2024
GERMAN BROWN SWISS

Sire Catalogue
Proofs: April 2024

"BROWN SWISS IS MY PASSION...

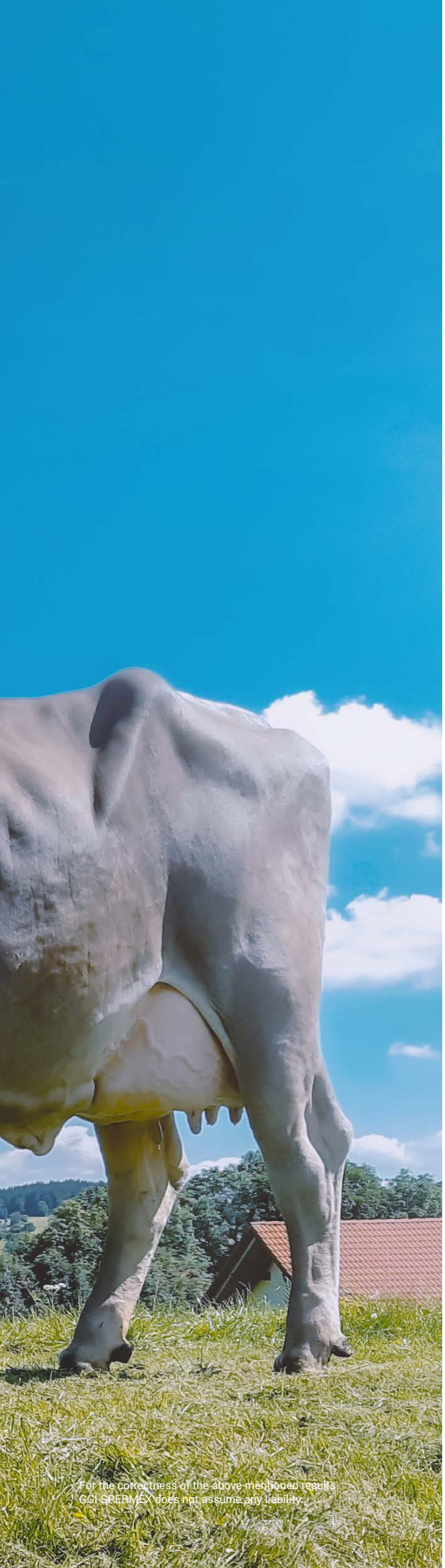
I LOVE THEM FOR THEIR

LONGEVITY ▪ HARDINESS ▪ BEAUTY

AND ABOVE ALL FOR THEIR CHARACTER!

FRANZISKA MILLER,
PASSIONATE BROWN SWISS BREEDER
FROM THE ALLGÄU REGION
(SOUTHERN GERMANY)

A. Grewe



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

About GGI-SPERMEX

About GGI-SPERMEX

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

Unique portfolio

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

Reliable genetics

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

Safe products

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

Vast experience

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

Additional service

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

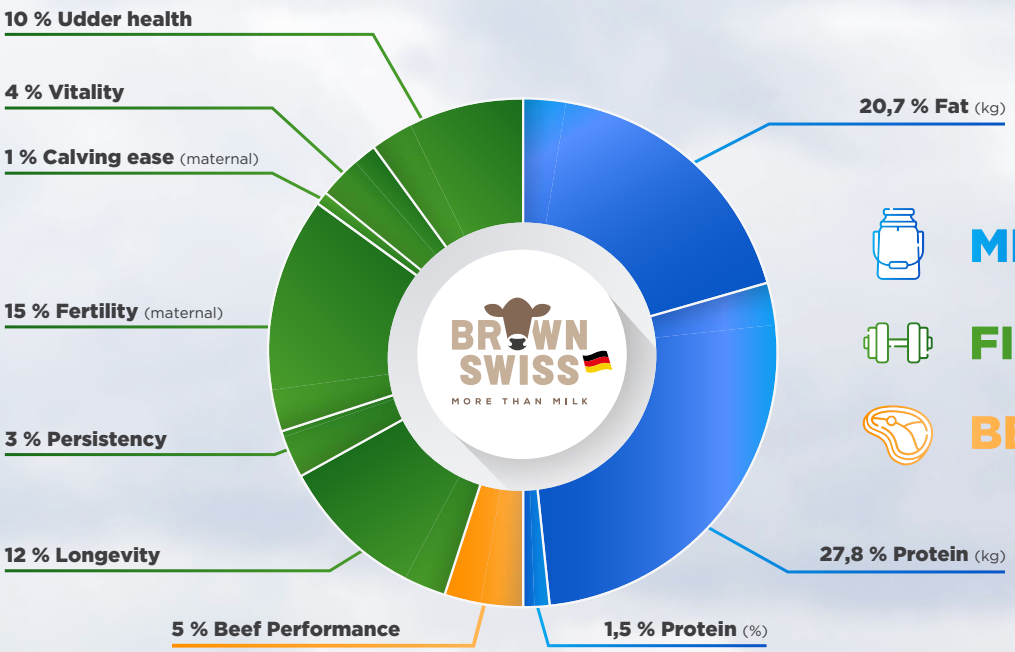
Production and sustainability

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

Don't hesitate to contact us!

GZW - Gesamtzuchtwert / TMI - Total Merit Index

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



Enjoy the benefits of Brown Swiss:

- Vitality
- Adaptability
- Robustness
- Milk components
- Longevity
- Calm temper
- Strong feet & legs
- Udder quality and health
- Strong will for milk
- 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 of 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.

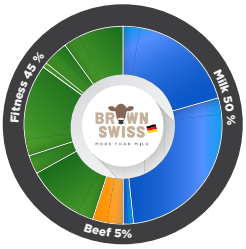
Brown Swiss
Broad variety of bloodlines available!
Luca Nolli

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
Implementation of modern breeding methods!
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
Careful selection of A.I. sires!
Luca Nolli

Ideal choice for crossbreeding

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

Brown Swiss
The ideal choice for crossbreeding!
Katrin Thoma

progeny tested

Husold

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

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

HUSSLI
LAURA

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

DENMARK *TM

Milk **Fitness** **Fertility**

AB

progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 140** 98%

MILK INDEX (D: 915, H: 466) **MI 115** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+747	-0,15	+19	-0,04	+23

BEEF PERFORMANCE **BI 110** 95%

Daily net gain	Carcass percentage	Carcass grade
108	103	105

FUNCTIONAL TRAITS **FIT 123** 98%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	117	122	112	106	100	119	106	127

Indienne, daughter of Husold, France

LINEAR DESCRIPTION 286 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**97**			
Rump	**97**			
Feet & Legs	**106**			
Udder	**104**			
Final Score	**102**			
Muscling	89	light		heavy
Height at cross	107	small		large
Chest width	88	shallow		deep
Body depth	97	shallow		deep
Backline	89	weak		strong
Rump length	98	short		long
Rump width	99	narrow		wide
Rump angle	112	ascending		sloped
Thurl position	87	in the back		in the centre
Hock angularity	92	straight		sickled
Hock develop.	111	swollen		dry
Pasterns	99	weak		strong
Foot angle	97	low angles		steep angles
Fore udder length	104	short		long
Rear udder width	98	narrow		wide
Rear udder height	112	low		high
Susp. ligament	88	weak		strong
Udder depth	106	deep		shallow
Fore udder att.	97	loose		tight
Udder balance	91	staged		inclined
Teat length	102	short		long
Teat thickness	93	thin		thick
Teat placem. (front)	100	wide		close
Teat placem. (rear)	101	wide		close
Teat direction (rear)	102	outwards		inwards
Udder cleanness	99	add. teats		clean udder

Valor

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

VASSLI
RUMBA
5/4 11028 3,91 432 3,44 380

VASIR
BOUNTY

ETOSCHA
RUTH
5/5 7319 3,86 283 3,80 278

HUCK

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

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 137** 89%

MILK INDEX (D: 66, H: 60) **MI 127** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1130	-0,01	+47	-0,07	+34

BEEF PERFORMANCE **BI 103** 73%

Daily net gain	Carcass percentage	Carcass grade
104	100	98

FUNCTIONAL TRAITS **FIT 105** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
113	100	107	102	99	100	105	101	125

Lydia, daughter of Valor

LINEAR DESCRIPTION 46 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**118**			
Rump	**113**			
Feet & Legs	**107**			
Udder	**108**			
Final Score	**114**			
Muscling	91	light		heavy
Height at cross	123	small		large
Chest width	108	shallow		deep
Body depth	112	shallow		deep
Backline	104	weak		strong
Rump length	116	short		long
Rump width	107	narrow		wide
Rump angle	107	ascending		sloped
Thurl position	110	in the back		in the centre
Hock angularity	112	straight		sickled
Hock develop.	114	swollen		dry
Pasterns	104	weak		strong
Foot angle	112	low angles		steep angles
Fore udder length	104	short		long
Rear udder width	96	narrow		wide
Rear udder height	101	low		high
Susp. ligament	104	weak		strong
Udder depth	112	deep		shallow
Fore udder att.	99	loose		tight
Udder balance	108	staged		inclined
Teat length	104	short		long
Teat thickness	94	thin		thick
Teat placem. (front)	99	wide		close
Teat placem. (rear)	106	wide		close
Teat direction (rear)	104	outwards		inwards
Udder cleanness	91	add. teats		clean udder

Leonhard

HB No. 10/435426
LOM DE 08 17009257
Born 25.09.2018

aAa **654123**

LUTHER — BRADLEY / IRIA
KATRIN 2/1 6771 4,64 314 3,81 258 — **GS HUVI** KERSTIN 4/4 9929 3,92 389 3,64 362 — **JOEL**

Bloodline	Milk	Fat %

A1A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 136** 89%

MILK INDEX (D: 184, H: 109) **MI 126** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+973	+0,08	+48	-0,06	+30

BEEF PERFORMANCE **BI 107** 90%

Daily net gain	Carcass percentage	Carcass grade
107	106	92

FUNCTIONAL TRAITS **FIT 106** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	105	102	100	100	101	108	98	117

Kada, great granddam of Leonhard

LINEAR DESCRIPTION 95 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Rump	**107**		
Feet & Legs	**100**		
Udder	**95**		
Final Score	**103**		
Muscling	90	light	heavy
Height at cross	110	small	large
Chest width	106	shallow	deep
Body depth	107	shallow	deep
Backline	100	weak	strong
Rump length	112	short	long
Rump width	100	narrow	wide
Rump angle	99	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	103	weak	strong
Foot angle	93	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	102	narrow	wide
Rear udder height	109	low	high
Susp. ligament	102	weak	strong
Udder depth	93	deep	shallow
Fore udder att.	90	loose	tight
Udder balance	88	staged	inclined
Teat length	107	short	long
Teat thickness	116	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	103	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 7/6 10816 4,71 509 3,68 398 — **JUPAZ (M*)**

Components	Udder	Udder health

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 135** 98%

MILK INDEX (D: 1127, H: 662) **MI 122** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+333	+0,38	+45	+0,13	+22

BEEF PERFORMANCE **BI 83** 95%

Daily net gain	Carcass percentage	Carcass grade
88	87	92

FUNCTIONAL TRAITS **FIT 111** 98%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	116	93	107	101	102	107	99	122

