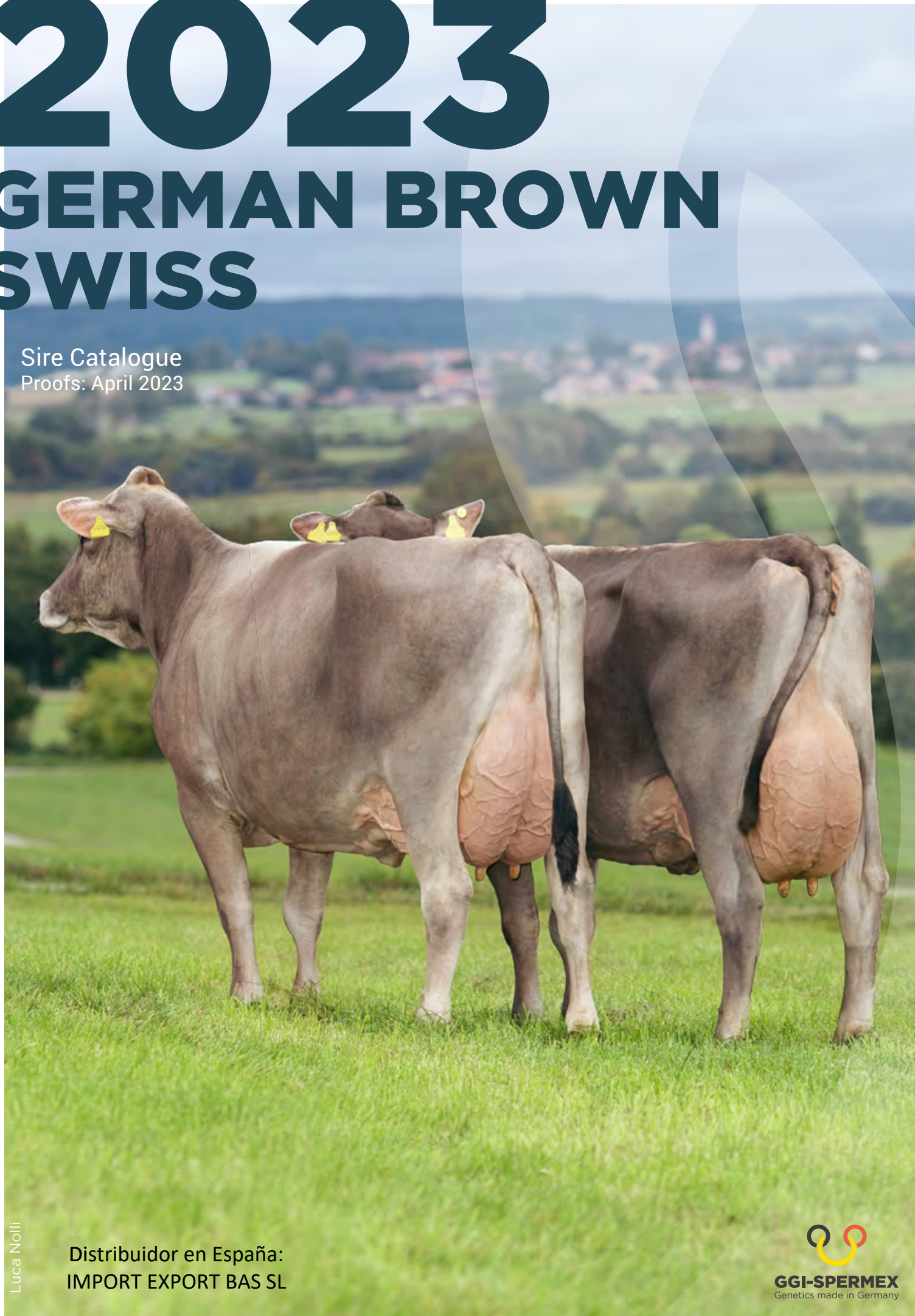
2023 GERMAN BROWN SWISS

Sire Catalogue
Proofs: April 2023



Luca Nolli

Distribuidor en España:
IMPORT EXPORT BAS SL

GGI-SPERMEX
Genetics made in Germany

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

Dear 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

M. Wimmer

picture: M. Hiebl

parts...
German Genetics!

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

Progeny tested

Genomic young sires

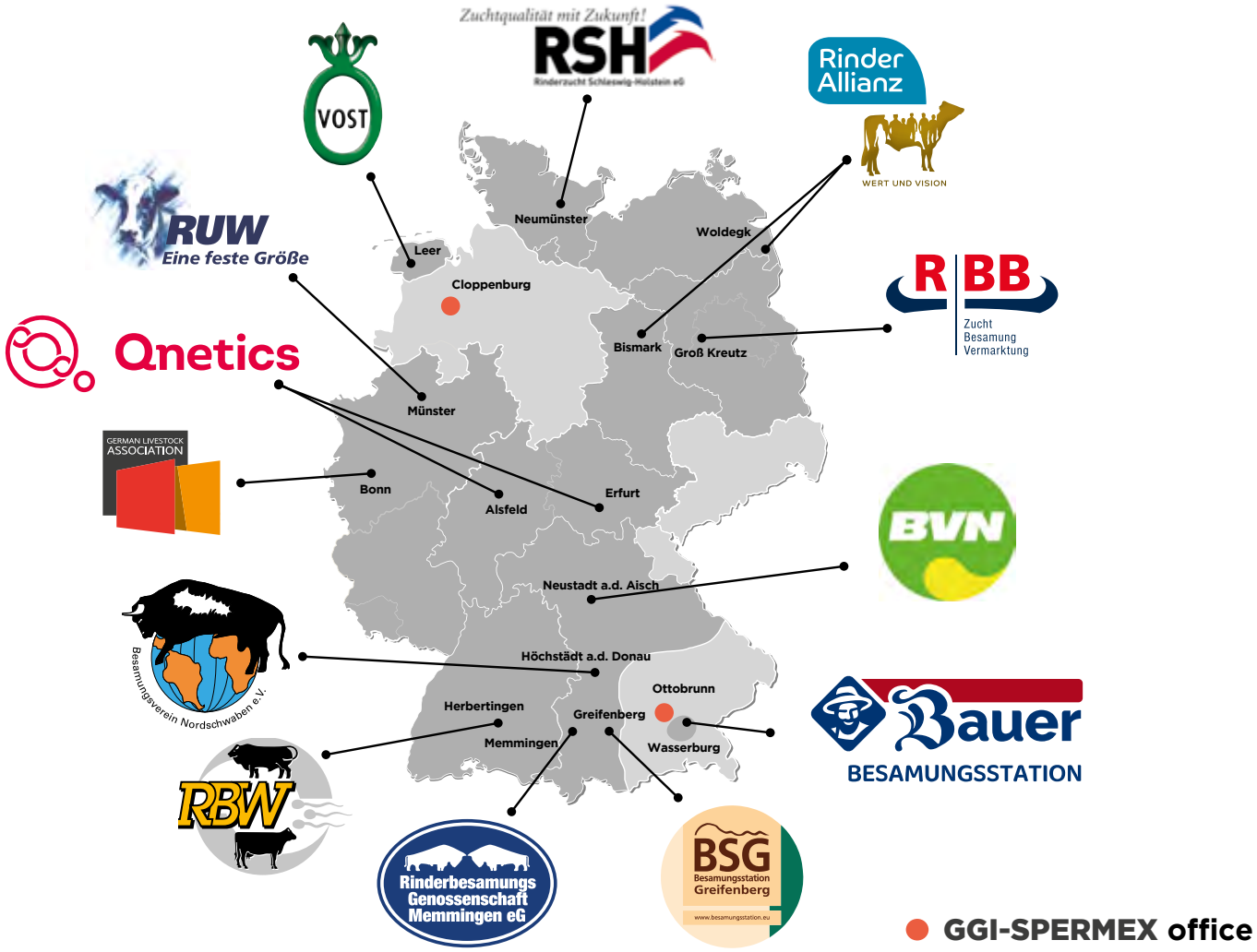
BROWN SWISS
MORE THAN MILK

Info

Cover: Left: Dam of Västeras (S. Verdi), right: granddam of Västeras (S. Himalaya)
Västeras x Vaselino x Verdi - Photo: Luca Nolli
Page 2+3: Brown Swiss cow enjoying the sun on a pasture in Bavaria
Photo: M. Wimmer
Backcover photo: Brown Swiss cows are good grazers
Photo: F. Stumpenhusen

GGI-SPERMEX GmbH

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.

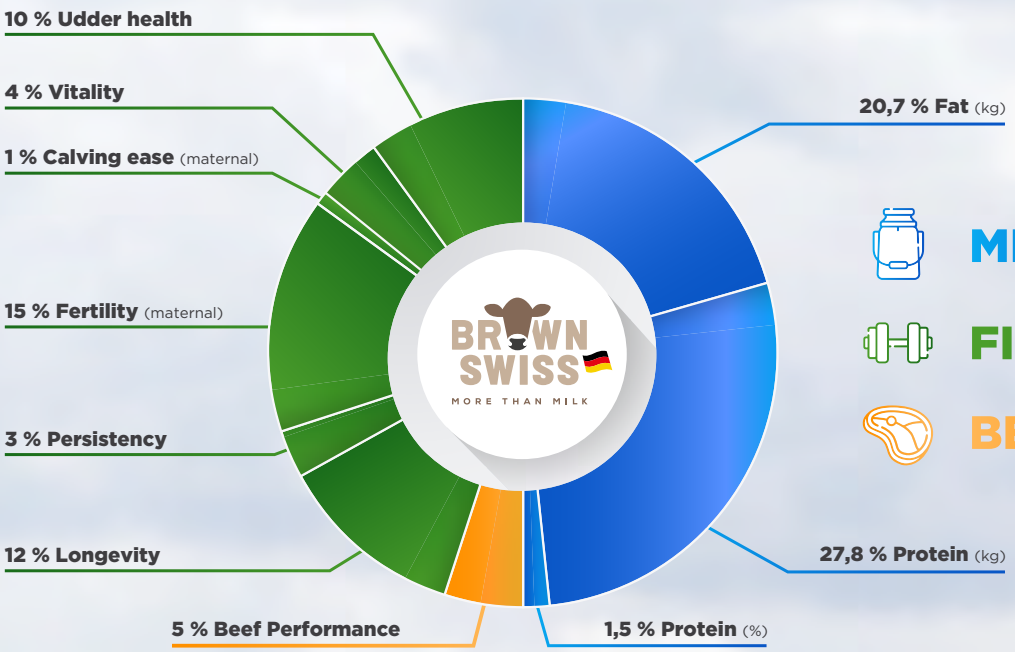
Production and sustainability

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!



MILK 50%

FITNESS 45%

BEEF 5%

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 2022 Brown Swiss cows were slaughtered with an average lifetime production of 31.467 kg milk and an age of 48,5 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.

Assay-daughter Katrin
Champion of the cows with 4 and 5 calves at the RBW Show 2023

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.

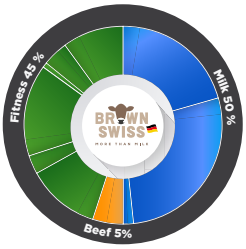
Brown Swiss
Broad variety of bloodlines available!
Luca Nolli

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 131.000 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 — HUSSLI / LAURA
ZIRBEL 8/8 8312 4,25 354 3,72 309 — **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 2023) **TMI 142** 98%

MILK INDEX (D: 862, H: 437) **MI 117** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+819	-0,15	+21	-0,04	+26

BEEF PERFORMANCE **BI 110** 94%

Daily net gain	Carcass percentage	Carcass grade
108	104	104

FUNCTIONAL TRAITS **FIT 123** 97%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	117	124	112	106	100	119	106	129

Indienne, daughter of Husold, France

LINEAR DESCRIPTION 279 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**97**								
Rump	**97**								
Feet & Legs	**106**								
Udder	**105**								
Final Score	**103**								
Muscling	89	light							heavy
Height at cross	108	small							large
Chest width	88	shallow							deep
Body depth	97	shallow							deep
Backline	89	weak							strong
Rump length	98	short							long
Rump width	98	narrow							wide
Rump angle	112	ascending							sloped
Thurl position	87	in the back							in the centre
Hock angularity	92	straight							sickled
Hock develop.	110	swollen							dry
Pasterns	99	weak							strong
Foot angle	98	low angles							steep angles
Fore udder length	105	short							long
Rear udder width	98	narrow							wide
Rear udder height	111	low							high
Susp. ligament	88	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	94	thin							thick
Teat placem. (front)	100	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	99	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	Persistency	Vitality

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 139** 91%

MILK INDEX (D: 108, H: 95) **MI 127** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1300	-0,18	+38	-0,07	+41

BEEF PERFORMANCE **BI 107** 78%

Daily net gain	Carcass percentage	Carcass grade
108	95	105

FUNCTIONAL TRAITS **FIT 106** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	106	109	110	90	86	97	110	120

Libelle, daughter of Habitus

LINEAR DESCRIPTION 61 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**94**								
Rump	**93**								
Feet & Legs	**98**								
Udder	**105**								
Final Score	**98**								
Muscling	98	light							heavy
Height at cross	97	small							large
Chest width	97	shallow							deep
Body depth	98	shallow							deep
Backline	95	weak							strong
Rump length	91	short							long
Rump width	87	narrow							wide
Rump angle	91	ascending							sloped
Thurl position	101	in the back							in the centre
Hock angularity	95	straight							sickled
Hock develop.	95	swollen							dry
Pasterns	96	weak							strong
Foot angle	111	low angles							steep angles
Fore udder length	105	short							long
Rear udder width	97	narrow							wide
Rear udder height	99	low							high
Susp. ligament	94	weak							strong
Udder depth	100	deep							shallow
Fore udder att.	100	loose							tight
Udder balance	101	staged							inclined
Teat length	98	short							long
Teat thickness	111	thin							thick
Teat placem. (front)	101	wide							close
Teat placem. (rear)	98	wide							close
Teat direction (rear)	100	outwards							inwards
Udder cleanness	93	add. teats							clean udder

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 138** 88%

MILK INDEX (D: 65, H: 59) **MI 128** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1211	-0,03	+48	-0,09	+36

BEEF PERFORMANCE **BI 104** 71%

Daily net gain	Carcass percentage	Carcass grade
105	100	98

FUNCTIONAL TRAITS **FIT 104** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	101	110	104	99	100	102	98	127

Lydia, daughter of Valor

LINEAR DESCRIPTION 44 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**118**		
Rump	**113**		
Feet & Legs	**108**		
Udder	**109**		
Final Score	**114**		
Muscling	91	light	heavy
Height at cross	123	small	large
Chest width	107	shallow	deep
Body depth	112	shallow	deep
Backline	104	weak	strong
Rump length	116	short	long
Rump width	105	narrow	wide
Rump angle	107	ascending	sloped
Thurl position	111	in the back	in the centre
Hock angularity	111	straight	sickled
Hock develop.	113	swollen	dry
Pasterns	106	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	103	short	long
Rear udder width	96	narrow	wide
Rear udder height	102	low	high
Susp. ligament	103	weak	strong
Udder depth	113	deep	shallow
Fore udder att.	100	loose	tight
Udder balance	107	staged	inclined
Teat length	104	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	90	add. teats	clean udder

Hebron

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

aAa **654123**

HEGALL — HUSJET / KORAL
PASTA 7/6 10639 4,70 500 3,70 393 — **VASIR** / PAUKE — **JUPAZ (M*)**
7/6 10816 4,71 509 3,68 398

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 137** 98%

MILK INDEX (D: 1125, H: 661) **MI 122** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+368	+0,37	+45	+0,12	+23

BEEF PERFORMANCE **BI 83** 95%

Daily net gain	Carcass percentage	Carcass grade
89	86	92

FUNCTIONAL TRAITS **FIT 111** 98%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	118	93	106	101	102	108	98	122

Daughter of Hebron

LINEAR DESCRIPTION 298 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**84**		
Rump	**81**		
Feet & Legs	**111**		
Udder	**111**		
Final Score	**99**		
Muscling	90	light	heavy
Height at cross	84	small	large
Chest width	89	shallow	deep
Body depth	90	shallow	deep
Backline	88	weak	strong
Rump length	80	short	long
Rump width	106	narrow	wide
Rump angle	85	ascending	sloped
Thurl position	96	in the back	in the centre
Hock angularity	87	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	109	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	98	short	long
Rear udder width	104	narrow	wide
Rear udder height	119	low	high
Susp. ligament	105	weak	strong
Udder depth	105	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	95	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	89	add. teats	clean udder

progeny tested

genomic

Sansibar

HB No. 10/435405
LOM DE 08 16932028
Born 30.11.2017

GS SINATRA — SEASIDEBLOOM RIANA
ZARA 28 7/6 9226 4,47 412 3,49 322 — **VASIR** ZAMBA 6/6 9089 3,86 351 3,81 346 — **PRESIDENT ET**

Fitness	Type	Milk

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 136** 82%

MILK INDEX (D: 18, H: 15) **MI 121** 90%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+875	-0,10	+28	-0,01	+30

BEEF PERFORMANCE **BI 90** 82%

Daily net gain	Carcass percentage	Carcass grade
96	88	94

FUNCTIONAL TRAITS **FIT 118** 82%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	115	115	115	94	93	111	95	126

