proven tested | Murillo Pp    | <b>116</b> |
| genomic       | Emerald       | <b>126</b> |
| proven tested | Mirage        | <b>125</b> |
| genomic       | Edelstein     | <b>125</b> |
| proven tested | Verstapen1 Pp | <b>124</b> |
| genomic       | Elevation     | <b>123</b> |
|               |               | 39         |

## GERMAN FLECKVIEH

FW - BEEF INDEX

|               | <b>FW</b>   | <b>p.</b>  |
|---------------|-------------|------------|
| proven tested | Hoffnung PS | <b>132</b> |
| genomic       | Vlutlicht   | <b>122</b> |
| proven tested | Wiscona     | <b>119</b> |
| genomic       | Villeroy    | <b>117</b> |
| proven tested | Watt        | <b>116</b> |
| genomic       | Herzpochen  | <b>122</b> |
| proven tested | Walint      | <b>121</b> |
| genomic       | Roulette    | <b>121</b> |
| proven tested | Immens      | <b>120</b> |
| genomic       | Elsando     | <b>119</b> |
|               |             | 28         |
|               |             | 31         |
|               |             | 45         |
|               |             | 28         |
|               |             | 43         |

## GERMAN FLECKVIEH

Cp - EASY CALVINGS

|               | <b>Cp</b> | <b>p.</b>  |
|---------------|-----------|------------|
| proven tested | Mammaest  | <b>119</b> |
| genomic       | Jakarta   | <b>119</b> |
| proven tested | Sisyphus  | <b>118</b> |
| genomic       | Hurly     | <b>118</b> |
| proven tested | Zombie    | <b>117</b> |
|               |           | 26         |
|               |           | 24         |
|               |           | 10         |
|               |           | 8          |
|               |           | 18         |

## GERMAN FLECKVIEH

U - UDDER QUALITY

|               | <b>U</b>    | <b>p.</b>  |
|---------------|-------------|------------|
| proven tested | Magier      | <b>135</b> |
| genomic       | In Aisch    | <b>128</b> |
| proven tested | Sisyphus    | <b>126</b> |
| genomic       | Variant Pp* | <b>124</b> |
| proven tested | Hutthurm    | <b>123</b> |
| genomic       | Edelstein   | <b>136</b> |
| proven tested | Elsando     | <b>134</b> |
| genomic       | Stern       | <b>132</b> |
| genomic       | Mirage      | <b>130</b> |
| genomic       | Horaz       | <b>129</b> |
|               |             | 50         |

## GERMAN FLECKVIEH

F&L - FEET&LEGS

|               | <b>F&amp;L</b> | <b>p.</b>  |
|---------------|----------------|------------|
| proven tested | Millenium      | <b>118</b> |
| genomic       | Jakarta        | <b>117</b> |
| proven tested | Vollgas PS     | <b>117</b> |
| genomic       | Murillo Pp     | <b>117</b> |
| proven tested | Magier         | <b>115</b> |
| genomic       | Miami          | <b>128</b> |
| proven tested | Pizarro        | <b>124</b> |
| genomic       | Imperativ      | <b>122</b> |
| genomic       | Mirage         | <b>119</b> |
| genomic       | Manolo Pp      | <b>118</b> |
|               |                | 20         |
|               |                | 24         |
|               |                | 60         |
|               |                | 61         |
|               |                | 14         |
|               |                | 51         |
|               |                | 48         |
|               |                | 36         |
|               |                | 46         |
|               |                | 59         |



Wolfhard Schulte

The specifications regarding the breeding values are based on computer models of the LfL/Munich and ZAR/Vienna. Specifications regarding the health status of the bulls results from tests done by national and international laboratories. For the correctness of the above-mentioned results and the results in the catalogue GGI-SPERMEX does not assume any liability. Furthermore, our general terms and conditions are valid.





