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BROWN SWISS

2022

GGI-SPERMEX

Genetics made in Germany

SIRE CATALOGUE

Proofs: April 2022

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

Dear Brown Swiss friends, partners and customers,

The German Brown Swiss breeding program is the largest and most efficient in the world. It is based on a big breeding population and intense testing through official institutions. The methods of the breeding value estimation are subject to constant improvement and are continually adapted to the needs of modern Brown Swiss breeding. Particularly extensive health traits had been incorporated in the estimation of the breeding values during the last years. This is very important against the background of rising consumer consciousness for healthy food and animal welfare. The well-thought-out German breeding values guarantee that our customers from all over the world can select their A.I. bulls according to their special needs.

We carefully selected the best Brown Swiss bulls available for this catalogue. However, we can only include a certain number of bulls. Discover the entire range of bulls on our website or in our comfortable app! There you can also filter and range the bulls according to your interest and individual requirements.

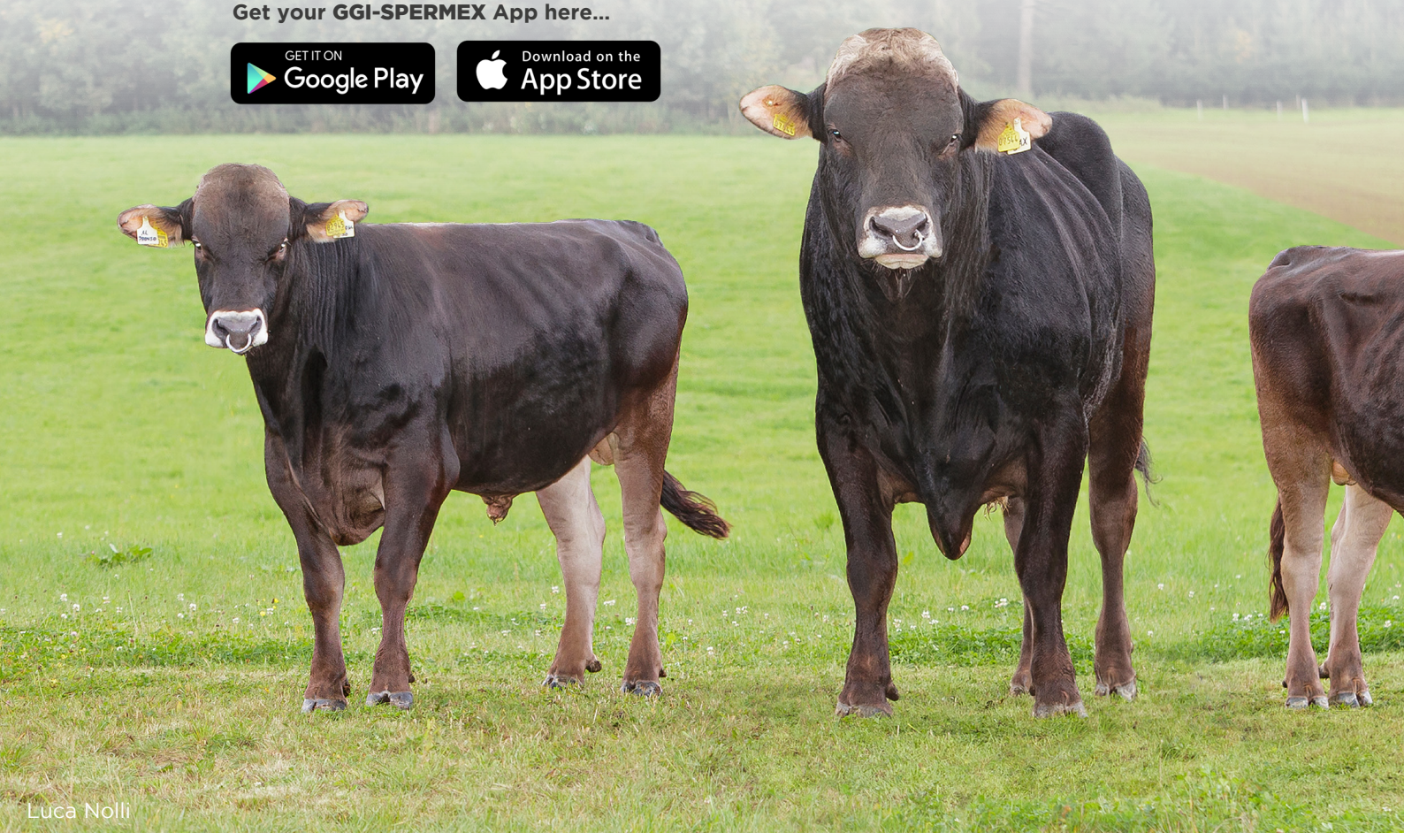
Last but not least, we would like to draw your attention to our polled genetics. In the recent past more and more polled Brown Swiss bulls made their way into the top lists. Now there are polled sires from different bloodlines with excellent breeding values that definitely make them worth considering.

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

Get your GGI-SPERMEX App here...

GET IT ON Google Play

Download on the App Store



Luca Nolli

parts...
German Genetics!

Page 2+3: Famous Brown Swiss bull Ajax with his sons Amsterdam and Alphonso ©Luca Nolli
Backcover photo: HIMALAYA-1318 and VERDI 1561 – an excellent mother-daughter team Verdi 1561 is the dam of Västeras ©Luca Nolli

Progeny tested

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BROWN SWISS
MORE THAN MILK

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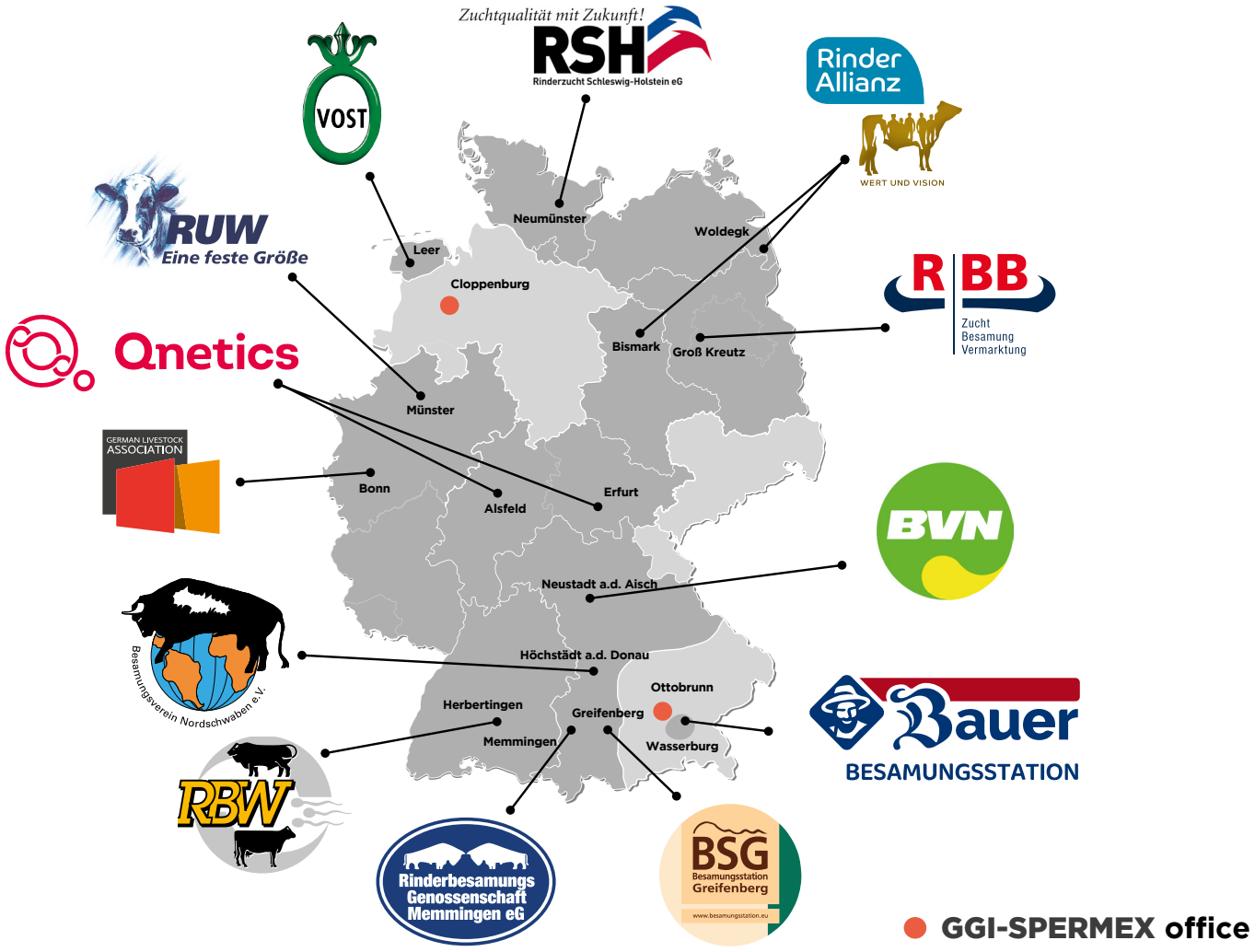
About GGI-SPERMEX



About GGI-SPERMEX

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

Unique portfolio

This results in a unique portfolio including – besides the key breeds Fleckvieh, Brown Swiss, Holstein and Red Holstein – more than 30 other breeds, i.e. dairy breeds, several dual purpose and beef breeds as well as local breeds.
In co-operation with our international partners, GGI-SPERMEX gives breeders worldwide access to the entire potential of German cattle breeds.

Reliable genetics

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

Safe products

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

Vast experience

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

Additional service

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

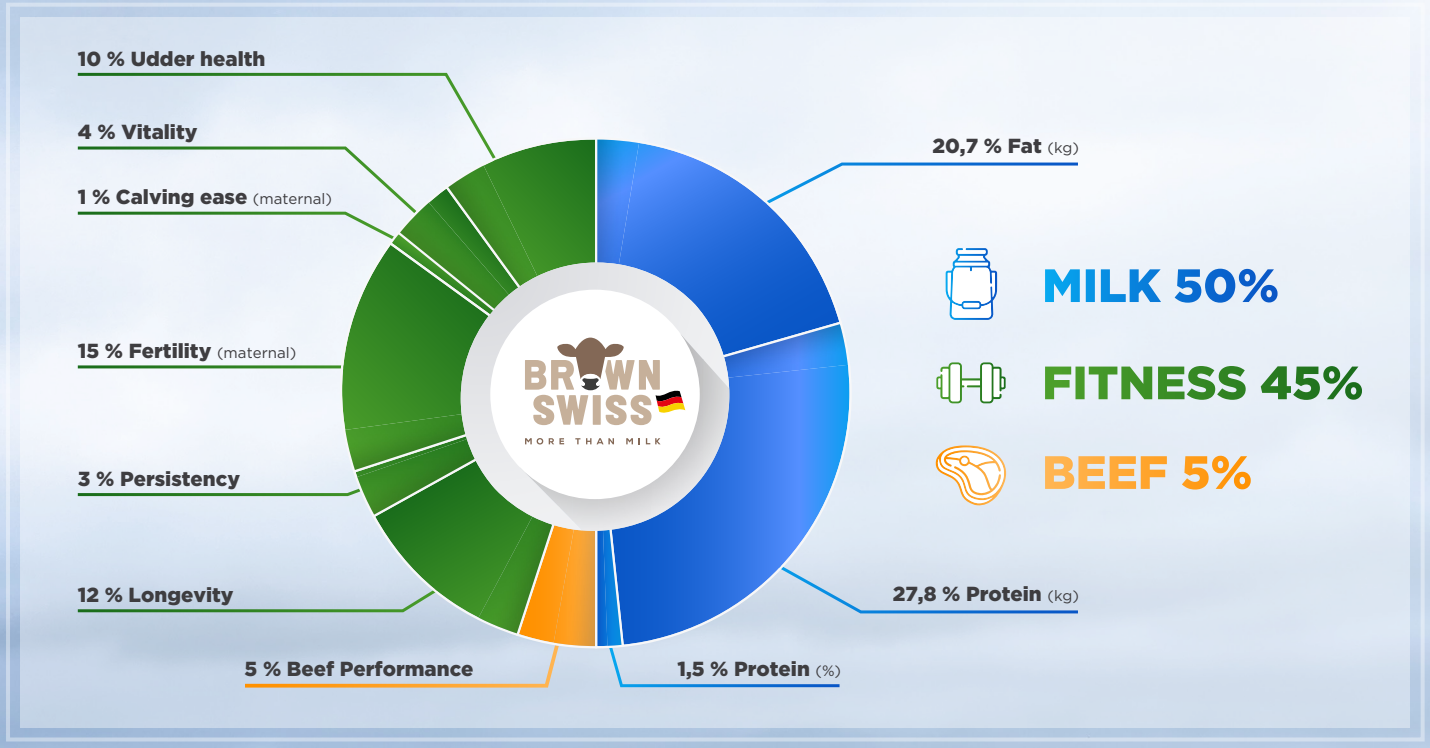
Production and sustainability

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

Don't hesitate to contact us!

GZW - Gesamtzuchtwert / TMI - Total Merit Index

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



Enjoy the benefits of Brown Swiss:

- Vitality
- Adaptability
- Robustness
- Milk components
- Longevity
- Calm temper
- Strong feet & legs
- Udder quality and health
- Strong will for milking
- High lifetime production

Luca Nolli

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

German Brown Swiss

Boost the profitability of your herd

Brown Swiss
The cheesemakers choice!
Luca Nolli

Milk production and protein power

German Brown Swiss are specialized dairy cows with an outstanding lifetime milk production. The breed perfectly balances milk quantity and quality. Milk from Brown Swiss cattle has high butterfat content (4%) and is high in protein (3.5 to 3.8%) making Brown Swiss the N°1 breed for protein in Germany. Their milk is also unique from other breeds as it demonstrably gives a high cheese yield due to cappa casein BB. Furthermore Brown Swiss have a high share of beta casein A2/A2 sires.

Brown Swiss
Longliving cows maximize profitability!
Luca Nolli

Longevity

Regarding longevity Brown Swiss is the leading breed. According to the statistics of the BRS (German Livestock Association), in the year 2021 Brown Swiss cows were slaughtered with an average lifetime production of 30.872 kg milk and an age of 47,7 months. Brown Swiss cows thus remain in their barns for almost one year longer than the average dairy cow in Germany.
The increasing longevity of the Brown Swiss cows leads to the fact that more and more cows reach the benchmark of 100,000 kg milk lifetime production.

Visor P*S-daughter Larissa

Brown Swiss
Proven in all kinds of climates and environments!
Luca Nolli

Adaptation

Originating in the European Alps, Brown Swiss adapt well to high altitudes and hot or cold climates. In the cradle of Brown Swiss breeding with its adverse climatic conditions the excellent qualities of the breed have been consolidated over decades and last to this day.
On the mountain pastures the young cattle already have to walk long distances on uneven ground and thus the breed developed strong and sound feet and legs. A background of extreme terrain and weather has produced a cattle breed that is recognized for being hardy and rugged all over the world.

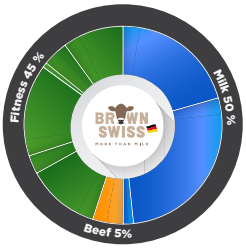
Brown Swiss
Broad variety of bloodlines available!
Luca Nolli

Variation of bloodlines

The German breeding philosophy makes every effort to keep bloodlines as varied as possible. By the use of alternative bloodlines and mating programs it was possible to keep the inbreeding coefficient of the German Brown Swiss population on a moderate level in the past decade in spite of the strong breeding progress which was achieved at the same time.

Breeding program and high quality data

The German Brown Swiss breeding program includes more than 136,000 Brown Swiss cows under milk recording and thus counts on a reliable data base. In addition to that the type evaluation is done by completely independent breed inspectors (state officials). This system guarantees 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.



Brown Swiss
Extensive data collection and independent estimation of breeding values!

Genotyping

In October 2017 Germany started a major research project named “Braunvieh Vision” in order to develop genomic breeding value estimation methods for health characteristics based on a “cow training sample”. The goal of Braunvieh Vision is to set up a data pool for breeding value estimation so that these health traits can also be used for breeding in future.

In addition to recording the observations of the health traits, DNA samples are collected from all female animals in the participating herds, which are then genotyped in the laboratory. These genotypes form the basis for the so-called cow training samples, in which, in addition to the bulls with reliable breeding values, genotyped cows with their own performance testing results are used to derive the link between individual parts in the genome (SNPs) and the recorded characteristics. From April 2021 on the results from the genotyping of the female animals are incorporated in the estimation of the breeding values.

Brown Swiss
Extensive data collection and independent estimation of breeding values!
Luca Nolli

Selection of A.I. sires

The A.I. studs Greifenberg, Memmingen and Herbertingen together carry out genomic tests of about 1,600 Brown Swiss bulls annually and just 4.7% are finally selected for the A.I. industry. Several young sires are co-tested in other countries to get comparable results in different environments. Also the bull dams are selected very carefully. Young heifers of the next generation who promise an advanced genetic progress are used as well as older cows which have definitely proven their qualities over the years. Last but not least the best genetics from all over the world are introduced into the German population to keep the balance of performance, type traits and fitness.

Brown Swiss
Implementation of mordern breeding methods!
Luca Nolli

Ideal choice for crossbreeding

The positive characteristics have led to a steady rising number of farms using German Brown Swiss sires in crossbreeding with other dairy breeds. The F1-generation shows an extraordinary vitality, levels up the protein content in the milk and gives easy handling cows. In the second crossbreed generation the type comes closer to the purebred Brown Swiss type. In this catalogue you find a list with recommendations which bulls should fit best for the different crossbred systems and generations in combination with Holsteins, red breeds and Jersey.

Brown Swiss
The ideal choice for crossbreeding!
Katrin Thoma

progeny tested

Husold

HB No. 10/435188
LOM DE 08 14662067
Born 10.02.2011

HURAY *TM
ZIRBEL
8/8 8312 4,25 354 3,72 309

HUSSLI
LAURA

PRESOLD *TM
ZITTA
4/4 6696 3,68 246 3,52 236

DENMARK *TM

Milk | **Fitness** | **Fertility**

AB

progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 145** 98%

MILK INDEX (D: 822, H: 418) **MI 118** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+889	-0,17	+23	-0,05	+28

BEEF PERFORMANCE **BI 108** 93%

Daily net gain	Carcass percentage	Carcass grade
108	103	104

FUNCTIONAL TRAITS **FIT 124** 97%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	117	127	113	106	101	119	106	131

Indienne, daughter of Husold, France

LINEAR DESCRIPTION 268 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**98**								
Rump	**97**								
Feet & Legs	**106**								
Udder	**105**								
Final Score	**103**								
Muscling	88	light							heavy
Height at cross	109	small							large
Chest width	88	shallow							deep
Body depth	98	shallow							deep
Backline	89	weak							strong
Rump length	98	short							long
Rump width	97	narrow							wide
Rump angle	113	ascending							sloped
Thurl position	88	in the back							in the centre
Hock angularity	90	straight							sickled
Hock develop.	109	swollen							dry
Pasterns	100	weak							strong
Foot angle	98	low angles							steep angles
Fore udder length	106	short							long
Rear udder width	97	narrow							wide
Rear udder height	111	low							high
Susp. ligament	89	weak							strong
Udder depth	107	deep							shallow
Fore udder att.	97	loose							tight
Udder balance	91	staged							inclined
Teat length	101	short							long
Teat thickness	93	thin							thick
Teat placem. (front)	100	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	100	add. teats							clean udder

Hebron

HB No. 10/354880
LOM DE 09 47582494
Born 15.12.2012

aAa **654123**

HEGALL
PASTA
7/6 10639 4,70 500 3,70 393

HUSJET
KORAL

VASIR
PAUKE
7/6 10816 4,71 509 3,68 398

JUPAZ (M*)

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

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 138** 98%

MILK INDEX (D: 1121, H: 659) **MI 122** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+362	+0,36	+45	+0,12	+23

BEEF PERFORMANCE **BI 88** 94%

Daily net gain	Carcass percentage	Carcass grade
91	86	93

FUNCTIONAL TRAITS **FIT 113** 97%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	118	92	107	101	103	110	99	123

1118, daughter of Hebron

LINEAR DESCRIPTION 298 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**83**								
Rump	**81**								
Feet & Legs	**112**								
Udder	**113**								
Final Score	**100**								
Muscling	89	light							heavy
Height at cross	84	small							large
Chest width	88	shallow							deep
Body depth	90	shallow							deep
Backline	89	weak							strong
Rump length	80	short							long
Rump width	105	narrow							wide
Rump angle	84	ascending							sloped
Thurl position	97	in the back							in the centre
Hock angularity	87	straight							sickled
Hock develop.	102	swollen							dry
Pasterns	110	weak							strong
Foot angle	108	low angles							steep angles
Fore udder length	99	short							long
Rear udder width	104	narrow							wide
Rear udder height	120	low							high
Susp. ligament	105	weak							strong
Udder depth	105	deep							shallow
Fore udder att.	106	loose							tight
Udder balance	94	staged							inclined
Teat length	101	short							long
Teat thickness	103	thin							thick
Teat placem. (front)	107	wide							close
Teat placem. (rear)	96	wide							close
Teat direction (rear)	91	outwards							inwards
Udder cleanness	90	add. teats							clean udder