LINEAR DESCRIPTION 9 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**113**								
Rump	**119**								
Feet & Legs	**112**								
Udder	**116**								
Final Score	**120**								
Muscling	109	light							heavy
Height at cross	112	small							large
Chest width	111	shallow							deep
Body depth	102	shallow							deep
Backline	112	weak							strong
Rump length	113	short							long
Rump width	111	narrow							wide
Rump angle	105	ascending							sloped
Thurl position	112	in the back							in the centre
Hock angularity	84	straight							sickled
Hock develop.	84	swollen							dry
Pasterns	120	weak							strong
Foot angle	108	low angles							steep angles
Fore udder length	103	short							long
Rear udder width	91	narrow							wide
Rear udder height	100	low							high
Susp. ligament	103	weak							strong
Udder depth	121	deep							shallow
Fore udder att.	110	loose							tight
Udder balance	100	staged							inclined
Teat length	95	short							long
Teat thickness	110	thin							thick
Teat placem. (front)	100	wide							close
Teat placem. (rear)	110	wide							close
Teat direction (rear)	106	outwards							inwards
Udder cleanness	105	add. teats							clean udder

Vasary

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

aAa **516342**

VASSLI — VASIR BOUNTY
ELENA 7/6 9103 4,41 402 3,75 341 — **JULENG** EVITA 6/6 8142 4,61 376 3,75 306 — **HUCOS**

Type	Butterfat	Milking speed

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 135** 88%

MILK INDEX (D: 94, H: 77) **MI 126** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+742	+0,26	+53	+0,00	+27

BEEF PERFORMANCE **BI 103** 82%

Daily net gain	Carcass percentage	Carcass grade
105	95	100

FUNCTIONAL TRAITS **FIT 106** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	111	99	111	103	90	99	98	121

Medina, daughter of Vasary

LINEAR DESCRIPTION 46 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**113**								
Rump	**114**								
Feet & Legs	**109**								
Udder	**108**								
Final Score	**113**								
Muscling	114	light							heavy
Height at cross	107	small							large
Chest width	117	shallow							deep
Body depth	118	shallow							deep
Backline	90	weak							strong
Rump length	116	short							long
Rump width	106	narrow							wide
Rump angle	95	ascending							sloped
Thurl position	112	in the back							in the centre
Hock angularity	108	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	107	weak							strong
Foot angle	109	low angles							steep angles
Fore udder length	108	short							long
Rear udder width	100	narrow							wide
Rear udder height	98	low							high
Susp. ligament	104	weak							strong
Udder depth	103	deep							shallow
Fore udder att.	113	loose							tight
Udder balance	119	staged							inclined
Teat length	99	short							long
Teat thickness	87	thin							thick
Teat placem. (front)	99	wide							close
Teat placem. (rear)	105	wide							close
Teat direction (rear)	105	outwards							inwards
Udder cleanness	101	add. teats							clean udder

Ifendi

HB No. 10/435337
LOM DE 08 16476421
Born 27.10.2016

IFEELING — AG VOLVO FEELING
HALLIE 6/5 9686 4,18 405 3,64 353 — **VASSLI** HAGAR 4/4 7025 3,89 274 3,56 250 — **HUNTO**

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 135** 92%

MILK INDEX (D: 172, H: 86) **MI 125** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+685	+0,00	+29	+0,17	+40

BEEF PERFORMANCE **BI 100** 88%

Daily net gain	Carcass percentage	Carcass grade
102	98	97

FUNCTIONAL TRAITS **FIT 105** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
92	110	108	99	102	98	101	99	119

Feeling, paternal grand dam of Ifeeling

LINEAR DESCRIPTION 103 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Rump	**112**		
Feet & Legs	**100**		
Udder	**92**		
Final Score	**104**		
Muscling	90	light	heavy
Height at cross	112	small	large
Chest width	107	shallow	deep
Body depth	108	shallow	deep
Backline	115	weak	strong
Rump length	109	short	long
Rump width	107	narrow	wide
Rump angle	115	ascending	sloped
Thurl position	109	in the back	in the centre
Hock angularity	102	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	108	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	99	short	long
Rear udder width	99	narrow	wide
Rear udder height	95	low	high
Susp. ligament	96	weak	strong
Udder depth	97	deep	shallow
Fore udder att.	95	loose	tight
Udder balance	86	staged	inclined
Teat length	102	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	89	wide	close
Teat placem. (rear)	90	wide	close
Teat direction (rear)	91	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 7/7 11503 3,84 441 3,54 408 — **PROSTAR**

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

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 134** 90%

MILK INDEX (D: 126, H: 97) **MI 119** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+599	+0,16	+38	-0,02	+20

BEEF PERFORMANCE **BI 95** 81%

Daily net gain	Carcass percentage	Carcass grade
100	92	92

FUNCTIONAL TRAITS **FIT 114** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	109	103	111	111	103	112	102	122

Sandra, daughter of Vasmor

LINEAR DESCRIPTION 69 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Rump	**94**		
Feet & Legs	**98**		
Udder	**110**		
Final Score	**106**		
Muscling	97	light	heavy
Height at cross	105	small	large
Chest width	100	shallow	deep
Body depth	105	shallow	deep
Backline	96	weak	strong
Rump length	106	short	long
Rump width	98	narrow	wide
Rump angle	81	ascending	sloped
Thurl position	103	in the back	in the centre
Hock angularity	103	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	101	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	97	short	long
Rear udder width	87	narrow	wide
Rear udder height	107	low	high
Susp. ligament	109	weak	strong
Udder depth	111	deep	shallow
Fore udder att.	119	loose	tight
Udder balance	104	staged	inclined
Teat length	110	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	94	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	92	outwards	inwards
Udder cleanness	102	add. teats	clean udder

progeny tested

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** | **Feet & legs**

A2A2
BB
progeny tested

progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 133** 90%

MILK INDEX (D: 184, H: 144) **MI 126** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+884	+0,22	+56	-0,09	+25

BEEF PERFORMANCE **BI 94** 92%

Daily net gain	Carcass percentage	Carcass grade
96	96	94

FUNCTIONAL TRAITS **FIT 103** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	119	107	103	101	105	85	102	125

1304, dam of Vaselino, 3rd lac.

LINEAR DESCRIPTION 59 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**108**								
Rump	**109**								
Feet & Legs	**117**								
Udder	**112**								
Final Score	**114**								
Muscling	92	light							heavy
Height at cross	111	small							large
Chest width	102	shallow							deep
Body depth	112	shallow							deep
Backline	86	weak							strong
Rump length	113	short							long
Rump width	107	narrow							wide
Rump angle	92	ascending							sloped
Thurl position	104	in the back							in the centre
Hock angularity	103	straight							sickled
Hock develop.	117	swollen							dry
Pasterns	108	weak							strong
Foot angle	109	low angles							steep angles
Fore udder length	98	short							long
Rear udder width	99	narrow							wide
Rear udder height	113	low							high
Susp. ligament	111	weak							strong
Udder depth	109	deep							shallow
Fore udder att.	103	loose							tight
Udder balance	106	staged							inclined
Teat length	102	short							long
Teat thickness	97	thin							thick
Teat placem. (front)	95	wide							close
Teat placem. (rear)	109	wide							close
Teat direction (rear)	109	outwards							inwards
Udder cleanness	101	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 2023) **TMI 133** 91%

MILK INDEX (D: 132, H: 111) **MI 121** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+883	-0,07	+31	-0,02	+31

BEEF PERFORMANCE **BI 109** 79%

Daily net gain	Carcass percentage	Carcass grade
106	104	107

FUNCTIONAL TRAITS **FIT 107** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
90	102	108	109	104	97	99	113	122

1059, daughter of Pukari

LINEAR DESCRIPTION 71 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**99**								
Rump	**99**								
Feet & Legs	**105**								
Udder	**107**								
Final Score	**104**								
Muscling	97	light							heavy
Height at cross	96	small							large
Chest width	102	shallow							deep
Body depth	102	shallow							deep
Backline	98	weak							strong
Rump length	96	short							long
Rump width	93	narrow							wide
Rump angle	100	ascending							sloped
Thurl position	98	in the back							in the centre
Hock angularity	101	straight							sickled
Hock develop.	107	swollen							dry
Pasterns	99	weak							strong
Foot angle	101	low angles							steep angles
Fore udder length	107	short							long
Rear udder width	111	narrow							wide
Rear udder height	102	low							high
Susp. ligament	111	weak							strong
Udder depth	96	deep							shallow
Fore udder att.	97	loose							tight
Udder balance	106	staged							inclined
Teat length	94	short							long
Teat thickness	99	thin							thick
Teat placem. (front)	99	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	109	outwards							inwards
Udder cleanness	113	add. teats							clean udder

Vavio

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

VAVIGO — VASSLI / NORIS
BONITA 8/8 10223 3,71 379 3,51 359 — **GS HUXOY** BABETTE 4/4 7424 4,28 318 3,74 277 — **PRONTO**

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 133** 94%

MILK INDEX (D: 213, H: 115) **MI 115** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+808	-0,21	+16	-0,04	+26

BEEF PERFORMANCE **BI 108** 88%

Daily net gain	Carcass percentage	Carcass grade
106	104	105

FUNCTIONAL TRAITS **FIT 115** 91%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	112	119	110	101	100	109	99	125

Noris, granddam of Vavio, 4th lac.

LINEAR DESCRIPTION 135 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Rump	**92**		
Feet & Legs	**103**		
Udder	**112**		
Final Score	**109**		
Muscling	97	light	heavy
Height at cross	111	small	large
Chest width	98	shallow	deep
Body depth	106	shallow	deep
Backline	94	weak	strong
Rump length	100	short	long
Rump width	103	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	88	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	111	weak	strong
Foot angle	96	low angles	steep angles
Fore udder length	96	short	long
Rear udder width	102	narrow	wide
Rear udder height	118	low	high
Susp. ligament	112	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	98	loose	tight
Udder balance	97	staged	inclined
Teat length	105	short	long
Teat thickness	85	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	98	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Canyon

HB No. 10/435395
LOM DE 08 16637282
Born 29.10.2017

aAa **642513**

CADURA — CADENCE / 706
LIESE 4/4 10442 4,02 420 3,37 352 — **GS HUVI** LEXA 5/5 9737 4,26 415 3,47 338 — **EASTON**

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 133** 94%

MILK INDEX (D: 368, H: 229) **MI 114** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1034	-0,44	+5	-0,08	+31

BEEF PERFORMANCE **BI 108** 95%

Daily net gain	Carcass percentage	Carcass grade
107	105	100

FUNCTIONAL TRAITS **FIT 116** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	103	120	119	102	101	110	104	130

Ellen, daughter of Canyon

LINEAR DESCRIPTION 200 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Rump	**100**		
Feet & Legs	**107**		
Udder	**117**		
Final Score	**111**		
Muscling	87	light	heavy
Height at cross	111	small	large
Chest width	95	shallow	deep
Body depth	105	shallow	deep
Backline	89	weak	strong
Rump length	107	short	long
Rump width	95	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	97	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	110	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	106	narrow	wide
Rear udder height	115	low	high
Susp. ligament	98	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	104	loose	tight
Udder balance	113	staged	inclined
Teat length	92	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	93	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	101	add. teats	clean udder

progeny tested

Valid

HB No. 10/435394
LOM DE 08 16630907
Born 30.09.2017

aAa **426351**

VASSLI — VASIR / BOUNTY
ANABELL 4/4 10020 4,17 418 3,65 366 — **ANIBAL** ARQUETTE 3/3 7646 4,83 369 3,93 300 — **JUHUS**

Fitness	Butterfat	Type

A2A2
BB
progeny tested

progeny tested

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

MILK INDEX (D: 187, H: 137) **MI 118** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+526	+0,18	+37	-0,01	+18

BEEF PERFORMANCE **BI 104** 92%

Daily net gain	Carcass percentage	Carcass grade
107	95	98

FUNCTIONAL TRAITS **FIT 113** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	112	111	110	97	108	111	82	127

LINEAR DESCRIPTION 79 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**114**								
Rump	**106**								
Feet & Legs	**114**								
Udder	**116**								
Final Score	**116**								
Muscling	109	light							heavy
Height at cross	120	small							large
Chest width	108	shallow							deep
Body depth	108	shallow							deep
Backline	103	weak							strong
Rump length	114	short							long
Rump width	109	narrow							wide
Rump angle	89	ascending							sloped
Thurl position	96	in the back							in the centre
Hock angularity	90	straight							sickled
Hock develop.	90	swollen							dry
Pasterns	116	weak							strong
Foot angle	112	low angles							steep angles
Fore udder length	103	short							long
Rear udder width	102	narrow							wide
Rear udder height	104	low							high
Susp. ligament	102	weak							strong
Udder depth	110	deep							shallow
Fore udder att.	112	loose							tight
Udder balance	91	staged							inclined
Teat length	111	short							long
Teat thickness	99	thin							thick
Teat placem. (front)	99	wide							close
Teat placem. (rear)	92	wide							close
Teat direction (rear)	89	outwards							inwards
Udder cleanness	99	add. teats							clean udder

Sidence

HB No. 10/346510
LOM DE 09 53325785
Born 08.01.2018

aAa **234165**

GS SINATRA — SEASIDEBLOOM / RIANA
1314 5/5 10515 4,37 460 3,90 410 — **CADENCE** 1186 7/7 11145 4,22 470 3,78 421 — **GS HUXOY**

Udder health	Milk	Fitness

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 131** 91%

MILK INDEX (D: 236, H: 188) **MI 117** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+933	-0,18	+23	-0,09	+26

BEEF PERFORMANCE **BI 102** 85%

Daily net gain	Carcass percentage	Carcass grade
103	97	98

FUNCTIONAL TRAITS **FIT 113** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	113	104	111	100	102	109	94	121

Daughter of Sidence

LINEAR DESCRIPTION 93 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**104**								
Rump	**100**								
Feet & Legs	**104**								
Udder	**104**								
Final Score	**105**								
Muscling	100	light							heavy
Height at cross	103	small							large
Chest width	96	shallow							deep
Body depth	102	shallow							deep
Backline	103	weak							strong
Rump length	99	short							long
Rump width	84	narrow							wide
Rump angle	97	ascending							sloped
Thurl position	104	in the back							in the centre
Hock angularity	104	straight							sickled
Hock develop.	110	swollen							dry
Pasterns	92	weak							strong
Foot angle	98	low angles							steep angles
Fore udder length	89	short							long
Rear udder width	101	narrow							wide
Rear udder height	103	low							high
Susp. ligament	86	weak							strong
Udder depth	105	deep							shallow
Fore udder att.	107	loose							tight
Udder balance	91	staged							inclined
Teat length	93	short							long
Teat thickness	100	thin							thick
Teat placem. (front)	96	wide							close
Teat placem. (rear)	93	wide							close
Teat direction (rear)	90	outwards							inwards
Udder cleanness	93	add. teats							clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Verdi

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

aAa **546312**

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

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 131** 99%

MILK INDEX (D: 3038, H: 1296) **MI 114** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+87	+0,22	+21	+0,19	+18

BEEF PERFORMANCE **BI 90** 97%

Daily net gain	Carcass percentage	Carcass grade
91	97	97

FUNCTIONAL TRAITS **FIT 116** 99%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	112	110	110	92	111	115	94	113

Uschi, daughter of Verdi

LINEAR DESCRIPTION 1205 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**95**		
Rump	**100**		
Feet & Legs	**102**		
Udder	**101**		
Final Score	**99**		
Muscling	91	light	heavy
Height at cross	96	small	large
Chest width	95	shallow	deep
Body depth	93	shallow	deep
Backline	96	weak	strong
Rump length	91	short	long
Rump width	110	narrow	wide
Rump angle	99	ascending	sloped
Thurl position	95	in the back	in the centre
Hock angularity	78	straight	sickled
Hock develop.	82	swollen	dry
Pasterns	116	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	93	short	long
Rear udder width	99	narrow	wide
Rear udder height	107	low	high
Susp. ligament	104	weak	strong
Udder depth	103	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	97	staged	inclined
Teat length	108	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	83	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	95	add. teats	clean udder

Hudson

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

aAa **615243**

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

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

A1A1
AA
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 131** 95%

MILK INDEX (D: 273, H: 208) **MI 113** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+650	-0,19	+12	-0,01	+23

BEEF PERFORMANCE **BI 101** 89%

Daily net gain	Carcass percentage	Carcass grade
100	102	101

FUNCTIONAL TRAITS **FIT 118** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
92	118	119	105	109	93	111	111	121

Helda, daughter of Hudson

LINEAR DESCRIPTION 107 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Rump	**99**		
Feet & Legs	**104**		
Udder	**99**		
Final Score	**102**		
Muscling	89	light	heavy
Height at cross	107	small	large
Chest width	90	shallow	deep
Body depth	103	shallow	deep
Backline	99	weak	strong
Rump length	101	short	long
Rump width	101	narrow	wide
Rump angle	111	ascending	sloped
Thurl position	78	in the back	in the centre
Hock angularity	88	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	103	weak	strong
Foot angle	95	low angles	steep angles
Fore udder length	104	short	long
Rear udder width	92	narrow	wide
Rear udder height	103	low	high
Susp. ligament	102	weak	strong
Udder depth	100	deep	shallow
Fore udder att.	89	loose	tight
Udder balance	95	staged	inclined
Teat length	109	short	long
Teat thickness	106	thin	thick
Teat placem. (front)	91	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	89	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 7/6 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 2023) **TMI 130** 93%

MILK INDEX (D: 179, H: 106) **MI 120** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+178	+0,43	+41	+0,17	+20

BEEF PERFORMANCE **BI 86** 87%

Daily net gain	Carcass percentage	Carcass grade
89	90	94

FUNCTIONAL TRAITS **FIT 109** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	115	97	103	108	102	104	107	122