Daughter of Hebron

LINEAR DESCRIPTION 298 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**83**		
Rump	**79**		
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	89	shallow	deep
Backline	87	weak	strong
Rump length	79	short	long
Rump width	105	narrow	wide
Rump angle	84	ascending	sloped
Thurl position	95	in the back	in the centre
Hock angularity	87	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	109	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	97	short	long
Rear udder width	103	narrow	wide
Rear udder height	118	low	high
Susp. ligament	104	weak	strong
Udder depth	105	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	96	staged	inclined
Teat length	102	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

progeny tested

Sansibar

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

GS SINATRA
SEASIDEBLOOM
RIANA

ZARA 28
7/7 8770 4,43 389 3,44 302

VASIR
ZAMBA
6/6 9089 3,86 351 3,81 346

PRESIDENT ET

Fitness | **Type** | **Protein %**

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 135** 89%

MILK INDEX (D: 67, H: 42) **MI 120** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+693	-0,03	+27	+0,06	+30

BEEF PERFORMANCE **BI 91** 85%

Daily net gain	Carcass percentage	Carcass grade
97	88	94

FUNCTIONAL TRAITS **FIT 116** 85%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	113	114	113	94	92	111	95	124

LINEAR DESCRIPTION 36 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**113**								
Rump	**115**								
Feet & Legs	**110**								
Udder	**115**								
Final Score	**118**								
Muscling	110	light							heavy
Height at cross	108	small							large
Chest width	114	shallow							deep
Body depth	104	shallow							deep
Backline	111	weak							strong
Rump length	111	short							long
Rump width	111	narrow							wide
Rump angle	102	ascending							sloped
Thurl position	109	in the back							in the centre
Hock angularity	85	straight							sickled
Hock develop.	81	swollen							dry
Pasterns	115	weak							strong
Foot angle	112	low angles							steep angles
Fore udder length	107	short							long
Rear udder width	98	narrow							wide
Rear udder height	99	low							high
Susp. ligament	97	weak							strong
Udder depth	117	deep							shallow
Fore udder att.	111	loose							tight
Udder balance	99	staged							inclined
Teat length	94	short							long
Teat thickness	108	thin							thick
Teat placem. (front)	100	wide							close
Teat placem. (rear)	107	wide							close
Teat direction (rear)	107	outwards							inwards
Udder cleanness	104	add. teats							clean udder

Sion

HB No. 10/346620
LOM DE 09 53248743
Born 09.08.2018

GS SINATRA
SEASIDEBLOOM
RIANA

REBE
5/4 10230 3,67 376 3,69 378

CADENCE
RESEDA
6/6 9812 4,26 418 3,57 350

VASIR

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

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 134** 91%

MILK INDEX (D: 202, H: 172) **MI 120** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+907	-0,05	+34	-0,07	+26

BEEF PERFORMANCE **BI 96** 83%

Daily net gain	Carcass percentage	Carcass grade
100	88	101

FUNCTIONAL TRAITS **FIT 112** 86%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
113	118	94	110	101	105	105	100	123

Binia, daughter of Sion

LINEAR DESCRIPTION 49 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**103**								
Rump	**106**								
Feet & Legs	**103**								
Udder	**111**								
Final Score	**108**								
Muscling	108	light							heavy
Height at cross	101	small							large
Chest width	94	shallow							deep
Body depth	100	shallow							deep
Backline	109	weak							strong
Rump length	99	short							long
Rump width	101	narrow							wide
Rump angle	97	ascending							sloped
Thurl position	109	in the back							in the centre
Hock angularity	95	straight							sickled
Hock develop.	94	swollen							dry
Pasterns	105	weak							strong
Foot angle	94	low angles							steep angles
Fore udder length	97	short							long
Rear udder width	99	narrow							wide
Rear udder height	103	low							high
Susp. ligament	92	weak							strong
Udder depth	110	deep							shallow
Fore udder att.	107	loose							tight
Udder balance	98	staged							inclined
Teat length	92	short							long
Teat thickness	87	thin							thick
Teat placem. (front)	107	wide							close
Teat placem. (rear)	109	wide							close
Teat direction (rear)	105	outwards							inwards
Udder cleanness	101	add. teats							clean udder

Andaman

HB No. 10/346720
LOM DE 09 54363396
Born 15.01.2019

aAa **642153**

ANTONOV — ANIBAY / NOUGAT
GABOR 5/4 11296 4,67 527 3,68 416 — **DANE** GABI 8/7 10356 4,62 479 3,93 407 — **HURAY**

Type	Milk	Udder

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 134** 90%

MILK INDEX (D: 203, H: 153) **MI 119** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+797	-0,01	+33	-0,06	+23

BEEF PERFORMANCE **BI 98** 87%

Daily net gain	Carcass percentage	Carcass grade
103	96	92

FUNCTIONAL TRAITS **FIT 113** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
87	104	114	105	101	103	111	111	126

Daughter of Andaman

LINEAR DESCRIPTION 63 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**109**			
Rump	**92**			
Feet & Legs	**108**			
Udder	**116**			
Final Score	**112**			
Muscling	83	light		heavy
Height at cross	113	small		large
Chest width	98	shallow		deep
Body depth	109	shallow		deep
Backline	115	weak		strong
Rump length	110	short		long
Rump width	91	narrow		wide
Rump angle	89	ascending		sloped
Thurl position	88	in the back		in the centre
Hock angularity	109	straight		sickled
Hock develop.	105	swollen		dry
Pasterns	101	weak		strong
Foot angle	113	low angles		steep angles
Fore udder length	103	short		long
Rear udder width	105	narrow		wide
Rear udder height	109	low		high
Susp. ligament	100	weak		strong
Udder depth	103	deep		shallow
Fore udder att.	99	loose		tight
Udder balance	102	staged		inclined
Teat length	91	short		long
Teat thickness	102	thin		thick
Teat placem. (front)	120	wide		close
Teat placem. (rear)	109	wide		close
Teat direction (rear)	107	outwards		inwards
Udder cleanness	99	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**

Fat %	Fitness	Fertility

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 133** 92%

MILK INDEX (D: 152, H: 115) **MI 120** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+522	+0,22	+40	+0,02	+21

BEEF PERFORMANCE **BI 96** 83%

Daily net gain	Carcass percentage	Carcass grade
101	92	93

FUNCTIONAL TRAITS **FIT 112** 89%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	108	94	107	109	103	114	102	122

Sandra, daughter of Vasmor

LINEAR DESCRIPTION 73 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**105**			
Rump	**94**			
Feet & Legs	**99**			
Udder	**108**			
Final Score	**104**			
Muscling	95	light		heavy
Height at cross	105	small		large
Chest width	100	shallow		deep
Body depth	106	shallow		deep
Backline	94	weak		strong
Rump length	107	short		long
Rump width	98	narrow		wide
Rump angle	81	ascending		sloped
Thurl position	102	in the back		in the centre
Hock angularity	105	straight		sickled
Hock develop.	102	swollen		dry
Pasterns	102	weak		strong
Foot angle	102	low angles		steep angles
Fore udder length	98	short		long
Rear udder width	86	narrow		wide
Rear udder height	106	low		high
Susp. ligament	108	weak		strong
Udder depth	110	deep		shallow
Fore udder att.	119	loose		tight
Udder balance	102	staged		inclined
Teat length	111	short		long
Teat thickness	94	thin		thick
Teat placem. (front)	95	wide		close
Teat placem. (rear)	96	wide		close
Teat direction (rear)	93	outwards		inwards
Udder cleanness	102	add. teats		clean udder

progeny tested

progeny tested

Pukari

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

aAa **516432**

AG PUCK — PREJULA / ORSELIA
1005 7/6 10497 4,85 509 3,89 409 — **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 2024) **TMI 133** 92%

MILK INDEX (D: 132, H: 111) **MI 120** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+811	-0,05	+30	-0,01	+28

BEEF PERFORMANCE **BI 108** 80%

Daily net gain	Carcass percentage	Carcass grade
105	103	108

FUNCTIONAL TRAITS **FIT 109** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
89	104	110	110	103	97	102	111	121

1059, daughter of Pukari

LINEAR DESCRIPTION 71 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**99**		
Rump	**99**		
Feet & Legs	**106**		
Udder	**106**		
Final Score	**103**		
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	95	short	long
Rump width	93	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	98	in the back	in the centre
Hock angularity	102	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	98	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	107	short	long
Rear udder width	111	narrow	wide
Rear udder height	101	low	high
Susp. ligament	110	weak	strong
Udder depth	94	deep	shallow
Fore udder att.	97	loose	tight
Udder balance	103	staged	inclined
Teat length	94	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	113	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 2024) **TMI 133** 97%

MILK INDEX (D: 878, H: 459) **MI 115** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1083	-0,39	+11	-0,11	+30

BEEF PERFORMANCE **BI 108** 96%

Daily net gain	Carcass percentage	Carcass grade
107	106	100

FUNCTIONAL TRAITS **FIT 114** 95%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
114	99	121	114	102	100	113	103	130

Ellen, daughter of Canyon

LINEAR DESCRIPTION 452 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**100**		
Rump	**102**		
Feet & Legs	**107**		
Udder	**116**		
Final Score	**110**		
Muscling	88	light	heavy
Height at cross	110	small	large
Chest width	96	shallow	deep
Body depth	103	shallow	deep
Backline	87	weak	strong
Rump length	108	short	long
Rump width	97	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	98	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	110	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	112	short	long
Rear udder width	107	narrow	wide
Rear udder height	112	low	high
Susp. ligament	99	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	117	staged	inclined
Teat length	94	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	93	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	102	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

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	Fat %	Capacity

A2A2

BB

progeny tested

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

MILK INDEX (D: 119, H: 93) **MI 122** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+522	+0,28	+45	+0,04	+22

BEEF PERFORMANCE **BI 104** 82%

Daily net gain	Carcass percentage	Carcass grade
105	98	99

FUNCTIONAL TRAITS **FIT 105** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	111	97	109	101	88	99	98	118

Medina, daughter of Vasary

LINEAR DESCRIPTION 60 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**113**								
Rump	**115**								
Feet & Legs	**107**								
Udder	**106**								
Final Score	**111**								
Muscling	113	light							heavy
Height at cross	107	small							large
Chest width	116	shallow							deep
Body depth	119	shallow							deep
Backline	88	weak							strong
Rump length	114	short							long
Rump width	104	narrow							wide
Rump angle	97	ascending							sloped
Thurl position	117	in the back							in the centre
Hock angularity	108	straight							sickled
Hock develop.	96	swollen							dry
Pasterns	106	weak							strong
Foot angle	108	low angles							steep angles
Fore udder length	108	short							long
Rear udder width	100	narrow							wide
Rear udder height	99	low							high
Susp. ligament	103	weak							strong
Udder depth	102	deep							shallow
Fore udder att.	107	loose							tight
Udder balance	120	staged							inclined
Teat length	97	short							long
Teat thickness	85	thin							thick
Teat placem. (front)	97	wide							close
Teat placem. (rear)	107	wide							close
Teat direction (rear)	107	outwards							inwards
Udder cleanness	102	add. teats							clean udder

Vavio

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

VAVIGO — VASSLI / NORIS
BONITA 9/9 10448 3,69 386 3,49 364 — **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 2024) **TMI 130** 94%

MILK INDEX (D: 214, H: 116) **MI 114** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+795	-0,23	+14	-0,04	+25

BEEF PERFORMANCE **BI 108** 89%

Daily net gain	Carcass percentage	Carcass grade
105	104	104

FUNCTIONAL TRAITS **FIT 113** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	110	124	108	100	104	107	97	125

Noris, granddam of Vavio, 4th lac.