Habitus

HB No. 10/345790
LOM DE 09 50961103
Born 12.09.2015

HARLEY — HURAY / BAERBL
ANDREA 2/2 9903 4,45 441 3,70 367 — **VASSLI** ANDREA 4/4 9263 4,48 415 3,72 344 — **MOIADO**

Milk **Udder** **Vitality**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 137** 90%

MILK INDEX (D: 105, H: 93) **MI 127** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1314	-0,20	+37	-0,08	+40

BEEF PERFORMANCE **BI 106** 77%

Daily net gain	Carcass percentage	Carcass grade
107	95	106

FUNCTIONAL TRAITS **FIT 105** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	105	110	111	90	86	93	112	121

Libelle, daughter of Habitus

LINEAR DESCRIPTION 60 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**95**		
Rump	**95**		
Feet & Legs	**100**		
Udder	**107**		
Final Score	**100**		
Muscling	99	light	heavy
Height at cross	97	small	large
Chest width	96	shallow	deep
Body depth	99	shallow	deep
Backline	95	weak	strong
Rump length	93	short	long
Rump width	87	narrow	wide
Rump angle	93	ascending	sloped
Thurl position	103	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	98	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	107	short	long
Rear udder width	98	narrow	wide
Rear udder height	100	low	high
Susp. ligament	95	weak	strong
Udder depth	100	deep	shallow
Fore udder att.	101	loose	tight
Udder balance	102	staged	inclined
Teat length	97	short	long
Teat thickness	110	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	98	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	92	add. teats	clean udder

Pukari

HB No. 10/345870
LOM DE 09 50846630
Born 08.11.2015

aAa **516432**

AG PUCK — PREJULA / ORSELIA
1005 6/5 10680 4,87 520 3,91 418 — **AG VANPARI** 837 4/4 9667 4,27 413 3,67 355 — **HURAY**

Milk **Udder** **Vitality**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 136** 90%

MILK INDEX (D: 129, H: 108) **MI 123** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+975	-0,09	+33	-0,03	+33

BEEF PERFORMANCE **BI 110** 78%

Daily net gain	Carcass percentage	Carcass grade
109	103	109

FUNCTIONAL TRAITS **FIT 108** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
89	103	112	108	106	95	99	119	127

1059, daughter of Pukari

LINEAR DESCRIPTION 65 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Rump	**100**		
Feet & Legs	**108**		
Udder	**108**		
Final Score	**106**		
Muscling	96	light	heavy
Height at cross	97	small	large
Chest width	103	shallow	deep
Body depth	104	shallow	deep
Backline	97	weak	strong
Rump length	97	short	long
Rump width	93	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	97	in the back	in the centre
Hock angularity	99	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	100	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	111	narrow	wide
Rear udder height	103	low	high
Susp. ligament	109	weak	strong
Udder depth	96	deep	shallow
Fore udder att.	97	loose	tight
Udder balance	105	staged	inclined
Teat length	93	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	113	add. teats	clean udder

progeny tested

progeny tested

Posch

HB No. 10/345230
LOM DE 09 49715143
Born 04.04.2014

AG POINT — PROHUVO / PREGA
MAIKA 4/4 13270 4,10 545 3,65 484 — **VASIR** / MONA — **ETPAT**
10/10 10518 4,16 438 3,65 384

Milk | **Rear udder height** | **Fitness**

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 135** 89%

MILK INDEX (D: 96, H: 87) **MI 119** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+703	-0,01	+28	+0,01	+26

BEEF PERFORMANCE **BI 91** 72%

Daily net gain	Carcass percentage	Carcass grade
91	101	90

FUNCTIONAL TRAITS **FIT 116** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	106	109	113	102	100	111	115	126

Maika, dam of Posch, 2nd lact.

LINEAR DESCRIPTION 50 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**88**								
Rump	**81**								
Feet & Legs	**105**								
Udder	**109**								
Final Score	**100**								
Muscling	86	light							heavy
Height at cross	92	small							large
Chest width	83	shallow							deep
Body depth	89	shallow							deep
Backline	110	weak							strong
Rump length	89	short							long
Rump width	71	narrow							wide
Rump angle	85	ascending							sloped
Thurl position	97	in the back							in the centre
Hock angularity	90	straight							sickled
Hock develop.	102	swollen							dry
Pasterns	108	weak							strong
Foot angle	103	low angles							steep angles
Fore udder length	103	short							long
Rear udder width	104	narrow							wide
Rear udder height	117	low							high
Susp. ligament	102	weak							strong
Udder depth	104	deep							shallow
Fore udder att.	100	loose							tight
Udder balance	106	staged							inclined
Teat length	99	short							long
Teat thickness	79	thin							thick
Teat placem. (front)	93	wide							close
Teat placem. (rear)	99	wide							close
Teat direction (rear)	113	outwards							inwards
Udder cleanness	101	add. teats							clean udder

Vavio

HB No. 10/435266
LOM DE 08 16006421
Born 20.05.2015

VAVIGO — VASSLI / NORIS
BONITA 7/7 10089 3,72 375 3,53 356 — **GS HUXOY** / BABETTE — **PRONTO**
4/4 7424 4,28 318 3,74 277

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

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 135** 92%

MILK INDEX (D: 197, H: 112) **MI 116** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+879	-0,23	+17	-0,06	+26

BEEF PERFORMANCE **BI 107** 88%

Daily net gain	Carcass percentage	Carcass grade
106	103	107

FUNCTIONAL TRAITS **FIT 118** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	113	125	110	101	101	111	101	128

Noris, granddam of Vavio, 4th lac.

LINEAR DESCRIPTION 126 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**108**								
Rump	**92**								
Feet & Legs	**104**								
Udder	**111**								
Final Score	**109**								
Muscling	97	light							heavy
Height at cross	111	small							large
Chest width	98	shallow							deep
Body depth	106	shallow							deep
Backline	95	weak							strong
Rump length	99	short							long
Rump width	102	narrow							wide
Rump angle	95	ascending							sloped
Thurl position	86	in the back							in the centre
Hock angularity	94	straight							sickled
Hock develop.	102	swollen							dry
Pasterns	109	weak							strong
Foot angle	99	low angles							steep angles
Fore udder length	96	short							long
Rear udder width	103	narrow							wide
Rear udder height	120	low							high
Susp. ligament	112	weak							strong
Udder depth	108	deep							shallow
Fore udder att.	98	loose							tight
Udder balance	95	staged							inclined
Teat length	105	short							long
Teat thickness	86	thin							thick
Teat placem. (front)	104	wide							close
Teat placem. (rear)	101	wide							close
Teat direction (rear)	99	outwards							inwards
Udder cleanness	100	add. teats							clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Valor

HB No. 10/345985
LOM DE 09 51995652
Born 22.12.2016

VASSLI — VASIR / BOUNTY
RUMBA 5/4 11028 3,91 432 3,44 380 — **ETOSCHA** / RUTH — **HUCK**
5/5 7319 3,86 283 3,80 278

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 134** 83%

MILK INDEX (D: 42, H: 40) **MI 126** 92%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1210	-0,06	+46	-0,13	+32

BEEF PERFORMANCE **BI 104** 71%

Daily net gain	Carcass percentage	Carcass grade
105	102	100

FUNCTIONAL TRAITS **FIT 104** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
113	105	104	103	97	101	100	99	124

Lydia, daughter of Valor

LINEAR DESCRIPTION 22 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**119**		
Rump	**110**		
Feet & Legs	**110**		
Udder	**109**		
Final Score	**114**		
Muscling	93	light	heavy
Height at cross	124	small	large
Chest width	108	shallow	deep
Body depth	113	shallow	deep
Backline	103	weak	strong
Rump length	114	short	long
Rump width	105	narrow	wide
Rump angle	105	ascending	sloped
Thurl position	109	in the back	in the centre
Hock angularity	107	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	106	weak	strong
Foot angle	114	low angles	steep angles
Fore udder length	104	short	long
Rear udder width	97	narrow	wide
Rear udder height	106	low	high
Susp. ligament	105	weak	strong
Udder depth	114	deep	shallow
Fore udder att.	101	loose	tight
Udder balance	108	staged	inclined
Teat length	101	short	long
Teat thickness	87	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	89	add. teats	clean udder

Hudson

HB No. 10/345140
LOM DE 08 15580812
Born 12.01.2014

aAa **615243**

HUSOLD — HURAY / ZIRBEL
50 4/4 8364 4,43 371 3,58 300 — **EASTON** / 30 — **ACHET**
4/4 6234 4,21 262 3,56 222

Calving ease | **Fitness** | **Udder health**

A1A1
AA
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 134** 93%

MILK INDEX (D: 192, H: 150) **MI 116** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+739	-0,19	+15	+0,01	+27

BEEF PERFORMANCE **BI 100** 89%

Daily net gain	Carcass percentage	Carcass grade
100	102	101

FUNCTIONAL TRAITS **FIT 117** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
92	116	120	106	110	92	111	110	123

Helda, daughter of Hudson

LINEAR DESCRIPTION 94 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Rump	**99**		
Feet & Legs	**105**		
Udder	**100**		
Final Score	**103**		
Muscling	88	light	heavy
Height at cross	109	small	large
Chest width	92	shallow	deep
Body depth	105	shallow	deep
Backline	97	weak	strong
Rump length	102	short	long
Rump width	103	narrow	wide
Rump angle	111	ascending	sloped
Thurl position	79	in the back	in the centre
Hock angularity	87	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	103	weak	strong
Foot angle	96	low angles	steep angles
Fore udder length	106	short	long
Rear udder width	95	narrow	wide
Rear udder height	105	low	high
Susp. ligament	103	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	90	loose	tight
Udder balance	95	staged	inclined
Teat length	108	short	long
Teat thickness	106	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	90	add. teats	clean udder

progeny tested

progeny tested

Visor P*S

HB No. 10/345735
LOM DE 09 50731351
Born 03.04.2016

aAa **615243**

AG VIPER Pp*
- AG VANPARI
- HELLO Pp

BONITA
7/7 11676 3,88 453 3,66 427
- **GS HUXOY**
  - BORA
  5/4 11669 3,94 460 3,89 455
  - **HURAY**

Type	Components	Fitness

A1A1

AB

progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 134** 91%

MILK INDEX (D: 226, H: 148) **MI 116** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+205	+0,34	+36	+0,09	+14

BEEF PERFORMANCE **BI 108** 90%

Daily net gain	Carcass percentage	Carcass grade
106	108	105

FUNCTIONAL TRAITS **FIT 117** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
82	114	96	114	95	106	112	108	126

Larissa, daughter of Visor PS

LINEAR DESCRIPTION 101 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**111**								
Rump	**114**								
Feet & Legs	**109**								
Udder	**119**								
Final Score	**118**								
Muscling	117	light							heavy
Height at cross	106	small							large
Chest width	110	shallow							deep
Body depth	108	shallow							deep
Backline	105	weak							strong
Rump length	103	short							long
Rump width	106	narrow							wide
Rump angle	105	ascending							sloped
Thurl position	104	in the back							in the centre
Hock angularity	90	straight							sickled
Hock develop.	84	swollen							dry
Pasterns	116	weak							strong
Foot angle	103	low angles							steep angles
Fore udder length	104	short							long
Rear udder width	107	narrow							wide
Rear udder height	107	low							high
Susp. ligament	111	weak							strong
Udder depth	109	deep							shallow
Fore udder att.	114	loose							tight
Udder balance	105	staged							inclined
Teat length	92	short							long
Teat thickness	86	thin							thick
Teat placem. (front)	106	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	98	outwards							inwards
Udder cleanness	102	add. teats							clean udder

Hallodri

HB No. 10/346130
LOM DE 09 51398081
Born 29.07.2016

HARLEY
- HURAY
- BAERBL

FOXI
8/8 10241 4,09 419 3,65 374
- **VASIR**
  - FLORETT
  3/3 6857 4,45 305 3,58 246
  - **ETPAT**

Milk	Vitality	Beef

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 132** 89%

MILK INDEX (D: 138, H: 120) **MI 117** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1331	-0,43	+17	-0,18	+31

BEEF PERFORMANCE **BI 112** 82%

Daily net gain	Carcass percentage	Carcass grade
116	98	105

FUNCTIONAL TRAITS **FIT 111** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	103	111	106	104	98	105	121	123

LINEAR DESCRIPTION 69 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**107**								
Rump	**103**								
Feet & Legs	**105**								
Udder	**104**								
Final Score	**106**								
Muscling	109	light							heavy
Height at cross	106	small							large
Chest width	102	shallow							deep
Body depth	109	shallow							deep
Backline	90	weak							strong
Rump length	105	short							long
Rump width	93	narrow							wide
Rump angle	98	ascending							sloped
Thurl position	109	in the back							in the centre
Hock angularity	76	straight							sickled
Hock develop.	80	swollen							dry
Pasterns	105	weak							strong
Foot angle	116	low angles							steep angles
Fore udder length	111	short							long
Rear udder width	106	narrow							wide
Rear udder height	94	low							high
Susp. ligament	95	weak							strong
Udder depth	96	deep							shallow
Fore udder att.	108	loose							tight
Udder balance	110	staged							inclined
Teat length	89	short							long
Teat thickness	106	thin							thick
Teat placem. (front)	92	wide							close
Teat placem. (rear)	95	wide							close
Teat direction (rear)	96	outwards							inwards
Udder cleanness	103	add. teats							clean udder

Verdi

HB No. 10/354600
LOM DE 09 46663620
Born 05.04.2012

aAa **546312**

VERSACE *TM — PRESIDENT ET (D) / VENEZIA
IDRO 11/11 9206 4,00 369 3,55 327 — **PRONTO** IRONA 3/3 9558 4,33 414 3,33 319 — **HUSSLI**

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 132** 98%

MILK INDEX (D: 2659, H: 1205) **MI 115** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+144	+0,20	+22	+0,18	+19

BEEF PERFORMANCE **BI 94** 97%

Daily net gain	Carcass percentage	Carcass grade
93	99	99

FUNCTIONAL TRAITS **FIT 116** 98%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	112	110	111	92	110	115	94	116

Uschi, daughter of Verdi

LINEAR DESCRIPTION 1070 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**95**		
Rump	**101**		
Feet & Legs	**102**		
Udder	**102**		
Final Score	**100**		
Muscling	91	light	heavy
Height at cross	96	small	large
Chest width	94	shallow	deep
Body depth	94	shallow	deep
Backline	96	weak	strong
Rump length	91	short	long
Rump width	109	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	97	in the back	in the centre
Hock angularity	78	straight	sickled
Hock develop.	81	swollen	dry
Pasterns	116	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	95	short	long
Rear udder width	99	narrow	wide
Rear udder height	106	low	high
Susp. ligament	103	weak	strong
Udder depth	103	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	97	staged	inclined
Teat length	109	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	83	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	94	add. teats	clean udder

Vip

HB No. 10/345515
LOM DE 09 50358631
Born 31.03.2015

aAa **351426**

VINTAGE — VINCENT / OSARIA
969 5/4 9572 4,35 417 3,61 346 — **VASIR** 811 4/4 8123 4,42 359 3,58 291 — **PRONTO**

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

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 131** 92%

MILK INDEX (D: 154, H: 124) **MI 121** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1085	-0,16	+31	-0,10	+30

BEEF PERFORMANCE **BI 109** 83%

Daily net gain	Carcass percentage	Carcass grade
106	106	111

FUNCTIONAL TRAITS **FIT 104** 89%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	104	103	112	93	103	91	111	121

Hase, daughter of Vip

LINEAR DESCRIPTION 81 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**91**		
Rump	**103**		
Feet & Legs	**102**		
Udder	**109**		
Final Score	**101**		
Muscling	111	light	heavy
Height at cross	82	small	large
Chest width	96	shallow	deep
Body depth	93	shallow	deep
Backline	105	weak	strong
Rump length	92	short	long
Rump width	108	narrow	wide
Rump angle	96	ascending	sloped
Thurl position	95	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	86	swollen	dry
Pasterns	101	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	113	short	long
Rear udder width	102	narrow	wide
Rear udder height	93	low	high
Susp. ligament	110	weak	strong
Udder depth	92	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	111	staged	inclined
Teat length	83	short	long
Teat thickness	107	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	87	add. teats	clean udder

progeny tested

progeny tested

Helau

HB No. 10/435293
LOM DE 08 16372984
Born 12.01.2016

AG HEBRON — HEGALL / PASTA
AMELDA 6/6 9119 4,15 379 3,90 355 — **JULAU** ALMA 7/6 8546 4,27 365 3,94 337 — **PRONTO**

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

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 131** 91%

MILK INDEX (D: 160, H: 100) **MI 121** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+318	+0,35	+42	+0,13	+22

BEEF PERFORMANCE **BI 90** 87%

Daily net gain	Carcass percentage	Carcass grade
91	90	96

FUNCTIONAL TRAITS **FIT 108** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	115	99	104	109	103	101	107	124

Zilli, daughter of Helau

LINEAR DESCRIPTION 94 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**96**		
Rump	**96**		
Feet & Legs	**112**		
Udder	**117**		
Final Score	**111**		
Muscling	93	light	heavy
Height at cross	95	small	large
Chest width	92	shallow	deep
Body depth	95	shallow	deep
Backline	99	weak	strong
Rump length	101	short	long
Rump width	101	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	100	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	115	weak	strong
Foot angle	116	low angles	steep angles
Fore udder length	99	short	long
Rear udder width	105	narrow	wide
Rear udder height	124	low	high
Susp. ligament	103	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	110	loose	tight
Udder balance	105	staged	inclined
Teat length	99	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	117	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	97	add. teats	clean udder

Dragon

HB No. 10/435317
LOM DE 08 16586042
Born 26.08.2016

DARIO — PAYSSLI / ALIBABA DAVO
EVI 5/4 9096 4,08 372 3,60 328 — **JULENG** ELVIRA 2/2 8010 3,96 317 3,48 279 — **HUSIR**

Milk | **Milking speed** | **Foreudder length**

A1A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 131** 91%

MILK INDEX (D: 252, H: 155) **MI 119** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+798	-0,08	+27	-0,02	+27

BEEF PERFORMANCE **BI 105** 94%

Daily net gain	Carcass percentage	Carcass grade
106	95	106

FUNCTIONAL TRAITS **FIT 108** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
120	105	97	110	95	105	102	115	121

LINEAR DESCRIPTION 125 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Rump	**98**		
Feet & Legs	**97**		
Udder	**103**		
Final Score	**102**		
Muscling	104	light	heavy
Height at cross	97	small	large
Chest width	104	shallow	deep
Body depth	110	shallow	deep
Backline	99	weak	strong
Rump length	107	short	long
Rump width	101	narrow	wide
Rump angle	89	ascending	sloped
Thurl position	95	in the back	in the centre
Hock angularity	108	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	93	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	116	short	long
Rear udder width	97	narrow	wide
Rear udder height	90	low	high
Susp. ligament	96	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	114	loose	tight
Udder balance	106	staged	inclined
Teat length	106	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	97	add. teats	clean udder

Vasmor

HB No. 10/345855
LOM DE 09 51627267
Born 03.12.2016

aAa **342516**

VASSLI — VASIR / BOUNTY
OSMOR 4/4 10570 4,32 456 3,49 369 — **MORIS** OSTAR / **PROSTAR** 7/7 11503 3,84 441 3,54 408

Butterfat | **Fitness** | **Calving ease**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 131** 83%

MILK INDEX (D: 35, H: 29) **MI 118** 90%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+545	+0,18	+38	-0,03	+17

BEEF PERFORMANCE **BI 96** 80%

Daily net gain	Carcass percentage	Carcass grade
101	94	93

FUNCTIONAL TRAITS **FIT 114** 82%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	107	100	111	110	104	114	101	122

Sandra, daughter of Vasmor

LINEAR DESCRIPTION 22 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**101**								
Rump	**97**								
Feet & Legs	**100**								
Udder	**111**								
Final Score	**105**								
Muscling	101	light							heavy
Height at cross	104	small							large
Chest width	98	shallow							deep
Body depth	105	shallow							deep
Backline	94	weak							strong
Rump length	105	short							long
Rump width	96	narrow							wide
Rump angle	83	ascending							sloped
Thurl position	106	in the back							in the centre
Hock angularity	103	straight							sickled
Hock develop.	102	swollen							dry
Pasterns	103	weak							strong
Foot angle	99	low angles							steep angles
Fore udder length	96	short							long
Rear udder width	81	narrow							wide
Rear udder height	103	low							high
Susp. ligament	110	weak							strong
Udder depth	114	deep							shallow
Fore udder att.	115	loose							tight
Udder balance	106	staged							inclined
Teat length	110	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	93	wide							close
Teat placem. (rear)	97	wide							close
Teat direction (rear)	91	outwards							inwards
Udder cleanness	98	add. teats							clean udder

Dorian

HB No. 10/435309
LOM DE 08 16474355
Born 30.06.2016

aAa **243651**

DARIO — PAYSSLI / ALIBABA DAVO
KESSY 4/4 9483 4,54 431 3,73 353 — **ANIBAL** 81376 / **VASIR** 3/3 11310 4,10 463 3,36 380

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 130** 92%

MILK INDEX (D: 265, H: 187) **MI 111** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+141	+0,15	+17	+0,11	+14

BEEF PERFORMANCE **BI 107** 92%

Daily net gain	Carcass percentage	Carcass grade
111	101	98

FUNCTIONAL TRAITS **FIT 118** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	120	106	119	98	105	104	107	125