Zilli, daughter of Helau

LINEAR DESCRIPTION 100 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**96**		
Rump	**97**		
Feet & Legs	**113**		
Udder	**117**		
Final Score	**110**		
Muscling	93	light	heavy
Height at cross	95	small	large
Chest width	93	shallow	deep
Body depth	95	shallow	deep
Backline	97	weak	strong
Rump length	101	short	long
Rump width	102	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	101	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	117	weak	strong
Foot angle	116	low angles	steep angles
Fore udder length	98	short	long
Rear udder width	105	narrow	wide
Rear udder height	123	low	high
Susp. ligament	103	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	106	staged	inclined
Teat length	99	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	117	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	97	add. teats	clean udder

Hamburg

HB No. 10/345540
LOM DE 09 49825461
Born 26.11.2014

aAa **534612**

HACKER — HURAY / KONNI
BRIELA 8/7 7828 4,83 378 3,97 311 — **PADUA** BRITTA 10/10 8315 4,73 393 3,73 311 — **HUSIR**

Fitness | **Fertility** | **Longevity**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 130** 91%

MILK INDEX (D: 90, H: 78) **MI 109** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+540	-0,12	+13	-0,08	+13

BEEF PERFORMANCE **BI 109** 78%

Daily net gain	Carcass percentage	Carcass grade
108	100	110

FUNCTIONAL TRAITS **FIT 122** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
113	107	99	127	102	108	118	107	119

Gitta, daughter of Hamburg

LINEAR DESCRIPTION 69 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**86**		
Rump	**95**		
Feet & Legs	**101**		
Udder	**107**		
Final Score	**98**		
Muscling	105	light	heavy
Height at cross	87	small	large
Chest width	89	shallow	deep
Body depth	82	shallow	deep
Backline	100	weak	strong
Rump length	87	short	long
Rump width	92	narrow	wide
Rump angle	105	ascending	sloped
Thurl position	93	in the back	in the centre
Hock angularity	99	straight	sickled
Hock develop.	112	swollen	dry
Pasterns	90	weak	strong
Foot angle	89	low angles	steep angles
Fore udder length	101	short	long
Rear udder width	102	narrow	wide
Rear udder height	102	low	high
Susp. ligament	100	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	100	staged	inclined
Teat length	89	short	long
Teat thickness	108	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	119	wide	close
Teat direction (rear)	118	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Heimo

HB No. 10/346260
LOM DE 09 52192163
Born 09.03.2017

AG HEBRON
HEGALL
PASTA

1318
6/5 10233 3,99 408 3,66 375

GS HIMALAYA
299
3/3 8573 4,44 381 3,86 331

HURAY

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 129** 89%

MILK INDEX (D: 107, H: 98) **MI 123** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1251	-0,25	+30	-0,11	+35

BEEF PERFORMANCE **BI 81** 75%

Daily net gain	Carcass percentage	Carcass grade
88	88	87

FUNCTIONAL TRAITS **FIT 103** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	110	102	101	95	101	95	104	119

Leni, daughter of Heimo

LINEAR DESCRIPTION 59 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Rump	**102**		
Feet & Legs	**115**		
Udder	**119**		
Final Score	**115**		
Muscling	96	light	heavy
Height at cross	100	small	large
Chest width	102	shallow	deep
Body depth	103	shallow	deep
Backline	100	weak	strong
Rump length	98	short	long
Rump width	103	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	112	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	106	short	long
Rear udder width	112	narrow	wide
Rear udder height	115	low	high
Susp. ligament	90	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	112	loose	tight
Udder balance	97	staged	inclined
Teat length	100	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	84	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 | **Vitality** | **Longevity**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 129** 93%

MILK INDEX (D: 162, H: 130) **MI 120** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1011	-0,16	+28	-0,08	+29

BEEF PERFORMANCE **BI 113** 84%

Daily net gain	Carcass percentage	Carcass grade
108	108	112

FUNCTIONAL TRAITS **FIT 103** 91%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	103	102	111	91	103	92	112	119

Hase, daughter of Vip

LINEAR DESCRIPTION 116 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**90**		
Rump	**104**		
Feet & Legs	**102**		
Udder	**108**		
Final Score	**100**		
Muscling	111	light	heavy
Height at cross	81	small	large
Chest width	96	shallow	deep
Body depth	93	shallow	deep
Backline	103	weak	strong
Rump length	92	short	long
Rump width	110	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	96	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	88	swollen	dry
Pasterns	101	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	113	short	long
Rear udder width	101	narrow	wide
Rear udder height	91	low	high
Susp. ligament	108	weak	strong
Udder depth	91	deep	shallow
Fore udder att.	104	loose	tight
Udder balance	109	staged	inclined
Teat length	85	short	long
Teat thickness	109	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	87	add. teats	clean udder

progeny tested

genomic

Bloomlord

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

aAa **243615**

BLOOMING — GLENN / BEVERLY
15343 7/7 9416 3,98 375 3,30 310
HURAY 448 — **HUCOS**
7/7 8757 4,03 353 3,24 284

Type	Milk	Longevity

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 129** 81%

MILK INDEX (D: 26, H: 22) **MI 120** 88%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1127	-0,25	+25	-0,12	+30

BEEF PERFORMANCE **BI 96** 81%

Daily net gain	Carcass percentage	Carcass grade
100	95	89

FUNCTIONAL TRAITS **FIT 107** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	103	105	112	97	103	99	102	119

Daughter of Bloomlord

LINEAR DESCRIPTION 25 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**115**		
Rump	**119**		
Feet & Legs	**111**		
Udder	**117**		
Final Score	**118**		
Muscling	99	light	heavy
Height at cross	112	small	large
Chest width	106	shallow	deep
Body depth	110	shallow	deep
Backline	124	weak	strong
Rump length	114	short	long
Rump width	119	narrow	wide
Rump angle	110	ascending	sloped
Thurl position	106	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	106	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	115	short	long
Rear udder width	108	narrow	wide
Rear udder height	110	low	high
Susp. ligament	104	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	108	loose	tight
Udder balance	96	staged	inclined
Teat length	93	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	123	wide	close
Teat direction (rear)	121	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Bison

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

aAa **246135**

BISTO — BIVER / FORTEAS
RAFAELA 4/4 8911 4,62 412 3,76 335
ANIBAL RAPUNZE 7/7 10082 3,90 393 3,46 349 — **BLOOMING**

Type	Milk	Calving ease

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 129** 86%

MILK INDEX (D: 71, H: 52) **MI 120** 92%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+882	-0,10	+28	-0,04	+28

BEEF PERFORMANCE **BI 95** 91%

Daily net gain	Carcass percentage	Carcass grade
100	94	87

FUNCTIONAL TRAITS **FIT 106** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	102	110	114	109	100	94	110	121

Haesu, daughter of Bison

LINEAR DESCRIPTION 48 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**118**		
Rump	**116**		
Feet & Legs	**107**		
Udder	**108**		
Final Score	**115**		
Muscling	105	light	heavy
Height at cross	115	small	large
Chest width	112	shallow	deep
Body depth	119	shallow	deep
Backline	94	weak	strong
Rump length	118	short	long
Rump width	118	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	82	swollen	dry
Pasterns	112	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	106	short	long
Rear udder width	114	narrow	wide
Rear udder height	91	low	high
Susp. ligament	109	weak	strong
Udder depth	100	deep	shallow
Fore udder att.	108	loose	tight
Udder balance	104	staged	inclined
Teat length	92	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	91	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Piano

HB No. 10/346165
LOM DE 09 54045718
Born 26.07.2018

aAa **651423**

PIERO
ANIBAL
PIERA

LASVEGAS
5/4 8166 5,13 419 3,79 310

AG VERDI
LORCHE
6/6 8883 4,23 376 3,48 309

PAYSSLI

Milk | **Udder** | **Frame**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 128** 86%

MILK INDEX (D: 57, H: 45) **MI 120** 92%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+932	-0,09	+31	-0,08	+26

BEEF PERFORMANCE **BI 94** 92%

Daily net gain	Carcass percentage	Carcass grade
101	87	88

FUNCTIONAL TRAITS **FIT 106** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	108	110	99	95	101	102	102	116

933, daughter of Piano

LINEAR DESCRIPTION 37 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**117**			
Rump	**102**			
Feet & Legs	**102**			
Udder	**123**			
Final Score	**120**			
Muscling	90	light		heavy
Height at cross	119	small		large
Chest width	108	shallow		deep
Body depth	124	shallow		deep
Backline	90	weak		strong
Rump length	124	short		long
Rump width	96	narrow		wide
Rump angle	84	ascending		sloped
Thurl position	90	in the back		in the centre
Hock angularity	89	straight		sickled
Hock develop.	82	swollen		dry
Pasterns	104	weak		strong
Foot angle	109	low angles		steep angles
Fore udder length	114	short		long
Rear udder width	128	narrow		wide
Rear udder height	114	low		high
Susp. ligament	101	weak		strong
Udder depth	104	deep		shallow
Fore udder att.	116	loose		tight
Udder balance	116	staged		inclined
Teat length	94	short		long
Teat thickness	99	thin		thick
Teat placem. (front)	114	wide		close
Teat placem. (rear)	108	wide		close
Teat direction (rear)	111	outwards		inwards
Udder cleanness	98	add. teats		clean udder

Hanwag

HB No. 10/346400
LOM DE 09 53330702
Born 14.08.2017

AG HALLHOF
HANSL
HELGA

SINA
1/1 7706 4,55 350 4,11 317

VINTAGE
SARINA
6/6 10194 4,03 411 3,77 384

JUBS

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

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 128** 88%

MILK INDEX (D: 113, H: 98) **MI 117** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+851	-0,10	+27	-0,08	+24

BEEF PERFORMANCE **BI 117** 75%

Daily net gain	Carcass percentage	Carcass grade
115	105	104

FUNCTIONAL TRAITS **FIT 107** 83%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
116	100	112	105	106	98	104	106	124

LINEAR DESCRIPTION 61 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**105**			
Rump	**104**			
Feet & Legs	**110**			
Udder	**106**			
Final Score	**108**			
Muscling	113	light		heavy
Height at cross	101	small		large
Chest width	109	shallow		deep
Body depth	114	shallow		deep
Backline	87	weak		strong
Rump length	106	short		long
Rump width	107	narrow		wide
Rump angle	89	ascending		sloped
Thurl position	102	in the back		in the centre
Hock angularity	103	straight		sickled
Hock develop.	100	swollen		dry
Pasterns	97	weak		strong
Foot angle	122	low angles		steep angles
Fore udder length	99	short		long
Rear udder width	95	narrow		wide
Rear udder height	106	low		high
Susp. ligament	110	weak		strong
Udder depth	104	deep		shallow
Fore udder att.	100	loose		tight
Udder balance	113	staged		inclined
Teat length	102	short		long
Teat thickness	104	thin		thick
Teat placem. (front)	86	wide		close
Teat placem. (rear)	103	wide		close
Teat direction (rear)	102	outwards		inwards
Udder cleanness	87	add. teats		clean udder

progeny tested

progeny tested

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 2023) **TMI 127** 91%

MILK INDEX (D: 153, H: 132) **MI 114** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1101	-0,39	+12	-0,16	+26

BEEF PERFORMANCE **BI 115** 82%

Daily net gain	Carcass percentage	Carcass grade
116	97	104

FUNCTIONAL TRAITS **FIT 110** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	102	111	103	103	99	107	119	119

LINEAR DESCRIPTION 83 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**107**								
Rump	**103**								
Feet & Legs	**104**								
Udder	**105**								
Final Score	**107**								
Muscling	109	light							heavy
Height at cross	107	small							large
Chest width	105	shallow							deep
Body depth	110	shallow							deep
Backline	90	weak							strong
Rump length	107	short							long
Rump width	96	narrow							wide
Rump angle	96	ascending							sloped
Thurl position	110	in the back							in the centre
Hock angularity	75	straight							sickled
Hock develop.	79	swollen							dry
Pasterns	108	weak							strong
Foot angle	117	low angles							steep angles
Fore udder length	112	short							long
Rear udder width	104	narrow							wide
Rear udder height	91	low							high
Susp. ligament	96	weak							strong
Udder depth	95	deep							shallow
Fore udder att.	111	loose							tight
Udder balance	113	staged							inclined
Teat length	90	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	102	add. teats							clean udder

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 2023) **TMI 127** 94%

MILK INDEX (D: 427, H: 240) **MI 112** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+20	+0,39	+31	+0,08	+7

BEEF PERFORMANCE **BI 109** 90%

Daily net gain	Carcass percentage	Carcass grade
106	108	106

FUNCTIONAL TRAITS **FIT 114** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
84	113	91	113	94	107	112	102	121

Larissa, daughter of Visor PS

LINEAR DESCRIPTION 255 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**112**								
Rump	**114**								
Feet & Legs	**111**								
Udder	**118**								
Final Score	**119**								
Muscling	120	light							heavy
Height at cross	107	small							large
Chest width	113	shallow							deep
Body depth	108	shallow							deep
Backline	103	weak							strong
Rump length	104	short							long
Rump width	107	narrow							wide
Rump angle	103	ascending							sloped
Thurl position	104	in the back							in the centre
Hock angularity	94	straight							sickled
Hock develop.	85	swollen							dry
Pasterns	118	weak							strong
Foot angle	103	low angles							steep angles
Fore udder length	103	short							long
Rear udder width	108	narrow							wide
Rear udder height	107	low							high
Susp. ligament	112	weak							strong
Udder depth	112	deep							shallow
Fore udder att.	116	loose							tight
Udder balance	111	staged							inclined
Teat length	93	short							long
Teat thickness	87	thin							thick
Teat placem. (front)	105	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	99	outwards							inwards
Udder cleanness	100	add. teats							clean udder

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 2023) **TMI 127** 90%

MILK INDEX (D: 59, H: 57) **MI 109** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+356	-0,08	+8	+0,05	+17

BEEF PERFORMANCE **BI 100** 76%

Daily net gain	Carcass percentage	Carcass grade
101	98	102

FUNCTIONAL TRAITS **FIT 119** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	115	107	115	99	103	113	101	122

Fait, dam of Davinci, 2nd lac.

LINEAR DESCRIPTION 40 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**98**								
Rump	**100**								
Feet & Legs	**109**								
Udder	**118**								
Final Score	**109**								
Muscling	99	light							heavy
Height at cross	105	small							large
Chest width	98	shallow							deep
Body depth	98	shallow							deep
Backline	89	weak							strong
Rump length	105	short							long
Rump width	96	narrow							wide
Rump angle	97	ascending							sloped
Thurl position	94	in the back							in the centre
Hock angularity	96	straight							sickled
Hock develop.	100	swollen							dry
Pasterns	105	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	109	short							long
Rear udder width	111	narrow							wide
Rear udder height	110	low							high
Susp. ligament	95	weak							strong
Udder depth	108	deep							shallow
Fore udder att.	112	loose							tight
Udder balance	94	staged							inclined
Teat length	90	short							long
Teat thickness	104	thin							thick
Teat placem. (front)	113	wide							close
Teat placem. (rear)	109	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	104	add. teats							clean udder

Pirol

HB No. 10/346530
LOM DE 09 53244336
Born 03.04.2018

AG PISA — PIANIST / CLARA

CENTA 6/5 10715 4,02 431 3,54 379 — **AG VOLVO** CELLEST 6/6 8741 4,50 394 3,71 325 — **HURAY**

Type	Milk	Calving ease

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 126** 84%

MILK INDEX (D: 64, H: 56) **MI 120** 93%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1082	-0,21	+27	-0,11	+29

BEEF PERFORMANCE **BI 89** 76%

Daily net gain	Carcass percentage	Carcass grade
91	94	95

FUNCTIONAL TRAITS **FIT 105** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
92	110	91	109	113	101	99	102	115

LINEAR DESCRIPTION 43 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**119**								
Rump	**123**								
Feet & Legs	**113**								
Udder	**122**								
Final Score	**125**								
Muscling	96	light							heavy
Height at cross	120	small							large
Chest width	106	shallow							deep
Body depth	106	shallow							deep
Backline	109	weak							strong
Rump length	125	short							long
Rump width	105	narrow							wide
Rump angle	103	ascending							sloped
Thurl position	118	in the back							in the centre
Hock angularity	98	straight							sickled
Hock develop.	106	swollen							dry
Pasterns	100	weak							strong
Foot angle	103	low angles							steep angles
Fore udder length	117	short							long
Rear udder width	113	narrow							wide
Rear udder height	115	low							high
Susp. ligament	89	weak							strong
Udder depth	113	deep							shallow
Fore udder att.	112	loose							tight
Udder balance	109	staged							inclined
Teat length	101	short							long
Teat thickness	102	thin							thick
Teat placem. (front)	97	wide							close
Teat placem. (rear)	100	wide							close
Teat direction (rear)	97	outwards							inwards
Udder cleanness	108	add. teats							clean udder

progeny tested

progeny tested

Cusco

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

aAa **615243**

AG CASTLE — CADENCE / BIRZLE
ULME 6/6 8229 4,38 360 4,04 332 — **AG VERDI** UTE 5/4 9777 3,59 351 3,56 348 — **GS HUXOY**

Butterfat | **Fertility** | **Milking speed**

A1A2
BB
progeny tested

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

MILK INDEX (D: 220, H: 174) **MI 118** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+612	+0,15	+39	-0,04	+19

BEEF PERFORMANCE **BI 107** 88%

Daily net gain	Carcass percentage	Carcass grade
107	106	100

FUNCTIONAL TRAITS **FIT 106** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
117	97	90	104	91	98	117	95	113