LINEAR DESCRIPTION 135 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**107**								
Rump	**91**								
Feet & Legs	**103**								
Udder	**111**								
Final Score	**108**								
Muscling	97	light							heavy
Height at cross	111	small							large
Chest width	98	shallow							deep
Body depth	106	shallow							deep
Backline	93	weak							strong
Rump length	99	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	110	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	107	deep							shallow
Fore udder att.	98	loose							tight
Udder balance	96	staged							inclined
Teat length	106	short							long
Teat thickness	85	thin							thick
Teat placem. (front)	103	wide							close
Teat placem. (rear)	98	wide							close
Teat direction (rear)	98	outwards							inwards
Udder cleanness	99	add. teats							clean udder

progeny tested

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	Fat %	Type
		A2A2
		BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 130** 94%

MILK INDEX (D: 434, H: 266) **MI 114** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+381	+0,19	+31	+0,01	+14

BEEF PERFORMANCE **BI 103** 94%

Daily net gain	Carcass percentage	Carcass grade
106	91	99

FUNCTIONAL TRAITS **FIT 114** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	110	104	113	98	104	116	82	122

LINEAR DESCRIPTION 172 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**112**								
Rump	**102**								
Feet & Legs	**110**								
Udder	**112**								
Final Score	**113**								
Muscling	108	light							heavy
Height at cross	116	small							large
Chest width	109	shallow							deep
Body depth	107	shallow							deep
Backline	102	weak							strong
Rump length	111	short							long
Rump width	110	narrow							wide
Rump angle	90	ascending							sloped
Thurl position	98	in the back							in the centre
Hock angularity	93	straight							sickled
Hock develop.	92	swollen							dry
Pasterns	110	weak							strong
Foot angle	113	low angles							steep angles
Fore udder length	102	short							long
Rear udder width	100	narrow							wide
Rear udder height	103	low							high
Susp. ligament	101	weak							strong
Udder depth	110	deep							shallow
Fore udder att.	110	loose							tight
Udder balance	90	staged							inclined
Teat length	110	short							long
Teat thickness	98	thin							thick
Teat placem. (front)	99	wide							close
Teat placem. (rear)	91	wide							close
Teat direction (rear)	90	outwards							inwards
Udder cleanness	99	add. teats							clean udder

Vidal P*S

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

aAa **261453**

AG VIPER Pp* — AG VANPARI / HELLO Pp
PAULI 7/7 9397 4,65 437 3,74 352 — **HEGALL** PAULINE 2/2 8987 4,52 406 3,90 351 — **VASIR**

Components	Type	Fitness
	A1A2	
	AB	

progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 129** 94%

MILK INDEX (D: 243, H: 170) **MI 116** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+294	+0,16	+26	+0,12	+21

BEEF PERFORMANCE **BI 102** 85%

Daily net gain	Carcass percentage	Carcass grade
104	98	96

FUNCTIONAL TRAITS **FIT 111** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
84	104	94	112	94	111	111	99	118

1598, daughter of Vidal PS

LINEAR DESCRIPTION 85 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**107**								
Rump	**107**								
Feet & Legs	**111**								
Udder	**110**								
Final Score	**112**								
Muscling	90	light							heavy
Height at cross	106	small							large
Chest width	98	shallow							deep
Body depth	106	shallow							deep
Backline	106	weak							strong
Rump length	104	short							long
Rump width	95	narrow							wide
Rump angle	103	ascending							sloped
Thurl position	101	in the back							in the centre
Hock angularity	99	straight							sickled
Hock develop.	108	swollen							dry
Pasterns	112	weak							strong
Foot angle	94	low angles							steep angles
Fore udder length	112	short							long
Rear udder width	112	narrow							wide
Rear udder height	111	low							high
Susp. ligament	104	weak							strong
Udder depth	101	deep							shallow
Fore udder att.	105	loose							tight
Udder balance	101	staged							inclined
Teat length	89	short							long
Teat thickness	85	thin							thick
Teat placem. (front)	106	wide							close
Teat placem. (rear)	111	wide							close
Teat direction (rear)	111	outwards							inwards
Udder cleanness	95	add. teats							clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Sidence

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

aAa **234165**

GS SINATRA — SEASIDEBLOOM RIANA
1314 6/5 10515 4,37 460 3,90 410 — **CADENCE** 1186 8/8 11217 4,27 479 3,75 421 — **GS HUXOY**

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 129** 95%

MILK INDEX (D: 394, H: 295) **MI 115** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+807	-0,14	+22	-0,08	+23

BEEF PERFORMANCE **BI 103** 86%

Daily net gain	Carcass percentage	Carcass grade
104	96	100

FUNCTIONAL TRAITS **FIT 112** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	112	101	107	102	105	111	95	121

Daughter of Sidence

LINEAR DESCRIPTION 142 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Rump	**98**		
Feet & Legs	**104**		
Udder	**104**		
Final Score	**104**		
Muscling	98	light	heavy
Height at cross	103	small	large
Chest width	95	shallow	deep
Body depth	100	shallow	deep
Backline	102	weak	strong
Rump length	100	short	long
Rump width	85	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	103	in the back	in the centre
Hock angularity	108	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	92	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	93	short	long
Rear udder width	101	narrow	wide
Rear udder height	103	low	high
Susp. ligament	87	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	87	staged	inclined
Teat length	93	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	90	outwards	inwards
Udder cleanness	93	add. teats	clean udder

Vaclav

HB No. 10/346670
LOM DE 09 53407185
Born 02.12.2018

AG VADUZ — AG VAPIANO OBRAX
ANTONIE 6/4 10770 3,81 410 3,54 382 — **HACKER** ADRIA 5/5 9619 3,61 348 3,52 338 — **JOSCHKA**

Milk | **Udder health** | **Cell count**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 128** 87%

MILK INDEX (D: 106, H: 95) **MI 117** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+814	-0,08	+28	-0,09	+22

BEEF PERFORMANCE **BI 100** 81%

Daily net gain	Carcass percentage	Carcass grade
102	94	102

FUNCTIONAL TRAITS **FIT 110** 83%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	118	109	106	108	103	97	106	121

Antonie, dam of Vaclav, 2nd lac.

LINEAR DESCRIPTION 41 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Rump	**107**		
Feet & Legs	**104**		
Udder	**110**		
Final Score	**112**		
Muscling	111	light	heavy
Height at cross	106	small	large
Chest width	109	shallow	deep
Body depth	105	shallow	deep
Backline	87	weak	strong
Rump length	108	short	long
Rump width	103	narrow	wide
Rump angle	101	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	92	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	100	short	long
Rear udder width	91	narrow	wide
Rear udder height	102	low	high
Susp. ligament	108	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	105	staged	inclined
Teat length	125	short	long
Teat thickness	71	thin	thick
Teat placem. (front)	90	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	99	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 8/7 9262 4,17 387 3,87 358 — **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 2024) **TMI 127** 94%

MILK INDEX (D: 183, H: 106) **MI 118** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+47	+0,46	+38	+0,19	+17

BEEF PERFORMANCE **BI 86** 88%

Daily net gain	Carcass percentage	Carcass grade
90	91	95

FUNCTIONAL TRAITS **FIT 108** 91%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	112	94	102	109	101	105	110	119

Zilli, daughter of Helau

LINEAR DESCRIPTION 100 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**95**		
Rump	**96**		
Feet & Legs	**111**		
Udder	**116**		
Final Score	**109**		
Muscling	95	light	heavy
Height at cross	94	small	large
Chest width	94	shallow	deep
Body depth	95	shallow	deep
Backline	97	weak	strong
Rump length	100	short	long
Rump width	101	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	98	in the back	in the centre
Hock angularity	102	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	116	weak	strong
Foot angle	115	low angles	steep angles
Fore udder length	98	short	long
Rear udder width	103	narrow	wide
Rear udder height	122	low	high
Susp. ligament	102	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	107	staged	inclined
Teat length	99	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	116	wide	close
Teat placem. (rear)	113	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	97	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 8/7 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 2024) **TMI 127** 96%

MILK INDEX (D: 518, H: 288) **MI 113** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+60	+0,38	+33	+0,08	+9

BEEF PERFORMANCE **BI 109** 91%

Daily net gain	Carcass percentage	Carcass grade
106	106	107

FUNCTIONAL TRAITS **FIT 112** 94%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
83	113	90	113	94	108	107	103	120

Larissa, daughter of Visor PS

LINEAR DESCRIPTION 395 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**111**		
Rump	**113**		
Feet & Legs	**110**		
Udder	**117**		
Final Score	**118**		
Muscling	119	light	heavy
Height at cross	107	small	large
Chest width	111	shallow	deep
Body depth	107	shallow	deep
Backline	102	weak	strong
Rump length	102	short	long
Rump width	106	narrow	wide
Rump angle	103	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	88	swollen	dry
Pasterns	116	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	100	short	long
Rear udder width	106	narrow	wide
Rear udder height	108	low	high
Susp. ligament	112	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	114	loose	tight
Udder balance	112	staged	inclined
Teat length	94	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	97	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Hallodri

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

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

Milk | **Vitality** | **Beef**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 126** 93%

MILK INDEX (D: 155, H: 134) **MI 113** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1034	-0,37	+11	-0,13	+26

BEEF PERFORMANCE **BI 115** 83%

Daily net gain	Carcass percentage	Carcass grade
116	98	104

FUNCTIONAL TRAITS **FIT 109** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	102	111	102	103	99	107	119	118

LINEAR DESCRIPTION 83 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**107**								
Rump	**102**								
Feet & Legs	**104**								
Udder	**103**								
Final Score	**106**								
Muscling	109	light							heavy
Height at cross	106	small							large
Chest width	105	shallow							deep
Body depth	109	shallow							deep
Backline	90	weak							strong
Rump length	106	short							long
Rump width	96	narrow							wide
Rump angle	95	ascending							sloped
Thurl position	110	in the back							in the centre
Hock angularity	76	straight							sickled
Hock develop.	80	swollen							dry
Pasterns	107	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	95	weak							strong
Udder depth	95	deep							shallow
Fore udder att.	110	loose							tight
Udder balance	113	staged							inclined
Teat length	89	short							long
Teat thickness	105	thin							thick
Teat placem. (front)	92	wide							close
Teat placem. (rear)	95	wide							close
Teat direction (rear)	96	outwards							inwards
Udder cleanness	101	add. teats							clean udder

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**

Udder | **Fat %** | **Feet & legs**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 125** 95%

MILK INDEX (D: 690, H: 426) **MI 121** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+644	+0,23	+47	-0,02	+21

BEEF PERFORMANCE **BI 95** 93%

Daily net gain	Carcass percentage	Carcass grade
97	99	95

FUNCTIONAL TRAITS **FIT 98** 93%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	115	99	101	101	107	83	101	119

Daughter of Vaselino

LINEAR DESCRIPTION 131 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**104**								
Rump	**104**								
Feet & Legs	**114**								
Udder	**115**								
Final Score	**113**								
Muscling	88	light							heavy
Height at cross	109	small							large
Chest width	101	shallow							deep
Body depth	110	shallow							deep
Backline	84	weak							strong
Rump length	114	short							long
Rump width	107	narrow							wide
Rump angle	90	ascending							sloped
Thurl position	103	in the back							in the centre
Hock angularity	105	straight							sickled
Hock develop.	120	swollen							dry
Pasterns	103	weak							strong
Foot angle	108	low angles							steep angles
Fore udder length	100	short							long
Rear udder width	99	narrow							wide
Rear udder height	116	low							high
Susp. ligament	114	weak							strong
Udder depth	111	deep							shallow
Fore udder att.	104	loose							tight
Udder balance	104	staged							inclined
Teat length	100	short							long
Teat thickness	94	thin							thick
Teat placem. (front)	98	wide							close
Teat placem. (rear)	114	wide							close
Teat direction (rear)	115	outwards							inwards
Udder cleanness	102	add. teats							clean udder

progeny tested

progeny tested

Davinci

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

aAa **423615**

DARIO — PAYSSLI / ALIBABA DAVO

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

Udder	Fitness	Protein %

A1A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 125** 90%

MILK INDEX (D: 59, H: 57) **MI 108** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+326	-0,08	+7	+0,04	+15

BEEF PERFORMANCE **BI 100** 77%

Daily net gain	Carcass percentage	Carcass grade
101	98	102

FUNCTIONAL TRAITS **FIT 119** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	115	104	116	98	104	114	99	120

Fait, dam of Davinci, 2nd lac.