Gina, daughter of Dorian

LINEAR DESCRIPTION 120 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**102**								
Rump	**105**								
Feet & Legs	**110**								
Udder	**126**								
Final Score	**117**								
Muscling	99	light							heavy
Height at cross	109	small							large
Chest width	98	shallow							deep
Body depth	92	shallow							deep
Backline	108	weak							strong
Rump length	105	short							long
Rump width	95	narrow							wide
Rump angle	104	ascending							sloped
Thurl position	101	in the back							in the centre
Hock angularity	100	straight							sickled
Hock develop.	108	swollen							dry
Pasterns	106	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	105	short							long
Rear udder width	97	narrow							wide
Rear udder height	112	low							high
Susp. ligament	107	weak							strong
Udder depth	123	deep							shallow
Fore udder att.	120	loose							tight
Udder balance	96	staged							inclined
Teat length	86	short							long
Teat thickness	69	thin							thick
Teat placem. (front)	118	wide							close
Teat placem. (rear)	114	wide							close
Teat direction (rear)	120	outwards							inwards
Udder cleanness	102	add. teats							clean udder

progeny tested

Helix

HB No. 10/345860
LOM DE 09 49829243
Born 09.11.2015

AG HEBRON — HEGALL / PASTA
VENUS 5/5 9976 4,17 416 3,60 359 — **PAYSSLI** VRONI 3/3 9663 4,17 403 3,84 371 — **VASIR**

Type	Protein %	Fitness
	A2A2	BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 129** 90%

MILK INDEX (D: 128, H: 111) **MI 119** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+641	-0,02	+25	+0,07	+29

BEEF PERFORMANCE **BI 89** 79%

Daily net gain	Carcass percentage	Carcass grade
93	90	85

FUNCTIONAL TRAITS **FIT 109** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	106	101	105	94	116	109	93	122

LINEAR DESCRIPTION 78 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**107**			
Rump	**102**			
Feet & Legs	**113**			
Udder	**128**			
Final Score	**121**			
Muscling	95	light		heavy
Height at cross	105	small		large
Chest width	103	shallow		deep
Body depth	103	shallow		deep
Backline	103	weak		strong
Rump length	111	short		long
Rump width	116	narrow		wide
Rump angle	86	ascending		sloped
Thurl position	93	in the back		in the centre
Hock angularity	97	straight		sickled
Hock develop.	114	swollen		dry
Pasterns	104	weak		strong
Foot angle	107	low angles		steep angles
Fore udder length	103	short		long
Rear udder width	107	narrow		wide
Rear udder height	121	low		high
Susp. ligament	116	weak		strong
Udder depth	122	deep		shallow
Fore udder att.	119	loose		tight
Udder balance	114	staged		inclined
Teat length	106	short		long
Teat thickness	103	thin		thick
Teat placem. (front)	103	wide		close
Teat placem. (rear)	113	wide		close
Teat direction (rear)	115	outwards		inwards
Udder cleanness	81	add. teats		clean udder

Vidal P*S

HB No. 10/346120
LOM DE 09 51812917
Born 26.07.2016

aAa **261453**

AG VIPER Pp* — AG VANPARI / HELLO Pp
PAULI 6/5 9254 4,61 426 3,85 356 — **HEGALL** PAULINE 2/2 8987 4,52 406 3,90 351 — **VASIR**

Components	Type	Fitness
	A1A2	AB

progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 129** 91%

MILK INDEX (D: 186, H: 144) **MI 117** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+355	+0,14	+26	+0,11	+22

BEEF PERFORMANCE **BI 99** 81%

Daily net gain	Carcass percentage	Carcass grade
101	100	94

FUNCTIONAL TRAITS **FIT 110** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
85	100	92	110	95	115	113	103	119

1598, daughter of Vidal PS

LINEAR DESCRIPTION 77 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**108**			
Rump	**109**			
Feet & Legs	**113**			
Udder	**111**			
Final Score	**114**			
Muscling	88	light		heavy
Height at cross	109	small		large
Chest width	97	shallow		deep
Body depth	107	shallow		deep
Backline	104	weak		strong
Rump length	107	short		long
Rump width	98	narrow		wide
Rump angle	104	ascending		sloped
Thurl position	99	in the back		in the centre
Hock angularity	96	straight		sickled
Hock develop.	110	swollen		dry
Pasterns	113	weak		strong
Foot angle	96	low angles		steep angles
Fore udder length	114	short		long
Rear udder width	115	narrow		wide
Rear udder height	112	low		high
Susp. ligament	104	weak		strong
Udder depth	102	deep		shallow
Fore udder att.	108	loose		tight
Udder balance	100	staged		inclined
Teat length	91	short		long
Teat thickness	84	thin		thick
Teat placem. (front)	107	wide		close
Teat placem. (rear)	111	wide		close
Teat direction (rear)	110	outwards		inwards
Udder cleanness	95	add. teats		clean udder

progeny tested

Hercules

HB No. 10/354860
LOM DE 09 47134850
Born 22.11.2012

aAa **243615**

HEGALL — HUSJET / KORAL
HELENA 4/3 10619 3,66 389 3,55 377 — **HURAY** HELEN 4/3 11887 4,31 512 3,72 442 — **PRONTO**

Milk	Persistency	Milking speed

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 127** 97%

MILK INDEX (D: 585, H: 380) **MI 126** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1332	-0,24	+35	-0,10	+39

BEEF PERFORMANCE **BI 102** 93%

Daily net gain	Carcass percentage	Carcass grade
103	98	99

FUNCTIONAL TRAITS **FIT 93** 96%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	100	118	101	101	97	86	84	113

Helen, grand dam of Hercules, 2nd lac.

LINEAR DESCRIPTION 211 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**98**			
Rump	**97**			
Feet & Legs	**110**			
Udder	**100**			
Final Score	**101**			
Muscling	74	light		heavy
Height at cross	103	small		large
Chest width	91	shallow		deep
Body depth	97	shallow		deep
Backline	101	weak		strong
Rump length	92	short		long
Rump width	94	narrow		wide
Rump angle	104	ascending		sloped
Thurl position	100	in the back		in the centre
Hock angularity	100	straight		sickled
Hock develop.	107	swollen		dry
Pasterns	104	weak		strong
Foot angle	112	low angles		steep angles
Fore udder length	109	short		long
Rear udder width	119	narrow		wide
Rear udder height	117	low		high
Susp. ligament	102	weak		strong
Udder depth	94	deep		shallow
Fore udder att.	82	loose		tight
Udder balance	76	staged		inclined
Teat length	75	short		long
Teat thickness	86	thin		thick
Teat placem. (front)	119	wide		close
Teat placem. (rear)	116	wide		close
Teat direction (rear)	114	outwards		inwards
Udder cleanness	101	add. teats		clean udder

Volker

HB No. 10/435383
LOM DE 08 16637254
Born 28.05.2017

VASSLI — VASIR / BOUNTY
BEATRICE 5/5 10812 4,17 451 3,59 388 — **AG VOLVO** BEATRICE 1/1 8665 4,39 380 3,43 297 — **JULENG**

Milk	Type	Calving ease

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 127** 88%

MILK INDEX (D: 122, H: 72) **MI 121** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+918	+0,00	+38	-0,10	+25

BEEF PERFORMANCE **BI 98** 97%

Daily net gain	Carcass percentage	Carcass grade
102	94	92

FUNCTIONAL TRAITS **FIT 102** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	102	104	109	108	100	92	109	123

Wanja, daughter of Volker

LINEAR DESCRIPTION 55 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**112**			
Rump	**104**			
Feet & Legs	**111**			
Udder	**124**			
Final Score	**121**			
Muscling	102	light		heavy
Height at cross	97	small		large
Chest width	115	shallow		deep
Body depth	118	shallow		deep
Backline	93	weak		strong
Rump length	115	short		long
Rump width	112	narrow		wide
Rump angle	86	ascending		sloped
Thurl position	106	in the back		in the centre
Hock angularity	94	straight		sickled
Hock develop.	98	swollen		dry
Pasterns	116	weak		strong
Foot angle	112	low angles		steep angles
Fore udder length	124	short		long
Rear udder width	112	narrow		wide
Rear udder height	109	low		high
Susp. ligament	121	weak		strong
Udder depth	106	deep		shallow
Fore udder att.	118	loose		tight
Udder balance	118	staged		inclined
Teat length	102	short		long
Teat thickness	85	thin		thick
Teat placem. (front)	112	wide		close
Teat placem. (rear)	113	wide		close
Teat direction (rear)	105	outwards		inwards
Udder cleanness	97	add. teats		clean udder

progeny tested

progeny tested

Davinci

HB No. 10/345715
LOM DE 09 51443890
Born 19.02.2016

aAa **423615**

DARIO — PAYSSLI / ALIBABA DAVO

FAITH 6/6 13587 3,84 522 3,72 506 — **VIGOR** FAITH 5/4 13194 3,50 462 3,53 466 — **PRONTO**

Udder	Fitness	Protein %
A1A2	BB	progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 127** 88%

MILK INDEX (D: 57, H: 55) **MI 111** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+414	-0,08	+11	+0,05	+19

BEEF PERFORMANCE **BI 103** 74%

Daily net gain	Carcass percentage	Carcass grade
103	100	102

FUNCTIONAL TRAITS **FIT 117** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	115	106	114	99	103	109	103	124

Faith, dam of Davinci, 2nd lac.

LINEAR DESCRIPTION 35 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**99**		
Rump	**101**		
Feet & Legs	**108**		
Udder	**120**		
Final Score	**110**		
Muscling	100	light	heavy
Height at cross	108	small	large
Chest width	98	shallow	deep
Body depth	99	shallow	deep
Backline	90	weak	strong
Rump length	107	short	long
Rump width	97	narrow	wide
Rump angle	97	ascending	sloped
Thurl position	95	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	104	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	113	narrow	wide
Rear udder height	110	low	high
Susp. ligament	97	weak	strong
Udder depth	110	deep	shallow
Fore udder att.	112	loose	tight
Udder balance	94	staged	inclined
Teat length	90	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Juli

HB No. 10/345760
LOM DE 09 50015757
Born 10.09.2015

GF.: B2C

AG JUVENTUS — JUHUS / LADY

ISANDRA 4/4 9151 4,48 410 3,71 339 — **HEGALL** ISABEL 1/1 7406 4,00 296 3,40 252 — **VASIR**

Components	Type	Milking speed
BB	progeny tested	

TOTAL MERIT INDEX (Proof: April 2022) **TMI 126** 92%

MILK INDEX (D: 181, H: 150) **MI 123** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+510	+0,29	+46	+0,07	+24

BEEF PERFORMANCE **BI 104** 76%

Daily net gain	Carcass percentage	Carcass grade
106	101	95

FUNCTIONAL TRAITS **FIT 98** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
129	98	96	94	106	103	101	103	117

Afra, daughter of Juli

LINEAR DESCRIPTION 84 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**120**		
Rump	**115**		
Feet & Legs	**103**		
Udder	**106**		
Final Score	**114**		
Muscling	93	light	heavy
Height at cross	122	small	large
Chest width	118	shallow	deep
Body depth	112	shallow	deep
Backline	98	weak	strong
Rump length	123	short	long
Rump width	105	narrow	wide
Rump angle	101	ascending	sloped
Thurl position	108	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	104	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	103	narrow	wide
Rear udder height	109	low	high
Susp. ligament	96	weak	strong
Udder depth	105	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	81	staged	inclined
Teat length	93	short	long
Teat thickness	113	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Viply P*S

HB No. 10/346240
LOM DE 09 52009981
Born 19.01.2017

AG VIPER Pp*
- AG VANPARI
- HELLO Pp

BELLA
6/6 11211 4,24 475 3,59 403
- **HURAY**
  - BIANKA
  - 4/4 9230 4,52 418 3,50 324
- **VASIR**

Components	Prod. increase	Type

A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 125** 86%

MILK INDEX (D: 72, H: 56) **MI 119** 94%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+263	+0,40	+43	+0,09	+17

BEEF PERFORMANCE **BI 98** 81%

Daily net gain	Carcass percentage	Carcass grade
98	105	95

FUNCTIONAL TRAITS **FIT 104** 83%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	104	97	101	97	100	106	98	117

Lydia, daughter of Viply PS

LINEAR DESCRIPTION 39 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Rump	**106**		
Feet & Legs	**108**		
Udder	**111**		
Final Score	**113**		
Muscling	95	light	heavy
Height at cross	110	small	large
Chest width	98	shallow	deep
Body depth	107	shallow	deep
Backline	103	weak	strong
Rump length	104	short	long
Rump width	92	narrow	wide
Rump angle	102	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	106	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	102	short	long
Rear udder width	98	narrow	wide
Rear udder height	104	low	high
Susp. ligament	98	weak	strong
Udder depth	107	deep	shallow
Fore udder att.	102	loose	tight
Udder balance	97	staged	inclined
Teat length	92	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	108	add. teats	clean udder

Amor

HB No. 10/356730
LOM DE 09 49030919
Born 23.11.2014

aAa **342156**

ANIBAL
- VIGOR
- ALLISON

DEBORA
7/7 11292 3,80 429 3,61 408
- **HURAY**
  - DIANA
  - 4/3 9241 3,60 333 3,38 312
- **DYNAMIT**

Milk	Udder health	Persistency

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 125** 97%

MILK INDEX (D: 1148, H: 610) **MI 118** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1068	-0,22	+26	-0,14	+26

BEEF PERFORMANCE **BI 85** 97%

Daily net gain	Carcass percentage	Carcass grade
90	89	83

FUNCTIONAL TRAITS **FIT 104** 96%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	118	126	109	87	90	82	107	115

Sonja, daughter of Amor

LINEAR DESCRIPTION 428 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Rump	**91**		
Feet & Legs	**105**		
Udder	**110**		
Final Score	**105**		
Muscling	80	light	heavy
Height at cross	104	small	large
Chest width	92	shallow	deep
Body depth	103	shallow	deep
Backline	101	weak	strong
Rump length	97	short	long
Rump width	103	narrow	wide
Rump angle	97	ascending	sloped
Thurl position	84	in the back	in the centre
Hock angularity	101	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	106	weak	strong
Foot angle	116	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	115	narrow	wide
Rear udder height	109	low	high
Susp. ligament	104	weak	strong
Udder depth	96	deep	shallow
Fore udder att.	99	loose	tight
Udder balance	88	staged	inclined
Teat length	106	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	119	wide	close
Teat placem. (rear)	117	wide	close
Teat direction (rear)	114	outwards	inwards
Udder cleanness	105	add. teats	clean udder

progeny tested

progeny tested

Varianz

HB No. 10/346270
LOM DE 09 52433858
Born 27.12.2016

VASSLI — VASIR / BOUNTY
WANDA 7/6 9351 3,98 372 3,45 323 — **HURAY** WELLA 1/1 5870 4,29 252 3,71 218 — **ETPAT**

Butterfat | **Longevity** | **Udder**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 125** 83%

MILK INDEX (D: 44, H: 41) **MI 117** 90%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+732	+0,10	+40	-0,15	+14

BEEF PERFORMANCE **BI 97** 83%

Daily net gain	Carcass percentage	Carcass grade
98	100	93

FUNCTIONAL TRAITS **FIT 107** 82%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	100	109	110	109	99	101	108	124

LINEAR DESCRIPTION 23 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**104**								
Rump	**111**								
Feet & Legs	**106**								
Udder	**119**								
Final Score	**114**								
Muscling	100	light							heavy
Height at cross	112	small							large
Chest width	100	shallow							deep
Body depth	100	shallow							deep
Backline	99	weak							strong
Rump length	116	short							long
Rump width	101	narrow							wide
Rump angle	100	ascending							sloped
Thurl position	113	in the back							in the centre
Hock angularity	98	straight							sickled
Hock develop.	90	swollen							dry
Pasterns	107	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	112	short							long
Rear udder width	94	narrow							wide
Rear udder height	112	low							high
Susp. ligament	109	weak							strong
Udder depth	118	deep							shallow
Fore udder att.	109	loose							tight
Udder balance	109	staged							inclined
Teat length	104	short							long
Teat thickness	95	thin							thick
Teat placem. (front)	101	wide							close
Teat placem. (rear)	108	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	102	add. teats							clean udder

Hirsch

HB No. 10/345710
LOM DE 09 50550236
Born 03.07.2015

aAa **426513**

GS HIMALAYA — GS HUXOY / ALORE
MIRELL 6/5 12112 3,86 467 3,60 436 — **HURAY** MAIKA 4/4 13270 4,10 545 3,65 484 — **VASIR**

Milk | **Type** | **Persistency**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 124** 90%

MILK INDEX (D: 117, H: 107) **MI 116** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+846	-0,15	+23	-0,09	+23

BEEF PERFORMANCE **BI 97** 77%

Daily net gain	Carcass percentage	Carcass grade
99	97	96

FUNCTIONAL TRAITS **FIT 106** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	107	112	106	92	107	100	92	117

Milli, daughter of Hirsch

LINEAR DESCRIPTION 62 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**112**								
Rump	**110**								
Feet & Legs	**118**								
Udder	**109**								
Final Score	**116**								
Muscling	83	light							heavy
Height at cross	115	small							large
Chest width	100	shallow							deep
Body depth	102	shallow							deep
Backline	114	weak							strong
Rump length	106	short							long
Rump width	101	narrow							wide
Rump angle	108	ascending							sloped
Thurl position	106	in the back							in the centre
Hock angularity	106	straight							sickled
Hock develop.	117	swollen							dry
Pasterns	113	weak							strong
Foot angle	100	low angles							steep angles
Fore udder length	111	short							long
Rear udder width	104	narrow							wide
Rear udder height	112	low							high
Susp. ligament	100	weak							strong
Udder depth	108	deep							shallow
Fore udder att.	103	loose							tight
Udder balance	96	staged							inclined
Teat length	104	short							long
Teat thickness	89	thin							thick
Teat placem. (front)	89	wide							close
Teat placem. (rear)	103	wide							close
Teat direction (rear)	102	outwards							inwards
Udder cleanness	88	add. teats							clean udder

Cadura

HB No. 10/435267
LOM DE 08 16074070
Born 24.05.2015

aAa **243165**

CADENCE
- BROOKINGS
- BUFFY

706
5/5 11981 3,91 469 3,50 420

- **GS HUXOY**
  - IDA
  - 7/7 11432 4,06 464 3,39 388
- **HURAY**

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

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 124** 97%

MILK INDEX (D: 1110, H: 462) **MI 114** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+900	-0,30	+12	-0,07	+27

BEEF PERFORMANCE **BI 100** 98%

Daily net gain	Carcass percentage	Carcass grade
102	99	96

FUNCTIONAL TRAITS **FIT 106** 96%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
114	114	95	103	106	107	103	91	117

Petronella, daughter of Cadura

LINEAR DESCRIPTION 577 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**105**								
Rump	**91**								
Feet & Legs	**97**								
Udder	**107**								
Final Score	**104**								
Muscling	95	light							heavy
Height at cross	104	small							large
Chest width	105	shallow							deep
Body depth	105	shallow							deep
Backline	94	weak							strong
Rump length	101	short							long
Rump width	110	narrow							wide
Rump angle	87	ascending							sloped
Thurl position	80	in the back							in the centre
Hock angularity	98	straight							sickled
Hock develop.	98	swollen							dry
Pasterns	94	weak							strong
Foot angle	96	low angles							steep angles
Fore udder length	106	short							long
Rear udder width	108	narrow							wide
Rear udder height	110	low							high
Susp. ligament	91	weak							strong
Udder depth	101	deep							shallow
Fore udder att.	107	loose							tight
Udder balance	99	staged							inclined
Teat length	100	short							long
Teat thickness	93	thin							thick
Teat placem. (front)	94	wide							close
Teat placem. (rear)	87	wide							close
Teat direction (rear)	91	outwards							inwards
Udder cleanness	100	add. teats							clean udder

Astorio

HB No. 10/435331
LOM DE 08 16466906
Born 09.10.2016

ASSAY
- ANIBAL
- QUALI

ZIRBI
7/7 8072 3,55 286 3,56 288

- **HURAY**
  - ZENZ
  - 5/5 7148 4,17 298 3,86 276
- **ETPAT (M*)**

Udder | **Persistency** | **Fitness**

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 124** 88%

MILK INDEX (D: 110, H: 73) **MI 107** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+462	-0,24	-1	+0,00	+16

BEEF PERFORMANCE **BI 98** 92%

Daily net gain	Carcass percentage	Carcass grade
103	93	93

FUNCTIONAL TRAITS **FIT 119** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	112	115	115	91	106	108	111	119

Quali, granddam of Astorio

LINEAR DESCRIPTION 60 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**101**								
Rump	**92**								
Feet & Legs	**100**								
Udder	**118**								
Final Score	**109**								
Muscling	89	light							heavy
Height at cross	106	small							large
Chest width	105	shallow							deep
Body depth	98	shallow							deep
Backline	98	weak							strong
Rump length	99	short							long
Rump width	97	narrow							wide
Rump angle	87	ascending							sloped
Thurl position	88	in the back							in the centre
Hock angularity	114	straight							sickled
Hock develop.	91	swollen							dry
Pasterns	99	weak							strong
Foot angle	112	low angles							steep angles
Fore udder length	100	short							long
Rear udder width	103	narrow							wide
Rear udder height	109	low							high
Susp. ligament	109	weak							strong
Udder depth	119	deep							shallow
Fore udder att.	111	loose							tight
Udder balance	99	staged							inclined
Teat length	92	short							long
Teat thickness	93	thin							thick
Teat placem. (front)	115	wide							close
Teat placem. (rear)	115	wide							close
Teat direction (rear)	109	outwards							inwards
Udder cleanness	104	add. teats							clean udder

progeny tested

progeny tested

Veritas

HB No. 10/345570
LOM DE 09 50369353
Born 02.01.2015

aAa **642153**

AG VERDI — VERSACE / IDRO
DELIA 7/6 10364 3,79 393 3,48 361 — **VASIR** / DOBA — **PAYBOY**
4/4 8054 4,51 363 3,64 293

Components | **Rump** | **Calving ease mat.**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 123** 89%