Ulme, dam of Cusco

LINEAR DESCRIPTION 71 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**106**								
Rump	**110**								
Feet & Legs	**107**								
Udder	**104**								
Final Score	**108**								
Muscling	107	light							heavy
Height at cross	102	small							large
Chest width	105	shallow							deep
Body depth	104	shallow							deep
Backline	90	weak							strong
Rump length	103	short							long
Rump width	124	narrow							wide
Rump angle	101	ascending							sloped
Thurl position	98	in the back							in the centre
Hock angularity	96	straight							sickled
Hock develop.	86	swollen							dry
Pasterns	114	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	97	short							long
Rear udder width	118	narrow							wide
Rear udder height	111	low							high
Susp. ligament	108	weak							strong
Udder depth	92	deep							shallow
Fore udder att.	95	loose							tight
Udder balance	79	staged							inclined
Teat length	97	short							long
Teat thickness	120	thin							thick
Teat placem. (front)	100	wide							close
Teat placem. (rear)	106	wide							close
Teat direction (rear)	105	outwards							inwards
Udder cleanness	104	add. teats							clean udder

Vassido

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

aAa **423651**

VASSLI — VASIR / BOUNTY
LANA 6/5 8996 4,60 414 3,96 357 — **JULENG** LAURA 6/6 9780 4,18 409 3,87 378 — **JOEL**

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

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 124** 85%

MILK INDEX (D: 44, H: 38) **MI 117** 92%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+369	+0,18	+30	+0,09	+21

BEEF PERFORMANCE **BI 98** 85%

Daily net gain	Carcass percentage	Carcass grade
103	93	94

FUNCTIONAL TRAITS **FIT 103** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	111	107	107	94	113	90	93	122

Rita, daughter of Vassido

LINEAR DESCRIPTION 28 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**122**								
Rump	**120**								
Feet & Legs	**105**								
Udder	**118**								
Final Score	**121**								
Muscling	111	light							heavy
Height at cross	114	small							large
Chest width	118	shallow							deep
Body depth	123	shallow							deep
Backline	103	weak							strong
Rump length	122	short							long
Rump width	115	narrow							wide
Rump angle	88	ascending							sloped
Thurl position	110	in the back							in the centre
Hock angularity	102	straight							sickled
Hock develop.	97	swollen							dry
Pasterns	108	weak							strong
Foot angle	109	low angles							steep angles
Fore udder length	99	short							long
Rear udder width	98	narrow							wide
Rear udder height	114	low							high
Susp. ligament	103	weak							strong
Udder depth	116	deep							shallow
Fore udder att.	122	loose							tight
Udder balance	110	staged							inclined
Teat length	102	short							long
Teat thickness	91	thin							thick
Teat placem. (front)	93	wide							close
Teat placem. (rear)	103	wide							close
Teat direction (rear)	97	outwards							inwards
Udder cleanness	89	add. teats							clean udder

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 124** 91%

MILK INDEX (D: 162, H: 142) **MI 115** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+534	+0,17	+36	-0,08	+13

BEEF PERFORMANCE **BI 93** 83%

Daily net gain	Carcass percentage	Carcass grade
97	97	92

FUNCTIONAL TRAITS **FIT 107** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	102	104	109	109	103	102	107	122

Berta, daughter of Varianz

LINEAR DESCRIPTION 71 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**106**								
Rump	**115**								
Feet & Legs	**106**								
Udder	**120**								
Final Score	**116**								
Muscling	96	light							heavy
Height at cross	113	small							large
Chest width	100	shallow							deep
Body depth	101	shallow							deep
Backline	99	weak							strong
Rump length	118	short							long
Rump width	101	narrow							wide
Rump angle	100	ascending							sloped
Thurl position	115	in the back							in the centre
Hock angularity	94	straight							sickled
Hock develop.	88	swollen							dry
Pasterns	104	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	115	short							long
Rear udder width	95	narrow							wide
Rear udder height	114	low							high
Susp. ligament	109	weak							strong
Udder depth	118	deep							shallow
Fore udder att.	107	loose							tight
Udder balance	109	staged							inclined
Teat length	107	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	102	wide							close
Teat placem. (rear)	110	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	105	add. teats							clean udder

Alpsee

HB No. 10/346390
LOM DE 09 53369936
Born 01.10.2017

aAa **243165**

AMOR — ANIBAL / DEBORA
HOLDE 6/6 10073 4,83 486 3,50 353 — **AG PUCK** HELENE 1/1 7355 4,20 309 3,77 277 — **BIG**

Type | **Fitness** | **Milk**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 123** 94%

MILK INDEX (D: 513, H: 370) **MI 111** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+804	-0,24	+14	-0,14	+17

BEEF PERFORMANCE **BI 83** 92%

Daily net gain	Carcass percentage	Carcass grade
93	85	79

FUNCTIONAL TRAITS **FIT 113** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
93	114	128	116	93	84	97	105	118

Tanne, daughter of Alpsee

LINEAR DESCRIPTION 206 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**107**								
Rump	**112**								
Feet & Legs	**113**								
Udder	**113**								
Final Score	**114**								
Muscling	90	light							heavy
Height at cross	108	small							large
Chest width	103	shallow							deep
Body depth	104	shallow							deep
Backline	106	weak							strong
Rump length	103	short							long
Rump width	102	narrow							wide
Rump angle	120	ascending							sloped
Thurl position	101	in the back							in the centre
Hock angularity	100	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	118	weak							strong
Foot angle	115	low angles							steep angles
Fore udder length	105	short							long
Rear udder width	107	narrow							wide
Rear udder height	119	low							high
Susp. ligament	93	weak							strong
Udder depth	109	deep							shallow
Fore udder att.	97	loose							tight
Udder balance	106	staged							inclined
Teat length	105	short							long
Teat thickness	93	thin							thick
Teat placem. (front)	105	wide							close
Teat placem. (rear)	99	wide							close
Teat direction (rear)	101	outwards							inwards
Udder cleanness	100	add. teats							clean udder

progeny tested

progeny tested

Senegal

HB No. 10/346480
LOM DE 09 53730541
Born 29.01.2018

GS SINATRA
SEASIDEBLOOM
RIANA

CONNI
8/7 8303 4,78 397 3,79 315
HEGALL
CONNI

AYTRA

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

A1A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 122** 89%

MILK INDEX (D: 199, H: 162) **MI 119** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+942	-0,06	+35	-0,11	+24

BEEF PERFORMANCE **BI 95** 83%

Daily net gain	Carcass percentage	Carcass grade
96	96	101

FUNCTIONAL TRAITS **FIT 99** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	104	103	103	102	107	90	99	119

Linguin, daughter of Senegal

LINEAR DESCRIPTION 70 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Rump	**103**		
Feet & Legs	**105**		
Udder	**115**		
Final Score	**110**		
Muscling	95	light	heavy
Height at cross	95	small	large
Chest width	99	shallow	deep
Body depth	104	shallow	deep
Backline	98	weak	strong
Rump length	101	short	long
Rump width	97	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	96	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	94	short	long
Rear udder width	107	narrow	wide
Rear udder height	117	low	high
Susp. ligament	103	weak	strong
Udder depth	111	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	102	staged	inclined
Teat length	95	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	94	wide	close
Teat placem. (rear)	94	wide	close
Teat direction (rear)	89	outwards	inwards
Udder cleanness	98	add. teats	clean udder

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

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 122** 92%

MILK INDEX (D: 134, H: 116) **MI 118** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+521	+0,01	+23	+0,09	+26

BEEF PERFORMANCE **BI 85** 80%

Daily net gain	Carcass percentage	Carcass grade
92	90	84

FUNCTIONAL TRAITS **FIT 102** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	105	99	100	95	115	101	93	116

Daughter of Helix

LINEAR DESCRIPTION 84 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Rump	**102**		
Feet & Legs	**112**		
Udder	**126**		
Final Score	**121**		
Muscling	94	light	heavy
Height at cross	105	small	large
Chest width	103	shallow	deep
Body depth	102	shallow	deep
Backline	103	weak	strong
Rump length	113	short	long
Rump width	118	narrow	wide
Rump angle	85	ascending	sloped
Thurl position	92	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	114	swollen	dry
Pasterns	104	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	101	short	long
Rear udder width	107	narrow	wide
Rear udder height	121	low	high
Susp. ligament	115	weak	strong
Udder depth	123	deep	shallow
Fore udder att.	117	loose	tight
Udder balance	115	staged	inclined
Teat length	105	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	114	outwards	inwards
Udder cleanness	83	add. teats	clean udder

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 — **VASIR** 5/5 11912 3,95 470 3,39 404

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 121** 91%

MILK INDEX (D: 109, H: 98) **MI 112** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+478	+0,02	+21	-0,03	+15

BEEF PERFORMANCE **BI 99** 80%

Daily net gain	Carcass percentage	Carcass grade
98	106	97

FUNCTIONAL TRAITS **FIT 107** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	102	106	115	103	107	99	98	121

Natalie, daughter of Jakarta

LINEAR DESCRIPTION 61 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Rump	**106**		
Feet & Legs	**107**		
Udder	**113**		
Final Score	**112**		
Muscling	117	light	heavy
Height at cross	95	small	large
Chest width	110	shallow	deep
Body depth	107	shallow	deep
Backline	97	weak	strong
Rump length	103	short	long
Rump width	99	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	86	swollen	dry
Pasterns	111	weak	strong
Foot angle	99	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	99	narrow	wide
Rear udder height	102	low	high
Susp. ligament	105	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	107	loose	tight
Udder balance	112	staged	inclined
Teat length	95	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	120	wide	close
Teat direction (rear)	116	outwards	inwards
Udder cleanness	101	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 2023) **TMI 120** 91%

MILK INDEX (D: 146, H: 88) **MI 112** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+556	+0,01	+24	-0,08	+13

BEEF PERFORMANCE **BI 108** 87%

Daily net gain	Carcass percentage	Carcass grade
106	106	101

FUNCTIONAL TRAITS **FIT 105** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
92	109	92	102	103	106	106	95	115

LINEAR DESCRIPTION 78 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Rump	**106**		
Feet & Legs	**110**		
Udder	**117**		
Final Score	**113**		
Muscling	98	light	heavy
Height at cross	97	small	large
Chest width	103	shallow	deep
Body depth	100	shallow	deep
Backline	99	weak	strong
Rump length	100	short	long
Rump width	97	narrow	wide
Rump angle	96	ascending	sloped
Thurl position	108	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	102	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	98	short	long
Rear udder width	99	narrow	wide
Rear udder height	104	low	high
Susp. ligament	111	weak	strong
Udder depth	111	deep	shallow
Fore udder att.	112	loose	tight
Udder balance	106	staged	inclined
Teat length	94	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	98	add. teats	clean udder

progeny tested

progeny tested

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 — **PRESIDENT (D)**
4/4 9414 4,32 407 3,48 328

Milk | **Rump** | **Cow family**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 117** 99%

MILK INDEX (D: 5195, H: 2015) **MI 117** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+644	-0,02	+26	+0,00	+23

BEEF PERFORMANCE **BI 99** 98%

Daily net gain	Carcass percentage	Carcass grade
97	99	105

FUNCTIONAL TRAITS **FIT 94** 99%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	99	102	97	103	101	90	104	111

Corinna, daughter of Vintage

LINEAR DESCRIPTION 1166 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**98**			
Rump	**110**			
Feet & Legs	**103**			
Udder	**103**			
Final Score	**103**			
Muscling	101	light		heavy
Height at cross	96	small		large
Chest width	93	shallow		deep
Body depth	96	shallow		deep
Backline	107	weak		strong
Rump length	107	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	103	weak		strong
Foot angle	114	low angles		steep angles
Fore udder length	100	short		long
Rear udder width	93	narrow		wide
Rear udder height	100	low		high
Susp. ligament	108	weak		strong
Udder depth	100	deep		shallow
Fore udder att.	96	loose		tight
Udder balance	93	staged		inclined
Teat length	87	short		long
Teat thickness	106	thin		thick
Teat placem. (front)	101	wide		close
Teat placem. (rear)	102	wide		close
Teat direction (rear)	101	outwards		inwards
Udder cleanness	95	add. teats		clean udder

Vortex

HB No. 10/435389
LOM DE 08 16674521
Born 17.07.2017

VANPAY — AG VANPARI / LORELEY
FINNI 2/2 10988 4,48 492 3,83 421 — **GS HUXOY** / FRAENZI — **HURAY**

Udder | **Feet & Legs** | **Fitness**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 115** 91%

MILK INDEX (D: 164, H: 100) **MI 104** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+429	-0,24	-1	-0,07	+10

BEEF PERFORMANCE **BI 91** 89%

Daily net gain	Carcass percentage	Carcass grade
96	99	86

FUNCTIONAL TRAITS **FIT 112** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	100	102	122	105	103	106	107	115

Fini, dam of Vortex

LINEAR DESCRIPTION 93 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**101**			
Rump	**96**			
Feet & Legs	**113**			
Udder	**121**			
Final Score	**113**			
Muscling	79	light		heavy
Height at cross	110	small		large
Chest width	87	shallow		deep
Body depth	92	shallow		deep
Backline	117	weak		strong
Rump length	100	short		long
Rump width	91	narrow		wide
Rump angle	101	ascending		sloped
Thurl position	100	in the back		in the centre
Hock angularity	90	straight		sickled
Hock develop.	104	swollen		dry
Pasterns	111	weak		strong
Foot angle	104	low angles		steep angles
Fore udder length	95	short		long
Rear udder width	96	narrow		wide
Rear udder height	123	low		high
Susp. ligament	102	weak		strong
Udder depth	128	deep		shallow
Fore udder att.	98	loose		tight
Udder balance	108	staged		inclined
Teat length	94	short		long
Teat thickness	86	thin		thick
Teat placem. (front)	103	wide		close
Teat placem. (rear)	101	wide		close
Teat direction (rear)	96	outwards		inwards
Udder cleanness	103	add. teats		clean udder

Bloomberg

HB No. 10/346045
LOM DE 09 52587549
Born 23.10.2017

aAa **243615**

BLOOMING — GLENN / BEVERLY
REHPRO 9/8 10966 4,34 476 3,73 409 — **PROHUVO** REHLEIN 6/6 8308 4,15 345 3,83 318 — **HUCOS**

Type	Fitness	Longevity

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 112** 88%

MILK INDEX (D: 129, H: 92) **MI 104** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+538	-0,34	-5	-0,06	+14

BEEF PERFORMANCE **BI 90** 81%

Daily net gain	Carcass percentage	Carcass grade
95	98	85

FUNCTIONAL TRAITS **FIT 108** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	92	107	119	96	105	104	104	114

944, daughter of Bloomberg

LINEAR DESCRIPTION 60 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**112**								
Rump	**122**								
Feet & Legs	**116**								
Udder	**116**								
Final Score	**118**								
Muscling	104	light							heavy
Height at cross	111	small							large
Chest width	111	shallow							deep
Body depth	108	shallow							deep
Backline	104	weak							strong
Rump length	113	short							long
Rump width	121	narrow							wide
Rump angle	108	ascending							sloped
Thurl position	108	in the back							in the centre
Hock angularity	98	straight							sickled
Hock develop.	112	swollen							dry
Pasterns	105	weak							strong
Foot angle	108	low angles							steep angles
Fore udder length	109	short							long
Rear udder width	103	narrow							wide
Rear udder height	103	low							high
Susp. ligament	104	weak							strong
Udder depth	104	deep							shallow
Fore udder att.	110	loose							tight
Udder balance	105	staged							inclined
Teat length	85	short							long
Teat thickness	80	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	113	wide							close
Teat direction (rear)	115	outwards							inwards
Udder cleanness	96	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 2023) **TMI 111** 97%

MILK INDEX (D: 1078, H: 499) **MI 108** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+94	+0,17	+17	+0,07	+9

BEEF PERFORMANCE **BI 94** 96%

Daily net gain	Carcass percentage	Carcass grade
98	102	82

FUNCTIONAL TRAITS **FIT 101** 96%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	97	121	99	93	93	97	110	112

Leonie, daughter of Antonov

LINEAR DESCRIPTION 764 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**117**								
Rump	**108**								
Feet & Legs	**111**								
Udder	**114**								
Final Score	**117**								
Muscling	88	light							heavy
Height at cross	128	small							large
Chest width	97	shallow							deep
Body depth	115	shallow							deep
Backline	121	weak							strong
Rump length	119	short							long
Rump width	96	narrow							wide
Rump angle	103	ascending							sloped
Thurl position	102	in the back							in the centre
Hock angularity	95	straight							sickled
Hock develop.	95	swollen							dry
Pasterns	110	weak							strong
Foot angle	125	low angles							steep angles
Fore udder length	102	short							long
Rear udder width	96	narrow							wide
Rear udder height	121	low							high
Susp. ligament	94	weak							strong
Udder depth	113	deep							shallow
Fore udder att.	105	loose							tight
Udder balance	103	staged							inclined
Teat length	89	short							long
Teat thickness	97	thin							thick
Teat placem. (front)	119	wide							close
Teat placem. (rear)	103	wide							close
Teat direction (rear)	100	outwards							inwards
Udder cleanness	104	add. teats							clean udder

progeny tested

progeny tested

Casanova

HB No. 10/435402
LOM DE 08 16820676
Born 02.12.2017

aAa **216435**

CADENCE — BROOKINGS / BUFFY
MARION 3/2 9236 3,90 360 3,51 325 — **GS HUVI** 603 7/7 9030 4,18 378 3,66 330 — **PAYSSLI**

Udder	Persistency	Frame
	A1A2	BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 110** 94%