LINEAR DESCRIPTION 40 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**98**								
Rump	**99**								
Feet & Legs	**107**								
Udder	**117**								
Final Score	**108**								
Muscling	97	light							heavy
Height at cross	106	small							large
Chest width	98	shallow							deep
Body depth	98	shallow							deep
Backline	88	weak							strong
Rump length	105	short							long
Rump width	97	narrow							wide
Rump angle	98	ascending							sloped
Thurl position	93	in the back							in the centre
Hock angularity	96	straight							sickled
Hock develop.	100	swollen							dry
Pasterns	106	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	110	short							long
Rear udder width	111	narrow							wide
Rear udder height	109	low							high
Susp. ligament	95	weak							strong
Udder depth	108	deep							shallow
Fore udder att.	110	loose							tight
Udder balance	93	staged							inclined
Teat length	91	short							long
Teat thickness	106	thin							thick
Teat placem. (front)	113	wide							close
Teat placem. (rear)	109	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	103	add. teats							clean udder

Dejavu

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

aAa **243615**

DANE — CADENCE / ALIBABA DAVO

DANI 6/5 10714 3,95 423 3,53 379 — **ZEPHIR** DORI 3/3 9221 3,66 337 3,68 339 — **HURAY**

Type	Components	Udder health

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 124** 83%

MILK INDEX (D: 35, H: 29) **MI 120** 90%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+501	+0,11	+30	+0,11	+27

BEEF PERFORMANCE **BI 99** 88%

Daily net gain	Carcass percentage	Carcass grade
103	91	96

FUNCTIONAL TRAITS **FIT 101** 83%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	109	108	91	96	103	98	99	114

Dani, dam of Dejavu, 3rd. lac.

LINEAR DESCRIPTION 15 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**124**								
Rump	**108**								
Feet & Legs	**104**								
Udder	**114**								
Final Score	**119**								
Muscling	88	light							heavy
Height at cross	127	small							large
Chest width	109	shallow							deep
Body depth	119	shallow							deep
Backline	106	weak							strong
Rump length	121	short							long
Rump width	112	narrow							wide
Rump angle	99	ascending							sloped
Thurl position	90	in the back							in the centre
Hock angularity	105	straight							sickled
Hock develop.	105	swollen							dry
Pasterns	102	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	114	short							long
Rear udder width	115	narrow							wide
Rear udder height	106	low							high
Susp. ligament	100	weak							strong
Udder depth	110	deep							shallow
Fore udder att.	105	loose							tight
Udder balance	113	staged							inclined
Teat length	103	short							long
Teat thickness	106	thin							thick
Teat placem. (front)	100	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	101	outwards							inwards
Udder cleanness	100	add. teats							clean udder

Bloomlord

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

aAa **243615**

BLOOMING — GLENN BEVERLY
15343 8/7 9416 3,98 375 3,30 310 — **HURAY** 448 7/7 8757 4,03 353 3,24 284 — **HUCOS**

Type	Milk	Udder health

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 124** 91%

MILK INDEX (D: 149, H: 100) **MI 114** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+929	-0,24	+18	-0,12	+23

BEEF PERFORMANCE **BI 97** 88%

Daily net gain	Carcass percentage	Carcass grade
99	103	90

FUNCTIONAL TRAITS **FIT 109** 87%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	112	103	107	96	98	103	100	116

Daughter of Bloomlord

LINEAR DESCRIPTION 75 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**117**								
Rump	**125**								
Feet & Legs	**106**								
Udder	**117**								
Final Score	**119**								
Muscling	102	light							heavy
Height at cross	112	small							large
Chest width	107	shallow							deep
Body depth	112	shallow							deep
Backline	125	weak							strong
Rump length	119	short							long
Rump width	121	narrow							wide
Rump angle	108	ascending							sloped
Thurl position	108	in the back							in the centre
Hock angularity	91	straight							sickled
Hock develop.	96	swollen							dry
Pasterns	104	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	117	short							long
Rear udder width	108	narrow							wide
Rear udder height	109	low							high
Susp. ligament	110	weak							strong
Udder depth	105	deep							shallow
Fore udder att.	106	loose							tight
Udder balance	93	staged							inclined
Teat length	93	short							long
Teat thickness	87	thin							thick
Teat placem. (front)	113	wide							close
Teat placem. (rear)	122	wide							close
Teat direction (rear)	124	outwards							inwards
Udder cleanness	104	add. teats							clean udder

Visir Pp

HB No. 10/346680
LOM DE 09 54203661
Born 11.11.2018

VIDAL P*S — AG VIPER Pp* PAULI
BELLAMI 8/8 8935 4,34 388 4,02 359 — **HUSIR** BELLA 12/12 8050 4,58 368 4,29 345 — **NOFAK**

Components	Fitness	Fertility

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 124** 85%

MILK INDEX (D: 71, H: 59) **MI 110** 93%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+102	+0,19	+19	+0,09	+11

BEEF PERFORMANCE **BI 96** 81%

Daily net gain	Carcass percentage	Carcass grade
97	94	104

FUNCTIONAL TRAITS **FIT 116** 82%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	107	99	113	93	107	116	106	116

LINEAR DESCRIPTION 31 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**101**								
Rump	**111**								
Feet & Legs	**101**								
Udder	**111**								
Final Score	**109**								
Muscling	111	light							heavy
Height at cross	97	small							large
Chest width	100	shallow							deep
Body depth	102	shallow							deep
Backline	104	weak							strong
Rump length	97	short							long
Rump width	91	narrow							wide
Rump angle	117	ascending							sloped
Thurl position	118	in the back							in the centre
Hock angularity	98	straight							sickled
Hock develop.	97	swollen							dry
Pasterns	101	weak							strong
Foot angle	86	low angles							steep angles
Fore udder length	105	short							long
Rear udder width	98	narrow							wide
Rear udder height	99	low							high
Susp. ligament	106	weak							strong
Udder depth	102	deep							shallow
Fore udder att.	107	loose							tight
Udder balance	98	staged							inclined
Teat length	92	short							long
Teat thickness	104	thin							thick
Teat placem. (front)	108	wide							close
Teat placem. (rear)	114	wide							close
Teat direction (rear)	107	outwards							inwards
Udder cleanness	102	add. teats							clean udder

progeny tested

progeny tested

Hamburg

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

aAa **534612**

HACKER — HURAY / KONNI
BRIELA 8/8 7545 4,85 366 3,98 301 — **PADUA** BRITTA — **HUSIR** 10/10 8315 4,73 393 3,73 311

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 124** 93%

MILK INDEX (D: 143, H: 122) **MI 107** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+471	-0,11	+11	-0,09	+9

BEEF PERFORMANCE **BI 111** 88%

Daily net gain	Carcass percentage	Carcass grade
110	97	113

FUNCTIONAL TRAITS **FIT 118** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
115	104	97	125	102	107	113	107	116

Gitta, daughter of Hamburg

LINEAR DESCRIPTION 79 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**85**		
Rump	**94**		
Feet & Legs	**102**		
Udder	**108**		
Final Score	**98**		
Muscling	108	light	heavy
Height at cross	85	small	large
Chest width	87	shallow	deep
Body depth	82	shallow	deep
Backline	98	weak	strong
Rump length	85	short	long
Rump width	89	narrow	wide
Rump angle	102	ascending	sloped
Thurl position	90	in the back	in the centre
Hock angularity	103	straight	sickled
Hock develop.	113	swollen	dry
Pasterns	87	weak	strong
Foot angle	91	low angles	steep angles
Fore udder length	99	short	long
Rear udder width	103	narrow	wide
Rear udder height	102	low	high
Susp. ligament	103	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	102	staged	inclined
Teat length	88	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	118	wide	close
Teat direction (rear)	119	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Dorian

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

aAa **243651**

DARIO — PAYSSLI / ALIBABA DAVO
KESSY 6/6 9437 4,52 427 3,68 347 — **ANIBAL** 81376 — **VASIR** 5/5 11049 4,00 442 3,34 369

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 124** 96%

MILK INDEX (D: 540, H: 313) **MI 107** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
-12	+0,15	+11	+0,12	+9

BEEF PERFORMANCE **BI 115** 92%

Daily net gain	Carcass percentage	Carcass grade
114	103	104

FUNCTIONAL TRAITS **FIT 116** 95%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	121	94	115	99	104	108	103	119

Gina, daughter of Dorian

LINEAR DESCRIPTION 197 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Rump	**103**		
Feet & Legs	**108**		
Udder	**120**		
Final Score	**113**		
Muscling	98	light	heavy
Height at cross	108	small	large
Chest width	99	shallow	deep
Body depth	92	shallow	deep
Backline	107	weak	strong
Rump length	102	short	long
Rump width	97	narrow	wide
Rump angle	105	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	104	straight	sickled
Hock develop.	109	swollen	dry
Pasterns	105	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	102	short	long
Rear udder width	96	narrow	wide
Rear udder height	108	low	high
Susp. ligament	103	weak	strong
Udder depth	121	deep	shallow
Fore udder att.	116	loose	tight
Udder balance	96	staged	inclined
Teat length	86	short	long
Teat thickness	71	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	117	outwards	inwards
Udder cleanness	103	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Heimo

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

AG HEBRON — HEGALL / PASTA
1318 — **GS HIMALAYA** 299 — **HURAY**
7/6 10286 4,01 413 3,63 373
3/3 8573 4,44 381 3,86 331

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

A2A2
BB
progeny tested

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

MILK INDEX (D: 116, H: 105) **MI 120** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1107	-0,24	+26	-0,09	+32

BEEF PERFORMANCE **BI 81** 76%

Daily net gain	Carcass percentage	Carcass grade
87	88	86

FUNCTIONAL TRAITS **FIT 98** 88%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	109	101	98	95	100	90	103	113

Leni, daughter of Heimo

LINEAR DESCRIPTION 63 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Rump	**101**		
Feet & Legs	**113**		
Udder	**116**		
Final Score	**113**		
Muscling	97	light	heavy
Height at cross	101	small	large
Chest width	102	shallow	deep
Body depth	101	shallow	deep
Backline	99	weak	strong
Rump length	97	short	long
Rump width	101	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	109	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	104	short	long
Rear udder width	111	narrow	wide
Rear udder height	114	low	high
Susp. ligament	90	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	110	loose	tight
Udder balance	97	staged	inclined
Teat length	100	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	83	add. teats	clean udder

Anatol

HB No. 10/346710
LOM DE 09 54880243
Born 02.01.2019

ANTONOV — ANIBAY / NOUGAT
EMELIE — **HURAY** EVI — **JULENG**
7/6 10292 4,20 432 3,38 348
1/1 7030 4,22 297 3,34 235

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 122** 86%

MILK INDEX (D: 76, H: 70) **MI 120** 94%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1137	-0,15	+35	-0,18	+25