MILK INDEX (D: 70, H: 66) **MI 117** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+458	+0,08	+26	+0,07	+22

BEEF PERFORMANCE **BI 99** 81%

Daily net gain	Carcass percentage	Carcass grade
99	96	102

FUNCTIONAL TRAITS **FIT 105** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	98	100	102	94	115	109	94	111

Evelyn, daughter of Veritas

LINEAR DESCRIPTION 55 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Rump	**113**		
Feet & Legs	**108**		
Udder	**100**		
Final Score	**107**		
Muscling	100	light	heavy
Height at cross	110	small	large
Chest width	107	shallow	deep
Body depth	105	shallow	deep
Backline	94	weak	strong
Rump length	103	short	long
Rump width	122	narrow	wide
Rump angle	105	ascending	sloped
Thurl position	98	in the back	in the centre
Hock angularity	92	straight	sickled
Hock develop.	88	swollen	dry
Pasterns	114	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	109	narrow	wide
Rear udder height	100	low	high
Susp. ligament	91	weak	strong
Udder depth	95	deep	shallow
Fore udder att.	98	loose	tight
Udder balance	97	staged	inclined
Teat length	96	short	long
Teat thickness	117	thin	thick
Teat placem. (front)	94	wide	close
Teat placem. (rear)	94	wide	close
Teat direction (rear)	94	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Castle

HB No. 10/345560
LOM DE 09 49048359
Born 29.12.2014

aAa **324156**

CADENCE — BROOKINGS / BUFFY
BIRZLE 5/4 9766 4,14 405 3,58 350 — **PROSSLI** / BIRTE — **VASIR**
4/4 10056 4,70 473 3,93 395

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

BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 123** 90%

MILK INDEX (D: 100, H: 80) **MI 117** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+619	+0,04	+29	-0,02	+21

BEEF PERFORMANCE **BI 96** 78%

Daily net gain	Carcass percentage	Carcass grade
97	95	99

FUNCTIONAL TRAITS **FIT 105** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
94	103	96	96	102	106	111	99	114

Bini, daughter of Castle

LINEAR DESCRIPTION 59 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Rump	**91**		
Feet & Legs	**99**		
Udder	**115**		
Final Score	**107**		
Muscling	98	light	heavy
Height at cross	99	small	large
Chest width	95	shallow	deep
Body depth	105	shallow	deep
Backline	87	weak	strong
Rump length	97	short	long
Rump width	101	narrow	wide
Rump angle	87	ascending	sloped
Thurl position	90	in the back	in the centre
Hock angularity	106	straight	sickled
Hock develop.	112	swollen	dry
Pasterns	97	weak	strong
Foot angle	87	low angles	steep angles
Fore udder length	100	short	long
Rear udder width	108	narrow	wide
Rear udder height	108	low	high
Susp. ligament	110	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	96	staged	inclined
Teat length	90	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	113	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Viori

HB No. 10/345495
LOM DE 09 49756863
Born 27.02.2015

aAa **342615**

VIVID — VIGOR / MOIADO BISTA
ZULU 6/6 9943 3,36 334 3,52 350 — **JULENG** ZENZ 4/4 9791 3,41 334 3,53 346 — **PREGO**

Type	Milk	Milking speed

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 123** 89%

MILK INDEX (D: 81, H: 70) **MI 115** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+657	-0,15	+15	+0,02	+26

BEEF PERFORMANCE **BI 107** 75%

Daily net gain	Carcass percentage	Carcass grade
109	101	106

FUNCTIONAL TRAITS **FIT 104** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	98	110	108	100	104	103	91	119

Flumi, daughter of Viori

LINEAR DESCRIPTION 56 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**117**		
Rump	**112**		
Feet & Legs	**102**		
Udder	**114**		
Final Score	**116**		
Muscling	96	light	heavy
Height at cross	112	small	large
Chest width	108	shallow	deep
Body depth	109	shallow	deep
Backline	125	weak	strong
Rump length	111	short	long
Rump width	117	narrow	wide
Rump angle	117	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	105	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	98	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	115	narrow	wide
Rear udder height	113	low	high
Susp. ligament	111	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	102	loose	tight
Udder balance	100	staged	inclined
Teat length	88	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	113	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Brilliant

HB No. 10/344880
LOM DE 09 48335329
Born 06.01.2013

aAa **615243** GF.: B2C

BROOKINGS — PAYOFF / BROOKE
SELINA 4/4 12635 4,09 517 3,73 471 — **EGIZ** SUSI 2/1 9797 4,04 396 3,91 383 — **HUSSLI**

Type	Fitness	Components

A1A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 123** 94%

MILK INDEX (D: 191, H: 152) **MI 113** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+229	+0,13	+20	+0,11	+17

BEEF PERFORMANCE **BI 106** 87%

Daily net gain	Carcass percentage	Carcass grade
104	102	106

FUNCTIONAL TRAITS **FIT 108** 91%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
95	105	110	103	102	104	106	100	121

Erika, daughter of Brilliant

LINEAR DESCRIPTION 65 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Rump	**111**		
Feet & Legs	**111**		
Udder	**111**		
Final Score	**114**		
Muscling	111	light	heavy
Height at cross	107	small	large
Chest width	110	shallow	deep
Body depth	106	shallow	deep
Backline	96	weak	strong
Rump length	102	short	long
Rump width	113	narrow	wide
Rump angle	103	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	90	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	110	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	90	short	long
Rear udder width	107	narrow	wide
Rear udder height	107	low	high
Susp. ligament	101	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	102	loose	tight
Udder balance	92	staged	inclined
Teat length	80	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	115	outwards	inwards
Udder cleanness	103	add. teats	clean udder

progeny tested

progeny tested

Jakarta

HB No. 10/345840
LOM DE 09 50954498
Born 10.10.2015

aAa **561423**

AG JAMES — JAGUAR / SELINA
SUSI 6/5 8243 4,45 367 3,91 322 — **HURAY** SYBILLE 5/5 11912 3,95 470 3,39 404 — **VASIR**

Longevity	Fitness	Type

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 123** 90%

MILK INDEX (D: 108, H: 98) **MI 112** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+497	+0,01	+21	-0,03	+15

BEEF PERFORMANCE **BI 99** 78%

Daily net gain	Carcass percentage	Carcass grade
99	104	98

FUNCTIONAL TRAITS **FIT 110** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	103	105	118	108	107	100	105	124

Natalie, daughter of Jakarta

LINEAR DESCRIPTION 60 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Rump	**107**		
Feet & Legs	**107**		
Udder	**114**		
Final Score	**113**		
Muscling	117	light	heavy
Height at cross	96	small	large
Chest width	111	shallow	deep
Body depth	108	shallow	deep
Backline	98	weak	strong
Rump length	103	short	long
Rump width	101	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	108	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	85	swollen	dry
Pasterns	113	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	114	short	long
Rear udder width	101	narrow	wide
Rear udder height	102	low	high
Susp. ligament	104	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	112	staged	inclined
Teat length	94	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	119	wide	close
Teat direction (rear)	116	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Hangover

HB No. 10/345755
LOM DE 09 51443902
Born 09.04.2016

aAa **243615**

HARRISON — HARLEY / RINHA
FAITH 6/6 13587 3,84 522 3,72 506 — **VIGOR** FAITH 5/4 13194 3,50 462 3,53 466 — **PRONTO**

Udder	Fitness	Protein %

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 122** 85%

MILK INDEX (D: 32, H: 28) **MI 109** 92%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+286	-0,04	+8	+0,07	+16

BEEF PERFORMANCE **BI 99** 73%

Daily net gain	Carcass percentage	Carcass grade
102	90	99

FUNCTIONAL TRAITS **FIT 116** 82%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	112	102	114	100	96	116	93	115

Faith, dam of Hangover, 2. lac.

LINEAR DESCRIPTION 25 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Rump	**97**		
Feet & Legs	**100**		
Udder	**113**		
Final Score	**107**		
Muscling	100	light	heavy
Height at cross	113	small	large
Chest width	104	shallow	deep
Body depth	102	shallow	deep
Backline	92	weak	strong
Rump length	102	short	long
Rump width	87	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	97	in the back	in the centre
Hock angularity	77	straight	sickled
Hock develop.	82	swollen	dry
Pasterns	113	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	94	short	long
Rear udder width	104	narrow	wide
Rear udder height	118	low	high
Susp. ligament	86	weak	strong
Udder depth	120	deep	shallow
Fore udder att.	116	loose	tight
Udder balance	103	staged	inclined
Teat length	91	short	long
Teat thickness	87	thin	thick
Teat placem. (front)	93	wide	close
Teat placem. (rear)	94	wide	close
Teat direction (rear)	92	outwards	inwards
Udder cleanness	102	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Glarus

HB No. 10/344750
LOM DE 09 48074462
Born 12.10.2012

aAa **243615** GF.: B2C

GLENN — GORDON / SVENJA
DINAR 8/8 9695 4,10 397 3,67 356 — **ZEUS** / DIVA — **VINOZAK**
8/8 10560 4,51 476 3,83 405

Milk | **Calving ease** | **Feet & Legs**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 120** 97%

MILK INDEX (D: 712, H: 446) **MI 117** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+942	-0,18	+24	-0,10	+25

BEEF PERFORMANCE **BI 93** 96%

Daily net gain	Carcass percentage	Carcass grade
95	98	89

FUNCTIONAL TRAITS **FIT 99** 95%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	103	80	98	115	96	102	104	110

Fanta, daughter of Glarus

LINEAR DESCRIPTION 392 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**108**			
Rump	**94**			
Feet & Legs	**107**			
Udder	**107**			
Final Score	**108**			
Muscling	90	light		heavy
Height at cross	114	small		large
Chest width	100	shallow		deep
Body depth	102	shallow		deep
Backline	110	weak		strong
Rump length	113	short		long
Rump width	89	narrow		wide
Rump angle	88	ascending		sloped
Thurl position	92	in the back		in the centre
Hock angularity	97	straight		sickled
Hock develop.	105	swollen		dry
Pasterns	99	weak		strong
Foot angle	110	low angles		steep angles
Fore udder length	94	short		long
Rear udder width	103	narrow		wide
Rear udder height	99	low		high
Susp. ligament	117	weak		strong
Udder depth	107	deep		shallow
Fore udder att.	106	loose		tight
Udder balance	87	staged		inclined
Teat length	99	short		long
Teat thickness	109	thin		thick
Teat placem. (front)	107	wide		close
Teat placem. (rear)	127	wide		close
Teat direction (rear)	119	outwards		inwards
Udder cleanness	97	add. teats		clean udder

Highleng

HB No. 10/435230
LOM DE 08 15452264
Born 14.10.2013

aAa **432561**

GS HIGHWAY — HURAY / ALICE
SISSI 3/3 7215 4,72 340 3,51 253 — **JULENG** / SILKE — **HUCOS**
5/5 8749 3,81 333 3,33 291

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

BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 120** 94%

MILK INDEX (D: 263, H: 148) **MI 115** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+839	-0,18	+20	-0,07	+24

BEEF PERFORMANCE **BI 95** 95%

Daily net gain	Carcass percentage	Carcass grade
96	98	96

FUNCTIONAL TRAITS **FIT 100** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	104	109	106	102	100	90	103	113

Gänseblümchen, daughter of Highleng

LINEAR DESCRIPTION 159 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**100**			
Rump	**103**			
Feet & Legs	**105**			
Udder	**112**			
Final Score	**108**			
Muscling	105	light		heavy
Height at cross	93	small		large
Chest width	103	shallow		deep
Body depth	105	shallow		deep
Backline	92	weak		strong
Rump length	101	short		long
Rump width	110	narrow		wide
Rump angle	100	ascending		sloped
Thurl position	107	in the back		in the centre
Hock angularity	101	straight		sickled
Hock develop.	101	swollen		dry
Pasterns	96	weak		strong
Foot angle	101	low angles		steep angles
Fore udder length	122	short		long
Rear udder width	116	narrow		wide
Rear udder height	100	low		high
Susp. ligament	103	weak		strong
Udder depth	96	deep		shallow
Fore udder att.	119	loose		tight
Udder balance	99	staged		inclined
Teat length	111	short		long
Teat thickness	100	thin		thick
Teat placem. (front)	104	wide		close
Teat placem. (rear)	105	wide		close
Teat direction (rear)	103	outwards		inwards
Udder cleanness	101	add. teats		clean udder

progeny tested

progeny tested

Valerian

HB No. 10/345995
LOM DE 09 51805871
Born 15.12.2016

aAa **243615**

VASSLI — VASIR / BOUNTY
SAHNE 5/4 8567 4,30 368 3,51 301 — **JULENG** SILVIA 7/7 8047 4,06 327 3,50 282 — **HURAY**

Milk	Milking speed	Type

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 120** 88%

MILK INDEX (D: 112, H: 89) **MI 113** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+850	-0,15	+22	-0,16	+17

BEEF PERFORMANCE **BI 94** 84%

Daily net gain	Carcass percentage	Carcass grade
95	93	96

FUNCTIONAL TRAITS **FIT 105** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
121	101	99	111	103	107	94	120	121

Nickita, daughter of Valerian

LINEAR DESCRIPTION 67 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Rump	**114**		
Feet & Legs	**113**		
Udder	**111**		
Final Score	**114**		
Muscling	107	light	heavy
Height at cross	103	small	large
Chest width	98	shallow	deep
Body depth	106	shallow	deep
Backline	104	weak	strong
Rump length	109	short	long
Rump width	105	narrow	wide
Rump angle	110	ascending	sloped
Thurl position	112	in the back	in the centre
Hock angularity	92	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	113	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	124	short	long
Rear udder width	101	narrow	wide
Rear udder height	102	low	high
Susp. ligament	111	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	107	loose	tight
Udder balance	115	staged	inclined
Teat length	96	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	96	add. teats	clean udder

Huvega

HB No. 10/435302
LOM DE 05 38918896
Born 16.03.2016

GS HUVI — GS HUXOY / ILUISE
HANCHEN — **HEGALL** HASELI — **PROHUVO**

Udder	Butterfat	Feet & legs

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 120** 89%

MILK INDEX (D: 118, H: 74) **MI 112** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+564	+0,03	+26	-0,09	+13

BEEF PERFORMANCE **BI 106** 86%

Daily net gain	Carcass percentage	Carcass grade
105	104	103

FUNCTIONAL TRAITS **FIT 106** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
94	109	93	103	102	106	106	96	116

LINEAR DESCRIPTION 60 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Rump	**107**		
Feet & Legs	**109**		
Udder	**116**		
Final Score	**113**		
Muscling	99	light	heavy
Height at cross	99	small	large
Chest width	104	shallow	deep
Body depth	100	shallow	deep
Backline	101	weak	strong
Rump length	100	short	long
Rump width	97	narrow	wide
Rump angle	96	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	103	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	100	short	long
Rear udder width	100	narrow	wide
Rear udder height	103	low	high
Susp. ligament	109	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	112	loose	tight
Udder balance	105	staged	inclined
Teat length	93	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Vintage

HB No. 10/344620
LOM DE 09 46833089
Born 26.07.2011

aAa **234165**

VINCENT — VINOZAK *TW / ESTA
OSARIA 8/7 9274 4,47 414 3,87 359 — **JUBLEND** / OLPE 4/4 9414 4,32 407 3,48 328 — **PRESIDENT (D)**

Milk | **Rump** | **Feet & Legs**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 118** 99%

MILK INDEX (D: 4442, H: 1816) **MI 118** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+703	-0,02	+27	-0,01	+25

BEEF PERFORMANCE **BI 97** 98%

Daily net gain	Carcass percentage	Carcass grade
96	97	103

FUNCTIONAL TRAITS **FIT 94** 99%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	99	104	98	103	101	88	104	112

Corinna, daughter of Vintage

LINEAR DESCRIPTION 1007 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**99**		
Rump	**110**		
Feet & Legs	**104**		
Udder	**104**		
Final Score	**103**		
Muscling	100	light	heavy
Height at cross	97	small	large
Chest width	93	shallow	deep
Body depth	96	shallow	deep
Backline	108	weak	strong
Rump length	109	short	long
Rump width	107	narrow	wide
Rump angle	107	ascending	sloped
Thurl position	108	in the back	in the centre
Hock angularity	104	straight	sickled
Hock develop.	89	swollen	dry
Pasterns	104	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	102	short	long
Rear udder width	93	narrow	wide
Rear udder height	100	low	high
Susp. ligament	109	weak	strong
Udder depth	100	deep	shallow
Fore udder att.	95	loose	tight
Udder balance	94	staged	inclined
Teat length	87	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	94	add. teats	clean udder

David Pp*

HB No. 10/346210
LOM DE 09 51636063
Born 24.12.2016

aAa **234165**

DANE — CADENCE / ALIBABA DAVO
PALIDA 4/4 8544 4,26 364 3,74 320 — **VIVID** / PALME Pp 10/10 8063 4,29 346 3,83 309 — **SAMAR Pp**

Components | **Vitality** | **Persistency**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 116** 87%

MILK INDEX (D: 112, H: 87) **MI 109** 94%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+186	+0,11	+17	+0,03	+9

BEEF PERFORMANCE **BI 94** 96%

Daily net gain	Carcass percentage	Carcass grade
95	98	97

FUNCTIONAL TRAITS **FIT 106** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	98	111	105	103	107	99	119	115

Elsizia, daughter of David Pp

LINEAR DESCRIPTION 32 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**107**		
Rump	**112**		
Feet & Legs	**106**		
Udder	**107**		
Final Score	**110**		
Muscling	95	light	heavy
Height at cross	107	small	large
Chest width	102	shallow	deep
Body depth	103	shallow	deep
Backline	102	weak	strong
Rump length	106	short	long
Rump width	95	narrow	wide
Rump angle	109	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	99	straight	sickled
Hock develop.	113	swollen	dry
Pasterns	89	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	106	short	long
Rear udder width	110	narrow	wide
Rear udder height	107	low	high
Susp. ligament	87	weak	strong
Udder depth	105	deep	shallow
Fore udder att.	101	loose	tight
Udder balance	95	staged	inclined
Teat length	94	short	long
Teat thickness	112	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	86	wide	close
Teat direction (rear)	89	outwards	inwards
Udder cleanness	93	add. teats	clean udder

progeny tested

progeny tested

Hacker

HB No. 10/343980
LOM DE 09 42089722
Born 17.10.2008

aAa **654123**

HURAY — HUSSLI LAURA
KONNI 5/5 9417 3,58 337 3,49 329 — **HUCOS** KONNI 2/2 8489 4,16 354 3,62 307 — **SIMERL**

Calving ease | **Fitness** | **Feet & legs**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 115** 99%

MILK INDEX (D: 5277, H: 2109) **MI 102** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+397	-0,21	0	-0,11	+5

BEEF PERFORMANCE **BI 103** 98%

Daily net gain	Carcass percentage	Carcass grade
102	101	106

FUNCTIONAL TRAITS **FIT 113** 99%

				Calving ease				
MS	UH	Pers	PL	CEp	CEm	Fert	VIT	ETMI
105	111	108	119	111	106	102	101	114

Minka, daughter of Hacker, 4th lac.