MILK INDEX (D: 578, H: 307) **MI 109** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+725	-0,27	+8	-0,12	+16

BEEF PERFORMANCE **BI 86** 96%

Daily net gain	Carcass percentage	Carcass grade
95	86	85

FUNCTIONAL TRAITS **FIT 101** 91%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	101	112	100	102	102	101	86	111

Toni, daughter of Casanova

LINEAR DESCRIPTION 249 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**113**			
Rump	**105**			
Feet & Legs	**97**			
Udder	**123**			
Final Score	**115**			
Muscling	96	light		heavy
Height at cross	124	small		large
Chest width	103	shallow		deep
Body depth	112	shallow		deep
Backline	99	weak		strong
Rump length	115	short		long
Rump width	116	narrow		wide
Rump angle	90	ascending		sloped
Thurl position	85	in the back		in the centre
Hock angularity	101	straight		sickled
Hock develop.	99	swollen		dry
Pasterns	88	weak		strong
Foot angle	112	low angles		steep angles
Fore udder length	92	short		long
Rear udder width	99	narrow		wide
Rear udder height	115	low		high
Susp. ligament	112	weak		strong
Udder depth	119	deep		shallow
Fore udder att.	111	loose		tight
Udder balance	106	staged		inclined
Teat length	106	short		long
Teat thickness	111	thin		thick
Teat placem. (front)	100	wide		close
Teat placem. (rear)	102	wide		close
Teat direction (rear)	109	outwards		inwards
Udder cleanness	94	add. teats		clean udder

Dixiboy

HB No. 10/608740
LOM AT 34 6666 368
Born 29.09.2017

aAa **264153**

DAREDEVIL — BRADY / DIXILAND
FEUER 2/1 6624 4,21 279 3,80 252 — **SALOMON** FUNKE 7/6 7293 3,78 276 3,23 236 — **VIGOR**

Udder	Frame	Udder depth
	A2A2	BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2023) **TMI 110** 91%

MILK INDEX (D: 233, H: 185) **MI 109** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+439	-0,08	+12	-0,03	+14

BEEF PERFORMANCE **BI 107** 86%

Daily net gain	Carcass percentage	Carcass grade
108	104	95

FUNCTIONAL TRAITS **FIT 98** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
91	103	101	101	106	100	93	101	110

Feuer, dam of Dixiboy

LINEAR DESCRIPTION 97 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**114**			
Rump	**107**			
Feet & Legs	**94**			
Udder	**129**			
Final Score	**120**			
Muscling	90	light		heavy
Height at cross	123	small		large
Chest width	111	shallow		deep
Body depth	104	shallow		deep
Backline	103	weak		strong
Rump length	114	short		long
Rump width	104	narrow		wide
Rump angle	97	ascending		sloped
Thurl position	95	in the back		in the centre
Hock angularity	83	straight		sickled
Hock develop.	92	swollen		dry
Pasterns	110	weak		strong
Foot angle	98	low angles		steep angles
Fore udder length	106	short		long
Rear udder width	103	narrow		wide
Rear udder height	129	low		high
Susp. ligament	108	weak		strong
Udder depth	132	deep		shallow
Fore udder att.	118	loose		tight
Udder balance	115	staged		inclined
Teat length	102	short		long
Teat thickness	88	thin		thick
Teat placem. (front)	110	wide		close
Teat placem. (rear)	117	wide		close
Teat direction (rear)	111	outwards		inwards
Udder cleanness	108	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
23	Alpsee	AB	A2A2	243165	**123**	118	111	+804	-0,24	-0,14	31	83	113	93	107	112	113	113	114		x	x	
27	Antonov	BB	A2A2	246135	**111**	112	108	+94	0,17	0,07	26	94	101	93	117	108	111	114	117	x			
18	Bison	AB	A2A2	246135	**129**	121	120	+882	-0,10	-0,04	56	95	106	109	118	116	107	108	115	x	x	x	x
27	Bloomberg	BB	A2A2	243615	**112**	114	104	+538	-0,34	-0,06	9	90	108	96	112	122	116	116	118		x	x	x
18	Bloomlord	BB	A2A2	243615	**129**	119	120	+1127	-0,25	-0,12	55	96	107	97	115	119	111	117	118		x	x	
13	Canyon	BB	A2A2	642513	**133**	130	114	+1034	-0,44	-0,08	36	108	116	102	101	100	107	117	111		x	x	x
28	Casanova	BB	A1A2	216435	**110**	111	109	+725	-0,27	-0,12	24	86	101	102	113	105	97	123	115		x		
22	Cusco	BB	A1A2	615243	**126**	113	118	+612	0,15	-0,04	58	107	106	91	106	110	107	104	108	x			
21	Davinci	BB	A1A2	423615	**127**	122	109	+356	-0,08	0,05	25	100	119	99	98	100	109	118	109	x			
28	Dixiboy	BB	A2A2	264153	**110**	110	109	+439	-0,08	-0,03	26	107	98	106	114	107	94	129	120	x			
8	Habitus	BB	A2A2		**139**	120	127	+1300	-0,18	-0,07	79	107	106	90	94	93	98	105	98		x		
20	Hallodri	BB	A2A2		**127**	119	114	+1101	-0,39	-0,16	38	115	110	103	107	103	104	105	107		x		
16	Hamburg	BB	A2A2	534612	**130**	119	109	+540	-0,12	-0,08	26	109	122	102	86	95	101	107	98	x			
19	Hanwag	AB	A2A2		**128**	124	117	+851	-0,10	-0,08	51	117	107	106	105	104	110	106	108				x
9	Hebron	BB	A2A2	654123	**137**	122	122	+368	0,37	0,12	68	83	111	101	84	81	111	111	99				
17	Heimo	BB	A2A2		**129**	119	123	+1251	-0,25	-0,11	65	81	103	95	104	102	115	119	115		x		x
16	Helau	AB	A2A2		**130**	122	120	+178	0,43	0,17	61	86	109	108	96	97	113	117	110	x		x	
24	Helix	BB	A2A2		**122**	116	118	+521	0,01	0,09	49	85	102	95	107	102	112	126	121	x	x	x	
15	Hudson	AA	A1A1	615243	**131**	121	113	+650	-0,19	-0,01	35	101	118	109	103	99	104	99	102		x		
8	Husold	AB			**142**	129	117	+819	-0,15	-0,04	47	110	123	106	97	97	106	105	103	x	x	x	
25	Huvega	BB	A2A2		**120**	115	112	+556	0,01	-0,08	37	108	105	103	100	106	110	117	113	x			
11	Ifendi	BB	A2A2		**135**	119	125	+685	0,00	0,17	69	100	105	102	112	112	100	92	104	x			
25	Jakarta	BB	A2A2	561423	**121**	121	112	+478	0,02	-0,03	36	99	107	103	103	106	107	113	112	x	x	x	
19	Piano	BB	A2A2	651423	**128**	116	120	+932	-0,09	-0,08	57	94	106	95	117	102	102	123	120		x	x	
21	Pirol	BB	A2A2		**126**	115	120	+1082	-0,21	-0,11	56	89	105	113	119	123	113	122	125		x		
12	Pukari	BB	A2A2	516432	**133**	122	121	+883	-0,07	-0,02	62	109	107	104	99	99	105	107	104	x	x	x	x
10	Sansibar	BB	A2A2		**136**	126	121	+875	-0,10	-0,01	58	90	118	94	113	119	112	116	120	x	x	x	
24	Senegal	AB	A1A2		**122**	119	119	+942	-0,06	-0,11	59	95	99	102	102	103	105	115	110		x		
14	Sidence	BB	A2A2	234165	**131**	121	117	+933	-0,18	-0,09	49	102	113	100	104	100	104	104	105		x		
14	Valid	BB	A2A2	426351	**132**	127	118	+526	0,18	-0,01	55	104	113	97	114	106	114	116	116				
9	Valor	BB	A2A2		**138**	127	128	+1211	-0,03	-0,09	84	104	104	99	118	113	108	109	114		x	x	x
23	Varianz	BB	A2A2		**124**	122	115	+534	0,17	-0,08	49	93	107	109	106	115	106	120	116	x		x	x
10	Vasary	BB	A2A2	516342	**135**	121	126	+742	0,26	0,00	80	103	106	103	113	114	109	108	113	x	x	x	x
12	Vaselino	BB	A2A2	423516	**133**	125	126	+884	0,22	-0,09	81	94	103	101	108	109	117	112	114		x	x	
11	Vasmor	AB	A2A2	342516	**134**	122	119	+599	0,16	-0,02	58	95	114	111	105	94	98	110	106	x			
22	Vassido	AB	A2A2	423651	**124**	122	117	+369	0,18	0,09	51	98	103	94	122	120	105	118	121	x		x	
13	Vavio	BB	A2A2		**133**	125	115	+808	-0,21	-0,04	42	108	115	101	108	92	103	112	109		x	x	
15	Verdi	BB	A2A2	546312	**131**	113	114	+87	0,22	0,19	39	90	116	92	95	100	102	101	99	x			
26	Vintage	AB	A2A2	234165	**117**	111	117	+644	-0,02	0,00	49	99	94	103	98	110	103	103	103	x		x	x
17	Vip	AB	A2A2	351426	**129**	119	120	+1011	-0,16	-0,08	57	113	103	91	90	104	102	108	100		x		
20	Visor P*S	AB	A1A1	615243	**127**	121	112	+20	0,39	0,08	38	109	114	94	112	114	111	118	119	x			
26	Vortex	BB	A2A2		**115**	115	104	+429	-0,24	-0,07	9	91	112	105	101	96	113	121	113			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

genomic

Chagall

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

aAa **645213**

CANYON — CADURA / LIESE
BJALLA 2/1 7729 3,82 295 3,39 262 — **SEASIDEBLOOM** BRITT 5/5 8967 3,68 330 3,33 299 — **VASIR**

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

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 145** 77%

MILK INDEX **MI 130** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1396	-0,18	+43	-0,10	+41

BEEF PERFORMANCE **BI 107** 69%

Daily net gain	Carcass percentage	Carcass grade
107	102	98

FUNCTIONAL TRAITS **FIT 114** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
113	102	123	118	101	103	104	99	136

Bjalla, dam of Chagall

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**97**		
Rump	**99**		
Feet & Legs	**108**		
Udder	**118**		
Final Score	**111**		
Muscling	87	light	heavy
Height at cross	105	small	large
Chest width	93	shallow	deep
Body depth	100	shallow	deep
Backline	87	weak	strong
Rump length	100	short	long
Rump width	78	narrow	wide
Rump angle	102	ascending	sloped
Thurl position	111	in the back	in the centre
Hock angularity	90	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	108	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	116	short	long
Rear udder width	118	narrow	wide
Rear udder height	116	low	high
Susp. ligament	98	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	110	staged	inclined
Teat length	95	short	long
Teat thickness	115	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	98	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Dancer

HB No. 10/347420
LOM DE 09 56663232
Born 08.06.2021

aAa **561432**

DANE — CADENCE / ALIBABA DAVO
LIAMINA 2/1 9920 4,56 452 4,02 399 — **ANTONOV** LIAMARA 5/5 12976 3,80 493 3,74 486 — **AG VERDI**

Protein | **Persistency** | **Vitality**

A2A2
BB
genomic

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

MILK INDEX **MI 130** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+990	-0,08	+35	+0,11	+46

BEEF PERFORMANCE **BI 98** 62%

Daily net gain	Carcass percentage	Carcass grade
101	96	93

FUNCTIONAL TRAITS **FIT 114** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	108	115	104	108	107	107	113	130

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Rump	**98**		
Feet & Legs	**101**		
Udder	**111**		
Final Score	**108**		
Muscling	97	light	heavy
Height at cross	107	small	large
Chest width	102	shallow	deep
Body depth	108	shallow	deep
Backline	101	weak	strong
Rump length	104	short	long
Rump width	101	narrow	wide
Rump angle	85	ascending	sloped
Thurl position	94	in the back	in the centre
Hock angularity	92	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	89	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	110	narrow	wide
Rear udder height	105	low	high
Susp. ligament	109	weak	strong
Udder depth	105	deep	shallow
Fore udder att.	111	loose	tight
Udder balance	101	staged	inclined
Teat length	113	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	94	outwards	inwards
Udder cleanness	103	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Vpower

HB No. 10/347390
LOM DE 09 56046564
Born 17.06.2021

aAa **426351**

AG VASELINO
VASSLI
1304

1041
2/1 8199 4,22 346 3,44 282

AG DAIMLER
916
5/5 9597 4,11 394 3,55 341

JULENG

Butterfat	Type	Milk

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 144** 74%

MILK INDEX **MI 135** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1153	+0,12	+59	-0,01	+41

BEEF PERFORMANCE **BI 101** 62%

Daily net gain	Carcass percentage	Carcass grade
104	97	93

FUNCTIONAL TRAITS **FIT 104** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	112	95	106	96	108	91	110	129

1041, dam of Vpower

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Rump	**115**		
Feet & Legs	**113**		
Udder	**112**		
Final Score	**116**		
Muscling	94	light	heavy
Height at cross	115	small	large
Chest width	106	shallow	deep
Body depth	114	shallow	deep
Backline	90	weak	strong
Rump length	122	short	long
Rump width	112	narrow	wide
Rump angle	99	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	114	swollen	dry
Pasterns	104	weak	strong
Foot angle	117	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	105	narrow	wide
Rear udder height	113	low	high
Susp. ligament	113	weak	strong
Udder depth	100	deep	shallow
Fore udder att.	107	loose	tight
Udder balance	110	staged	inclined
Teat length	106	short	long
Teat thickness	110	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Albany

HB No. 10/435472
LOM DE 08 17331926
Born 04.11.2019

aAa **426351**

AMORIE
AMOR
IRMA

3/3 11099 4,19 465 3,63 403

AG HEBRON
6/6 8924 4,04 361 3,64 325

GS HUXOY

Milk	Fitness	Feet & legs

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 144** 76%

MILK INDEX **MI 127** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1387	-0,21	+39	-0,14	+37

BEEF PERFORMANCE **BI 94** 64%

Daily net gain	Carcass percentage	Carcass grade
99	93	91

FUNCTIONAL TRAITS **FIT 116** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	114	115	114	98	109	101	108	133

Inka, dam of Albany

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**93**		
Rump	**95**		
Feet & Legs	**114**		
Udder	**110**		
Final Score	**105**		
Muscling	87	light	heavy
Height at cross	93	small	large
Chest width	97	shallow	deep
Body depth	98	shallow	deep
Backline	90	weak	strong
Rump length	95	short	long
Rump width	102	narrow	wide
Rump angle	102	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	104	weak	strong
Foot angle	117	low angles	steep angles
Fore udder length	110	short	long
Rear udder width	107	narrow	wide
Rear udder height	109	low	high
Susp. ligament	105	weak	strong
Udder depth	98	deep	shallow
Fore udder att.	97	loose	tight
Udder balance	95	staged	inclined
Teat length	97	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	98	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	97	add. teats	clean udder

genomic

genomic

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 | **Longevity** | **Milking speed**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 143** 76%

MILK INDEX **MI 130** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1203	-0,02	+49	-0,07	+37

BEEF PERFORMANCE **BI 98** 63%

Daily net gain	Carcass percentage	Carcass grade
103	90	97

FUNCTIONAL TRAITS **FIT 110** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
115	106	113	116	105	94	97	110	129

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**106**								
Rump	**102**								
Feet & Legs	**108**								
Udder	**108**								
Final Score	**109**								
Muscling	112	light							heavy
Height at cross	94	small							large
Chest width	110	shallow							deep
Body depth	112	shallow							deep
Backline	91	weak							strong
Rump length	108	short							long
Rump width	113	narrow							wide
Rump angle	92	ascending							sloped
Thurl position	100	in the back							in the centre
Hock angularity	100	straight							sickled
Hock develop.	95	swollen							dry
Pasterns	109	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	115	short							long
Rear udder width	106	narrow							wide
Rear udder height	102	low							high
Susp. ligament	110	weak							strong
Udder depth	95	deep							shallow
Fore udder att.	108	loose							tight
Udder balance	118	staged							inclined
Teat length	113	short							long
Teat thickness	95	thin							thick
Teat placem. (front)	106	wide							close
Teat placem. (rear)	96	wide							close
Teat direction (rear)	87	outwards							inwards
Udder cleanness	99	add. teats							clean udder

Bugatti

HB No. 10/357008
LOM DE 09 56722605
Born 26.01.2022

AG BISON
BISTO
RAFAELA
TRIXI
3/1 7556 4,70 355 3,53 267
VIPRO Pp*
TINA
VISCONTI
5/4,3 9005 4,14 373 3,52 317

Components | **Longevity** | **Vitality**

A2A2
AB
genomic

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

MILK INDEX **MI 127** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+869	+0,02	+38	+0,05	+36

BEEF PERFORMANCE **BI 93** 62%

Daily net gain	Carcass percentage	Carcass grade
96	96	90

FUNCTIONAL TRAITS **FIT 116** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	105	108	119	106	103	104	116	130