# ZEICHENERKLÄRUNG

**Name:** Name, **HBNr.:** Herdbuchnummer, **LOM:** Lebensonhrmarkennummer, **Born:** Geburtsdatum, **GF:** Genetische Besonderheit, **A2A2, A1A2, A2A2:** Beta Kasein; **AA, AB, BB:** Kappa-Kasein; **P, Pp, PP, PS:** Hornlosstatus (weitere Informationen auf [www.ggi-spermex.de](http://www.ggi-spermex.de))

**gGZW** fasst die verschiedenen Teilzuchtwerte zu einem Gesamtindex zusammen, Sicherheit (Si) in %.

**MW:** Milchleistung: +788 -0.18 +24 +0.01 +27 MW 119 90% bedeutet: Zuchtwerte für Milchmenge, Fett-%, Fett-kg, Eiweiß-%, Eiweiß-kg. Der Milchwert ist ein Index, in dem Milch-, Fett- und Eiweiß-kg mit einer ökonomischen Gewichtung von 0:1:1,4 zusammengefasst sind; Sicherheit in %.

**FW:** Fleischleistung: 116 104 110 FW 118 86% bedeutet: Relativzuchtwerte für Nettozunahme, Ausschlachtung und Handelsklasse. Der Fleischwert fasst die drei Teilzuchtwerte zu einem Index zusammen; Si. in %.

**FIT:** fasst die einzelnen Teilzuchtwerte Nutzungsdauer, Zellzahl, Fruchtbarkeit, Totgeburten, Kalbeverlauf, Melkbarkeit und Persistenz zu einem Fitness-Index zusammen; Si. in %

**MS = Melkbarkeit:** Relativzuchtwert für Melkbarkeit; Si. in %

**SCC = Zellzahl:** Relativzuchtwert für Zellzahl als Indikator für die Eutergesundheit; Si. in %

**Pers = Persistenz:** Relativzuchtwert für das Durchhaltevermögen innerhalb der Laktation; Si. in %

**PL = Nutzungsdauer:** Relativzuchtwert für Nutzungsdauer; Si. in %

**Calving ease = Abkalbedaten:** Relativzuchtwerte für paternale (pat) und maternale Effekte (mat) auf Kalbeverlauf (C) und Totgeburtenrate (M); Si. in %

**Fert = Fruchtbarkeit:** Relativzuchtwerte für maternale (m) Fruchtbarkeit; Si. in %

**VIT:** Der **Vitalitätswert** (VIT) setzt sich aus der (paternalen) Totgeburtenrate und den Aufzuchtverlusten zusammen; Si. in %

| Merkmal          | ZW  | Tendenz      | EXTERIEURZUCHTWERTE: |    |     |     |     | 47 Töchter  |
|------------------|-----|--------------|----------------------|----|-----|-----|-----|-------------|
|                  |     |              | 76                   | 88 | 100 | 112 | 124 |             |
| Rahmen           | 119 |              |                      |    |     |     |     |             |
| Bemuskulung      | 102 |              |                      |    |     |     |     |             |
| Fundament        | 113 |              |                      |    |     |     |     |             |
| Euter            | 120 |              |                      |    |     |     |     |             |
| Kreuzhöhe        | 121 | klein        |                      |    |     |     |     | groß        |
| Körperlänge      | 115 | kurz         |                      |    |     |     |     | lang        |
| Hüftbreite       | 102 | schmal       |                      |    |     |     |     | breit       |
| Rumpftiefe       | 116 | seicht       |                      |    |     |     |     | tiefe       |
| Beckeneigung     | 110 | eben         |                      |    |     |     |     | abfallend   |
| Sprg.winkel      | 95  | steil        |                      |    |     |     |     | säbelbeinig |
| Sprg.auspräg.    | 93  | voll         |                      |    |     |     |     | trocken     |
| Fessel           | 118 | durchtrittig |                      |    |     |     |     | steil       |
| Trachten         | 113 | niedrig      |                      |    |     |     |     | hoch        |
| Voreuterlänge    | 115 | kurz         |                      |    |     |     |     | lang        |
| Sch.euterlänge   | 107 | kurz         |                      |    |     |     |     | lang        |
| Voreuteraufhäng. | 112 | locker       |                      |    |     |     |     | fest        |
| Zentralband      | 90  | nicht ausg.  |                      |    |     |     |     | stark ausg. |
| Euterboden       | 108 | tiefe        |                      |    |     |     |     | hoch        |
| Strichlänge      | 95  | kurz         |                      |    |     |     |     | lang        |
| Strichdicke      | 113 | dünn         |                      |    |     |     |     | dick        |
| Strichplatz. vo. | 110 | außen        |                      |    |     |     |     | innen       |
| Strichplatz. hi. | 98  | außen        |                      |    |     |     |     | innen       |
| Strichstell. hi. | 104 | nach außen   |                      |    |     |     |     | nach innen  |
| Euterreiheit     | 102 | Nebenstr.    |                      |    |     |     |     | reine Euter |