LINEAR DESCRIPTION 1771 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**93**		
Rump	**99**		
Feet & Legs	**116**		
Udder	**113**		
Final Score	**107**		
Muscling	105	light	heavy
Height at cross	95	small	large
Chest width	90	shallow	deep
Body depth	89	shallow	deep
Backline	105	weak	strong
Rump length	95	short	long
Rump width	84	narrow	wide
Rump angle	105	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	129	swollen	dry
Pasterns	100	weak	strong
Foot angle	96	low angles	steep angles
Fore udder length	97	short	long
Rear udder width	86	narrow	wide
Rear udder height	103	low	high
Susp. ligament	102	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	113	loose	tight
Udder balance	100	staged	inclined
Teat length	96	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Antonov

HB No. 10/435319
LOM LU 299.518.743
Born 24.09.2016

aAa **246135**

ANIBAY — ANIBAL INDIRA
NOUGAT 1/1 7294 5,33 389 4,11 300 — **AG VANPARI** NICKI 6/6 6297 5,05 318 3,78 238 — **PAYSSLI**

Type | **Components** | **Persistency**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2022) **TMI 109** 95%

MILK INDEX (D: 509, H: 257) **MI 106** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+41	+0,15	+14	+0,06	+6

BEEF PERFORMANCE **BI 92** 98%

Daily net gain	Carcass percentage	Carcass grade
97	94	82

FUNCTIONAL TRAITS **FIT 102** 92%

				Calving ease				
MS	UH	Pers	PL	CEp	CEm	Fert	VIT	ETMI
94	98	121	106	93	93	92	110	109

Leonie, daughter of Antonov

LINEAR DESCRIPTION 362 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**115**		
Rump	**111**		
Feet & Legs	**111**		
Udder	**115**		
Final Score	**117**		
Muscling	86	light	heavy
Height at cross	130	small	large
Chest width	94	shallow	deep
Body depth	112	shallow	deep
Backline	123	weak	strong
Rump length	119	short	long
Rump width	95	narrow	wide
Rump angle	104	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	114	weak	strong
Foot angle	125	low angles	steep angles
Fore udder length	102	short	long
Rear udder width	95	narrow	wide
Rear udder height	124	low	high
Susp. ligament	96	weak	strong
Udder depth	115	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	101	staged	inclined
Teat length	89	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	118	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Crossbreeding

Suitability of the proven bulls for crossbreeding

p.	Name	KK	BK	aAa	TMI	ECO	Index milk	Milk [kg]	fat-%	prot.-%	F+P [kg]	Index beef	FIT	Cp	F	R	F&L	UC	EXT	Holstein F1	Holstein F2/F3	RB	J
8	**Husold**	AB			**145**	131	118	+889	-0,17	-0,05	51	108	124	106	98	97	106	105	103		x	x	
8	**Hebron**	BB	A2A2	654123	**138**	123	122	+362	0,36	0,12	68	88	113	101	83	81	112	113	100				
9	**Habitus**	BB	A2A2		**137**	121	127	+1314	-0,20	-0,08	77	106	105	90	95	95	100	107	100		x		
9	**Pukari**	BB	A2A2	516432	**136**	127	123	+975	-0,09	-0,03	66	110	108	106	100	100	108	108	106	x	x	x	x
10	**Posch**	BB			**135**	126	119	+703	-0,01	0,01	54	91	116	102	88	81	105	109	100	x			
10	**Vavio**	BB	A2A2		**135**	128	116	+879	-0,23	-0,06	43	107	118	101	108	92	104	111	109		x	x	
11	**Hudson**	AA	A1A1	615243	**134**	123	116	+739	-0,19	0,01	42	100	117	110	106	99	105	100	103		x		
11	**Valor**	BB	A2A2		**134**	124	126	+1210	-0,06	-0,13	78	104	104	97	119	110	110	109	114		x	x	x
12	**Visor P*S**	AB	A1A1	615243	**134**	126	116	+205	0,34	0,09	50	108	117	95	111	114	109	119	118	x	x	x	x
12	**Hallodri**	BB	A2A2		**132**	123	117	+1331	-0,43	-0,18	48	112	111	104	107	103	105	104	106		x		
13	**Verdi**	BB	A2A2	546312	**132**	116	115	+144	0,20	0,18	41	94	116	92	95	101	102	102	100	x			
13	**Vip**	AB	A2A2	351426	**131**	121	121	+1085	-0,16	-0,10	61	109	104	93	91	103	102	109	101		x		
14	**Helau**	AB	A2A2		**131**	124	121	+318	0,35	0,13	64	90	108	109	96	96	112	117	111	x		x	
14	**Dragon**	BB	A1A2		**131**	121	119	+798	-0,08	-0,02	54	105	108	95	106	98	97	103	102		x		
15	**Vasmor**	AB	A2A2	342516	**131**	122	118	+545	0,18	-0,03	55	96	114	110	101	97	100	111	105	x	x		
15	**Dorian**	BB	A2A2	243651	**130**	125	111	+141	0,15	0,11	31	107	118	98	102	105	110	126	117	x		x	
16	**Helix**	BB	A2A2		**129**	122	119	+641	-0,02	0,07	54	89	109	94	107	102	113	128	121	x	x	x	
16	**Vidal P*S**	AB	A1A2	261453	**129**	119	117	+355	0,14	0,11	48	99	110	95	108	109	113	111	114	x			
17	**Hercules**	BB	A2A2	243615	**127**	113	126	+1332	-0,24	-0,10	74	102	93	101	98	97	110	100	101		x		
17	**Volker**	BB	A2A2		**127**	123	121	+918	0,00	-0,10	63	98	102	108	112	104	111	124	121		x	x	x
18	**Davinci**	BB	A1A2	423615	**127**	124	111	+414	-0,08	0,05	30	103	117	99	99	101	108	120	110	x			
18	**Juli**	BB			**126**	117	123	+510	0,29	0,07	70	104	98	106	120	115	103	106	114	x			
19	**Amor**	BB	A2A2	342156	**125**	115	118	+1068	-0,22	-0,14	52	85	104	87	101	91	105	110	105		x	x	
19	**Viply P*S**	AA	A1A2		**125**	117	119	+263	0,40	0,09	60	98	104	97	111	106	108	111	113	x			
20	**Varianz**	BB	A2A2		**125**	124	117	+732	0,10	-0,15	54	97	107	109	104	111	106	119	114		x	x	x
20	**Hirsch**	BB	A2A2	426513	**124**	117	116	+846	-0,15	-0,09	46	97	106	92	112	110	118	109	116		x	x	x
21	**Astorio**	BB	A2A2		**124**	119	107	+462	-0,24	0,00	15	98	119	91	101	92	100	118	109				
21	**Cadura**	BB	A2A2	243165	**124**	117	114	+900	-0,30	-0,07	39	100	106	106	105	91	97	107	104		x		
22	**Veritas**	AB	A2A2	642153	**123**	111	117	+458	0,08	0,07	48	99	105	94	109	113	108	100	107	x	x	x	
22	**Castle**	BB		324156	**123**	114	117	+619	0,04	-0,02	50	96	105	102	100	91	99	115	107	x			
23	**Brilliant**	AB	A1A2	615243	**123**	121	113	+229	0,13	0,11	37	106	108	102	110	111	111	111	114	x			
23	**Viori**	AB	A2A2	342615	**123**	119	115	+657	-0,15	0,02	41	107	104	100	117	112	102	114	116	x	x	x	x
24	**Jakarta**	BB	A2A2	561423	**123**	124	112	+497	0,01	-0,03	36	99	110	108	105	107	107	114	113	x		x	
24	**Hangover**	BB	A2A2	243615	**122**	115	109	+286	-0,04	0,07	24	99	116	100	105	97	100	113	107	x			
25	**Glarus**	AB	A2A2	243615	**120**	110	117	+942	-0,18	-0,10	49	93	99	115	108	94	107	107	108		x	x	
25	**Highleng**	BB		432561	**120**	113	115	+839	-0,18	-0,07	44	95	100	102	100	103	105	112	108	x	x		x
26	**Huvega**	BB	A2A2		**120**	116	112	+564	0,03	-0,09	39	106	106	102	101	107	109	116	113	x			
26	**Valerian**	AB	A2A2	243615	**120**	121	113	+850	-0,15	-0,16	39	94	105	103	109	114	113	111	114		x	x	x
27	**Vintage**	AB	A2A2	234165	**118**	112	118	+703	-0,02	-0,01	52	97	94	103	99	110	104	104	103	x	x	x	x
27	**David Pp***	BB	A2A2	234165	**116**	115	109	+186	0,11	0,03	26	94	106	103	107	112	106	107	110	x			
28	**Hacker**	AB	A2A2	654123	**115**	114	102	+397	-0,21	-0,11	5	103	113	111	93	99	116	113	107	x	x	x	x
28	**Antonov**	BB	A2A2	246135	**109**	109	106	+41	0,15	0,06	20	92	102	93	115	111	111	115	117			x	

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

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

Photo: © Han Hopman

Hustler

HB No. 10/347230
LOM DE 09 55708429
Born 10.10.2020

HUSOLD — HURAY / ZIRBEL
PIERA 4/4 10092 4,83 487 3,90 394 — **VASSLI** PAULET 8/7 7920 4,20 333 3,66 290 — **ETPAT**

Milk	Fitness	Udder

Piera, dam of Hustler, 2nd lac.

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 148** 77%

MILK INDEX **MI 130** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1136	-0,03	+45	-0,01	+40

BEEF PERFORMANCE **BI 103** 61%

Daily net gain	Carcass percentage	Carcass grade
103	106	98

FUNCTIONAL TRAITS **FIT 117** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
93	110	120	115	101	105	106	105	133

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**98**								
Rump	**97**								
Feet & Legs	**102**								
Udder	**111**								
Final Score	**104**								
Muscling	106	light							heavy
Height at cross	101	small							large
Chest width	95	shallow							deep
Body depth	101	shallow							deep
Backline	89	weak							strong
Rump length	102	short							long
Rump width	97	narrow							wide
Rump angle	103	ascending							sloped
Thurl position	96	in the back							in the centre
Hock angularity	86	straight							sickled
Hock develop.	92	swollen							dry
Pasterns	109	weak							strong
Foot angle	100	low angles							steep angles
Fore udder length	107	short							long
Rear udder width	106	narrow							wide
Rear udder height	106	low							high
Susp. ligament	95	weak							strong
Udder depth	105	deep							shallow
Fore udder att.	106	loose							tight
Udder balance	97	staged							inclined
Teat length	102	short							long
Teat thickness	98	thin							thick
Teat placem. (front)	97	wide							close
Teat placem. (rear)	92	wide							close
Teat direction (rear)	97	outwards							inwards
Udder cleanness	98	add. teats							clean udder

Piaggio

HB No. 10/435522
LOM DE 08 17686474
Born 23.01.2021

PIANO — PIERO / LAS VEGAS
INKA 3/2 10810 4,18 452 3,72 403 — **HEBRON** ILSA 6/6 8924 4,04 361 3,64 325 — **HUXOY**

Milk	Fitness	Feet & legs

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 146** 70%

MILK INDEX **MI 133** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1289	-0,07	+48	-0,01	+45

BEEF PERFORMANCE **BI 89** 57%

Daily net gain	Carcass percentage	Carcass grade
92	91	88

FUNCTIONAL TRAITS **FIT 111** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	111	113	105	94	100	101	114	127

Inka, dam of Piaggio, 3rd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**98**								
Rump	**95**								
Feet & Legs	**107**								
Udder	**101**								
Final Score	**100**								
Muscling	83	light							heavy
Height at cross	106	small							large
Chest width	93	shallow							deep
Body depth	103	shallow							deep
Backline	90	weak							strong
Rump length	102	short							long
Rump width	102	narrow							wide
Rump angle	94	ascending							sloped
Thurl position	98	in the back							in the centre
Hock angularity	91	straight							sickled
Hock develop.	94	swollen							dry
Pasterns	104	weak							strong
Foot angle	102	low angles							steep angles
Fore udder length	113	short							long
Rear udder width	116	narrow							wide
Rear udder height	117	low							high
Susp. ligament	104	weak							strong
Udder depth	93	deep							shallow
Fore udder att.	97	loose							tight
Udder balance	106	staged							inclined
Teat length	107	short							long
Teat thickness	91	thin							thick
Teat placem. (front)	103	wide							close
Teat placem. (rear)	99	wide							close
Teat direction (rear)	102	outwards							inwards
Udder cleanness	93	add. teats							clean udder

genomic

Dash

HB No. 10/347200
LOM DE 09 55893708
Born 31.08.2020

aAa **165243**

DANE — CADENCE / ALIBABA DAVO
HONDA 5/4 12472 4,15 518 3,71 463 — **JOSCHKA** HILTON 6/6 10965 3,94 432 3,68 404 — **PREJULA**

Milk **Fitness** **Foreudder**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 145** 75%

MILK INDEX **MI 129** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1192	-0,11	+40	-0,01	+42

BEEF PERFORMANCE **BI 97** 63%

Daily net gain	Carcass percentage	Carcass grade
98	98	96

FUNCTIONAL TRAITS **FIT 114** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
93	116	116	108	106	105	98	115	131

Honda, dam of Dash, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Rump	**95**		
Feet & Legs	**107**		
Udder	**108**		
Final Score	**106**		
Muscling	103	light	heavy
Height at cross	104	small	large
Chest width	100	shallow	deep
Body depth	109	shallow	deep
Backline	96	weak	strong
Rump length	92	short	long
Rump width	100	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	94	in the back	in the centre
Hock angularity	90	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	99	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	115	short	long
Rear udder width	115	narrow	wide
Rear udder height	100	low	high
Susp. ligament	99	weak	strong
Udder depth	95	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	107	staged	inclined
Teat length	102	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Vassos

HB No. 10/346505
LOM DE 09 55692766
Born 26.01.2021

AG VASSRI — VASSLI / RIKI
85437 4/3 10462 3,81 399 3,64 381 — **GS HUXOY** 676 4/4 10101 4,53 458 3,86 390 — **HARLEY**

Milk **Fitness** **Rump**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 145** 70%

MILK INDEX **MI 127** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1333	-0,24	+34	-0,08	+41

BEEF PERFORMANCE **BI 95** 57%

Daily net gain	Carcass percentage	Carcass grade
98	92	94

FUNCTIONAL TRAITS **FIT 120** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	109	116	112	112	99	111	119	132

766, dam of Vassos

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Rump	**107**		
Feet & Legs	**105**		
Udder	**104**		
Final Score	**104**		
Muscling	99	light	heavy
Height at cross	100	small	large
Chest width	101	shallow	deep
Body depth	103	shallow	deep
Backline	99	weak	strong
Rump length	104	short	long
Rump width	97	narrow	wide
Rump angle	103	ascending	sloped
Thurl position	106	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	103	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	101	short	long
Rear udder width	106	narrow	wide
Rear udder height	105	low	high
Susp. ligament	98	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	91	staged	inclined
Teat length	102	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	93	wide	close
Teat placem. (rear)	87	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	100	add. teats	clean udder

genomic

genomic

Arnimo

HB No. 10/435509
LOM DE 08 17725700
Born 25.07.2020

AJAX — AMOR / BÄRCHEN
ULRIKE 305 10589 4,25 425 3,76 398 — SEASIDEBLOOM / USCHI — VERDI
4/3 8974 3,90 350 3,92 352

Milk	Fitness	Persistence

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 144** 70%

MILK INDEX **MI 132** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1196	-0,05	+46	+0,00	+43

BEEF PERFORMANCE **BI 96** 60%

Daily net gain	Carcass percentage	Carcass grade
98	91	98

FUNCTIONAL TRAITS **FIT 111** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	113	123	107	96	99	96	106	127

Ulrike, dam of Arnimo

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Rump	**98**		
Feet & Legs	**98**		
Udder	**103**		
Final Score	**102**		
Muscling	85	light	heavy
Height at cross	103	small	large
Chest width	97	shallow	deep
Body depth	100	shallow	deep
Backline	103	weak	strong
Rump length	96	short	long
Rump width	94	narrow	wide
Rump angle	108	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	93	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	99	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	111	narrow	wide
Rear udder height	104	low	high
Susp. ligament	101	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	92	staged	inclined
Teat length	105	short	long
Teat thickness	108	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Chagall

HB No. 10/435508
LOM DE 08 17630330
Born 29.06.2020

aAa **645213**

CANYON — CADURA / LIESE
BJALLA 5308 3,69 196 3,24 172 — SEASIDEBLOOM / BRITT — VASIR
5/5 8967 3,68 330 3,33 299

Milk	Fitness	Udder

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 144** 72%

MILK INDEX **MI 130** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1342	-0,13	+45	-0,10	+39

BEEF PERFORMANCE **BI 106** 65%

Daily net gain	Carcass percentage	Carcass grade
108	98	104

FUNCTIONAL TRAITS **FIT 114** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	105	116	117	108	101	105	100	135

Bjalla, dam of Chagall

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**97**		
Rump	**98**		
Feet & Legs	**108**		
Udder	**118**		
Final Score	**110**		
Muscling	91	light	heavy
Height at cross	102	small	large
Chest width	93	shallow	deep
Body depth	99	shallow	deep
Backline	87	weak	strong
Rump length	96	short	long
Rump width	80	narrow	wide
Rump angle	104	ascending	sloped
Thurl position	110	in the back	in the centre
Hock angularity	89	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	108	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	118	short	long
Rear udder width	119	narrow	wide
Rear udder height	115	low	high
Susp. ligament	101	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	110	staged	inclined
Teat length	97	short	long
Teat thickness	115	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	104	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Pasadena

HB No. 10/346465
LOM DE 09 55692411
Born 15.11.2020

aAa **516342**

PIANO — PIERO / LASVEGA

RHORIO 4/3 13008 3,79 494 3,56 463 — **DARIO** RHOTUVA 6/6 11092 4,43 492 3,62 401 — **VASIR**

Milk	Fitness	Udder

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 143** 70%

MILK INDEX **MI 130** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1444	-0,21	+42	-0,12	+41

BEEF PERFORMANCE **BI 97** 57%

Daily net gain	Carcass percentage	Carcass grade
100	93	97

FUNCTIONAL TRAITS **FIT 113** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	111	109	109	95	100	104	112	126

Rhorio, dam of Pasadena

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Rump	**104**		
Feet & Legs	**108**		
Udder	**112**		
Final Score	**110**		
Muscling	87	light	heavy
Height at cross	109	small	large
Chest width	99	shallow	deep
Body depth	108	shallow	deep
Backline	92	weak	strong
Rump length	109	short	long
Rump width	102	narrow	wide
Rump angle	88	ascending	sloped
Thurl position	98	in the back	in the centre
Hock angularity	93	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	109	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	115	short	long
Rear udder width	115	narrow	wide
Rear udder height	110	low	high
Susp. ligament	108	weak	strong
Udder depth	100	deep	shallow
Fore udder att.	102	loose	tight
Udder balance	110	staged	inclined
Teat length	100	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	116	wide	close
Teat direction (rear)	114	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Nathan

HB No. 10/435514
LOM DE 08 17569961
Born 10.11.2020

aAa **654123**

NATUREL — AMOR / LISBONNE

ELISA 2/1 9575 4,22 404 3,39 325 — **VASSLI** MARA 5/5 9854 3,96 390 3,47 342 — **HURAY**

Milk	Fitness	Type

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 143** 70%

MILK INDEX **MI 129** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1281	-0,06	+49	-0,12	+36

BEEF PERFORMANCE **BI 108** 61%

Daily net gain	Carcass percentage	Carcass grade
108	102	103

FUNCTIONAL TRAITS **FIT 112** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	106	116	110	92	100	99	117	132

Elisa, dam of Nathan

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**116**		
Rump	**109**		
Feet & Legs	**102**		
Udder	**114**		
Final Score	**115**		
Muscling	91	light	heavy
Height at cross	120	small	large
Chest width	106	shallow	deep
Body depth	111	shallow	deep
Backline	100	weak	strong
Rump length	112	short	long
Rump width	116	narrow	wide
Rump angle	101	ascending	sloped
Thurl position	96	in the back	in the centre
Hock angularity	101	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	103	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	106	short	long
Rear udder width	110	narrow	wide
Rear udder height	108	low	high
Susp. ligament	105	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	105	staged	inclined
Teat length	94	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	96	add. teats	clean udder

Portland

HB No. 10/435512
LOM DE 08 17630353
Born 04.10.2020

aAa **462531**

PIANO — PIERO / LAS VEGAS
BJALLA 5308 3,69 196 3,24 172 — **SEASIDEBLOOM** BRITT 5/5 8967 3,68 330 3,33 299 — **VASIR**

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

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 143** 71%

MILK INDEX **MI 129** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1644	-0,30	+41	-0,21	+40

BEEF PERFORMANCE **BI 96** 63%

Daily net gain	Carcass percentage	Carcass grade
98	92	97

FUNCTIONAL TRAITS **FIT 113** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	111	120	113	92	105	97	106	132

Bjalla, dam of Portland

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Rump	**97**		
Feet & Legs	**106**		
Udder	**117**		
Final Score	**112**		
Muscling	86	light	heavy
Height at cross	111	small	large
Chest width	99	shallow	deep
Body depth	102	shallow	deep
Backline	93	weak	strong
Rump length	106	short	long
Rump width	95	narrow	wide
Rump angle	87	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	86	straight	sickled
Hock develop.	89	swollen	dry
Pasterns	108	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	114	short	long
Rear udder width	121	narrow	wide
Rear udder height	111	low	high
Susp. ligament	108	weak	strong
Udder depth	103	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	105	staged	inclined
Teat length	89	short	long
Teat thickness	107	thin	thick
Teat placem. (front)	115	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Vodka

HB No. 10/347250
LOM DE 09 55057773
Born 01.11.2020

AG VASSRI — VASSLI / RIKI
MONA 10/10 10518 4,16 438 3,65 384 — **ETPAT** MIA 3/3 11829 3,64 430 3,50 414 — **NOFAK**

Milk | **Fitness** | **Feet & legs**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 143** 72%

MILK INDEX **MI 127** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1130	-0,10	+39	-0,06	+36

BEEF PERFORMANCE **BI 93** 58%

Daily net gain	Carcass percentage	Carcass grade
96	94	89

FUNCTIONAL TRAITS **FIT 117** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	109	112	107	104	110	111	115	130

Maika, half-sister of Vodka, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Rump	**98**		
Feet & Legs	**107**		
Udder	**105**		
Final Score	**103**		
Muscling	85	light	heavy
Height at cross	111	small	large
Chest width	96	shallow	deep
Body depth	100	shallow	deep
Backline	102	weak	strong
Rump length	104	short	long
Rump width	90	narrow	wide
Rump angle	96	ascending	sloped
Thurl position	106	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	106	weak	strong
Foot angle	98	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	104	narrow	wide
Rear udder height	107	low	high
Susp. ligament	93	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	101	loose	tight
Udder balance	113	staged	inclined
Teat length	100	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	93	wide	close
Teat placem. (rear)	94	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	103	add. teats	clean udder

genomic

Vargas

HB No. 10/347010
LOM DE 09 55232503
Born 29.02.2020

aAa **612543**

GS VORAUS — VINTAGE / TANJA
1527 2/1 8143 4,64 378 3,66 298 — **VASSLI** 1370 3/3 10192 4,10 418 3,80 387 — **AG HEBRON**