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**108**								
Rump	**106**								
Feet & Legs	**108**								
Udder	**106**								
Final Score	**108**								
Muscling	94	light							heavy
Height at cross	113	small							large
Chest width	100	shallow							deep
Body depth	111	shallow							deep
Backline	100	weak							strong
Rump length	107	short							long
Rump width	102	narrow							wide
Rump angle	92	ascending							sloped
Thurl position	101	in the back							in the centre
Hock angularity	93	straight							sickled
Hock develop.	91	swollen							dry
Pasterns	107	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	110	short							long
Rear udder width	111	narrow							wide
Rear udder height	99	low							high
Susp. ligament	97	weak							strong
Udder depth	98	deep							shallow
Fore udder att.	106	loose							tight
Udder balance	95	staged							inclined
Teat length	99	short							long
Teat thickness	107	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	105	wide							close
Teat direction (rear)	95	outwards							inwards
Udder cleanness	103	add. teats							clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Vassos

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

AG VASSRI
VASSLI
RIKI

85437
4/3 9420 3,79 357 3,63 342

GS HUXOY
676
4/4 9694 4,43 430 3,77 366

HARLEY

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

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 143** 72%

MILK INDEX **MI 125** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1198	-0,19	+34	-0,07	+37

BEEF PERFORMANCE **BI 96** 61%

Daily net gain	Carcass percentage	Carcass grade
98	99	96

FUNCTIONAL TRAITS **FIT 119** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	107	117	113	113	97	109	123	132

766, dam of Vassos

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Rump	**104**		
Feet & Legs	**106**		
Udder	**105**		
Final Score	**103**		
Muscling	98	light	heavy
Height at cross	98	small	large
Chest width	97	shallow	deep
Body depth	101	shallow	deep
Backline	97	weak	strong
Rump length	100	short	long
Rump width	95	narrow	wide
Rump angle	101	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	99	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	102	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	99	short	long
Rear udder width	106	narrow	wide
Rear udder height	105	low	high
Susp. ligament	99	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	108	loose	tight
Udder balance	91	staged	inclined
Teat length	102	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	86	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Visalia

HB No. 10/435551
LOM DE 08 18061538
Born 15.12.2021

aAa **432561**

VIRUS Pp*
VIPRO Pp*
WESLEY

ALMA
1/1 7559 4,29 324 3,76 284

VOLKER
AMELDA
7/6 9119 4,15 379 3,90 355

JULAU

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

A1A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 143** 71%

MILK INDEX **MI 121** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+766	+0,02	+34	-0,01	+27

BEEF PERFORMANCE **BI 106** 57%

Daily net gain	Carcass percentage	Carcass grade
107	97	101

FUNCTIONAL TRAITS **FIT 124** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	107	110	120	104	111	117	114	139

Amelda, grand dam of Visalia

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Rump	**106**		
Feet & Legs	**113**		
Udder	**118**		
Final Score	**114**		
Muscling	108	light	heavy
Height at cross	102	small	large
Chest width	102	shallow	deep
Body depth	104	shallow	deep
Backline	99	weak	strong
Rump length	111	short	long
Rump width	113	narrow	wide
Rump angle	89	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	116	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	104	narrow	wide
Rear udder height	110	low	high
Susp. ligament	106	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	119	loose	tight
Udder balance	115	staged	inclined
Teat length	104	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	99	add. teats	clean udder

genomic

Dior

HB No. 10/346445
LOM DE 09 55542342
Born 18.08.2020

aAa **423615**

DANE — CADENCE / ALIBABA DAVO
SITA 2/1 9129 4,87 445 3,52 321 — **VASSLI** SASKIA 4/4 8606 4,52 389 3,74 322 — **ANIBAL**

Milk	Udder health	Udder

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 142** 76%

MILK INDEX **MI 130** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1161	-0,03	+46	-0,02	+40

BEEF PERFORMANCE **BI 104** 66%

Daily net gain	Carcass percentage	Carcass grade
105	100	98

FUNCTIONAL TRAITS **FIT 109** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	113	106	105	105	105	100	106	127

Dam of Dior, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**108**								
Rump	**100**								
Feet & Legs	**107**								
Udder	**108**								
Final Score	**109**								
Muscling	103	light							heavy
Height at cross	104	small							large
Chest width	104	shallow							deep
Body depth	112	shallow							deep
Backline	92	weak							strong
Rump length	106	short							long
Rump width	109	narrow							wide
Rump angle	86	ascending							sloped
Thurl position	96	in the back							in the centre
Hock angularity	99	straight							sickled
Hock develop.	105	swollen							dry
Pasterns	98	weak							strong
Foot angle	109	low angles							steep angles
Fore udder length	110	short							long
Rear udder width	111	narrow							wide
Rear udder height	104	low							high
Susp. ligament	100	weak							strong
Udder depth	98	deep							shallow
Fore udder att.	107	loose							tight
Udder balance	107	staged							inclined
Teat length	110	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	106	wide							close
Teat placem. (rear)	101	wide							close
Teat direction (rear)	94	outwards							inwards
Udder cleanness	100	add. teats							clean udder

Avatar

HB No. 10/346565
LOM DE 09 56839158
Born 06.10.2021

aAa **165243**

GS AUSTRIA — AMORIE / ALISCHA
EVA Pp* 2/2 8553 6,15 526 3,63 311 — **VISOR P*S** ERNA 3/3 7759 5,95 462 3,66 284 — **HEGALL**

Milk	Type	Fitness

A1A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 142** 69%

MILK INDEX **MI 126** 79%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+944	+0,07	+46	-0,05	+30

BEEF PERFORMANCE **BI 99** 56%

Daily net gain	Carcass percentage	Carcass grade
101	98	96

FUNCTIONAL TRAITS **FIT 116** 70%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
93	112	110	114	95	107	103	110	130

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**109**								
Rump	**112**								
Feet & Legs	**109**								
Udder	**109**								
Final Score	**110**								
Muscling	107	light							heavy
Height at cross	110	small							large
Chest width	108	shallow							deep
Body depth	108	shallow							deep
Backline	96	weak							strong
Rump length	107	short							long
Rump width	102	narrow							wide
Rump angle	108	ascending							sloped
Thurl position	110	in the back							in the centre
Hock angularity	93	straight							sickled
Hock develop.	95	swollen							dry
Pasterns	107	weak							strong
Foot angle	109	low angles							steep angles
Fore udder length	108	short							long
Rear udder width	108	narrow							wide
Rear udder height	99	low							high
Susp. ligament	106	weak							strong
Udder depth	96	deep							shallow
Fore udder att.	102	loose							tight
Udder balance	94	staged							inclined
Teat length	90	short							long
Teat thickness	105	thin							thick
Teat placem. (front)	105	wide							close
Teat placem. (rear)	99	wide							close
Teat direction (rear)	102	outwards							inwards
Udder cleanness	96	add. teats							clean udder

genomic

Caravaggio

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

CANYON — CADURA / LIESE
BJALLA 2/1 7729 3,82 295 3,39 262 — **SEASIDEBLOOM** BRITT 5/5 8967 3,68 330 3,33 299 — **VASIR**

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

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 142** 76%

MILK INDEX **MI 122** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1312	-0,38	+21	-0,10	+39

BEEF PERFORMANCE **BI 105** 66%

Daily net gain	Carcass percentage	Carcass grade
106	103	98

FUNCTIONAL TRAITS **FIT 121** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	108	115	118	96	107	113	107	134

Buna, 3rd dam of Caravaggio

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Rump	**99**		
Feet & Legs	**106**		
Udder	**118**		
Final Score	**110**		
Muscling	89	light	heavy
Height at cross	109	small	large
Chest width	98	shallow	deep
Body depth	100	shallow	deep
Backline	87	weak	strong
Rump length	105	short	long
Rump width	92	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	101	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	101	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	110	short	long
Rear udder width	109	narrow	wide
Rear udder height	115	low	high
Susp. ligament	98	weak	strong
Udder depth	110	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	102	staged	inclined
Teat length	96	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Vance

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

aAa **516432**

VOLKER — VASSLI / BEATRICE
HELLE 3/3 7903 4,38 346 3,40 269 — **AURANTO** HEIDI 5/5 8796 3,74 329 3,41 300 — **EASTON**

Milk | **Butterfat** | **Udder**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 141** 77%

MILK INDEX **MI 131** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1011	+0,17	+58	-0,03	+33

BEEF PERFORMANCE **BI 102** 67%

Daily net gain	Carcass percentage	Carcass grade
107	94	94

FUNCTIONAL TRAITS **FIT 106** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	109	114	107	110	96	94	105	126

Helle, dam of Vance, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**115**		
Rump	**102**		
Feet & Legs	**102**		
Udder	**115**		
Final Score	**115**		
Muscling	108	light	heavy
Height at cross	100	small	large
Chest width	119	shallow	deep
Body depth	121	shallow	deep
Backline	89	weak	strong
Rump length	113	short	long
Rump width	111	narrow	wide
Rump angle	85	ascending	sloped
Thurl position	101	in the back	in the centre
Hock angularity	102	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	105	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	119	short	long
Rear udder width	115	narrow	wide
Rear udder height	105	low	high
Susp. ligament	116	weak	strong
Udder depth	96	deep	shallow
Fore udder att.	120	loose	tight
Udder balance	115	staged	inclined
Teat length	111	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	101	add. teats	clean udder

genomic

genomic

Pasadena

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

aAa **516342**

PIANO — PIERO / LASVEGA
RHORIO 4/4 12783 3,83 490 3,50 448 — **DARIO** RHOTUVA 7/7 10845 4,46 484 3,66 397 — **VASIR**

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

A2A2
BB
genomic

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

MILK INDEX	MI 128	83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1380	-0,20	+40	-0,12	+39

BEEF PERFORMANCE	BI 100	63%

Daily net gain	Carcass percentage	Carcass grade
103	94	99

FUNCTIONAL TRAITS	FIT 112	75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	111	110	108	95	102	103	108	126

Rhorio, dam of Pasadena

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Rump	**102**		
Feet & Legs	**106**		
Udder	**114**		
Final Score	**112**		
Muscling	89	light	heavy
Height at cross	106	small	large
Chest width	101	shallow	deep
Body depth	110	shallow	deep
Backline	91	weak	strong
Rump length	110	short	long
Rump width	99	narrow	wide
Rump angle	88	ascending	sloped
Thurl position	94	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	109	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	114	short	long
Rear udder width	115	narrow	wide
Rear udder height	109	low	high
Susp. ligament	108	weak	strong
Udder depth	100	deep	shallow
Fore udder att.	107	loose	tight
Udder balance	114	staged	inclined
Teat length	97	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	116	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Portland

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

aAa **462531**

PIANO — PIERO / LAS VEGAS
BJALLA 2/1 7729 3,82 295 3,39 262 — **SEASIDEBLOOM** BRITT 5/5 8967 3,68 330 3,33 299 — **VASIR**

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

A2A2
BB
genomic

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

MILK INDEX	MI 127	83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1620	-0,30	+40	-0,22	+38

BEEF PERFORMANCE	BI 91	65%

Daily net gain	Carcass percentage	Carcass grade
97	88	90

FUNCTIONAL TRAITS	FIT 112	75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	108	119	112	91	105	100	101	128

Bjalla, dam of Portland, 1st lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Rump	**96**		
Feet & Legs	**103**		
Udder	**120**		
Final Score	**113**		
Muscling	85	light	heavy
Height at cross	109	small	large
Chest width	99	shallow	deep
Body depth	104	shallow	deep
Backline	92	weak	strong
Rump length	107	short	long
Rump width	93	narrow	wide
Rump angle	88	ascending	sloped
Thurl position	97	in the back	in the centre
Hock angularity	89	straight	sickled
Hock develop.	87	swollen	dry
Pasterns	105	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	114	short	long
Rear udder width	120	narrow	wide
Rear udder height	111	low	high
Susp. ligament	106	weak	strong
Udder depth	103	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	106	staged	inclined
Teat length	85	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	119	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Amarula

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

aAa **156324**

AMORIE — AMOR / IRMA
KORA 2/2 10114 4,25 430 3,91 395 — **CADENCE** KORA 5/4 9102 4,19 381 3,76 343 — **VASIR**

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

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 141** 77%

MILK INDEX **MI 126** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+775	+0,11	+42	+0,05	+32

BEEF PERFORMANCE **BI 104** 68%

Daily net gain	Carcass percentage	Carcass grade
105	100	99

FUNCTIONAL TRAITS **FIT 117** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	110	110	111	104	101	112	106	128

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Rump	**102**		
Feet & Legs	**104**		
Udder	**107**		
Final Score	**105**		
Muscling	105	light	heavy
Height at cross	101	small	large
Chest width	101	shallow	deep
Body depth	108	shallow	deep
Backline	94	weak	strong
Rump length	96	short	long
Rump width	113	narrow	wide
Rump angle	92	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	105	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	97	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	110	short	long
Rear udder width	115	narrow	wide
Rear udder height	97	low	high
Susp. ligament	104	weak	strong
Udder depth	96	deep	shallow
Fore udder att.	99	loose	tight
Udder balance	89	staged	inclined
Teat length	94	short	long
Teat thickness	80	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Cassidy

HB No. 10/435550
LOM DE 08 17983442
Born 13.12.2021

aAa **165243**

CAVALLO — CANYON / ROMMY
PEARL 1/1 9527 4,86 463 3,63 346 — **NAMUR** PLAYGIRL 3/3 10621 4,68 497 3,78 401 — **PURPRO**

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

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 141** 70%

MILK INDEX **MI 125** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+931	-0,06	+34	+0,03	+36

BEEF PERFORMANCE **BI 107** 56%

Daily net gain	Carcass percentage	Carcass grade
106	104	103

FUNCTIONAL TRAITS **FIT 117** 71%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	112	112	114	99	106	107	104	130

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**98**		
Rump	**103**		
Feet & Legs	**107**		
Udder	**114**		
Final Score	**107**		
Muscling	94	light	heavy
Height at cross	104	small	large
Chest width	96	shallow	deep
Body depth	99	shallow	deep
Backline	100	weak	strong
Rump length	104	short	long
Rump width	93	narrow	wide
Rump angle	107	ascending	sloped
Thurl position	101	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	105	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	107	short	long
Rear udder width	112	narrow	wide
Rear udder height	109	low	high
Susp. ligament	105	weak	strong
Udder depth	105	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	105	staged	inclined
Teat length	96	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	98	add. teats	clean udder

genomic

Amun

HB No. 10/346335
LOM DE 09 54188259
Born 17.08.2019

aAa **432165**

AMORIE — AMOR / IRMA
LAMOUR 3/2 9699 4,00 388 3,53 343 — **IFEELING** LEONORE 4/3 9168 4,10 376 3,47 318 — **HUSSANT**

Milk	Udder	Udder health

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 140** 75%

MILK INDEX **MI 132** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1419	-0,11	+49	-0,10	+42

BEEF PERFORMANCE **BI 111** 64%

Daily net gain	Carcass percentage	Carcass grade
111	100	102

FUNCTIONAL TRAITS **FIT 102** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	116	114	106	106	100	81	101	129

Lamour, dam of Amun

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**97**		
Rump	**97**		
Feet & Legs	**109**		
Udder	**116**		
Final Score	**107**		
Muscling	100	light	heavy
Height at cross	96	small	large
Chest width	100	shallow	deep
Body depth	100	shallow	deep
Backline	89	weak	strong
Rump length	95	short	long
Rump width	93	narrow	wide
Rump angle	93	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	105	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	102	narrow	wide
Rear udder height	106	low	high
Susp. ligament	99	weak	strong
Udder depth	109	deep	shallow
Fore udder att.	102	loose	tight
Udder balance	93	staged	inclined
Teat length	84	short	long
Teat thickness	82	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Ancona

HB No. 10/435549
LOM DE 08 18023818
Born 06.11.2021

AUSTRIA — AMORIE / ALISCHA
NIXE 4/4 12932 4,28 554 3,70 479 — **HEBRON** NICKI 8/8 11071 4,61 510 3,86 427 — **JOEL**

Milk	Udder health	Persistency

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 140** 70%

MILK INDEX **MI 130** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1393	-0,21	+40	-0,08	+43

BEEF PERFORMANCE **BI 96** 57%

Daily net gain	Carcass percentage	Carcass grade
100	91	96

FUNCTIONAL TRAITS **FIT 108** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	112	119	106	101	99	93	105	128

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Rump	**96**		
Feet & Legs	**104**		
Udder	**109**		
Final Score	**107**		
Muscling	94	light	heavy
Height at cross	108	small	large
Chest width	103	shallow	deep
Body depth	105	shallow	deep
Backline	89	weak	strong
Rump length	95	short	long
Rump width	105	narrow	wide
Rump angle	91	ascending	sloped
Thurl position	94	in the back	in the centre
Hock angularity	103	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	98	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	104	short	long
Rear udder width	109	narrow	wide
Rear udder height	116	low	high
Susp. ligament	108	weak	strong
Udder depth	101	deep	shallow
Fore udder att.	101	loose	tight
Udder balance	107	staged	inclined
Teat length	107	short	long
Teat thickness	106	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Nathan

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

aAa **654123**

NATUREL — AMOR / LISBONNE
ELISA 2/2 10070 4,27 430 3,42 344 — **VASSLI** / MARA 5/5 9854 3,96 390 3,47 342 — **HURAY**

Milk | **Fitness** | **Persistency**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 140** 73%

MILK INDEX **MI 127** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1248	-0,06	+47	-0,14	+32

BEEF PERFORMANCE **BI 109** 63%

Daily net gain	Carcass percentage	Carcass grade
108	101	104

FUNCTIONAL TRAITS **FIT 110** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	107	116	110	91	100	97	112	130