# EXPLICATION DE SIGNES

**Name:** Nom, **HBNr.:** numéro de herdbook; **LOM:** numéro d'oreille, **Born:** date de naissance

**GF:** Caractéristiques génétiques

**A2A2, A1A2, A2A2:** Beta Caséine; **P, Pp, PP, PS:** sans cornes (Vous trouverez de plus amples informations sous [www.ggi-spermex.de](http://www.ggi-spermex.de))

**gGZW** signifie un index total avec les valeurs d'élevages partielles, coefficient de détermination en %.

**MW:** Performance laitière: +788 -0,18 +24 +0,01 +27 MW 119 90% signifie: valeur d'élevage pour quantité laitière, taux butyreux %, matière grasse kg, taux protéique %, matière protéique kg. MW est un index lait combinant quantité laitière, quantité de matière grasse, quantité de matière protéique avec une pondération économique de 0:1:1,4 ; coefficient de détermination en %.

**FW:** Performance de viande: 116 104 110 FW 118 86% signifie: valeur d'élevage relative pour gain net, abattage rendement et classe marchande (EUROP). FW est un index viande combinant les trois valeurs d'élevages partielles; coefficient de détermination en %.

**FIT:** signifie un index pour fitness combiné les valeurs d'élevages partielles pour longévité, cellules somatiques, fertilité, mortalité, déroulement de vêlages, vitesse de traite et persistance; coefficient de détermination.

**MS = Vitesse de traite:** valeur d'élevage relative pour vitesse de traite; coefficient de détermination en %.

**SCC = Cellules somatiques:** valeur d'élevage relative pour cellules somatiques; coefficient de détermination en %.

**Pers = Persistence:** valeur d'élevage relative pour la persistance durant la lactation; coefficient de détermination en %.

**PL = longévité:** valeur d'élevage relative pour la durée d'exploitation; coefficient de détermination en %.

**Vêlages:** valeurs d'élevages relatives pour les effets paternels (pat) naissance et maternels (mat) vêlage pour déroulement de vêlages (V) et mortalité (M); coefficient de détermination en %.

**Fert = Fertilité:** valeurs d'élevages relatives pour la fertilité maternelle (m); coefficient de détermination.

**VIT:** Index vitalité (VIT) se compose des taux de mortalité (paternel) et des pertes d'élevage.

| Caractéristique          | Index | tendance  | MORPHOLOGIE: |    |     |     |     | 47 filles |
|--------------------------|-------|-----------|--------------|----|-----|-----|-----|-----------|
|                          |       |           | 76           | 88 | 100 | 112 | 124 |           |
| Format                   | 119   |           |              |    |     |     |     |           |
| Musculature              | 102   |           |              |    |     |     |     |           |
| Membres                  | 113   |           |              |    |     |     |     |           |
| Mamelle                  | 120   |           |              |    |     |     |     |           |
| Hauter sacrum            | 121   | petite    |              |    |     |     |     |           |
| Longueur du corps        | 115   | courte    |              |    |     |     |     | grande    |
| Largeur hanches          | 102   | étroit    |              |    |     |     |     | longue    |
| Profondeur poitrine      | 116   | faible    |              |    |     |     |     | large     |
| Inclinaison bassin       | 110   | renversée |              |    |     |     |     | profond   |
| Angle jarret             | 95    | droit     |              |    |     |     |     | incliné   |
| Epaisseur jarret         | 93    | épais     |              |    |     |     |     | coudé     |
| Pâturoms                 | 118   | faible    |              |    |     |     |     | fin       |
| Epaisseur talon          | 113   | faible    |              |    |     |     |     | droit     |
| Longueur attache avant   | 115   | courte    |              |    |     |     |     | épais     |
| Longueur attache arr.    | 107   | courte    |              |    |     |     |     | longue    |
| Attache avant            | 112   | relâchée  |              |    |     |     |     | forte     |
| Ligament                 | 90    | faible    |              |    |     |     |     | fort      |
| Dist. plancher jarret    | 108   | basse     |              |    |     |     |     | haute     |
| Longueur trayons         | 95    | courts    |              |    |     |     |     | longs     |
| Diamètre trayons         | 113   | fins      |              |    |     |     |     | gros      |
| Placement trayons av.    | 110   | externe   |              |    |     |     |     | interne   |
| Placement trayons arr.   | 98    | externe   |              |    |     |     |     | interne   |
| Orientation trayons arr. | 104   | externe   |              |    |     |     |     | interne   |
| Trayons suppl.           | 102   | nombreux  |              |    |     |     |     | pure      |