BEEF PERFORMANCE **BI 101** 84%

Daily net gain	Carcass percentage	Carcass grade
102	100	95

FUNCTIONAL TRAITS **FIT 97** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
96	99	112	102	102	90	88	105	116

LINEAR DESCRIPTION 38 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Rump	**102**		
Feet & Legs	**107**		
Udder	**110**		
Final Score	**111**		
Muscling	94	light	heavy
Height at cross	113	small	large
Chest width	101	shallow	deep
Body depth	109	shallow	deep
Backline	110	weak	strong
Rump length	111	short	long
Rump width	99	narrow	wide
Rump angle	103	ascending	sloped
Thurl position	89	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	99	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	107	short	long
Rear udder width	98	narrow	wide
Rear udder height	113	low	high
Susp. ligament	93	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	97	loose	tight
Udder balance	110	staged	inclined
Teat length	94	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	94	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	106	add. teats	clean udder

progeny tested

progeny tested

Piano

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

aAa **651423**

PIERO — ANIBAL / PIERA
LASVEGAS 5/5 8296 5,10 423 3,81 316 — **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 2024) **TMI 122** 95%

MILK INDEX (D: 729, H: 436) **MI 118** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+783	-0,09	+26	-0,02	+26

BEEF PERFORMANCE **BI 93** 95%

Daily net gain	Carcass percentage	Carcass grade
100	90	84

FUNCTIONAL TRAITS **FIT 100** 92%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	110	119	98	96	97	89	100	114

Daughter of Piano

LINEAR DESCRIPTION 291 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**116**			
Rump	**106**			
Feet & Legs	**103**			
Udder	**115**			
Final Score	**115**			
Muscling	92	light		heavy
Height at cross	116	small		large
Chest width	109	shallow		deep
Body depth	124	shallow		deep
Backline	92	weak		strong
Rump length	124	short		long
Rump width	96	narrow		wide
Rump angle	85	ascending		sloped
Thurl position	101	in the back		in the centre
Hock angularity	92	straight		sickled
Hock develop.	84	swollen		dry
Pasterns	104	weak		strong
Foot angle	114	low angles		steep angles
Fore udder length	118	short		long
Rear udder width	134	narrow		wide
Rear udder height	108	low		high
Susp. ligament	99	weak		strong
Udder depth	98	deep		shallow
Fore udder att.	114	loose		tight
Udder balance	115	staged		inclined
Teat length	95	short		long
Teat thickness	103	thin		thick
Teat placem. (front)	117	wide		close
Teat placem. (rear)	110	wide		close
Teat direction (rear)	112	outwards		inwards
Udder cleanness	100	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 2024) **TMI 122** 92%

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

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+427	+0,02	+20	+0,11	+24

BEEF PERFORMANCE **BI 85** 81%

Daily net gain	Carcass percentage	Carcass grade
91	92	85

FUNCTIONAL TRAITS **FIT 104** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	107	100	98	96	115	103	97	117

Daughter of Helix

LINEAR DESCRIPTION 84 DAUGHTERS

Trait	Index	Tendency	76 88 100 112 124 136	Tendency
Frame	**106**			
Rump	**101**			
Feet & Legs	**112**			
Udder	**126**			
Final Score	**120**			
Muscling	94	light		heavy
Height at cross	104	small		large
Chest width	102	shallow		deep
Body depth	101	shallow		deep
Backline	102	weak		strong
Rump length	111	short		long
Rump width	117	narrow		wide
Rump angle	84	ascending		sloped
Thurl position	90	in the back		in the centre
Hock angularity	98	straight		sickled
Hock develop.	114	swollen		dry
Pasterns	103	weak		strong
Foot angle	104	low angles		steep angles
Fore udder length	101	short		long
Rear udder width	106	narrow		wide
Rear udder height	122	low		high
Susp. ligament	114	weak		strong
Udder depth	122	deep		shallow
Fore udder att.	117	loose		tight
Udder balance	114	staged		inclined
Teat length	105	short		long
Teat thickness	104	thin		thick
Teat placem. (front)	104	wide		close
Teat placem. (rear)	112	wide		close
Teat direction (rear)	114	outwards		inwards
Udder cleanness	83	add. teats		clean udder

Juli

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

GF.: B2C

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

Components	Type	Milking speed
BB		progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 120** 94%

MILK INDEX (D: 186, H: 152) **MI 119** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+299	+0,33	+39	+0,10	+19

BEEF PERFORMANCE **BI 105** 79%

Daily net gain	Carcass percentage	Carcass grade
108	98	94

FUNCTIONAL TRAITS **FIT 96** 91%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
129	93	89	94	106	104	102	104	112

Afra, daughter of Juli

LINEAR DESCRIPTION 84 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**119**		
Rump	**113**		
Feet & Legs	**102**		
Udder	**106**		
Final Score	**113**		
Muscling	93	light	heavy
Height at cross	121	small	large
Chest width	118	shallow	deep
Body depth	111	shallow	deep
Backline	97	weak	strong
Rump length	123	short	long
Rump width	105	narrow	wide
Rump angle	101	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	103	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	101	narrow	wide
Rear udder height	108	low	high
Susp. ligament	97	weak	strong
Udder depth	105	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	81	staged	inclined
Teat length	94	short	long
Teat thickness	113	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Sevilla

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

aAa **426351**

SEASIDEBLOOM — BROOKINGS / PETUNIA
1472 4/4 10238 4,82 493 4,04 414 — **AG CADI** / 1320 — **GS HIMALAYA**
6/6 9884 4,78 472 3,91 387

Milk	Milking speed	Udder
A1A2	AB	progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 116** 92%

MILK INDEX (D: 301, H: 206) **MI 110** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+647	-0,15	+14	-0,09	+16

BEEF PERFORMANCE **BI 91** 94%

Daily net gain	Carcass percentage	Carcass grade
93	89	98

FUNCTIONAL TRAITS **FIT 104** 89%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	105	122	101	98	110	95	99	118

Daughter of Sevilla

LINEAR DESCRIPTION 91 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Rump	**105**		
Feet & Legs	**106**		
Udder	**112**		
Final Score	**109**		
Muscling	99	light	heavy
Height at cross	110	small	large
Chest width	96	shallow	deep
Body depth	105	shallow	deep
Backline	98	weak	strong
Rump length	105	short	long
Rump width	96	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	95	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	107	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	99	short	long
Rear udder width	100	narrow	wide
Rear udder height	112	low	high
Susp. ligament	107	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	101	loose	tight
Udder balance	94	staged	inclined
Teat length	92	short	long
Teat thickness	78	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	114	outwards	inwards
Udder cleanness	98	add. teats	clean udder

progeny tested

progeny tested

Jakarta

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

aAa **561423**

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

Longevity	Hoof health	Type
	A2A2	BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 116** 92%

MILK INDEX (D: 110, H: 98) **MI 110** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+395	+0,02	+19	-0,02	+12

BEEF PERFORMANCE **BI 99** 83%

Daily net gain	Carcass percentage	Carcass grade
98	104	98

FUNCTIONAL TRAITS **FIT 104** 90%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	101	104	114	102	107	96	96	118

Natalie, daughter of Jakarta

LINEAR DESCRIPTION 61 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**104**								
Rump	**104**								
Feet & Legs	**104**								
Udder	**113**								
Final Score	**111**								
Muscling	117	light							heavy
Height at cross	95	small							large
Chest width	111	shallow							deep
Body depth	107	shallow							deep
Backline	96	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	110	weak							strong
Foot angle	99	low angles							steep angles
Fore udder length	110	short							long
Rear udder width	97	narrow							wide
Rear udder height	100	low							high
Susp. ligament	105	weak							strong
Udder depth	105	deep							shallow
Fore udder att.	107	loose							tight
Udder balance	114	staged							inclined
Teat length	96	short							long
Teat thickness	101	thin							thick
Teat placem. (front)	108	wide							close
Teat placem. (rear)	121	wide							close
Teat direction (rear)	116	outwards							inwards
Udder cleanness	100	add. teats							clean udder

Perfekt

HB No. 10/356740
LOM DE 09 50680729
Born 08.09.2015

PERKINS — PAYBOY / BLUME
OLIESE 9/8 8439 3,97 335 3,58 302 — **SINAI** ODER 10/10 8598 4,11 353 3,40 293 — **HUCOS**

Type	Components	Capacity
	A1A2	AB

progeny tested

TOTAL MERIT INDEX (Proof: April 2024) **TMI 111** 87%

MILK INDEX (D: 46, H: 41) **MI 113** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+432	+0,03	+21	+0,01	+16

BEEF PERFORMANCE **BI 112** 68%

Daily net gain	Carcass percentage	Carcass grade
114	99	102

FUNCTIONAL TRAITS **FIT 93** 84%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	99	93	96	93	97	94	98	110

LINEAR DESCRIPTION 26 DAUGHTERS

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**116**								
Rump	**106**								
Feet & Legs	**105**								
Udder	**113**								
Final Score	**115**								
Muscling	98	light							heavy
Height at cross	117	small							large
Chest width	109	shallow							deep
Body depth	107	shallow							deep
Backline	107	weak							strong
Rump length	106	short							long
Rump width	115	narrow							wide
Rump angle	102	ascending							sloped
Thurl position	98	in the back							in the centre
Hock angularity	95	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	106	weak							strong
Foot angle	108	low angles							steep angles
Fore udder length	103	short							long
Rear udder width	97	narrow							wide
Rear udder height	97	low							high
Susp. ligament	100	weak							strong
Udder depth	111	deep							shallow
Fore udder att.	108	loose							tight
Udder balance	100	staged							inclined
Teat length	96	short							long
Teat thickness	99	thin							thick
Teat placem. (front)	114	wide							close
Teat placem. (rear)	107	wide							close
Teat direction (rear)	109	outwards							inwards
Udder cleanness	104	add. teats							clean udder