Elisa, dam of Nathan, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**116**		
Rump	**110**		
Feet & Legs	**100**		
Udder	**116**		
Final Score	**116**		
Muscling	91	light	heavy
Height at cross	120	small	large
Chest width	103	shallow	deep
Body depth	109	shallow	deep
Backline	99	weak	strong
Rump length	111	short	long
Rump width	117	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	98	in the back	in the centre
Hock angularity	103	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	104	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	104	short	long
Rear udder width	106	narrow	wide
Rear udder height	108	low	high
Susp. ligament	104	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	104	loose	tight
Udder balance	106	staged	inclined
Teat length	95	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	96	add. teats	clean udder

Akkon

HB No. 10/435538
LOM DE 08 17889699
Born 16.09.2021

aAa **516324**

AUSTRIA — AMORIE / ALISCHA
CLEO 1/1 8934 4,72 422 3,82 341 — **ERWIN** / CYNTHIA 3/3 9543 4,21 401 3,88 370 — **VAPIANO**

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

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 140** 70%

MILK INDEX **MI 127** 79%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+834	+0,09	+43	+0,05	+34

BEEF PERFORMANCE **BI 101** 57%

Daily net gain	Carcass percentage	Carcass grade
104	94	99

FUNCTIONAL TRAITS **FIT 114** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	114	111	105	96	103	108	103	125

LINEAR DESCRIPTION

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

genomic

Västeras

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

aAa **243615**

AG VASELINO — VASSLI 1304
1561 — **AG VERDI** 1318 — **GS HIMALAYA**
3/2 8976 4,42 397 4,14 372
6/5 10233 3,99 408 3,66 375

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

A2A2
BB
genomic

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

MILK INDEX **MI 123** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+708	+0,14	+42	-0,01	+25

BEEF PERFORMANCE **BI 94** 63%

Daily net gain	Carcass percentage	Carcass grade
95	97	97

FUNCTIONAL TRAITS **FIT 120** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	117	120	118	97	105	102	105	132

Dam of Västeras, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Rump	**109**		
Feet & Legs	**109**		
Udder	**116**		
Final Score	**112**		
Muscling	113	light	heavy
Height at cross	102	small	large
Chest width	101	shallow	deep
Body depth	100	shallow	deep
Backline	93	weak	strong
Rump length	103	short	long
Rump width	105	narrow	wide
Rump angle	92	ascending	sloped
Thurl position	103	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	111	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	98	short	long
Rear udder width	102	narrow	wide
Rear udder height	112	low	high
Susp. ligament	109	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	112	loose	tight
Udder balance	112	staged	inclined
Teat length	99	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	94	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	112	outwards	inwards
Udder cleanness	104	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* — **AG HERCULES** ELSIRA — **EMSLAND PS**
1/1 7684 4,31 331 4,06 312
6/6 8339 4,46 372 3,99 333

Milk | **Fitness** | **Longevity**

A2A2
BB
genomic

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

MILK INDEX **MI 125** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1160	-0,13	+37	-0,10	+33

BEEF PERFORMANCE **BI 100** 62%

Daily net gain	Carcass percentage	Carcass grade
101	99	98

FUNCTIONAL TRAITS **FIT 116** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	108	114	116	111	97	109	103	126

Elsita, 3rd dam of Sepp Pp, 13th lactation

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**98**		
Rump	**101**		
Feet & Legs	**102**		
Udder	**107**		
Final Score	**104**		
Muscling	92	light	heavy
Height at cross	96	small	large
Chest width	92	shallow	deep
Body depth	94	shallow	deep
Backline	107	weak	strong
Rump length	97	short	long
Rump width	81	narrow	wide
Rump angle	105	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	99	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	92	weak	strong
Foot angle	98	low angles	steep angles
Fore udder length	99	short	long
Rear udder width	110	narrow	wide
Rear udder height	109	low	high
Susp. ligament	94	weak	strong
Udder depth	103	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	93	staged	inclined
Teat length	82	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	94	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	98	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Boxer Pp*

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

aAa **156342**

BISON — BISTO / RAFAELA
ISARIA Pp* 1/1 9126 4,88 445 3,73 340 — **VIPRO Pp*** ISAR 4/4 8836 4,48 396 3,80 336 — **HUVI**

Milk	Components	Type

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 138** 72%

MILK INDEX **MI 128** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+831	+0,10	+44	+0,05	+34

BEEF PERFORMANCE **BI 91** 62%

Daily net gain	Carcass percentage	Carcass grade
97	97	83

FUNCTIONAL TRAITS **FIT 109** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	104	111	107	103	104	103	102	125

Isaria Pp, dam of Boxer Pp

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Rump	**109**		
Feet & Legs	**106**		
Udder	**107**		
Final Score	**108**		
Muscling	87	light	heavy
Height at cross	112	small	large
Chest width	96	shallow	deep
Body depth	109	shallow	deep
Backline	98	weak	strong
Rump length	113	short	long
Rump width	107	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	104	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	111	weak	strong
Foot angle	99	low angles	steep angles
Fore udder length	105	short	long
Rear udder width	105	narrow	wide
Rear udder height	103	low	high
Susp. ligament	103	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	102	staged	inclined
Teat length	95	short	long
Teat thickness	108	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Salvador

HB No. 10/347440
LOM DE 09 56858711
Born 09.08.2021

aAa **347440**

AG SEVILLA — SEASIDEBLOOM 1472
FLIEGE 5/4 9550 5,24 501 4,05 387 — **AG HEBRON** FLIEGE 6/5 10223 4,13 422 3,61 370 — **JULENG**

Muscling	Milk	Fitness

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 138** 70%

MILK INDEX **MI 125** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+947	+0,00	+40	-0,02	+32

BEEF PERFORMANCE **BI 103** 56%

Daily net gain	Carcass percentage	Carcass grade
102	102	102

FUNCTIONAL TRAITS **FIT 113** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
115	111	111	113	105	100	101	104	131

Fliege, dam of Salvador, 5th lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Rump	**110**		
Feet & Legs	**105**		
Udder	**108**		
Final Score	**108**		
Muscling	119	light	heavy
Height at cross	108	small	large
Chest width	108	shallow	deep
Body depth	103	shallow	deep
Backline	93	weak	strong
Rump length	105	short	long
Rump width	113	narrow	wide
Rump angle	105	ascending	sloped
Thurl position	104	in the back	in the centre
Hock angularity	93	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	103	weak	strong
Foot angle	98	low angles	steep angles
Fore udder length	96	short	long
Rear udder width	104	narrow	wide
Rear udder height	102	low	high
Susp. ligament	105	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	99	staged	inclined
Teat length	97	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	95	add. teats	clean udder

genomic

genomic

Savona

HB No. 10/435552
LOM DE 08 18009909
Born 13.10.2021

SEVILLA — SEASIDEBLOOM 1472
ELLEN 2/1 8900 4,75 423 3,85 343 — **CANYON** ELLI 3/3 8430 4,98 420 3,85 324 — **JACKMAN**

Udder	Components	Persistency

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 138** 70%

MILK INDEX **MI 124** 79%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+666	+0,14	+40	+0,06	+29

BEEF PERFORMANCE **BI 97** 57%

Daily net gain	Carcass percentage	Carcass grade
98	99	98

FUNCTIONAL TRAITS **FIT 116** 71%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	109	120	108	95	109	110	98	132

Ellen, dam of Savona

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**107**								
Rump	**106**								
Feet & Legs	**107**								
Udder	**122**								
Final Score	**116**								
Muscling	98	light							heavy
Height at cross	108	small							large
Chest width	100	shallow							deep
Body depth	108	shallow							deep
Backline	97	weak							strong
Rump length	108	short							long
Rump width	103	narrow							wide
Rump angle	103	ascending							sloped
Thurl position	99	in the back							in the centre
Hock angularity	97	straight							sickled
Hock develop.	97	swollen							dry
Pasterns	110	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	102	short							long
Rear udder width	111	narrow							wide
Rear udder height	116	low							high
Susp. ligament	110	weak							strong
Udder depth	114	deep							shallow
Fore udder att.	117	loose							tight
Udder balance	105	staged							inclined
Teat length	89	short							long
Teat thickness	86	thin							thick
Teat placem. (front)	102	wide							close
Teat placem. (rear)	99	wide							close
Teat direction (rear)	108	outwards							inwards
Udder cleanness	101	add. teats							clean udder

Ohio

HB No. 10/608989
LOM AT 76 6409974
Born 02.09.2021

aAa **615243**

O MALLEY — BENDER LILIPUS
MILBA 3/2 9673 4,07 394 3,68 356 — **BLOOMING** MILLA 6/5 9972 3,57 356 3,70 369 — **AG PANAMA**

Type	Milk	Protein

A2A2
BB
genomic

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

MILK INDEX **MI 128** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+925	-0,05	+35	+0,09	+41

BEEF PERFORMANCE **BI 101** 59%

Daily net gain	Carcass percentage	Carcass grade
105	100	90

FUNCTIONAL TRAITS **FIT 107** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
94	107	103	104	95	99	106	95	126

Milba, dam of Ohio, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**126**								
Rump	**116**								
Feet & Legs	**108**								
Udder	**125**								
Final Score	**126**								
Muscling	110	light							heavy
Height at cross	124	small							large
Chest width	122	shallow							deep
Body depth	122	shallow							deep
Backline	108	weak							strong
Rump length	123	short							long
Rump width	114	narrow							wide
Rump angle	102	ascending							sloped
Thurl position	108	in the back							in the centre
Hock angularity	97	straight							sickled
Hock develop.	92	swollen							dry
Pasterns	111	weak							strong
Foot angle	114	low angles							steep angles
Fore udder length	112	short							long
Rear udder width	110	narrow							wide
Rear udder height	111	low							high
Susp. ligament	106	weak							strong
Udder depth	117	deep							shallow
Fore udder att.	118	loose							tight
Udder balance	115	staged							inclined
Teat length	104	short							long
Teat thickness	102	thin							thick
Teat placem. (front)	110	wide							close
Teat placem. (rear)	110	wide							close
Teat direction (rear)	113	outwards							inwards
Udder cleanness	100	add. teats							clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Vomp

HB No. 10/346860
LOM DE 09 54360920
Born 13.08.2019

aAa **561423**

VOLKER — VASSLI / BEATRICE
FEL 5/5 8771 4,61 404 4,24 372 — **AG VERDI** FEE 2/2 7171 4,11 295 3,66 263 — **JULENG**

Components | **Longevity** | **Foreudder**

A2A2
BB
genomic

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

MILK INDEX **MI 125** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+610	+0,24	+45	+0,08	+29

BEEF PERFORMANCE **BI 103** 65%

Daily net gain	Carcass percentage	Carcass grade
106	95	97

FUNCTIONAL TRAITS **FIT 108** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	106	109	110	98	101	98	108	124

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Rump	**107**		
Feet & Legs	**104**		
Udder	**105**		
Final Score	**108**		
Muscling	113	light	heavy
Height at cross	100	small	large
Chest width	111	shallow	deep
Body depth	110	shallow	deep
Backline	97	weak	strong
Rump length	107	short	long
Rump width	112	narrow	wide
Rump angle	84	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	85	straight	sickled
Hock develop.	84	swollen	dry
Pasterns	110	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	115	short	long
Rear udder width	102	narrow	wide
Rear udder height	94	low	high
Susp. ligament	112	weak	strong
Udder depth	96	deep	shallow
Fore udder att.	119	loose	tight
Udder balance	104	staged	inclined
Teat length	101	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Varese

HB No. 10/435543
LOM DE 08 17958812
Born 14.10.2021

aAa **156324**

VENTURA — VORAUS / PISA
FABIENNE 200 T 5886 4,12 242 3,60 212 — **VORSPRUNG** FANTASY 3/2 12375 3,87 479 3,41 422 — **DANE**

Milk | **Type** | **Fitness**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 136** 71%

MILK INDEX **MI 124** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1014	-0,09	+35	-0,06	+32

BEEF PERFORMANCE **BI 96** 58%

Daily net gain	Carcass percentage	Carcass grade
102	89	90

FUNCTIONAL TRAITS **FIT 112** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	103	117	109	102	108	108	96	127

Fabienne, dam of Varese

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**116**		
Rump	**103**		
Feet & Legs	**108**		
Udder	**113**		
Final Score	**115**		
Muscling	102	light	heavy
Height at cross	113	small	large
Chest width	109	shallow	deep
Body depth	119	shallow	deep
Backline	99	weak	strong
Rump length	112	short	long
Rump width	105	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	91	in the back	in the centre
Hock angularity	103	straight	sickled
Hock develop.	109	swollen	dry
Pasterns	102	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	102	short	long
Rear udder width	108	narrow	wide
Rear udder height	115	low	high
Susp. ligament	104	weak	strong
Udder depth	110	deep	shallow
Fore udder att.	108	loose	tight
Udder balance	109	staged	inclined
Teat length	99	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	97	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	91	add. teats	clean udder

genomic

genomic

Piccard

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

aAa **156423**

PIANO — PIERO / LAS VEGAS
HEIKE 5/5 9128 4,67 426 3,97 362 — **HUVI** HILLERY 9/9 9878 3,97 392 3,73 368 — **HURAY**

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

A2A2
BB

genomic

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

MILK INDEX **MI 123** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+683	+0,14	+41	+0,01	+25

BEEF PERFORMANCE **BI 86** 64%

Daily net gain	Carcass percentage	Carcass grade
94	88	84

FUNCTIONAL TRAITS **FIT 113** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	106	105	107	101	111	109	111	123

Heike, dam of Piccard, 5th lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Rump	**105**		
Feet & Legs	**104**		
Udder	**117**		
Final Score	**113**		
Muscling	86	light	heavy
Height at cross	112	small	large
Chest width	101	shallow	deep
Body depth	112	shallow	deep
Backline	92	weak	strong
Rump length	113	short	long
Rump width	105	narrow	wide
Rump angle	99	ascending	sloped
Thurl position	95	in the back	in the centre
Hock angularity	92	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	100	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	112	short	long
Rear udder width	115	narrow	wide
Rear udder height	111	low	high
Susp. ligament	99	weak	strong
Udder depth	110	deep	shallow
Fore udder att.	112	loose	tight
Udder balance	113	staged	inclined
Teat length	87	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Finale

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

aAa **516432**

FIGARO — FIGO / NORIS
HELENE 4/3 9041 4,26 385 3,64 329 — **ANIBAL** VIOLA 5/5 10685 3,88 414 3,63 388 — **HACKER**

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

A2A2
AB

genomic

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

MILK INDEX **MI 120** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1279	-0,30	+27	-0,18	+30

BEEF PERFORMANCE **BI 102** 65%

Daily net gain	Carcass percentage	Carcass grade
105	97	93

FUNCTIONAL TRAITS **FIT 113** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	104	112	118	100	104	98	118	124

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Rump	**101**		
Feet & Legs	**107**		
Udder	**111**		
Final Score	**107**		
Muscling	88	light	heavy
Height at cross	100	small	large
Chest width	96	shallow	deep
Body depth	105	shallow	deep
Backline	103	weak	strong
Rump length	107	short	long
Rump width	86	narrow	wide
Rump angle	101	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	101	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	104	short	long
Rear udder width	109	narrow	wide
Rear udder height	108	low	high
Susp. ligament	112	weak	strong
Udder depth	98	deep	shallow
Fore udder att.	97	loose	tight
Udder balance	100	staged	inclined
Teat length	112	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Dallas

HB No. 10/347480
LOM DE 09 57508341
Born 24.09.2021

aAa **261435**

DANLY — DANE / BERLIN
ELRIKSA 1/1 7859 4,87 383 3,68 289 — **AG ANIS** / ELRIKE 4/4 9204 3,69 340 3,63 334 — **AG PUCK**

Components	Type	Fitness
	A2A2	BB

genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 136** 71%

MILK INDEX **MI 120** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+534	+0,11	+31	+0,06	+25

BEEF PERFORMANCE **BI 110** 59%

Daily net gain	Carcass percentage	Carcass grade
113	97	96

FUNCTIONAL TRAITS **FIT 117** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	115	116	116	92	104	102	101	130

Eliska, dam of Dallas

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**118**		
Rump	**117**		
Feet & Legs	**101**		
Udder	**121**		
Final Score	**118**		
Muscling	102	light	heavy
Height at cross	118	small	large
Chest width	111	shallow	deep
Body depth	118	shallow	deep
Backline	103	weak	strong
Rump length	121	short	long
Rump width	126	narrow	wide
Rump angle	97	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	107	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	97	weak	strong
Foot angle	99	low angles	steep angles
Fore udder length	104	short	long
Rear udder width	104	narrow	wide
Rear udder height	108	low	high
Susp. ligament	105	weak	strong
Udder depth	127	deep	shallow
Fore udder att.	113	loose	tight
Udder balance	110	staged	inclined
Teat length	105	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Veles Pp*

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

aAa **423651**

VIDAL P*S — AG VIPER Pp* / PAULI
1413 4/3 12507 4,25 531 3,54 442 — **AG VOBIS** / MONICE 9/9 11455 4,15 476 3,55 407 — **JUPAZ**

Longevity	Fitness	Type
	A1A2	AB

genomic

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

MILK INDEX **MI 119** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+644	+0,01	+28	+0,03	+26

BEEF PERFORMANCE **BI 98** 67%

Daily net gain	Carcass percentage	Carcass grade
102	97	92

FUNCTIONAL TRAITS **FIT 117** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
85	105	99	122	97	109	108	113	124