# EXPLANATION OF SYMBOLS



**Name:** name, **HBNr.:** herdbook number; **LOM:** eartag number, **Born:** date of birth

**GF:** Genetic feature **A2A2, A1A2, A2A2:** Beta Casein; **AA, AB, BB:** Cappa Casein **P, Pp, PP, PS:** polled status  
(further information on [www.ggi-spermex.de](http://www.ggi-spermex.de))

**gGZW** combines partial breeding values for various traits in one total merit index, reliability (rel.) in %.

**MW:** Milk performance: +788 -0,18 +24 +0,01 +27 MW 119 90% means: breeding values for milk quantity, butterfat-%, butterfat-kg, protein-%, protein-kg. MW is an index for milk combining milk-, butterfat- and protein quantity by means of an economic weighting rel. in %.

**FW:** 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; rel. in %.

**SCC = Somatic cell count:** relative breeding value for somatic cell counts indicating udder health; reliability in %.

**Pers = Persistency:** relative breeding value for durability during the lactation; rel. in %.

**PL = Productive lifetime:** relative breeding value for productive lifetime; rel. in %.

**Calving data:** relative breeding values for paternal (pat) and maternal effects (mat) on calving trend; rel. in %.

**Fert = Fertility:** relative breeding values for maternal (m) fertility; rel. in %.

**VIT:** The index VIT (vitality value) is composed of the (paternal) stillbirth rate and the rearing losses; rel. in %

| Trait                  | Index | Trend      | 47 daughters |    |      |      | Trend        |
|------------------------|-------|------------|--------------|----|------|------|--------------|
|                        |       |            | 76           | 88 | 100  | 112  |              |
| <b>Frame</b>           | 119   |            |              |    | ■    | ■■■  |              |
| <b>Muscling</b>        | 102   |            |              |    | ■    |      |              |
| <b>Feet &amp; Legs</b> | 113   |            |              |    | ■■■  | ■■   |              |
| <b>Udder</b>           | 120   |            |              |    | ■■■■ | ■■■  |              |
| Height at cross        | 121   | small      |              |    |      |      | large        |
| Body length            | 115   | short      |              |    | ■■■  | ■■■  | long         |
| Rump width             | 102   | narrow     |              |    | ■    |      | wide         |
| Body depth             | 116   | shallow    |              |    | ■■■  | ■■■  | deep         |
| Rump angle             | 110   | ascending  |              |    | ■■■  | ■■■  | sloped       |
| Hock angularity        | 95    | straight   |              |    | ■■■  |      | sickled      |
| Hock develop.          | 93    | swollen    |              |    | ■■■  |      | dry          |
| Pasterns               | 118   | weak       |              |    | ■■■■ | ■■■■ | strong       |
| Foot angle             | 113   | low angles |              |    | ■■■■ | ■■■■ | steep angles |
| Fore udder length      | 115   | short      |              |    |      |      | long         |
| Rear udder length      | 107   | short      |              |    | ■■■  | ■■■  | long         |
| Fore udder attachment  | 112   | loose      |              |    | ■■■■ | ■■■■ | tight        |
| Susp. ligament         | 90    | weak       |              |    | ■■■■ | ■■■■ | strong       |
| Udder depth            | 108   | deep       |              |    | ■■■■ | ■■■■ | high         |
| Teat length            | 95    | short      |              |    | ■■■■ | ■■■■ | long         |
| Teat thickness         | 113   | thin       |              |    | ■■■■ | ■■■■ | thick        |
| Teat placement (front) | 110   | wide       |              |    | ■■■■ | ■■■■ | close        |
| Teat placement (rear)  | 98    | wide       |              |    | ■■■■ | ■■■■ | close        |
| Teat direction (rear)  | 104   | outwards   |              |    | ■■■■ | ■■■■ | inwards      |
| Udder cleanliness      | 102   | add. teats |              |    | ■■■■ | ■■■■ | clean udder  |