Milk | **Cow family** | **Fitness**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 142** 73%

MILK INDEX **MI 129** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1289	-0,16	+39	-0,06	+41

BEEF PERFORMANCE **BI 92** 59%

Daily net gain	Carcass percentage	Carcass grade
93	95	97

FUNCTIONAL TRAITS **FIT 114** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	111	108	105	102	104	108	111	131

1527, dam of Vargas, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Rump	**106**		
Feet & Legs	**111**		
Udder	**111**		
Final Score	**113**		
Muscling	103	light	heavy
Height at cross	109	small	large
Chest width	100	shallow	deep
Body depth	105	shallow	deep
Backline	100	weak	strong
Rump length	106	short	long
Rump width	109	narrow	wide
Rump angle	105	ascending	sloped
Thurl position	106	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	111	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	102	short	long
Rear udder width	93	narrow	wide
Rear udder height	104	low	high
Susp. ligament	105	weak	strong
Udder depth	111	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	106	staged	inclined
Teat length	97	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	98	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	89	add. teats	clean udder

Vassri

HB No. 10/346630
LOM DE 09 54021491
Born 04.09.2018

aAa **561423**

VASSLI — VASIR / BOUNTY
RIKI 6/5 10920 4,62 505 4,03 441 — **AG VANPARI** RIKA 6/6 10194 4,13 421 3,90 398 — **JULENG**

Milk | **Fitness** | **Vitality**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 142** 79%

MILK INDEX **MI 128** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1230	-0,06	+46	-0,11	+35

BEEF PERFORMANCE **BI 97** 82%

Daily net gain	Carcass percentage	Carcass grade
102	92	93

FUNCTIONAL TRAITS **FIT 112** 83%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	107	109	102	104	107	110	113	128

Riki, dam of Vassri, 3rd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Rump	**103**		
Feet & Legs	**103**		
Udder	**104**		
Final Score	**106**		
Muscling	95	light	heavy
Height at cross	111	small	large
Chest width	104	shallow	deep
Body depth	110	shallow	deep
Backline	98	weak	strong
Rump length	109	short	long
Rump width	102	narrow	wide
Rump angle	91	ascending	sloped
Thurl position	103	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	101	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	106	short	long
Rear udder width	104	narrow	wide
Rear udder height	102	low	high
Susp. ligament	102	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	103	staged	inclined
Teat length	101	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	96	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	102	add. teats	clean udder

genomic

genomic

Amarula

HB No. 10/356925
LOM AT 96 5092 369
Born 19.02.2020

aAa **156324**

AMORIE — AMOR / IRMA
KORA 2/1 9867 4,20 415 3,87 382 — **CADENCE** KORA 5/4 9102 4,19 381 3,76 343 — **VASIR**

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

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 142** 74%

MILK INDEX **MI 125** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+687	+0,14	+41	+0,05	+29

BEEF PERFORMANCE **BI 101** 60%

Daily net gain	Carcass percentage	Carcass grade
104	100	96

FUNCTIONAL TRAITS **FIT 119** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	108	112	114	103	102	113	110	130

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**106**								
Rump	**103**								
Feet & Legs	**107**								
Udder	**110**								
Final Score	**108**								
Muscling	104	light							heavy
Height at cross	100	small							large
Chest width	103	shallow							deep
Body depth	109	shallow							deep
Backline	96	weak							strong
Rump length	96	short							long
Rump width	117	narrow							wide
Rump angle	95	ascending							sloped
Thurl position	99	in the back							in the centre
Hock angularity	103	straight							sickled
Hock develop.	102	swollen							dry
Pasterns	99	weak							strong
Foot angle	111	low angles							steep angles
Fore udder length	110	short							long
Rear udder width	117	narrow							wide
Rear udder height	97	low							high
Susp. ligament	102	weak							strong
Udder depth	97	deep							shallow
Fore udder att.	102	loose							tight
Udder balance	89	staged							inclined
Teat length	96	short							long
Teat thickness	82	thin							thick
Teat placem. (front)	107	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	106	outwards							inwards
Udder cleanness	104	add. teats							clean udder

Volkwein

HB No. 10/435516
LOM DE 08 17577746
Born 04.09.2020

aAa **432561**

VOLKER — VASSLI / BEATRICE
HURAY 7/6 12002 3,78 454 3,53 424 — **PACOS** 3/3 7658 4,27 327 3,70 284

Milk | **Type** | **Milking speed**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 141** 73%

MILK INDEX **MI 129** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1218	-0,04	+47	-0,09	+36

BEEF PERFORMANCE **BI 101** 63%

Daily net gain	Carcass percentage	Carcass grade
103	95	99

FUNCTIONAL TRAITS **FIT 110** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
120	103	112	116	103	96	98	110	130

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**107**								
Rump	**103**								
Feet & Legs	**108**								
Udder	**112**								
Final Score	**112**								
Muscling	112	light							heavy
Height at cross	95	small							large
Chest width	111	shallow							deep
Body depth	113	shallow							deep
Backline	93	weak							strong
Rump length	109	short							long
Rump width	113	narrow							wide
Rump angle	94	ascending							sloped
Thurl position	101	in the back							in the centre
Hock angularity	101	straight							sickled
Hock develop.	97	swollen							dry
Pasterns	109	weak							strong
Foot angle	107	low angles							steep angles
Fore udder length	116	short							long
Rear udder width	108	narrow							wide
Rear udder height	103	low							high
Susp. ligament	112	weak							strong
Udder depth	98	deep							shallow
Fore udder att.	107	loose							tight
Udder balance	117	staged							inclined
Teat length	115	short							long
Teat thickness	95	thin							thick
Teat placem. (front)	106	wide							close
Teat placem. (rear)	95	wide							close
Teat direction (rear)	88	outwards							inwards
Udder cleanness	99	add. teats							clean udder

Sepp Pp*

HB No. 10/347190
LOM DE 09 55878640
Born 25.07.2020

aAa **246315**

AG SIDENCE — GS SINATRA 1314
ELSIKA Pp* 1/1 7684 4,31 331 4,06 312 — **AG HERCULES** ELSIRA 5/5 8225 4,47 368 4,04 332 — **EMSLAND PS**

Milk | **Fitness** | **Thurl**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 141** 70%

MILK INDEX **MI 127** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1247	-0,16	+38	-0,10	+36

BEEF PERFORMANCE **BI 91** 54%

Daily net gain	Carcass percentage	Carcass grade
93	96	90

FUNCTIONAL TRAITS **FIT 116** 71%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	108	117	116	108	97	107	102	125

LINEAR DESCRIPTION

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**102**			
Rump	**104**			
Feet & Legs	**105**			
Udder	**104**			
Final Score	**104**			
Muscling	92	light		heavy
Height at cross	99	small		large
Chest width	96	shallow		deep
Body depth	99	shallow		deep
Backline	110	weak		strong
Rump length	100	short		long
Rump width	88	narrow		wide
Rump angle	107	ascending		sloped
Thurl position	112	in the back		in the centre
Hock angularity	97	straight		sickled
Hock develop.	102	swollen		dry
Pasterns	97	weak		strong
Foot angle	100	low angles		steep angles
Fore udder length	105	short		long
Rear udder width	110	narrow		wide
Rear udder height	107	low		high
Susp. ligament	99	weak		strong
Udder depth	99	deep		shallow
Fore udder att.	101	loose		tight
Udder balance	90	staged		inclined
Teat length	82	short		long
Teat thickness	87	thin		thick
Teat placem. (front)	98	wide		close
Teat placem. (rear)	93	wide		close
Teat direction (rear)	103	outwards		inwards
Udder cleanness	100	add. teats		clean udder

Västeras

HB No. 10/347150
LOM DE 09 56224252
Born 18.09.2020

aAa **243615**

AG VASELINO — VASSLI 1304
1561 2/1 8929 4,26 380 4,11 367 — **AG VERDI** 1318 4/4 10142 3,95 400 3,65 371 — **GS HIMALAYA**

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

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 141** 71%

MILK INDEX **MI 123** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+665	+0,12	+38	+0,03	+27

BEEF PERFORMANCE **BI 93** 58%

Daily net gain	Carcass percentage	Carcass grade
95	94	94

FUNCTIONAL TRAITS **FIT 121** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	113	122	120	98	104	105	105	133

Dam of Västeras, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**102**			
Rump	**108**			
Feet & Legs	**106**			
Udder	**119**			
Final Score	**112**			
Muscling	112	light		heavy
Height at cross	102	small		large
Chest width	100	shallow		deep
Body depth	99	shallow		deep
Backline	95	weak		strong
Rump length	102	short		long
Rump width	105	narrow		wide
Rump angle	94	ascending		sloped
Thurl position	105	in the back		in the centre
Hock angularity	88	straight		sickled
Hock develop.	95	swollen		dry
Pasterns	112	weak		strong
Foot angle	101	low angles		steep angles
Fore udder length	102	short		long
Rear udder width	107	narrow		wide
Rear udder height	112	low		high
Susp. ligament	108	weak		strong
Udder depth	112	deep		shallow
Fore udder att.	113	loose		tight
Udder balance	112	staged		inclined
Teat length	97	short		long
Teat thickness	92	thin		thick
Teat placem. (front)	95	wide		close
Teat placem. (rear)	102	wide		close
Teat direction (rear)	110	outwards		inwards
Udder cleanness	105	add. teats		clean udder

genomic

genomic

Boxer Pp*

HB No. 10/435524
LOM DE 08 17726217
Born 05.03.2021

BISON — BISTO / RAFAELA
ISARIA Pp* 6038 5,02 303 3,56 215 — **VIPRO Pp*** ISAR 4/4 8836 4,48 396 3,80 336 — **HUVI**

Milk	Components	Type

A2A2
AB

genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 140** 69%

MILK INDEX **MI 130** 78%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+946	+0,06	+45	+0,06	+39

BEEF PERFORMANCE **BI 92** 56%

Daily net gain	Carcass percentage	Carcass grade
97	95	84

FUNCTIONAL TRAITS **FIT 109** 71%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	104	112	107	104	104	104	100	128

Isaria Pp, dam of Boxer Pp, 1st lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Rump	**106**		
Feet & Legs	**107**		
Udder	**112**		
Final Score	**112**		
Muscling	88	light	heavy
Height at cross	115	small	large
Chest width	97	shallow	deep
Body depth	110	shallow	deep
Backline	98	weak	strong
Rump length	113	short	long
Rump width	107	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	110	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	109	narrow	wide
Rear udder height	109	low	high
Susp. ligament	107	weak	strong
Udder depth	111	deep	shallow
Fore udder att.	108	loose	tight
Udder balance	103	staged	inclined
Teat length	98	short	long
Teat thickness	106	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Caravaggio

HB No. 10/435519
LOM DE 08 17630359
Born 28.11.2020

CANYON — CADURA / LIESE
BJALLA 5308 3,69 196 3,24 172 — **SEASIDEBLOOM** BRITT 5/5 8967 3,68 330 3,33 299 — **VASIR**

Milk	Fitness	Udder

A2A2
BB

genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 140** 72%

MILK INDEX **MI 122** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1203	-0,30	+24	-0,09	+36

BEEF PERFORMANCE **BI 106** 65%

Daily net gain	Carcass percentage	Carcass grade
107	100	103

FUNCTIONAL TRAITS **FIT 120** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	109	109	117	97	108	113	108	133

Bjalla, dam of Caravaggio

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Rump	**98**		
Feet & Legs	**108**		
Udder	**118**		
Final Score	**110**		
Muscling	91	light	heavy
Height at cross	106	small	large
Chest width	99	shallow	deep
Body depth	101	shallow	deep
Backline	86	weak	strong
Rump length	101	short	long
Rump width	94	narrow	wide
Rump angle	96	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	101	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	113	short	long
Rear udder width	111	narrow	wide
Rear udder height	112	low	high
Susp. ligament	102	weak	strong
Udder depth	110	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	103	staged	inclined
Teat length	96	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	104	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Axa

HB No. 10/435496
LOM DE 05 41167489
Born 13.02.2020

AJAX — AMOR BÄRCHEN
NOEMI 2/1 8905 3,85 3,62 665 — **BISTO** NASHVILLE 4/4 8931 4,94 441 3,75 335 — **VERDI**

Milk	Fitness	Components

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 139** 70%

MILK INDEX **MI 128** 79%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+727	+0,20	+48	+0,08	+33

BEEF PERFORMANCE **BI 90** 62%

Daily net gain	Carcass percentage	Carcass grade
89	97	91

FUNCTIONAL TRAITS **FIT 112** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	108	112	109	99	99	104	109	124

Nastja, great gradnddam of Axa

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**102**		
Rump	**105**		
Feet & Legs	**108**		
Udder	**106**		
Final Score	**107**		
Muscling	86	light	heavy
Height at cross	101	small	large
Chest width	96	shallow	deep
Body depth	105	shallow	deep
Backline	106	weak	strong
Rump length	102	short	long
Rump width	104	narrow	wide
Rump angle	102	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	83	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	107	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	109	narrow	wide
Rear udder height	108	low	high
Susp. ligament	107	weak	strong
Udder depth	96	deep	shallow
Fore udder att.	97	loose	tight
Udder balance	97	staged	inclined
Teat length	100	short	long
Teat thickness	85	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Nabucco

HB No. 10/435520
LOM DE 08 17758081
Born 07.11.2020

NATUREL — AMOR LISBONNE
ELISA 2/1 9575 4,22 404 3,39 325 — **VASSLI** MARA 5/5 9854 3,96 390 3,47 342 — **HURAY**

Milk	Fitness	Type

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 139** 70%

MILK INDEX **MI 127** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1273	-0,10	+44	-0,15	+32

BEEF PERFORMANCE **BI 98** 56%

Daily net gain	Carcass percentage	Carcass grade
101	93	97

FUNCTIONAL TRAITS **FIT 112** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	113	121	108	96	97	99	105	127

Elisa, dam of Nabucco

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**111**		
Rump	**106**		
Feet & Legs	**105**		
Udder	**112**		
Final Score	**112**		
Muscling	85	light	heavy
Height at cross	115	small	large
Chest width	99	shallow	deep
Body depth	103	shallow	deep
Backline	104	weak	strong
Rump length	107	short	long
Rump width	105	narrow	wide
Rump angle	104	ascending	sloped
Thurl position	101	in the back	in the centre
Hock angularity	100	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	103	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	110	short	long
Rear udder width	102	narrow	wide
Rear udder height	107	low	high
Susp. ligament	101	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	97	loose	tight
Udder balance	106	staged	inclined
Teat length	97	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	99	add. teats	clean udder

genomic

genomic

Vindiesel

HB No. 10/347080
LOM DE 09 55548367
Born 05.04.2020

aAa **246315**

VALID — VASSLI ANABELL
RIANE 3/2 10192 4,03 411 3,66 374 — **DANE** GERDI 3/3 9854 4,31 425 3,67 362 — **AG VOICE**

Milk	Type	Fitness

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 139** 70%

MILK INDEX **MI 123** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+892	-0,03	+35	-0,02	+31

BEEF PERFORMANCE **BI 110** 57%

Daily net gain	Carcass percentage	Carcass grade
113	98	103

FUNCTIONAL TRAITS **FIT 117** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	115	110	110	106	107	109	100	130

Riane, dam of Vindiesel, 3rd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**119**		
Rump	**109**		
Feet & Legs	**113**		
Udder	**114**		
Final Score	**119**		
Muscling	98	light	heavy
Height at cross	123	small	large
Chest width	111	shallow	deep
Body depth	113	shallow	deep
Backline	101	weak	strong
Rump length	114	short	long
Rump width	116	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	97	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	109	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	111	narrow	wide
Rear udder height	100	low	high
Susp. ligament	105	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	97	staged	inclined
Teat length	106	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	115	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	90	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Vance

HB No. 10/435499
LOM DE 08 17712795
Born 20.06.2020

aAa **516432**

VOLKER — VASSLI BEATRICE
HELLE 2/2 7515 4,22 318 3,35 252 — **AURANTO** HEIDI 5/5 8796 3,74 329 3,41 300 — **EASTON**

Milk	Butterfat	Udder

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 138** 74%

MILK INDEX **MI 128** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+971	+0,11	+51	-0,05	+31

BEEF PERFORMANCE **BI 104** 66%

Daily net gain	Carcass percentage	Carcass grade
107	97	97

FUNCTIONAL TRAITS **FIT 108** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	108	114	108	110	92	96	111	127

Helle, dam of Vance, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**114**		
Rump	**101**		
Feet & Legs	**102**		
Udder	**117**		
Final Score	**115**		
Muscling	106	light	heavy
Height at cross	99	small	large
Chest width	117	shallow	deep
Body depth	120	shallow	deep
Backline	91	weak	strong
Rump length	112	short	long
Rump width	108	narrow	wide
Rump angle	86	ascending	sloped
Thurl position	101	in the back	in the centre
Hock angularity	104	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	105	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	119	short	long
Rear udder width	115	narrow	wide
Rear udder height	106	low	high
Susp. ligament	115	weak	strong
Udder depth	100	deep	shallow
Fore udder att.	118	loose	tight
Udder balance	113	staged	inclined
Teat length	111	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Piccard

HB No. 10/435510
LOM DE 08 17671356
Born 04.08.2020

aAa **156423**

PIANO — PIERO / LAS VEGAS
HEIKE 4/3 8995 4,65 419 3,97 357 — **HUVI** HILLERY 9/9 9878 3,97 392 3,73 368 — **HURAY**

Capacity	Butterfat	Fitness

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 137** 70%

MILK INDEX **MI 125** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+777	+0,15	+45	+0,00	+28

BEEF PERFORMANCE **BI 93** 59%

Daily net gain	Carcass percentage	Carcass grade
96	91	92

FUNCTIONAL TRAITS **FIT 111** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
95	106	107	106	99	111	105	110	123

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Rump	**106**		
Feet & Legs	**105**		
Udder	**111**		
Final Score	**109**		
Muscling	87	light	heavy
Height at cross	112	small	large
Chest width	100	shallow	deep
Body depth	109	shallow	deep
Backline	93	weak	strong
Rump length	114	short	long
Rump width	105	narrow	wide
Rump angle	99	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	100	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	112	short	long
Rear udder width	115	narrow	wide
Rear udder height	111	low	high
Susp. ligament	100	weak	strong
Udder depth	109	deep	shallow
Fore udder att.	108	loose	tight
Udder balance	109	staged	inclined
Teat length	91	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Vento

HB No. 10/346475
LOM DE 09 55549294
Born 02.01.2021

aAa **261435**

VASSIDO — VASSLI / LANA
KARIN 4/4 9368 4,28 401 3,66 343 — **VINTAGE** KARIN 5/4 8018 4,20 336 3,68 295 — **HURAY**

Type	Fitness	Capacity

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 137** 70%

MILK INDEX **MI 123** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+830	+0,01	+36	-0,01	+29

BEEF PERFORMANCE **BI 93** 57%

Daily net gain	Carcass percentage	Carcass grade
94	94	96

FUNCTIONAL TRAITS **FIT 116** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	114	105	117	104	101	105	105	129

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Rump	**108**		
Feet & Legs	**111**		
Udder	**111**		
Final Score	**112**		
Muscling	109	light	heavy
Height at cross	105	small	large
Chest width	109	shallow	deep
Body depth	108	shallow	deep
Backline	102	weak	strong
Rump length	116	short	long
Rump width	111	narrow	wide
Rump angle	96	ascending	sloped
Thurl position	104	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	113	weak	strong
Foot angle	116	low angles	steep angles
Fore udder length	103	short	long
Rear udder width	96	narrow	wide
Rear udder height	110	low	high
Susp. ligament	103	weak	strong
Udder depth	113	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	103	staged	inclined
Teat length	97	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	88	wide	close
Teat placem. (rear)	92	wide	close
Teat direction (rear)	93	outwards	inwards
Udder cleanness	97	add. teats	clean udder

genomic

Veles Pp*

HB No. 10/346640
LOM DE 09 54182706
Born 20.10.2018

aAa **423651**

VIDAL P*S — AG VIPER Pp* / PAULI
1413 2/2 12634 4,14 523 3,49 442 — **AG VOBIS** MONICE 9/9 11455 4,15 476 3,55 407 — **JUPAZ**

Longevity	Fitness	Type
		A1A2
		AB

genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 137** 74%

MILK INDEX **MI 122** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+722	+0,01	+31	+0,04	+29

BEEF PERFORMANCE **BI 96** 74%

Daily net gain	Carcass percentage	Carcass grade
100	97	92

FUNCTIONAL TRAITS **FIT 115** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
85	103	97	119	99	109	107	118	126

1413, dam of Veles Pp

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**112**								
Rump	**105**								
Feet & Legs	**112**								
Udder	**109**								
Final Score	**115**								
Muscling	94	light							heavy
Height at cross	112	small							large
Chest width	104	shallow							deep
Body depth	107	shallow							deep
Backline	103	weak							strong
Rump length	112	short							long
Rump width	107	narrow							wide
Rump angle	95	ascending							sloped
Thurl position	92	in the back							in the centre
Hock angularity	99	straight							sickled
Hock develop.	113	swollen							dry
Pasterns	108	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	109	short							long
Rear udder width	106	narrow							wide
Rear udder height	108	low							high
Susp. ligament	101	weak							strong
Udder depth	105	deep							shallow
Fore udder att.	106	loose							tight
Udder balance	103	staged							inclined
Teat length	95	short							long
Teat thickness	105	thin							thick
Teat placem. (front)	107	wide							close
Teat placem. (rear)	116	wide							close
Teat direction (rear)	114	outwards							inwards
Udder cleanness	99	add. teats							clean udder