GGI-SPERMEX GmbH Genetics made in Germany

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	**Anatol**	BB	A2A2		**122**	116	120	+1137	-0,15	-0,18	60	101	97	102	111	102	107	110	111				
27	**Andaman**	BB	A2A2	642153	**134**	126	119	+797	-0,01	-0,06	56	98	113	101	109	92	108	116	112	x	x	x	
18	**Bloomlord**	BB	A2A2	243615	**124**	116	114	+929	-0,24	-0,12	41	97	109	96	117	125	106	117	119		x	x	
27	**Canyon**	BB	A2A2	642513	**133**	130	115	+1083	-0,39	-0,11	41	108	114	102	100	102	107	116	110		x	x	x
18	**Davinci**	BB	A1A2	423615	**125**	120	108	+326	-0,08	0,04	22	100	119	98	98	99	107	117	108	x			
13	**Dejavu**	BB	A2A2	243615	**124**	114	120	+501	0,11	0,11	57	99	101	96	124	108	104	114	119	x			
28	**Dorian**	BB	A2A2	243651	**124**	119	107	-12	0,15	0,12	20	115	116	99	101	103	108	120	113				
22	**Hallodri**	BB	A2A2		**126**	118	113	+1034	-0,37	-0,13	37	115	109	103	107	102	104	103	106		x		
21	**Hamburg**	BB	A2A2	534612	**124**	116	107	+471	-0,11	-0,09	20	111	118	102	85	94	102	108	98	x			
28	**Hebron**	BB	A2A2	654123	**135**	122	122	+333	0,38	0,13	67	83	111	101	83	79	111	111	99				
8	**Heimo**	BB	A2A2		**122**	113	120	+1107	-0,24	-0,09	58	81	98	95	103	101	113	116	113		x		x
20	**Helau**	AB	A2A2		**127**	119	118	+47	0,46	0,19	55	86	108	109	95	96	111	116	109	x		x	
16	**Helix**	BB	A2A2		**122**	117	116	+427	0,02	0,11	44	85	104	96	106	101	112	126	120	x	x	x	
19	**Husold**	AB			**140**	127	115	+747	-0,15	-0,04	42	110	123	106	97	97	106	104	102	x	x	x	
9	**Jakarta**	BB	A2A2	561423	**116**	118	110	+395	0,02	-0,02	31	99	104	102	104	104	104	113	111	x	x	x	
17	**Juli**	BB			**120**	112	119	+299	0,33	0,10	58	105	96	106	119	113	102	106	113	x			
16	**Leonhard**	AB	A1A2	654123	**136**	117	126	+973	0,08	-0,06	78	107	106	100	109	107	100	95	103	x			
24	**Perfekt**	AB	A1A2		**111**	110	113	+432	0,03	0,01	37	112	93	93	116	106	105	113	115				
15	**Piano**	BB	A2A2	651423	**122**	114	118	+783	-0,09	-0,02	52	93	100	96	116	106	103	115	115	x	x	x	x
8	**Pukari**	BB	A2A2	516432	**133**	121	120	+811	-0,05	-0,01	58	108	109	103	99	99	106	106	103	x	x	x	x
25	**Sansibar**	BB	A2A2		**135**	124	120	+693	-0,03	0,06	57	91	116	94	113	115	110	115	118	x	x	x	
11	**Sevilla**	AB	A1A2	426351	**116**	118	110	+647	-0,15	-0,09	30	91	104	98	104	105	106	112	109				
25	**Sidence**	BB	A2A2	234165	**129**	121	115	+807	-0,14	-0,08	45	103	112	102	102	98	104	104	104		x		
19	**Sion**	BB	A2A2		**134**	123	120	+907	-0,05	-0,07	60	96	112	101	103	106	103	111	108	x	x	x	
21	**Vaclav**	AB	A2A2		**128**	121	117	+814	-0,08	-0,09	50	100	110	108	108	107	104	110	112	x			
12	**Valid**	BB	A2A2	426351	**130**	122	114	+381	0,19	0,01	45	103	114	98	112	102	110	112	113	x			
10	**Valor**	BB	A2A2		**137**	125	127	+1130	-0,01	-0,07	81	103	105	99	118	113	107	108	114		x	x	x
24	**Vasary**	BB	A2A2	516342	**130**	118	122	+522	0,28	0,04	67	104	105	101	113	115	107	106	111	x	x	x	x
14	**Vaselino**	BB	A2A2	423516	**125**	119	121	+644	0,23	-0,02	68	95	98	101	104	104	114	115	113		x	x	
14	**Vasmor**	AB	A2A2	342516	**133**	122	120	+522	0,22	0,02	61	96	112	109	105	94	99	108	104	x			
9	**Vavio**	BB	A2A2		**130**	125	114	+795	-0,23	-0,04	39	108	113	100	107	91	103	111	108		x	x	
23	**Vidal P*S**	AB	A1A2	261453	**129**	118	116	+294	0,16	0,12	47	102	111	94	107	107	111	110	112				
10	**Visir Pp**	AB	A2A2		**124**	116	110	+102	0,19	0,09	30	96	116	93	101	111	101	111	109	x			
12	**Visor P*S**	AB	A1A1	615243	**127**	120	113	+60	0,38	0,08	42	109	112	94	111	113	110	117	118	x			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

Vektol

HB No. 10/347730
LOM DE 09 58205808
Born 23.10.2022

AG VOLLMACHT — AG VOLLMILCH / GRANOLA
STARLIG 8/8 9803 4,54 446 3,70 363 — **GS HUXOY** SILVJA 7/7 10171 4,85 493 3,75 381 — **ETPAT**

Milk	Longevity	Persistency

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 149** 72%

MILK INDEX **MI 133** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1488	-0,18	+46	-0,09	+45

BEEF PERFORMANCE **BI 92** 59%

Daily net gain	Carcass percentage	Carcass grade
94	100	92

FUNCTIONAL TRAITS **FIT 117** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	104	114	121	105	110	108	94	132

Half sister of Vektol

LINEAR DESCRIPTION

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

Portico

HB No. 10/435573
LOM DE 08 18402647
Born 28.11.2022

PICCARD — PIANO / HEIKE
INGLY 3/3 10458 4,77 499 3,52 368 — **VASSLI** INGE 5/5 10260 4,67 479 3,67 376 — **HEGALL**

Milk	Longevity	Persistency

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 148** 72%

MILK INDEX **MI 133** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1427	-0,08	+53	-0,10	+42

BEEF PERFORMANCE **BI 88** 58%

Daily net gain	Carcass percentage	Carcass grade
95	92	84

FUNCTIONAL TRAITS **FIT 111** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	102	115	114	108	104	98	115	131

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Rump	**100**		
Feet & Legs	**104**		
Udder	**110**		
Final Score	**108**		
Muscling	87	light	heavy
Height at cross	112	small	large
Chest width	97	shallow	deep
Body depth	105	shallow	deep
Backline	102	weak	strong
Rump length	104	short	long
Rump width	89	narrow	wide
Rump angle	110	ascending	sloped
Thurl position	106	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	97	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	106	short	long
Rear udder width	117	narrow	wide
Rear udder height	111	low	high
Susp. ligament	98	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	99	staged	inclined
Teat length	97	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	96	add. teats	clean udder

genomic

Navaro

HB No. 10/435572
LOM DE 08 18327481
Born 23.11.2022

NATHAN — NATUREL ELISA
AGNES 4/4 9707 4,22 410 3,71 361 — **JULAU** ALMA 1/1 7392 4,13 305 3,71 274 — **HUSOLD**

Milk | **Persistency** | **Calm character**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 147** 71%

MILK INDEX **MI 131** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1029	+0,11	+53	-0,02	+35

BEEF PERFORMANCE **BI 106** 57%

Daily net gain	Carcass percentage	Carcass grade
103	105	107

FUNCTIONAL TRAITS **FIT 117** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	111	114	112	106	102	106	113	135

Member of the cow family of Navaro

LINEAR DESCRIPTION

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

Parsival

HB No. 10/435580
LOM DE 08 18237921
Born 05.02.2023

PASADENA — PIANO RHORIO
URMY 1/1 6911 5,24 362 3,60 249 — **VOLKER** URMEL 2/2 9158 4,07 373 3,58 328 — **CADENCE**

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

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 146** 71%

MILK INDEX **MI 129** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1090	-0,04	+43	-0,02	+38

BEEF PERFORMANCE **BI 101** 56%

Daily net gain	Carcass percentage	Carcass grade
103	100	93

FUNCTIONAL TRAITS **FIT 117** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	115	111	108	106	107	107	114	132

Dam of Parsival

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Rump	**101**		
Feet & Legs	**105**		
Udder	**122**		
Final Score	**117**		
Muscling	96	light	heavy
Height at cross	106	small	large
Chest width	100	shallow	deep
Body depth	108	shallow	deep
Backline	99	weak	strong
Rump length	110	short	long
Rump width	95	narrow	wide
Rump angle	83	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	104	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	104	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	113	short	long
Rear udder width	111	narrow	wide
Rear udder height	107	low	high
Susp. ligament	116	weak	strong
Udder depth	110	deep	shallow
Fore udder att.	112	loose	tight
Udder balance	114	staged	inclined
Teat length	90	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	119	wide	close
Teat placem. (rear)	116	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	98	add. teats	clean udder

genomic

genomic

Vanilla

HB No. 10/347610
LOM DE 09 57188727
Born 27.05.2022

aAa **264135**

VASELINO
VASSLI
1304

1694
2/1 10677 4,51 481 3,43 366

NAMUR
1413
4/4 12606 4,23 534 3,54 447

AG VOBIS

Milk	Persistency	Type

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 145** 76%

MILK INDEX **MI 134** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1230	+0,12	+63	-0,08	+37

BEEF PERFORMANCE **BI 106** 64%

Daily net gain	Carcass percentage	Carcass grade
105	104	105

FUNCTIONAL TRAITS **FIT 107** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	108	109	109	96	101	96	106	134

Dam of Vanilla

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Rump	**104**		
Feet & Legs	**114**		
Udder	**121**		
Final Score	**118**		
Muscling	101	light	heavy
Height at cross	113	small	large
Chest width	108	shallow	deep
Body depth	113	shallow	deep
Backline	93	weak	strong
Rump length	111	short	long
Rump width	116	narrow	wide
Rump angle	88	ascending	sloped
Thurl position	94	in the back	in the centre
Hock angularity	92	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	108	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	117	short	long
Rear udder width	117	narrow	wide
Rear udder height	117	low	high
Susp. ligament	106	weak	strong
Udder depth	109	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	121	staged	inclined
Teat length	98	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	111	wide	close
Teat direction (rear)	112	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Narvick

HB No. 10/435569
LOM DE 08 18312891
Born 21.10.2022

NATHAN
NATUREL
ELISA

EXQUISA
1/1 10865 4,14 450 3,53 383

CANYON
KARINA
4/4 9810 4,31 423 3,63 356

AURANTO

Milk	Udder	Persistency

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 145** 72%

MILK INDEX **MI 131** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1452	-0,14	+48	-0,13	+40

BEEF PERFORMANCE **BI 110** 59%

Daily net gain	Carcass percentage	Carcass grade
109	107	102

FUNCTIONAL TRAITS **FIT 111** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	102	115	111	100	102	102	112	133

LINEAR DESCRIPTION

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

GGI-SPERMEX GmbH Genetics made in Germany

Calibur

HB No. 10/347550
LOM DE 09 56868679
Born 25.12.2021

aAa **615243**

AG CAVALLO — CANYON / ROMMY

TAMARA 1/1 9994 4,28 428 3,45 345 — **SEASIDEBLOOM** TAXI 5/5 10329 4,73 488 3,65 377 — **ANIBAL**

Milk	Udder	Persistency
A1A2	AB	genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 145** 72%

MILK INDEX **MI 130** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1228	+0,05	+56	-0,13	+32

BEEF PERFORMANCE **BI 93** 61%

Daily net gain	Carcass percentage	Carcass grade
96	98	91

FUNCTIONAL TRAITS **FIT 114** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	113	119	108	101	104	99	112	133

Tamara, dam of Calibur

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**101**		
Rump	**103**		
Feet & Legs	**104**		
Udder	**115**		
Final Score	**109**		
Muscling	97	light	heavy
Height at cross	99	small	large
Chest width	98	shallow	deep
Body depth	100	shallow	deep
Backline	107	weak	strong
Rump length	105	short	long
Rump width	89	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	106	in the back	in the centre
Hock angularity	102	straight	sickled
Hock develop.	104	swollen	dry
Pasterns	107	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	104	narrow	wide
Rear udder height	105	low	high
Susp. ligament	101	weak	strong
Udder depth	109	deep	shallow
Fore udder att.	110	loose	tight
Udder balance	106	staged	inclined
Teat length	90	short	long
Teat thickness	87	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	94	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Neymar