# EXPLICACIÓN DE SIGNOS



**Name:** nombre, **HBNr.:** número de registro, **LOM:** marca auricular, **Born:** fecha de nacimiento

**aAa:** código aAa, **GF:** Peculiaridades genéticos

**A2A2, A1A2, A1A1:** genotipo beta caseina **AA, AB, BB:** genotipo cappa caseina

**gGZW:** valor genético total (se compone de leche, carne y aptitud biológica), fiabilidad en %

**MW:** índice de leche (se compone de proteína kg y grasa kg relativo a su importancia económica), fiabilidad en %, producción de leche: kg de leche, grasa %, grasa kg, proteína %, proteína kg

**FW:** 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**

**SCC = células somáticas, 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, Reliability: fiabilidad en %**

| Característica            | Índice | Tendencia     | 47 Hijas |    |      |      | Tendencia |
|---------------------------|--------|---------------|----------|----|------|------|-----------|
|                           |        |               | 76       | 88 | 100  | 112  |           |
| <b>Tamaño</b>             | 119    |               |          |    | ■    | ■■■  |           |
| <b>Musculatura</b>        | 102    |               |          |    | ■    |      |           |
| <b>Patas y aplomos</b>    | 113    |               |          |    | ■■■  | ■■   |           |
| <b>Ubre</b>               | 120    |               |          |    | ■■■■ | ■■■■ |           |
| Altura de la grupa        | 121    | baja          |          |    |      |      | alta      |
| Largo de anca             | 115    | corta         |          |    | ■■■■ | ■■■■ | larga     |
| Ancho de cadera           | 102    | estrecha      |          |    | ■    |      | ancha     |
| Profund. corporal         | 116    | poca          |          |    | ■■■■ | ■■■■ | mucho     |
| Angulo de anca            | 110    | ascendiente   |          |    | ■■■  | ■■■  | inclinado |
| Inclin. de convejones     | 95     | estaconado    |          |    | ■■■  | ■■■  | angulado  |
| Limp. de convejones       | 93     | poco definido |          |    | ■■■  | ■■■  | bien def. |
| Menudillo/Espolones       | 118    | bajo          |          |    | ■■■■ | ■■■■ | alto      |
| Angulo del talón          | 113    | bajo          |          |    | ■■■■ | ■■■■ | alto      |
| Largo ubre anterior       | 115    | corta         |          |    |      |      | larga     |
| Largo ubre post.          | 107    | corta         |          |    | ■■■  | ■■■  | larga     |
| Inserción ubre ant.       | 112    | débil         |          |    | ■■■■ | ■■■■ | firme     |
| Ligamento central         | 90     | débil         |          |    | ■■■■ | ■■■■ | fuerte    |
| Profundidad ubre          | 108    | baja          |          |    | ■■■■ | ■■■■ | alta      |
| Largo de pezones          | 95     | corto         |          |    | ■■■■ | ■■■■ | largo     |
| Ancho de pezones          | 113    | delgado       |          |    | ■■■■ | ■■■■ | grueso    |
| Desplaz. pezones ant.     | 110    | exterior      |          |    | ■■■■ | ■■■■ | interior  |
| Posición pezones post.    | 98     | exterior      |          |    | ■■■■ | ■■■■ | interior  |
| Orientación pezones post. | 104    | salidos       |          |    | ■■■■ | ■■■■ | metidos   |
| Claridad de la ubre       | 102    | tetas adic.   |          |    | ■■■■ | ■■■■ | limpia    |

# GERMAN FLECKVIEH

*Your climate – our Fleckvieh genetics.*



© Anne-Mette Evers



**GGI-SPERMEX**  
Genetics made in Germany

## GGI-SPERMEX GmbH

Ottostraße 26  
85521 Ottobrunn  
Germany

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

email: [info@ggi-spermex.de](mailto:info@ggi-spermex.de)  
Internet: [www.ggi-spermex.de](http://www.ggi-spermex.de)

Am Osterfeld 14  
49661 Cloppenburg-Bethen  
Germany

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

email: [info@ggi-spermex.de](mailto:info@ggi-spermex.de)  
Internet: [www.ggi-spermex.de](http://www.ggi-spermex.de)

Distribuidor España:

@ h\ku'-\E\ku'' o oO

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

Tel f 972 690 426  
[www.bas-sl.com](http://www.bas-sl.com) · [info@bas-sl.com](mailto:info@bas-sl.com)

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