Vaskur

HB No. 10/356980
LOM DE 09 56459968
Born 19.01.2021

aAa **426351**

VASSIDO — VASSLI / LANA
WILMA 4/3 9764 4,07 397 3,89 380 — **GLARUS** WANDI 6/6 9495 4,01 380 3,74 356 — **PROHUVO**

Type	Fitness	Components
		A2A2
		AA

genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 137** 70%

MILK INDEX **MI 120** 79%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+651	+0,04	+31	+0,03	+26

BEEF PERFORMANCE **BI 101** 56%

Daily net gain	Carcass percentage	Carcass grade
102	99	100

FUNCTIONAL TRAITS **FIT 119** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	110	97	115	112	111	116	110	132

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**115**								
Rump	**111**								
Feet & Legs	**104**								
Udder	**119**								
Final Score	**117**								
Muscling	109	light							heavy
Height at cross	110	small							large
Chest width	111	shallow							deep
Body depth	115	shallow							deep
Backline	104	weak							strong
Rump length	119	short							long
Rump width	115	narrow							wide
Rump angle	91	ascending							sloped
Thurl position	105	in the back							in the centre
Hock angularity	99	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	105	weak							strong
Foot angle	100	low angles							steep angles
Fore udder length	103	short							long
Rear udder width	106	narrow							wide
Rear udder height	109	low							high
Susp. ligament	111	weak							strong
Udder depth	110	deep							shallow
Fore udder att.	117	loose							tight
Udder balance	107	staged							inclined
Teat length	99	short							long
Teat thickness	99	thin							thick
Teat placem. (front)	99	wide							close
Teat placem. (rear)	112	wide							close
Teat direction (rear)	107	outwards							inwards
Udder cleanness	104	add. teats							clean udder

Bernado

HB No. 10/346495
LOM DE 09 55872197
Born 17.01.2021

BLOOMLORD — BLOOMING 15343
GINI 3/3 11468 4,27 490 3,53 405 — **DANE** GINA 7/6 9064 4,27 387 3,59 326 — **HURAY**

Milk	Type	Persistency

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 136** 69%

MILK INDEX **MI 127** 79%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1165	-0,14	+36	-0,05	+38

BEEF PERFORMANCE **BI 96** 55%

Daily net gain	Carcass percentage	Carcass grade
100	93	91

FUNCTIONAL TRAITS **FIT 106** 71%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	104	113	104	97	102	98	108	123

Gini, dam of Bernado, 3rd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**117**		
Rump	**106**		
Feet & Legs	**104**		
Udder	**117**		
Final Score	**117**		
Muscling	101	light	heavy
Height at cross	114	small	large
Chest width	107	shallow	deep
Body depth	116	shallow	deep
Backline	111	weak	strong
Rump length	111	short	long
Rump width	112	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	96	in the back	in the centre
Hock angularity	99	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	102	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	116	short	long
Rear udder width	109	narrow	wide
Rear udder height	105	low	high
Susp. ligament	108	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	111	loose	tight
Udder balance	106	staged	inclined
Teat length	95	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	119	wide	close
Teat direction (rear)	114	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Volantis

HB No. 10/356955
LOM DE 09 55552093
Born 24.02.2020

GS VORSPRUNG — VASSLI TOSCANA
HIMIKO 1/1 8719 4,32 377 3,70 323 — **AMOR** HAVANNA 3/3 8787 4,49 395 3,78 332 — **GS HUXOY**

Milk	Fitness	Feet & legs

A2A2
BB
genomic

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

MILK INDEX **MI 124** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1135	-0,07	+41	-0,15	+28

BEEF PERFORMANCE **BI 92** 59%

Daily net gain	Carcass percentage	Carcass grade
95	90	92

FUNCTIONAL TRAITS **FIT 114** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	118	117	113	99	104	99	92	129

Himiko, dam of Volantis

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Rump	**99**		
Feet & Legs	**111**		
Udder	**116**		
Final Score	**112**		
Muscling	105	light	heavy
Height at cross	105	small	large
Chest width	99	shallow	deep
Body depth	108	shallow	deep
Backline	100	weak	strong
Rump length	99	short	long
Rump width	96	narrow	wide
Rump angle	96	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	108	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	96	short	long
Rear udder width	98	narrow	wide
Rear udder height	112	low	high
Susp. ligament	98	weak	strong
Udder depth	117	deep	shallow
Fore udder att.	112	loose	tight
Udder balance	104	staged	inclined
Teat length	102	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	95	wide	close
Teat placem. (rear)	89	wide	close
Teat direction (rear)	92	outwards	inwards
Udder cleanness	99	add. teats	clean udder

genomic

Finale

HB No. 10/346820
LOM DE 09 55047405
Born 28.07.2019

aAa **516432**

FIGARO — FIGO / NORIS
HELENE 3/2 8388 4,31 362 3,69 310 — **ANIBAL** VIOLA 4/4 10540 3,91 412 3,62 382 — **HACKER**

Milk **Fitness** **Udder**

A2A2
AB
genomic

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

MILK INDEX **MI 123** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1397	-0,29	+32	-0,19	+33

BEEF PERFORMANCE **BI 100** 60%

Daily net gain	Carcass percentage	Carcass grade
104	95	93

FUNCTIONAL TRAITS **FIT 110** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	103	113	115	102	103	95	112	124

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Rump	**102**		
Feet & Legs	**108**		
Udder	**112**		
Final Score	**109**		
Muscling	87	light	heavy
Height at cross	101	small	large
Chest width	96	shallow	deep
Body depth	105	shallow	deep
Backline	105	weak	strong
Rump length	108	short	long
Rump width	88	narrow	wide
Rump angle	102	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	100	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	106	short	long
Rear udder width	109	narrow	wide
Rear udder height	110	low	high
Susp. ligament	113	weak	strong
Udder depth	98	deep	shallow
Fore udder att.	97	loose	tight
Udder balance	101	staged	inclined
Teat length	112	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Vajo

HB No. 10/347210
LOM DE 09 55893698
Born 08.08.2020

VASSIDO — VASSLI / LANA
HONDA 5/4 12472 4,15 518 3,71 463 — **JOSCHKA** HILTON 6/6 10965 3,94 432 3,68 404 — **PREJULA**

Fitness **Udder** **Longevity**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 135** 70%

MILK INDEX **MI 120** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+762	+0,02	+34	-0,04	+24

BEEF PERFORMANCE **BI 98** 60%

Daily net gain	Carcass percentage	Carcass grade
99	102	96

FUNCTIONAL TRAITS **FIT 115** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	111	112	115	108	111	100	106	130

Honda, dam of Vajo, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Rump	**97**		
Feet & Legs	**100**		
Udder	**112**		
Final Score	**108**		
Muscling	103	light	heavy
Height at cross	100	small	large
Chest width	103	shallow	deep
Body depth	107	shallow	deep
Backline	98	weak	strong
Rump length	98	short	long
Rump width	104	narrow	wide
Rump angle	90	ascending	sloped
Thurl position	92	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	96	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	107	short	long
Rear udder width	103	narrow	wide
Rear udder height	108	low	high
Susp. ligament	106	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	116	loose	tight
Udder balance	116	staged	inclined
Teat length	105	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	92	add. teats	clean udder

Cusco

HB No. 10/346450
LOM DE 09 52887601
Born 23.11.2017

aAa **615243**

AG CASTLE — CADENCE / BIRZLE
ULME 5/4 8389 4,34 364 4,03 338 — **AG VERDI** UTE 5/4 9777 3,59 351 3,56 348 — **GS HUXOY**

Milk	Fertility	Udder

A1A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 134** 76%

MILK INDEX **MI 126** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+953	-0,01	+39	+0,00	+34

BEEF PERFORMANCE **BI 100** 80%

Daily net gain	Carcass percentage	Carcass grade
102	99	96

FUNCTIONAL TRAITS **FIT 110** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	98	91	105	93	100	123	96	115

Ulme, dam of Cusco

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Rump	**101**		
Feet & Legs	**100**		
Udder	**111**		
Final Score	**107**		
Muscling	99	light	heavy
Height at cross	99	small	large
Chest width	101	shallow	deep
Body depth	102	shallow	deep
Backline	91	weak	strong
Rump length	101	short	long
Rump width	110	narrow	wide
Rump angle	99	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	104	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	103	short	long
Rear udder width	112	narrow	wide
Rear udder height	111	low	high
Susp. ligament	105	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	100	loose	tight
Udder balance	93	staged	inclined
Teat length	99	short	long
Teat thickness	115	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Vindus Pp*

HB No. 10/346730
LOM DE 09 54384357
Born 02.03.2019

VIPRO Pp* — AG VIPER Pp* / MAUSI
VRONIS 4/4 9755 3,75 366 3,51 342 — **AG POINT** VRONI 3/3 8013 3,90 313 3,72 298 — **HURAY**

Butterfat	Feet & legs	Udder

A1A2
AA
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 134** 75%

MILK INDEX **MI 125** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+818	+0,11	+44	-0,02	+28

BEEF PERFORMANCE **BI 97** 72%

Daily net gain	Carcass percentage	Carcass grade
100	96	95

FUNCTIONAL TRAITS **FIT 108** 76%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	107	103	107	86	108	101	104	127

Vronis, dam of Vindus Pp, 3. lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Rump	**99**		
Feet & Legs	**119**		
Udder	**116**		
Final Score	**112**		
Muscling	92	light	heavy
Height at cross	106	small	large
Chest width	93	shallow	deep
Body depth	105	shallow	deep
Backline	105	weak	strong
Rump length	98	short	long
Rump width	90	narrow	wide
Rump angle	108	ascending	sloped
Thurl position	103	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	115	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	107	short	long
Rear udder width	105	narrow	wide
Rear udder height	112	low	high
Susp. ligament	105	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	99	staged	inclined
Teat length	92	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	99	add. teats	clean udder

genomic

Bloomlord

HB No. 10/346135
LOM DE 09 53401451
Born 08.05.2018

aAa **243615**

BLOOMING — GLENN BEVERLY
15343 — **HURAY** 448 — **HUCOS**
7/6 9535 3,96 378 3,31 315
7/7 8757 4,03 353 3,24 284

Type	Milk	Fitness

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 134** 75%

MILK INDEX **MI 122** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1220	-0,29	+25	-0,10	+35

BEEF PERFORMANCE **BI 95** 76%

Daily net gain	Carcass percentage	Carcass grade
100	92	90

FUNCTIONAL TRAITS **FIT 111** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	103	107	114	94	104	105	101	122

LINEAR DESCRIPTION

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**115**			
Rump	**115**			
Feet & Legs	**112**			
Udder	**119**			
Final Score	**119**			
Muscling	99	light		heavy
Height at cross	112	small		large
Chest width	104	shallow		deep
Body depth	112	shallow		deep
Backline	119	weak		strong
Rump length	115	short		long
Rump width	114	narrow		wide
Rump angle	107	ascending		sloped
Thurl position	105	in the back		in the centre
Hock angularity	95	straight		sickled
Hock develop.	102	swollen		dry
Pasterns	107	weak		strong
Foot angle	110	low angles		steep angles
Fore udder length	116	short		long
Rear udder width	109	narrow		wide
Rear udder height	105	low		high
Susp. ligament	106	weak		strong
Udder depth	108	deep		shallow
Fore udder att.	107	loose		tight
Udder balance	96	staged		inclined
Teat length	92	short		long
Teat thickness	91	thin		thick
Teat placem. (front)	116	wide		close
Teat placem. (rear)	119	wide		close
Teat direction (rear)	119	outwards		inwards
Udder cleanness	104	add. teats		clean udder

Alex Pp*

HB No. 10/347270
LOM DE 09 55544082
Born 23.12.2020

AG AJAX — AMOR BAERCHE
1283 Pp* — **AG CADI** 1077 — **VASIENT Pp***
2/1 8820 4,18 369 3,87 341
6/5 11649 3,90 454 3,61 420

Components	Fitness	Persistency

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 134** 70%

MILK INDEX **MI 118** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+588	+0,01	+25	+0,05	+26

BEEF PERFORMANCE **BI 89** 57%

Daily net gain	Carcass percentage	Carcass grade
94	89	88

FUNCTIONAL TRAITS **FIT 119** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	113	121	114	91	98	104	115	127

1283, dam of Alex Pp, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**105**			
Rump	**101**			
Feet & Legs	**100**			
Udder	**105**			
Final Score	**106**			
Muscling	101	light		heavy
Height at cross	106	small		large
Chest width	105	shallow		deep
Body depth	105	shallow		deep
Backline	97	weak		strong
Rump length	107	short		long
Rump width	108	narrow		wide
Rump angle	94	ascending		sloped
Thurl position	98	in the back		in the centre
Hock angularity	92	straight		sickled
Hock develop.	88	swollen		dry
Pasterns	103	weak		strong
Foot angle	104	low angles		steep angles
Fore udder length	105	short		long
Rear udder width	100	narrow		wide
Rear udder height	103	low		high
Susp. ligament	97	weak		strong
Udder depth	101	deep		shallow
Fore udder att.	104	loose		tight
Udder balance	92	staged		inclined
Teat length	113	short		long
Teat thickness	106	thin		thick
Teat placem. (front)	102	wide		close
Teat placem. (rear)	105	wide		close
Teat direction (rear)	105	outwards		inwards
Udder cleanness	107	add. teats		clean udder

genomic

Vaselino

HB No. 10/346500
LOM DE 09 53325777
Born 01.01.2018

aAa **423516**

VASSLI — VASIR / BOUNTY
1304 4/3 10120 4,73 478 4,00 405 — **FEUERSTEIN** 1184 4/3 8998 5,08 457 3,80 342 — **AG VABENE**

Milk	Butterfat	Udder

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 133** 78%

MILK INDEX **MI 127** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+876	+0,16	+51	-0,03	+29

BEEF PERFORMANCE **BI 93** 85%

Daily net gain	Carcass percentage	Carcass grade
97	93	91

FUNCTIONAL TRAITS **FIT 102** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	110	108	103	102	103	90	104	124

1304, dam of Vaselino, 3rd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Rump	**106**		
Feet & Legs	**109**		
Udder	**114**		
Final Score	**110**		
Muscling	90	light	heavy
Height at cross	108	small	large
Chest width	99	shallow	deep
Body depth	107	shallow	deep
Backline	89	weak	strong
Rump length	110	short	long
Rump width	106	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	110	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	104	short	long
Rear udder width	104	narrow	wide
Rear udder height	109	low	high
Susp. ligament	110	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	104	staged	inclined
Teat length	99	short	long
Teat thickness	91	thin	thick
Teat placem. (front)	95	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Bison

HB No. 10/346560
LOM DE 09 54053436
Born 10.07.2018

aAa **246135**

BISTO — BIVER / FORTEAS
RAFAELA 3/3 8635 4,64 400 3,74 323 — **ANIBAL** RAPUNZE 6/6 10048 3,87 389 3,48 350 — **BLOOMING**

Type	Milk	Calving ease

A2A2
AB
genomic

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

MILK INDEX **MI 123** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+999	-0,16	+28	-0,02	+35

BEEF PERFORMANCE **BI 98** 84%

Daily net gain	Carcass percentage	Carcass grade
104	91	89

FUNCTIONAL TRAITS **FIT 107** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	101	109	115	111	99	95	109	124

Rafaela, dam of Bison

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**121**		
Rump	**108**		
Feet & Legs	**106**		
Udder	**115**		
Final Score	**120**		
Muscling	105	light	heavy
Height at cross	116	small	large
Chest width	113	shallow	deep
Body depth	120	shallow	deep
Backline	96	weak	strong
Rump length	116	short	long
Rump width	114	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	93	straight	sickled
Hock develop.	90	swollen	dry
Pasterns	109	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	116	narrow	wide
Rear udder height	102	low	high
Susp. ligament	113	weak	strong
Udder depth	107	deep	shallow
Fore udder att.	113	loose	tight
Udder balance	104	staged	inclined
Teat length	97	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	104	add. teats	clean udder

genomic

genomic

Vallejo Pp*

HB No. 10/346415
LOM DE 09 54857323
Born 24.04.2020

aAa **432561**

VALID — VASSLI / ARQUTTE
RUBI 4/4 9939 3,75 372 3,44 342 — **WACHTER Pp*** RITA 6/6 9861 4,00 394 3,64 359 — **JULENG**

Milk	Type	Longevity
	A2A2	
	BB	

genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 132** 70%

MILK INDEX **MI 123** 79%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+810	+0,01	+35	+0,01	+31

BEEF PERFORMANCE **BI 111** 58%

Daily net gain	Carcass percentage	Carcass grade
111	103	107

FUNCTIONAL TRAITS **FIT 108** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	108	110	112	98	100	98	93	126

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**115**								
Rump	**105**								
Feet & Legs	**107**								
Udder	**117**								
Final Score	**117**								
Muscling	109	light							heavy
Height at cross	115	small							large
Chest width	110	shallow							deep
Body depth	116	shallow							deep
Backline	92	weak							strong
Rump length	116	short							long
Rump width	112	narrow							wide
Rump angle	88	ascending							sloped
Thurl position	98	in the back							in the centre
Hock angularity	97	straight							sickled
Hock develop.	93	swollen							dry
Pasterns	105	weak							strong
Foot angle	111	low angles							steep angles
Fore udder length	108	short							long
Rear udder width	104	narrow							wide
Rear udder height	106	low							high
Susp. ligament	101	weak							strong
Udder depth	108	deep							shallow
Fore udder att.	112	loose							tight
Udder balance	102	staged							inclined
Teat length	98	short							long
Teat thickness	86	thin							thick
Teat placem. (front)	108	wide							close
Teat placem. (rear)	109	wide							close
Teat direction (rear)	106	outwards							inwards
Udder cleanness	104	add. teats							clean udder

Sevilla

HB No. 10/346790
LOM DE 09 55232334
Born 07.07.2019

aAa **426351**

SEASIDEBLOOM — BROOKINGS / PETUNIA
1472 2/2 8971 4,78 429 4,09 367 — **AG CADI** 1320 3/3 9721 4,66 453 3,95 384 — **GS HIMALAYA**

Milk	Milking speed	Type
		A1A2
		AB

genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 130** 77%

MILK INDEX **MI 122** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1114	-0,20	+29	-0,09	+32

BEEF PERFORMANCE **BI 95** 82%

Daily net gain	Carcass percentage	Carcass grade
96	94	99

FUNCTIONAL TRAITS **FIT 107** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
114	107	122	103	101	104	95	104	124

1472, dam of Sevilla

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**113**								
Rump	**107**								
Feet & Legs	**105**								
Udder	**112**								
Final Score	**114**								
Muscling	105	light							heavy
Height at cross	113	small							large
Chest width	106	shallow							deep
Body depth	105	shallow							deep
Backline	104	weak							strong
Rump length	105	short							long
Rump width	100	narrow							wide
Rump angle	107	ascending							sloped
Thurl position	103	in the back							in the centre
Hock angularity	89	straight							sickled
Hock develop.	95	swollen							dry
Pasterns	108	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	103	short							long
Rear udder width	107	narrow							wide
Rear udder height	113	low							high
Susp. ligament	103	weak							strong
Udder depth	102	deep							shallow
Fore udder att.	103	loose							tight
Udder balance	97	staged							inclined
Teat length	90	short							long
Teat thickness	89	thin							thick
Teat placem. (front)	99	wide							close
Teat placem. (rear)	101	wide							close
Teat direction (rear)	114	outwards							inwards
Udder cleanness	98	add. teats							clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Avadi

HB No. 10/435495
LOM DE 08 17420858
Born 23.01.2020

GF.: B2C

ALPSEE — AMOR / HOLDE
HELGA 4/3 9455 4,02 380 3,82 361 — **HERCULES** / HERTA 2/2 6624 4,61 306 4,04 268 — **HAPAT**

Fitness | **Udder** | **Feet & legs**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 130** 71%

MILK INDEX **MI 118** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+738	-0,07	+25	-0,01	+26

BEEF PERFORMANCE **BI 106** 63%

Daily net gain	Carcass percentage	Carcass grade
111	94	100

FUNCTIONAL TRAITS **FIT 111** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	108	121	114	102	98	96	101	128

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**107**								
Rump	**95**								
Feet & Legs	**112**								
Udder	**121**								
Final Score	**111**								
Muscling	96	light							heavy
Height at cross	109	small							large
Chest width	104	shallow							deep
Body depth	110	shallow							deep
Backline	104	weak							strong
Rump length	104	short							long
Rump width	96	narrow							wide
Rump angle	100	ascending							sloped
Thurl position	90	in the back							in the centre
Hock angularity	97	straight							sickled
Hock develop.	98	swollen							dry
Pasterns	108	weak							strong
Foot angle	113	low angles							steep angles
Fore udder length	108	short							long
Rear udder width	118	narrow							wide
Rear udder height	120	low							high
Susp. ligament	104	weak							strong
Udder depth	111	deep							shallow
Fore udder att.	103	loose							tight
Udder balance	106	staged							inclined
Teat length	99	short							long
Teat thickness	97	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	101	wide							close
Teat direction (rear)	109	outwards							inwards
Udder cleanness	100	add. teats							clean udder