HB No. 10/347790
LOM DE 09 57656245
Born 31.12.2022

GS NEW YORK — NAMUR / KESSI

GESSI 3/2 11984 3,92 3,46 — **AG PUSTERTAL** GENTLE 6/5 11737 4,32 507 3,86 453 — **AG HEBRON**

Milk	Type	Capacity
A2A2	BB	genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 144** 70%

MILK INDEX **MI 132** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1105	+0,02	+49	+0,02	+41

BEEF PERFORMANCE **BI 108** 56%

Daily net gain	Carcass percentage	Carcass grade
108	100	102

FUNCTIONAL TRAITS **FIT 110** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	102	105	105	99	108	108	111	129

Dam of Neymar, 2nd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**112**		
Rump	**103**		
Feet & Legs	**105**		
Udder	**111**		
Final Score	**111**		
Muscling	107	light	heavy
Height at cross	110	small	large
Chest width	116	shallow	deep
Body depth	112	shallow	deep
Backline	91	weak	strong
Rump length	115	short	long
Rump width	106	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	109	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	106	weak	strong
Foot angle	114	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	104	narrow	wide
Rear udder height	102	low	high
Susp. ligament	106	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	102	loose	tight
Udder balance	113	staged	inclined
Teat length	91	short	long
Teat thickness	116	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	89	add. teats	clean udder

genomic

genomic

Chagall

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

aAa **645213**

CANYON — CADURA / LIESE
BJALLA 3/2 8790 3,76 331 3,34 294 — **SEASIDEBLOOM** BRITT 6/6 8913 3,72 332 3,34 298 — **VASIR**

Milk	Fitness	Udder

A2A2
BB
genomic

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

MILK INDEX **MI 130** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1383	-0,14	+46	-0,10	+40

BEEF PERFORMANCE **BI 107** 73%

Daily net gain	Carcass percentage	Carcass grade
108	103	98

FUNCTIONAL TRAITS **FIT 112** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
114	98	121	114	98	105	108	93	134

Bjalla, dam of Chagall

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**97**		
Rump	**100**		
Feet & Legs	**108**		
Udder	**117**		
Final Score	**110**		
Muscling	85	light	heavy
Height at cross	104	small	large
Chest width	93	shallow	deep
Body depth	100	shallow	deep
Backline	86	weak	strong
Rump length	99	short	long
Rump width	78	narrow	wide
Rump angle	104	ascending	sloped
Thurl position	111	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	109	weak	strong
Foot angle	98	low angles	steep angles
Fore udder length	120	short	long
Rear udder width	119	narrow	wide
Rear udder height	115	low	high
Susp. ligament	99	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	102	loose	tight
Udder balance	111	staged	inclined
Teat length	95	short	long
Teat thickness	116	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Valps

HB No. 10/347650
LOM DE 09 57188744
Born 09.07.2022

aAa **654123**

VANCE — VOLKER / HELLE
1698 2/1 8259 4,76 393 4,13 341 — **AG ALPSEE** 1444 3/3 11026 4,41 486 3,82 421 — **DANE**

Type	Longevity	Fitness

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 144** 72%

MILK INDEX **MI 130** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1182	-0,05	+45	-0,03	+40

BEEF PERFORMANCE **BI 105** 58%

Daily net gain	Carcass percentage	Carcass grade
105	103	98

FUNCTIONAL TRAITS **FIT 113** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	118	119	114	103	94	95	103	134

Dam of Valps

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Rump	**107**		
Feet & Legs	**109**		
Udder	**121**		
Final Score	**115**		
Muscling	112	light	heavy
Height at cross	102	small	large
Chest width	110	shallow	deep
Body depth	107	shallow	deep
Backline	96	weak	strong
Rump length	102	short	long
Rump width	112	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	103	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	104	narrow	wide
Rear udder height	110	low	high
Susp. ligament	110	weak	strong
Udder depth	118	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	117	staged	inclined
Teat length	102	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	102	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Nabucco

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

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	Type

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 143** 75%

MILK INDEX **MI 128** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1323	-0,08	+49	-0,16	+33

BEEF PERFORMANCE **BI 102** 63%

Daily net gain	Carcass percentage	Carcass grade
104	96	99

FUNCTIONAL TRAITS **FIT 114** 76%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	111	120	111	97	100	100	109	130

Elisa, dam of Nabucco, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Rump	**107**		
Feet & Legs	**105**		
Udder	**109**		
Final Score	**110**		
Muscling	84	light	heavy
Height at cross	113	small	large
Chest width	97	shallow	deep
Body depth	102	shallow	deep
Backline	105	weak	strong
Rump length	107	short	long
Rump width	105	narrow	wide
Rump angle	105	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	101	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	103	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	99	narrow	wide
Rear udder height	106	low	high
Susp. ligament	98	weak	strong
Udder depth	107	deep	shallow
Fore udder att.	93	loose	tight
Udder balance	103	staged	inclined
Teat length	98	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	97	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	98	add. teats	clean udder

Amarula

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

aAa **156324**

AMORIE — AMOR / IRMA

KORA 3/2 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 2024) **TMI 143** 79%

MILK INDEX **MI 127** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+743	+0,15	+44	+0,07	+32

BEEF PERFORMANCE **BI 101** 78%

Daily net gain	Carcass percentage	Carcass grade
103	98	98

FUNCTIONAL TRAITS **FIT 118** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	110	108	112	103	102	115	104	129

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Rump	**104**		
Feet & Legs	**105**		
Udder	**106**		
Final Score	**106**		
Muscling	105	light	heavy
Height at cross	101	small	large
Chest width	103	shallow	deep
Body depth	109	shallow	deep
Backline	94	weak	strong
Rump length	99	short	long
Rump width	115	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	104	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	96	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	113	narrow	wide
Rear udder height	96	low	high
Susp. ligament	104	weak	strong
Udder depth	95	deep	shallow
Fore udder att.	97	loose	tight
Udder balance	88	staged	inclined
Teat length	96	short	long
Teat thickness	80	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Pescora

HB No. 10/435571
LOM DE 08 18237891
Born 14.11.2022

PICCARD — PIANO / HEIKE
INGLY 3/3 10458 4,77 499 3,52 368 — **VASSLI** INGE 5/5 10260 4,67 479 3,67 376 — **HEGALL**

Fat % | **Persistency** | **Vitality**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 143** 72%

MILK INDEX **MI 127** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+862	+0,11	+46	+0,00	+31

BEEF PERFORMANCE **BI 82** 58%

Daily net gain	Carcass percentage	Carcass grade
90	89	82

FUNCTIONAL TRAITS **FIT 117** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	107	118	110	110	102	106	120	130

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**104**								
Rump	**97**								
Feet & Legs	**108**								
Udder	**108**								
Final Score	**107**								
Muscling	80	light							heavy
Height at cross	111	small							large
Chest width	100	shallow							deep
Body depth	105	shallow							deep
Backline	96	weak							strong
Rump length	109	short							long
Rump width	99	narrow							wide
Rump angle	96	ascending							sloped
Thurl position	100	in the back							in the centre
Hock angularity	103	straight							sickled
Hock develop.	111	swollen							dry
Pasterns	101	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	105	short							long
Rear udder width	109	narrow							wide
Rear udder height	111	low							high
Susp. ligament	100	weak							strong
Udder depth	106	deep							shallow
Fore udder att.	107	loose							tight
Udder balance	98	staged							inclined
Teat length	106	short							long
Teat thickness	89	thin							thick
Teat placem. (front)	109	wide							close
Teat placem. (rear)	110	wide							close
Teat direction (rear)	100	outwards							inwards
Udder cleanness	94	add. teats							clean udder

Vardon

HB No. 10/435563
LOM DE 08 18006534
Born 13.05.2022

VANCE — VOLKER / HELLE
GINA 2/2 7890 4,69 370 3,89 307 — **DORIAN** GITTI 5/5 10924 3,55 388 3,53 385 — **HURAY**

Fat % | **Persistency** | **Muscling**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 142** 72%

MILK INDEX **MI 129** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+886	+0,18	+53	+0,00	+32

BEEF PERFORMANCE **BI 117** 59%

Daily net gain	Carcass percentage	Carcass grade
116	105	104

FUNCTIONAL TRAITS **FIT 111** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
92	106	111	107	108	103	105	106	126

Gina, dam of Vardon, 2nd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**110**								
Rump	**105**								
Feet & Legs	**101**								
Udder	**108**								
Final Score	**108**								
Muscling	109	light							heavy
Height at cross	103	small							large
Chest width	113	shallow							deep
Body depth	114	shallow							deep
Backline	94	weak							strong
Rump length	111	short							long
Rump width	105	narrow							wide
Rump angle	91	ascending							sloped
Thurl position	106	in the back							in the centre
Hock angularity	107	straight							sickled
Hock develop.	107	swollen							dry
Pasterns	98	weak							strong
Foot angle	98	low angles							steep angles
Fore udder length	117	short							long
Rear udder width	117	narrow							wide
Rear udder height	101	low							high
Susp. ligament	110	weak							strong
Udder depth	93	deep							shallow
Fore udder att.	107	loose							tight
Udder balance	108	staged							inclined
Teat length	110	short							long
Teat thickness	98	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	100	outwards							inwards
Udder cleanness	100	add. teats							clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Nixon

HB No. 10/435576
LOM DE 08 18130188
Born 11.11.2022

NATHAN — NATUREL / ELISA
GESA — **VAVIGO** / GENUA — **VARONTO**
2/2 8058 4,60 371 3,69 298
2/2 8720 4,55 397 3,68 321

Milk **Fertility** **Type**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 142** 72%

MILK INDEX **MI 129** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1121	+0,03	+50	-0,08	+34

BEEF PERFORMANCE **BI 103** 59%

Daily net gain	Carcass percentage	Carcass grade
103	102	99

FUNCTIONAL TRAITS **FIT 113** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
106	106	104	109	91	106	110	107	129

Gulone, member of the cow family of Nixon

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**114**		
Rump	**104**		
Feet & Legs	**108**		
Udder	**113**		
Final Score	**115**		
Muscling	87	light	heavy
Height at cross	117	small	large
Chest width	103	shallow	deep
Body depth	106	shallow	deep
Backline	108	weak	strong
Rump length	110	short	long
Rump width	95	narrow	wide
Rump angle	102	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	102	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	101	narrow	wide
Rear udder height	105	low	high
Susp. ligament	102	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	102	loose	tight
Udder balance	97	staged	inclined
Teat length	103	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Aragon

HB No. 10/347710
LOM DE 09 57982700
Born 24.09.2022

AMARULA — AMORIE / KORA
DUNKA — **HIDALGO** / DUNJA — **PAYSSLI**
3/3 8871 3,84 341 3,56 316
4/4 9532 4,40 419 3,51 335

Fitness **Udder** **Components**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 142** 71%

MILK INDEX **MI 128** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+738	+0,17	+46	+0,07	+33

BEEF PERFORMANCE **BI 103** 57%

Daily net gain	Carcass percentage	Carcass grade
103	102	99

FUNCTIONAL TRAITS **FIT 118** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	114	105	114	94	104	115	90	128

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Rump	**113**		
Feet & Legs	**103**		
Udder	**115**		
Final Score	**113**		
Muscling	104	light	heavy
Height at cross	104	small	large
Chest width	107	shallow	deep
Body depth	110	shallow	deep
Backline	99	weak	strong
Rump length	110	short	long
Rump width	121	narrow	wide
Rump angle	99	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	112	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	95	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	110	short	long
Rear udder width	106	narrow	wide
Rear udder height	101	low	high
Susp. ligament	105	weak	strong
Udder depth	107	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	102	staged	inclined
Teat length	107	short	long
Teat thickness	90	thin	thick
Teat placem. (front)	119	wide	close
Teat placem. (rear)	116	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	105	add. teats	clean udder

genomic

genomic

Dancer

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

aAa **561432**

DANE — CADENCE / ALIBABA DAVO
LIAMINA 3/2 10455 4,64 485 4,07 426 — **ANTONOV** / LIAMARA 6/6 13394 3,80 509 3,74 500 — **AG VERDI**