1413, dam of Veles Pp

LINEAR DESCRIPTION 4 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Rump	**104**		
Feet & Legs	**113**		
Udder	**107**		
Final Score	**113**		
Muscling	89	light	heavy
Height at cross	111	small	large
Chest width	104	shallow	deep
Body depth	106	shallow	deep
Backline	103	weak	strong
Rump length	110	short	long
Rump width	108	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	93	in the back	in the centre
Hock angularity	103	straight	sickled
Hock develop.	116	swollen	dry
Pasterns	107	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	106	short	long
Rear udder width	105	narrow	wide
Rear udder height	108	low	high
Susp. ligament	101	weak	strong
Udder depth	105	deep	shallow
Fore udder att.	101	loose	tight
Udder balance	101	staged	inclined
Teat length	92	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	121	wide	close
Teat direction (rear)	119	outwards	inwards
Udder cleanness	101	add. teats	clean udder

genomic

Vindiesel

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

aAa **246315**

VALID
VASSLI
ANABELL

RIANE
4/3 10144 4,19 425 3,66 371

DANE
GERDI
3/3 9854 4,31 425 3,67 362

AG VOICE

Fertility	Type	Fitness

A2A2
BB
genomic

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

MILK INDEX **MI 119** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+634	+0,05	+31	+0,00	+23

BEEF PERFORMANCE **BI 109** 65%

Daily net gain	Carcass percentage	Carcass grade
112	95	102

FUNCTIONAL TRAITS **FIT 119** 76%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	117	110	111	100	112	111	101	129

Riane, dam of Vindiesel, 3rd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**116**		
Rump	**107**		
Feet & Legs	**112**		
Udder	**115**		
Final Score	**118**		
Muscling	99	light	heavy
Height at cross	120	small	large
Chest width	110	shallow	deep
Body depth	109	shallow	deep
Backline	104	weak	strong
Rump length	113	short	long
Rump width	115	narrow	wide
Rump angle	96	ascending	sloped
Thurl position	93	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	110	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	109	narrow	wide
Rear udder height	99	low	high
Susp. ligament	104	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	94	staged	inclined
Teat length	107	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	115	wide	close
Teat placem. (rear)	97	wide	close
Teat direction (rear)	89	outwards	inwards
Udder cleanness	98	add. teats	clean udder

Botticelli

HB No. 10/435531
LOM DE 08 17690990
Born 07.05.2021

BISON
BISTO
RAFAELA

GINA
1/1 7435 4,86 361 3,83 285

DORIAN
GITTI
5/5 10924 3,55 388 3,53 385

HURAY

Vitality	Udder	Longevity

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 135** 73%

MILK INDEX **MI 121** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+746	+0,00	+32	+0,01	+28

BEEF PERFORMANCE **BI 99** 61%

Daily net gain	Carcass percentage	Carcass grade
102	96	93

FUNCTIONAL TRAITS **FIT 113** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	108	104	114	107	104	101	118	125

Gina, dam of Botticelli

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Rump	**109**		
Feet & Legs	**104**		
Udder	**111**		
Final Score	**111**		
Muscling	104	light	heavy
Height at cross	104	small	large
Chest width	106	shallow	deep
Body depth	103	shallow	deep
Backline	96	weak	strong
Rump length	105	short	long
Rump width	103	narrow	wide
Rump angle	93	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	100	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	101	weak	strong
Foot angle	96	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	109	narrow	wide
Rear udder height	95	low	high
Susp. ligament	112	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	100	staged	inclined
Teat length	94	short	long
Teat thickness	107	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	100	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 9043 4,03 364 3,86 349 — **GLARUS** / WANDI 5/5 9607 3,96 380 3,69 355 — **PROHUVO**

Type	Fitness	Components

A2A2
AA

genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 135** 72%

MILK INDEX **MI 118** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+477	+0,09	+27	+0,07	+23

BEEF PERFORMANCE **BI 103** 60%

Daily net gain	Carcass percentage	Carcass grade
104	98	101

FUNCTIONAL TRAITS **FIT 121** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	113	95	116	110	111	117	109	131

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**114**		
Rump	**113**		
Feet & Legs	**103**		
Udder	**117**		
Final Score	**115**		
Muscling	110	light	heavy
Height at cross	107	small	large
Chest width	111	shallow	deep
Body depth	115	shallow	deep
Backline	106	weak	strong
Rump length	117	short	long
Rump width	112	narrow	wide
Rump angle	92	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	103	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	105	weak	strong
Foot angle	99	low angles	steep angles
Fore udder length	99	short	long
Rear udder width	101	narrow	wide
Rear udder height	108	low	high
Susp. ligament	108	weak	strong
Udder depth	111	deep	shallow
Fore udder att.	118	loose	tight
Udder balance	108	staged	inclined
Teat length	97	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Bernado

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

aAa **156324**

BLOOMLORD — BLOOMING / 15343
GINI 3/3 10778 4,17 450 3,46 373 — **DANE** / GINA 6/6 8621 4,25 367 3,57 308 — **HURAY**

Milk	Type	Persistency

A2A2
BB

genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 134** 71%

MILK INDEX **MI 125** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1118	-0,13	+36	-0,06	+35

BEEF PERFORMANCE **BI 98** 59%

Daily net gain	Carcass percentage	Carcass grade
103	95	91

FUNCTIONAL TRAITS **FIT 105** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	103	114	104	100	101	96	109	122

Gini, dam of Bernado, 3rd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**116**		
Rump	**109**		
Feet & Legs	**103**		
Udder	**118**		
Final Score	**117**		
Muscling	100	light	heavy
Height at cross	114	small	large
Chest width	108	shallow	deep
Body depth	115	shallow	deep
Backline	113	weak	strong
Rump length	109	short	long
Rump width	114	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	97	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	100	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	115	short	long
Rear udder width	109	narrow	wide
Rear udder height	107	low	high
Susp. ligament	107	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	111	loose	tight
Udder balance	107	staged	inclined
Teat length	96	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	113	wide	close
Teat placem. (rear)	120	wide	close
Teat direction (rear)	115	outwards	inwards
Udder cleanness	101	add. teats	clean udder

genomic

Bond P*S

HB No. 10/357010
LOM AT 34 6338 988
Born 24.12.2021

aAa **621453**

BLOOMLORD — BLOOMING 15343
FANNY PP* 2/1 6739 5,66 381 3,69 248 — **VIPRO Pp*** FILOU Pp* 3/2 7018 4,89 343 3,78 265 — **AG VAN P*S**

Components	Longevity	Type
	A2A2	BB

genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 134** 70%

MILK INDEX **MI 122** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+239	+0,41	+43	+0,16	+21

BEEF PERFORMANCE **BI 103** 57%

Daily net gain	Carcass percentage	Carcass grade
102	102	101

FUNCTIONAL TRAITS **FIT 114** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	110	98	114	90	104	108	103	124

Fanny PP, dam of Bond P*S

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Rump	**109**		
Feet & Legs	**115**		
Udder	**117**		
Final Score	**117**		
Muscling	102	light	heavy
Height at cross	108	small	large
Chest width	100	shallow	deep
Body depth	105	shallow	deep
Backline	114	weak	strong
Rump length	106	short	long
Rump width	107	narrow	wide
Rump angle	108	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	90	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	115	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	104	narrow	wide
Rear udder height	111	low	high
Susp. ligament	102	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	108	loose	tight
Udder balance	100	staged	inclined
Teat length	92	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	117	wide	close
Teat direction (rear)	115	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Bismark

HB No. 10/347360
LOM DE 09 56224428
Born 03.05.2021

aAa **651423**

BILANZ — BISTO SUSANN
1605 2/1 8764 4,90 429 3,79 332 — **ANTONOV** 1314 5/5 10515 4,37 460 3,90 410 — **CADENCE**

Type	Components	Persistency
	A2A2	BB

genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 133** 72%

MILK INDEX **MI 125** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+675	+0,12	+39	+0,08	+31

BEEF PERFORMANCE **BI 102** 59%

Daily net gain	Carcass percentage	Carcass grade
105	100	93

FUNCTIONAL TRAITS **FIT 107** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	104	111	106	99	102	100	103	126

1605, dam of Bismark

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Rump	**108**		
Feet & Legs	**110**		
Udder	**117**		
Final Score	**117**		
Muscling	102	light	heavy
Height at cross	110	small	large
Chest width	105	shallow	deep
Body depth	106	shallow	deep
Backline	105	weak	strong
Rump length	110	short	long
Rump width	91	narrow	wide
Rump angle	104	ascending	sloped
Thurl position	109	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	105	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	104	short	long
Rear udder width	118	narrow	wide
Rear udder height	111	low	high
Susp. ligament	104	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	94	staged	inclined
Teat length	86	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Vindox P*S

HB No. 10/347520
LOM DE 09 57215500
Born 06.12.2021

AG VINDUS P*S
- VIPRO Pp*
- VRONIS

BEANE
4/3,7 11835 4,52 535 3,59 425
- **AG VOX**
  - BLUME
    4/3,9 9532 4,21 402 3,74 356
  - **HEGALL**

Milk	Components	Fertility

Beane, dam of Vindox P*S, 4th lac.

A2A2
AA
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 131** 70%

MILK INDEX **MI 126** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+743	+0,16	+45	+0,03	+30

BEEF PERFORMANCE **BI 98** 55%

Daily net gain	Carcass percentage	Carcass grade
103	92	95

FUNCTIONAL TRAITS **FIT 103** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	102	86	103	99	106	107	103	117

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**101**								
Rump	**101**								
Feet & Legs	**107**								
Udder	**106**								
Final Score	**105**								
Muscling	94	light							heavy
Height at cross	103	small							large
Chest width	100	shallow							deep
Body depth	105	shallow							deep
Backline	97	weak							strong
Rump length	96	short							long
Rump width	99	narrow							wide
Rump angle	112	ascending							sloped
Thurl position	105	in the back							in the centre
Hock angularity	98	straight							sickled
Hock develop.	90	swollen							dry
Pasterns	108	weak							strong
Foot angle	110	low angles							steep angles
Fore udder length	112	short							long
Rear udder width	108	narrow							wide
Rear udder height	110	low							high
Susp. ligament	97	weak							strong
Udder depth	100	deep							shallow
Fore udder att.	105	loose							tight
Udder balance	101	staged							inclined
Teat length	99	short							long
Teat thickness	100	thin							thick
Teat placem. (front)	99	wide							close
Teat placem. (rear)	95	wide							close
Teat direction (rear)	97	outwards							inwards
Udder cleanness	95	add. teats							clean udder

Seven P*S

HB No. 10/347500
LOM DE 09 56867641
Born 20.08.2021

AG SEVILLA
- SEASIDEBLOOM
- 1472

ULLA Pp*
2/1 7842 4,76 373 4,16 326
- **VIDAL P*S**
  - ULME
    6/6 8229 4,38 360 4,04 332
  - **AG VERDI**

Protein	Type	Fitness

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 131** 71%

MILK INDEX **MI 116** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+490	+0,00	+21	+0,06	+23

BEEF PERFORMANCE **BI 92** 58%

Daily net gain	Carcass percentage	Carcass grade
94	98	91

FUNCTIONAL TRAITS **FIT 117** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	103	113	111	93	113	113	108	124

Ulla Pp, dam of Seven P*S

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**116**								
Rump	**113**								
Feet & Legs	**111**								
Udder	**107**								
Final Score	**115**								
Muscling	104	light							heavy
Height at cross	121	small							large
Chest width	107	shallow							deep
Body depth	103	shallow							deep
Backline	107	weak							strong
Rump length	109	short							long
Rump width	109	narrow							wide
Rump angle	110	ascending							sloped
Thurl position	99	in the back							in the centre
Hock angularity	91	straight							sickled
Hock develop.	102	swollen							dry
Pasterns	110	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	101	short							long
Rear udder width	98	narrow							wide
Rear udder height	109	low							high
Susp. ligament	102	weak							strong
Udder depth	106	deep							shallow
Fore udder att.	104	loose							tight
Udder balance	93	staged							inclined
Teat length	85	short							long
Teat thickness	96	thin							thick
Teat placem. (front)	100	wide							close
Teat placem. (rear)	100	wide							close
Teat direction (rear)	110	outwards							inwards
Udder cleanness	98	add. teats							clean udder

genomic

Veltins PP*

HB No. 10/347400
LOM DE 09 57216237
Born 17.07.2021

aAa **156324**

AG VELES Pp*
VIDAL P*S
1413

AKELEI PP*
2/1 7903 4,31 341 3,90 308

VIPRO Pp*
AURELIA Pp*
3/3 7829 4,39 344 3,71 290

GS HUVI

Components | **Frame** | **Feet & Legs**

Akelei PP, dam of Veltins PP

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 129** 70%

MILK INDEX **MI 126** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+789	+0,06	+39	+0,05	+33

BEEF PERFORMANCE **BI 100** 57%

Daily net gain	Carcass percentage	Carcass grade
102	100	94

FUNCTIONAL TRAITS **FIT 100** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	105	97	99	96	106	96	100	116

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**108**								
Rump	**96**								
Feet & Legs	**111**								
Udder	**105**								
Final Score	**111**								
Muscling	89	light							heavy
Height at cross	111	small							large
Chest width	97	shallow							deep
Body depth	108	shallow							deep
Backline	96	weak							strong
Rump length	99	short							long
Rump width	101	narrow							wide
Rump angle	94	ascending							sloped
Thurl position	89	in the back							in the centre
Hock angularity	94	straight							sickled
Hock develop.	106	swollen							dry
Pasterns	106	weak							strong
Foot angle	101	low angles							steep angles
Fore udder length	115	short							long
Rear udder width	110	narrow							wide
Rear udder height	110	low							high
Susp. ligament	91	weak							strong
Udder depth	97	deep							shallow
Fore udder att.	105	loose							tight
Udder balance	103	staged							inclined
Teat length	99	short							long
Teat thickness	98	thin							thick
Teat placem. (front)	99	wide							close
Teat placem. (rear)	103	wide							close
Teat direction (rear)	105	outwards							inwards
Udder cleanness	101	add. teats							clean udder

Vallejo Pp*

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

aAa **432561**

VALID
VASSLI
ARQUTTE

RUBI
5/5 9634 3,75 361 3,43 330

WACHTER Pp*
RITA
6/6 9861 4,00 394 3,64 359

JULENG

Type | **Longevity** | **Butterfat**

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2023) **TMI 129** 74%

MILK INDEX **MI 120** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+684	+0,03	+32	+0,00	+25

BEEF PERFORMANCE **BI 113** 63%

Daily net gain	Carcass percentage	Carcass grade
112	103	106

FUNCTIONAL TRAITS **FIT 108** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	111	109	112	94	104	97	93	125

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**113**								
Rump	**104**								
Feet & Legs	**108**								
Udder	**118**								
Final Score	**117**								
Muscling	109	light							heavy
Height at cross	114	small							large
Chest width	109	shallow							deep
Body depth	114	shallow							deep
Backline	94	weak							strong
Rump length	116	short							long
Rump width	113	narrow							wide
Rump angle	85	ascending							sloped
Thurl position	97	in the back							in the centre
Hock angularity	96	straight							sickled
Hock develop.	92	swollen							dry
Pasterns	107	weak							strong
Foot angle	109	low angles							steep angles
Fore udder length	106	short							long
Rear udder width	101	narrow							wide
Rear udder height	106	low							high
Susp. ligament	102	weak							strong
Udder depth	110	deep							shallow
Fore udder att.	115	loose							tight
Udder balance	101	staged							inclined
Teat length	99	short							long
Teat thickness	87	thin							thick
Teat placem. (front)	106	wide							close
Teat placem. (rear)	107	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	103	add. teats							clean udder

Our potential

Boost the profitability of your herd

GERMAN FLECKVIEH

BROWN SWISS

HOLSTEIN

RED HOLSTEIN

ANGLER

JERSEY

FLECKVIEH BEEF / SIMMENTAL

BLONDE D'AQUITAINE

PINZGAUER

MURNAU-WERDENFELSER

BELGIAN-BLUE

WAGYU

LIMOUSIN

PIEMONTESER

Original Braunvieh

Boost the profitability of your herd

Original Braunvieh is the original form of the Brown Swiss breed which has been existing in Germany, Austria and Switzerland for hundreds of years. It's an old dual purpose breed for milk and beef. The breed is well adapted to grazing systems on the high Alpine pastures. Due to that, it is a very robust type of cow with hard, black hooves and a high performance under extensive conditions. The medium-sized cattle have a deep body with strong bone structure and good muscularity. The lower milk production of Original Braunvieh – lactation production is at approx. 6,000 kg milk with 3.8 % fat and 3.5 % protein – compared to Brown Swiss cattle is compensated by clearly better fattening ability and meat quality. Daily weight gains of 1,200 to 1,300 g are possible.

ASK US FOR MORE ORIGINAL BRAUNVIEH SIRES!

LANDADEL
10/346520:

V: Landgraf CH 120.1084.6233.2
M: Nelke DE 09 46661618
7/7 7.136 3,97 3,42
HL 6 8.458 3,82 3,44 614

PEPE
10/346780:

V: Perseus DE 09 79333759
M: Gundi DE 05 38927301
3/2,2 5.993 4,67 3,62

VERON
10/877499:

V: Vero U-Bach CH 120.078.454.467
M: Hulda DE 09 52194806
2/1 5.443 3,63 3,46 386

WILDFANG
10/435437:

V: Wurf DE 08 01040484
M: Blüte DE 08 12817775
13/ 12.4 4965 4.16 207 3.46 217

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.auspräg.	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

GERMAN BROWN SWISS

IS THE EPITOME OF

SUSTAINABILITY - ADAPTABILITY - ANIMAL WELFARE

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