Vasary

HB No. 10/345905
LOM DE 09 52589079
Born 02.07.2017

aAa **516342**

VASSLI — VASIR / BOUNTY
ELENA 6/5 8990 4,41 397 3,79 341 — **JULENG** / EVITA 6/6 8142 4,61 376 3,75 306 — **HUCOS**

Type | **Butterfat** | **Milking speed**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 129** 77%

MILK INDEX **MI 122** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+609	+0,18	+41	+0,03	+25

BEEF PERFORMANCE **BI 104** 78%

Daily net gain	Carcass percentage	Carcass grade
105	98	104

FUNCTIONAL TRAITS **FIT 105** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	110	93	112	103	94	99	97	117

LINEAR DESCRIPTION 1 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**115**								
Rump	**111**								
Feet & Legs	**107**								
Udder	**104**								
Final Score	**112**								
Muscling	112	light							heavy
Height at cross	109	small							large
Chest width	115	shallow							deep
Body depth	119	shallow							deep
Backline	93	weak							strong
Rump length	117	short							long
Rump width	107	narrow							wide
Rump angle	94	ascending							sloped
Thurl position	110	in the back							in the centre
Hock angularity	100	straight							sickled
Hock develop.	99	swollen							dry
Pasterns	105	weak							strong
Foot angle	108	low angles							steep angles
Fore udder length	110	short							long
Rear udder width	98	narrow							wide
Rear udder height	94	low							high
Susp. ligament	106	weak							strong
Udder depth	102	deep							shallow
Fore udder att.	112	loose							tight
Udder balance	116	staged							inclined
Teat length	101	short							long
Teat thickness	88	thin							thick
Teat placem. (front)	101	wide							close
Teat placem. (rear)	106	wide							close
Teat direction (rear)	101	outwards							inwards
Udder cleanness	103	add. teats							clean udder

genomic

genomic

Dimitri

HB No. 10/435500
LOM DE 08 17555560
Born 01.04.2020

aAa **642513**

DIXIBOY — DAREDEVIL / FEUER
ARQUETTE 4/4 10020 4,17 418 3,65 366 — **ANIBAL** ARKANSAS 3/3 7646 4,83 369 3,93 300 — **JUHUS**

Rear udder height	Longevity	Type

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 129** 71%

MILK INDEX **MI 120** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+757	-0,06	+26	+0,01	+29

BEEF PERFORMANCE **BI 113** 64%

Daily net gain	Carcass percentage	Carcass grade
115	103	103

FUNCTIONAL TRAITS **FIT 108** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	109	108	114	101	93	97	96	125

Arquette, dam of Dimitri, 3rd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Rump	**96**		
Feet & Legs	**112**		
Udder	**123**		
Final Score	**119**		
Muscling	94	light	heavy
Height at cross	117	small	large
Chest width	100	shallow	deep
Body depth	103	shallow	deep
Backline	97	weak	strong
Rump length	108	short	long
Rump width	106	narrow	wide
Rump angle	91	ascending	sloped
Thurl position	87	in the back	in the centre
Hock angularity	93	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	108	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	105	short	long
Rear udder width	105	narrow	wide
Rear udder height	121	low	high
Susp. ligament	108	weak	strong
Udder depth	118	deep	shallow
Fore udder att.	112	loose	tight
Udder balance	115	staged	inclined
Teat length	97	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	107	add. teats	clean udder

Vassido

HB No. 10/346105
LOM DE 09 53719286
Born 22.03.2018

aAa **423651**

VASSLI — VASIR / BOUNTY
LANA 5/4 8876 4,53 402 4,06 361 — **JULENG** LAURA 6/6 9780 4,18 409 3,87 378 — **JOEL**

Type	Components	Milking speed

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 128** 78%

MILK INDEX **MI 122** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+678	+0,09	+36	+0,04	+28

BEEF PERFORMANCE **BI 93** 83%

Daily net gain	Carcass percentage	Carcass grade
98	92	90

FUNCTIONAL TRAITS **FIT 102** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	108	107	107	95	110	89	95	125

Lana, dam of Vassido, 4th lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**119**		
Rump	**113**		
Feet & Legs	**103**		
Udder	**119**		
Final Score	**119**		
Muscling	107	light	heavy
Height at cross	115	small	large
Chest width	115	shallow	deep
Body depth	122	shallow	deep
Backline	97	weak	strong
Rump length	120	short	long
Rump width	116	narrow	wide
Rump angle	85	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	92	swollen	dry
Pasterns	106	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	105	short	long
Rear udder width	106	narrow	wide
Rear udder height	113	low	high
Susp. ligament	105	weak	strong
Udder depth	113	deep	shallow
Fore udder att.	120	loose	tight
Udder balance	107	staged	inclined
Teat length	101	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	97	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	96	add. teats	clean udder

Dejavu

HB No. 10/346315
LOM DE 09 54670986
Born 03.08.2019

aAa **243615**

DANE
CADENCE
ALIBABA DAVO

DANI
4/3 10777 4,07 439 3,61 389
ZEPHIR
DORI
3/3 9221 3,66 337 3,68 339
HURAY

Type	Components	Udder health
	A2A2	
	BB	

genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 127** 76%

MILK INDEX **MI 123** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+679	+0,06	+34	+0,07	+30

BEEF PERFORMANCE **BI 96** 72%

Daily net gain	Carcass percentage	Carcass grade
100	94	94

FUNCTIONAL TRAITS **FIT 102** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	111	109	94	100	104	94	105	118

Dani, dam of Dejavu, 3rd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**122**		
Rump	**110**		
Feet & Legs	**107**		
Udder	**112**		
Final Score	**118**		
Muscling	87	light	heavy
Height at cross	124	small	large
Chest width	105	shallow	deep
Body depth	117	shallow	deep
Backline	105	weak	strong
Rump length	118	short	long
Rump width	111	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	98	in the back	in the centre
Hock angularity	100	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	102	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	116	short	long
Rear udder width	114	narrow	wide
Rear udder height	107	low	high
Susp. ligament	100	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	106	staged	inclined
Teat length	104	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	98	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Bachelor

HB No. 10/608924
LOM AT 02 2719 969
Born 30.11.2018

aAa **654123**

BENDER
BIVER
DALILA

BRISKA
3/2 9571 3,98 381 3,46 331
ASSAY
BIRGIT
3/2 7770 3,92 304 3,65 284
PROHUVO

Type	Components	Fitness
	A2A2	
	AB	

genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 127** 74%

MILK INDEX **MI 114** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+341	+0,05	+18	+0,09	+19

BEEF PERFORMANCE **BI 96** 57%

Daily net gain	Carcass percentage	Carcass grade
100	96	95

FUNCTIONAL TRAITS **FIT 113** 76%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	108	115	119	105	110	96	102	129

Briska, dam of Bachelor, 3rd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**121**		
Rump	**116**		
Feet & Legs	**110**		
Udder	**133**		
Final Score	**128**		
Muscling	106	light	heavy
Height at cross	119	small	large
Chest width	111	shallow	deep
Body depth	117	shallow	deep
Backline	104	weak	strong
Rump length	118	short	long
Rump width	111	narrow	wide
Rump angle	103	ascending	sloped
Thurl position	111	in the back	in the centre
Hock angularity	103	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	112	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	114	short	long
Rear udder width	115	narrow	wide
Rear udder height	111	low	high
Susp. ligament	104	weak	strong
Udder depth	124	deep	shallow
Fore udder att.	117	loose	tight
Udder balance	107	staged	inclined
Teat length	78	short	long
Teat thickness	87	thin	thick
Teat placem. (front)	125	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	108	add. teats	clean udder

genomic

Design PP*

HB No. 10/346435
LOM DE 09 55719950
Born 15.07.2020

aAa **165243**

AG DAVID Pp*
DANE
PALIDA

EVA Pp*
1/1 7819 5,64 441 3,67 287

VISOR P*S
ERNA
3/3 7759 5,95 462 3,66 284

HEGALL

Fat %	Type	Longevity
	A1A2	BB

genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 125** 71%

MILK INDEX **MI 114** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+351	+0,21	+32	-0,01	+12

BEEF PERFORMANCE **BI 97** 56%

Daily net gain	Carcass percentage	Carcass grade
97	97	99

FUNCTIONAL TRAITS **FIT 111** 71%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	102	105	113	106	107	102	112	119

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**108**								
Rump	**115**								
Feet & Legs	**109**								
Udder	**109**								
Final Score	**112**								
Muscling	97	light							heavy
Height at cross	107	small							large
Chest width	101	shallow							deep
Body depth	105	shallow							deep
Backline	102	weak							strong
Rump length	106	short							long
Rump width	93	narrow							wide
Rump angle	114	ascending							sloped
Thurl position	110	in the back							in the centre
Hock angularity	99	straight							sickled
Hock develop.	104	swollen							dry
Pasterns	101	weak							strong
Foot angle	103	low angles							steep angles
Fore udder length	107	short							long
Rear udder width	108	narrow							wide
Rear udder height	108	low							high
Susp. ligament	101	weak							strong
Udder depth	103	deep							shallow
Fore udder att.	103	loose							tight
Udder balance	101	staged							inclined
Teat length	89	short							long
Teat thickness	112	thin							thick
Teat placem. (front)	99	wide							close
Teat placem. (rear)	92	wide							close
Teat direction (rear)	97	outwards							inwards
Udder cleanness	98	add. teats							clean udder

Don PP*

HB No. 10/346295
LOM DE 09 55045663
Born 20.06.2019

aAa **642513**

AG DAVID Pp*
DANE
PALIDA

BIBI
4/4 7140 3,96 283 3,50 250

EMSLAND PS
BALI
2/2 6977 4,77 333 3,88 271

VASIR

Rump	Fertility	Fitness
	A2A2	BB

genomic

TOTAL MERIT INDEX (Proof: April 2022) **TMI 122** 73%

MILK INDEX **MI 109** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+503	-0,11	+12	-0,07	+13

BEEF PERFORMANCE **BI 108** 71%

Daily net gain	Carcass percentage	Carcass grade
106	106	107

FUNCTIONAL TRAITS **FIT 117** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	106	104	116	94	102	114	105	119

Bibi PS, dam of Don PP, 4th lact.

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**105**								
Rump	**111**								
Feet & Legs	**103**								
Udder	**106**								
Final Score	**106**								
Muscling	109	light							heavy
Height at cross	102	small							large
Chest width	100	shallow							deep
Body depth	101	shallow							deep
Backline	98	weak							strong
Rump length	107	short							long
Rump width	102	narrow							wide
Rump angle	104	ascending							sloped
Thurl position	108	in the back							in the centre
Hock angularity	98	straight							sickled
Hock develop.	100	swollen							dry
Pasterns	94	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	101	short							long
Rear udder width	106	narrow							wide
Rear udder height	94	low							high
Susp. ligament	91	weak							strong
Udder depth	102	deep							shallow
Fore udder att.	102	loose							tight
Udder balance	97	staged							inclined
Teat length	92	short							long
Teat thickness	107	thin							thick
Teat placem. (front)	99	wide							close
Teat placem. (rear)	95	wide							close
Teat direction (rear)	104	outwards							inwards
Udder cleanness	95	add. teats							clean udder

Zeichenerklärung

Name; P, Pp, PP, PS: Hornstatus
HB No.: Herdbuchnummer; LOM: Lebensohrmarkennummer; Born: Geburtsdatum
aAa: aAa Code; GF: Genetische Besonderheiten (FH2, FH5, BH2);
A2A2, A1A2, A2A2: Beta Kasein; AA, AB, BB: Kappa Kasein

TMI = Gesamtzuchtwert: fasst die verschiedenen Teilzuchtwerte zu einem Gesamtindex zusammen, Sicherheit (Si) in %.

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

D/H: Anzahl Töchter in Anzahl Herden.

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

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

MS = Melkbarkeit: Relativzuchtwert für Melkbarkeit.

UH = Eutergesundheit: Relativzuchtwert Eutergesundheit.

Pers = Persistenz: Relativzuchtwert für das Durchhaltevermögen innerhalb der Laktation.

PL = Nutzungsdauer: Relativzuchtwert für Nutzungsdauer.

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

Fert = Fruchtbarkeit: Relativzuchtwerte für maternale (m) Fruchtbarkeit.

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

ETMI = Ökologischer Gesamtzuchtwert (ÖZW) ist ein Gesamtzuchtwert, in dem Fitness und Exterieur in besonderer Weise gewichtet werden.

EXTERIEURZUCHTWERTE: 104 Töchter

Merkmal	ZW	Tendenz	76 88 100 112 124	Tendenz
Rahmen	**118**			
Becken	**125**			
Fundament	**104**			
Euter	**114**			
Gesamtnote (EXT)	**119**			
Bemuskelung	95	schwach		voll
Kreuzhöhe	117	klein		groß
Brustbreite	110	wenig		viel
Rumpftiefe	111	seicht		tief
Oberlinie	108	durchhäng.		erhöht
Beckenlänge	125	kurz		lang
Beckenbreite	120	schmal		breit
Beckenneigung	104	eben		abfallend
Umdreher	117	hinten		mittig
Sprg.winkel	104	steil		säbelbeinig
Sprg.ausprág.	100	voll		trocken
Fessel	97	durchtrittig		steil
Trachten	110	niedrig		hoch
Voreuterlänge	99	kurz		lang
Hintereuterbreite	94	schmal		breit
Hintereuterhöhe	110	tief		hoch
Zentralband	102	nicht ausg.		stark ausg.
Eutertiefe	116	tief		hoch
Voreuteraufhäng.	109	locker		fest
Euterbalance	110	gestuft		geneigt
Strichlänge	100	kurz		lang
Strichdicke	98	dünn		dick
Strichplatz. vo.	102	außen		innen
Strichplatz. hi.	103	außen		innen
Strichstell. hi.	98	nach außen		nach innen
Euterreinheit	99	Nebenstr.		reine Euter

Explication de signes

Nom; P, Pp, PP, PS: sans cornes
HB No.: numéro de herdbook; LOM: numéro d'oreille; Born: date de naissance
aAa: code aAa; GF: tares héréditaires (FH2, FH5, BH2);
A2A2, A1A2, A2A2: Beta Caséine; AA, AB, BB: Kappa Caséine

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

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

D/H: nombre des filles en nombre des troupeaux.

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

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

MS = Vitesse de traite: valeur d'élevage relative pour vitesse de traite.

UH = Santé mamelle: valeur d'élevage relative pour la santé mamelle.

Pers = Persistence: valeur d'élevage relative pour la persistence durant la lactation.

PL = longévité: valeur d'élevage relative pour la durée d'exploitation.

Calving ease = Vêlages: valeurs d'élevages relatives pour les effets paternels (pat) naissance et maternels (mat) vêlage pour déroulement de vêlages.

Fert = Fertilité: valeurs d'élevages relatives pour la fertilité maternelle (m)

VIT: Index vitalité (VIT) se compose des taux de mortalité (paternel) et des pertes d'élevage; coefficient de détermination en %.

ETMI = Index total écologique, est un index qui donne plus de poids aux traits de fitness et morphologie.

MORPHOLOGIE: 104 filles

Caractéristique	Index	tendance	76 88 100 112 124	tendance
Format	**118**			
Bassin	**125**			
Membres	**104**			
Mamelle	**114**			
Note globale	**119**			
Musculature	95	faible		beaucoup
Hauteur sacrum	117	petite		grande
Largeur poitrine	110	étroite		large
Profondeur poitrine	111	faible		profond
Ligne dessus	108	ensellée		droite
Longueur bassin	125	court		long
Largeur bassin	120	étroite		large
Inclinaison bassin	104	renversé		incliné
Position trochanter	117	en arrière		en avant
Angle jarret	104	droit		coudé
Epaisseur jarret	100	épais		fin
Pâturons	97	faible		droit
Epaisseur talon	110	faible		épais
Longueur attache avant	99	courte		longue
Largeur attache arr.	94	étroite		large
Hauteur attache arr.	110	basse		haute
Ligament	102	faible		fort
Dist. plancher jarret	116	basse		haute
Attache avant	109	relâchée		forte
Equilibre	110	quart. arr.		quart. avant
Longueur trayons	100	courts		longs
Diamètre trayons	98	fins		gros
Placement trayons av.	102	externe		interne
Placement trayons arr	103	externe		interne
Orientation trayons arr.	98	externe		interne
Trayons suppl.	99	nombreux		pure

Signs and Symbols

Name; P, Pp, PP, PS: polled status
HB No.: herdbook number; LOM: eartag number; Born: date of birth
aAa: aAa code; GF: genetic features (FH2, FH5, BH2);
A2A2, A1A2, A2A2: Beta Casein; AA, AB, BB: Kappa Casein

TMI = Total merit index: combines partial breeding values for various traits in one total merit index, reliability (rel.) in %.

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

D/H: Number of daughters in number of herds.

BI = Beef index: Beef performance: 116 104 110 FW 118 86% means: relative breeding values for net gain, carcass percentage and quality class (EUROP). FW is an index for beef combining the three composites; rel. in %.

FIT: combines partial breeding values for productive lifetime, somatic cell count, fertility, stillbirth rate, calving ease, milking speed and persistence in one index for fitness; rel. in %.

MS = Milking speed: relative breeding value for milking speed.

UH = Udder health: relative breeding value for udder health.

Pers = Persistency: relative breeding value for durability during the lactation.

PL = Productive lifetime: relative breeding value for productive lifetime.

Calving ease: relative breeding values for paternal (pat) and maternal effects (mat) on calving trend.

Fert = Fertility: relative breeding values for maternal (m) fertility.

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

ETMI = Ecological Total Merit Index, is an index that focuses on fitness and type traits.

LINEAR DESCRIPTION: 104 daughters

Trait	Index	Trend	76 88 100 112 124	Trend
Frame	**118**			
Rump	**125**			
Feet & Legs	**104**			
Udder	**114**			
Final Score	**119**			
Muscling	95	light		heavy
Height at cross	117	small		large
Chest width	110	shallow		deep
Body depth	111	shallow		deep
Backline	108	weak		strong
Rump length	125	short		long
Rump width	120	narrow		wide
Rump angle	104	ascending		sloped
Thurl position	117	in the back		in the centre
Hock angularity	104	straight		sickled
Hock develop.	100	swollen		dry
Pasterns	97	weak		strong
Foot angle	110	low angles		steep angles
Fore udder length	99	short		long
Rear udder width	94	narrow		wide
Rear udder height	110	low		high
Susp. ligament	102	weak		strong
Udder depth	116	deep		shallow
Fore udder attachment	109	loose		tight
Udder balance	110	staged		inclined
Teat length	100	short		long
Teat thickness	98	thin		thick
Teat placement (front)	102	wide		close
Teat placement (rear)	103	wide		close
Teat direction (rear)	98	outwards		inwards
Udder cleanness	99	add. teats		clean udder

Abreviaturas

Nombre; P, Pp, PP, PS: sin cuernos
HBNr.: número de registro; LOM: marca auricular; Born: fecha de nacimiento
aAa: código aAa; GF: pecularidades géneticas (FH2, FH5, BH2);
A2A2, A1A2, A1A1: genotipo beta caseina; AA, AB, BB: genotipo cappa caseina

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

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

D/H: número de hijas en número de rebaños

BI: índice de carne (se compone de engorde neto, rendimiento en canal y clasificación EUROP)

FIT: índice para aptitud biológica (se compone de salud de ubre, vitalidad de terneros, fac. de parto, fertilidad, persistencia, longevidad)

MS = velocidad de ordeño

UH = indicador para la salud de la ubre

Pers = persistencia

PL = vida útil – longevidad

Calving ease = facilidad de parto – índice paternal (pat) y maternal (mat)

Fert = fertilidad

VIT = vitalidad de los terneros

ETMI = Valor genético total, valor genético total écologico (VGTE), es un valor genético que se concentra en aptitud biológica y tipo

CONFORMACIÓN: 104 Hijas

Característica	índice	tendencia	76 88 100 112 124	tendencia
Tamaño	**118**			
Grupa	**125**			
Patas y aplomos	**104**			
Ubre	**114**			
Nota total (EXT)	**119**			
Musculatura	95	débil		fuerte
Altura de la grupa	117	baja		alta
Ancho de tórax	110	estrecho		ancho
Profund. corporal	111	poca		mucha
Línea superior	108	hacia abajo		hacia arriba
Largo de anca	125	corta		larga
Ancho de Anca	120	estrecha		ancha
Angulo de anca	104	ascendiente		inclinado
Posición del trocánter	117	hacia atras		en el centro
Inclin. de corvejones	104	estaconado		angulado
Corvejones	100	poco definido		bien def.
Menudillo/Espolones	97	bajo		alto
Angulo del talón	110	bajo		alto
Largo ubre anterior	99	corta		larga
Ancho Ubre post.	94	estrecha		ancha
Altura Ubre post.	110	baja		alta
Ligamento central	102	débil		fuerte
Profund. Ubre post.	116	baja		alta
Inserción ubre ant.	109	débil		firme
Equilibrio de ubre	110	nivelada		escaloneada
Largo de pezones	100	corto		largo
Ancho de pezones	98	delgado		grueso
Posición pezones ant.	102	exterior		interior
Posición pezones post.	103	exterior		interior
Orientación pezones post.	98	salidos		metidos
Claridad de la ubre	99	tetas adic.		limpia

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RED HOLSTEIN

ANGLER

JERSEY

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