Protein %	Persistency	Vitality

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 142** 77%

MILK INDEX **MI 127** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+963	-0,12	+30	+0,09	+43

BEEF PERFORMANCE **BI 96** 65%

Daily net gain	Carcass percentage	Carcass grade
100	94	93

FUNCTIONAL TRAITS **FIT 114** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
95	108	114	103	109	110	108	115	129

Dam of Dancer, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Rump	**97**		
Feet & Legs	**99**		
Udder	**111**		
Final Score	**108**		
Muscling	95	light	heavy
Height at cross	108	small	large
Chest width	102	shallow	deep
Body depth	110	shallow	deep
Backline	101	weak	strong
Rump length	105	short	long
Rump width	99	narrow	wide
Rump angle	84	ascending	sloped
Thurl position	94	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	89	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	107	narrow	wide
Rear udder height	102	low	high
Susp. ligament	109	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	110	loose	tight
Udder balance	102	staged	inclined
Teat length	114	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	95	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Vorneli

HB No. 10/347630
LOM DE 09 57021652
Born 28.04.2022

VORSTAND — GS VORSPRUNG / AFRA
AMSTERDAM 2/2 9293 4,46 415 3,57 332 — **VANELI** / ANNILSA 3/3 8122 4,30 349 3,72 302 — **GS HUXOY**

Milk	Persistency	Fitness

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 142** 71%

MILK INDEX **MI 124** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1071	-0,10	+36	-0,07	+32

BEEF PERFORMANCE **BI 101** 55%

Daily net gain	Carcass percentage	Carcass grade
101	101	99

FUNCTIONAL TRAITS **FIT 120** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	109	119	110	107	107	113	108	131

Amsterdam, dam of Vorneli, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Rump	**95**		
Feet & Legs	**108**		
Udder	**110**		
Final Score	**107**		
Muscling	103	light	heavy
Height at cross	106	small	large
Chest width	107	shallow	deep
Body depth	101	shallow	deep
Backline	99	weak	strong
Rump length	114	short	long
Rump width	95	narrow	wide
Rump angle	93	ascending	sloped
Thurl position	93	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	104	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	103	short	long
Rear udder width	99	narrow	wide
Rear udder height	108	low	high
Susp. ligament	107	weak	strong
Udder depth	107	deep	shallow
Fore udder att.	108	loose	tight
Udder balance	111	staged	inclined
Teat length	92	short	long
Teat thickness	91	thin	thick
Teat placem. (front)	95	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	91	outwards	inwards
Udder cleanness	102	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Abraxas

HB No. 10/346645
LOM DE 09 57492791
Born 20.09.2022

AMARULA — AMORIE / KORA
RIVERNI 200 T. 6656 4,31 287 3,82 254 — **DANE** RIKI 7/6 11400 4,61 526 4,01 457 — **AG VANPARI**

Components | **Persistency** | **Milking speed**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 141** 72%

MILK INDEX **MI 132** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+907	+0,13	+49	+0,09	+40

BEEF PERFORMANCE **BI 98** 58%

Daily net gain	Carcass percentage	Carcass grade
99	97	102

FUNCTIONAL TRAITS **FIT 107** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	108	118	102	97	111	99	95	128

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Rump	**102**		
Feet & Legs	**105**		
Udder	**109**		
Final Score	**108**		
Muscling	102	light	heavy
Height at cross	100	small	large
Chest width	102	shallow	deep
Body depth	108	shallow	deep
Backline	104	weak	strong
Rump length	101	short	long
Rump width	101	narrow	wide
Rump angle	92	ascending	sloped
Thurl position	98	in the back	in the centre
Hock angularity	108	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	103	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	114	short	long
Rear udder width	119	narrow	wide
Rear udder height	96	low	high
Susp. ligament	93	weak	strong
Udder depth	94	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	104	staged	inclined
Teat length	99	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Dakota

HB No. 10/357020
LOM DE 09 57281508
Born 20.06.2022

aAa **216345**

DANE — CADENCE / ALIBABA DAVO
BACARDI 200 T. 7335 4,06 298 3,74 274 — **GLARUS** BETTY 2/2 8696 4,27 372 3,48 303 — **JULAU**

Milk | **Persistency** | **Vitality**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 141** 76%

MILK INDEX **MI 131** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1101	-0,01	+45	+0,03	+42

BEEF PERFORMANCE **BI 97** 62%

Daily net gain	Carcass percentage	Carcass grade
99	95	97

FUNCTIONAL TRAITS **FIT 106** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	109	112	100	101	101	97	114	127

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**110**		
Rump	**96**		
Feet & Legs	**107**		
Udder	**105**		
Final Score	**109**		
Muscling	89	light	heavy
Height at cross	110	small	large
Chest width	97	shallow	deep
Body depth	109	shallow	deep
Backline	111	weak	strong
Rump length	102	short	long
Rump width	89	narrow	wide
Rump angle	93	ascending	sloped
Thurl position	94	in the back	in the centre
Hock angularity	98	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	100	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	103	short	long
Rear udder width	109	narrow	wide
Rear udder height	102	low	high
Susp. ligament	94	weak	strong
Udder depth	100	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	97	staged	inclined
Teat length	103	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	92	outwards	inwards
Udder cleanness	98	add. teats	clean udder

genomic

Volbeat

HB No. 10/346635
LOM DE 09 58009348
Born 03.09.2022

VOLANTIS — GS VORSPRUNG / HIMIKO
FABIA 1/1 8083 4,12 333 3,53 285 — **AMORIE** FIDLE 5/5 10645 3,89 414 3,79 404 — **HURAY**

Milk	Persistency	Type

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 141** 72%

MILK INDEX **MI 131** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1501	-0,15	+50	-0,15	+40

BEEF PERFORMANCE **BI 105** 59%

Daily net gain	Carcass percentage	Carcass grade
107	97	97

FUNCTIONAL TRAITS **FIT 105** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
104	110	121	106	93	104	87	102	131

Fabia, dam of Volbeat

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**116**		
Rump	**107**		
Feet & Legs	**106**		
Udder	**114**		
Final Score	**117**		
Muscling	109	light	heavy
Height at cross	114	small	large
Chest width	109	shallow	deep
Body depth	117	shallow	deep
Backline	98	weak	strong
Rump length	110	short	long
Rump width	110	narrow	wide
Rump angle	99	ascending	sloped
Thurl position	93	in the back	in the centre
Hock angularity	99	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	97	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	98	short	long
Rear udder width	103	narrow	wide
Rear udder height	106	low	high
Susp. ligament	101	weak	strong
Udder depth	107	deep	shallow
Fore udder att.	101	loose	tight
Udder balance	92	staged	inclined
Teat length	99	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	94	wide	close
Teat direction (rear)	94	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Petrucci

HB No. 10/435578
LOM DE 08 18283714
Born 03.12.2022

PICCARD — PIANO / HEIKE
ARIANE 5/4 10067 4,93 497 3,84 387 — **VASSLI** ANNABEL — **HUSOLD**

Components	Fitness	Longevity

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 141** 72%

MILK INDEX **MI 127** 81%

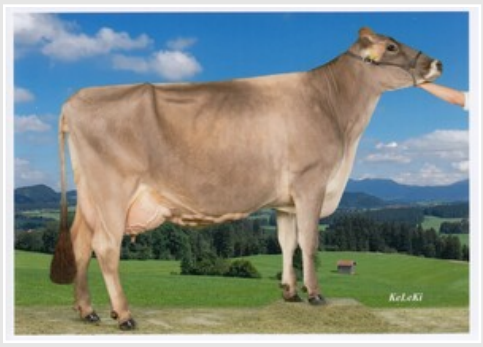
milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+623	+0,33	+54	+0,04	+26

BEEF PERFORMANCE **BI 90** 58%

Daily net gain	Carcass percentage	Carcass grade
95	94	87

FUNCTIONAL TRAITS **FIT 115** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	110	109	112	102	105	107	105	125



Alpengirl, from the Petrucci cow family

LINEAR DESCRIPTION

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

genomic

Chanel

HB No. 10/435564
LOM DE 08 18062536
Born 15.07.2022

CHAGALL — CANYON / BJALLA
VERO 2/1 9829 3,93 386 3,50 344 — **VALID** VOLTAREN 4/4 10166 4,30 437 3,69 376 — **IFEELING**

Type | **Fat** | **Fertility**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 141** 72%

MILK INDEX **MI 125** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+871	+0,11	+46	-0,05	+27

BEEF PERFORMANCE **BI 107** 61%

Daily net gain	Carcass percentage	Carcass grade
109	102	97

FUNCTIONAL TRAITS **FIT 120** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	108	112	112	90	110	122	89	133

Vero, dam of Chanel

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**106**		
Rump	**104**		
Feet & Legs	**111**		
Udder	**120**		
Final Score	**115**		
Muscling	90	light	heavy
Height at cross	116	small	large
Chest width	101	shallow	deep
Body depth	101	shallow	deep
Backline	97	weak	strong
Rump length	111	short	long
Rump width	93	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	115	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	113	short	long
Rear udder width	108	narrow	wide
Rear udder height	115	low	high
Susp. ligament	100	weak	strong
Udder depth	119	deep	shallow
Fore udder att.	110	loose	tight
Udder balance	108	staged	inclined
Teat length	103	short	long
Teat thickness	109	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	89	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Viral

HB No. 10/347680
LOM DE 09 57206317
Born 07.09.2022

GS VIRUS Pp* — VIPRO Pp* / WESLEY
BELLA 4/4 9505 4,20 399 3,64 346 — **ANIBAL** BETTINA 5/5 11011 3,84 422 3,60 396 — **HURAY**

Milk | **Components** | **Fitness**

A1A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 140** 72%

MILK INDEX **MI 131** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1004	+0,07	+49	+0,03	+39

BEEF PERFORMANCE **BI 93** 62%

Daily net gain	Carcass percentage	Carcass grade
95	96	94

FUNCTIONAL TRAITS **FIT 107** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	103	107	106	94	108	101	104	124

Bella, dam of Viral, 3rd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Rump	**98**		
Feet & Legs	**107**		
Udder	**107**		
Final Score	**107**		
Muscling	95	light	heavy
Height at cross	115	small	large
Chest width	107	shallow	deep
Body depth	107	shallow	deep
Backline	94	weak	strong
Rump length	114	short	long
Rump width	111	narrow	wide
Rump angle	96	ascending	sloped
Thurl position	94	in the back	in the centre
Hock angularity	100	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	101	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	111	narrow	wide
Rear udder height	109	low	high
Susp. ligament	92	weak	strong
Udder depth	98	deep	shallow
Fore udder att.	101	loose	tight
Udder balance	99	staged	inclined
Teat length	108	short	long
Teat thickness	113	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	101	add. teats	clean udder

genomic

genomic

Ampere

HB No. 10/347720
LOM DE 09 57492790
Born 20.09.2022

AMARULA — AMORIE / KORA
RIVERNI 200 T. 6656 4,31 287 3,82 254 — **DANE** RIKI 7/6 11400 4,61 526 4,01 457 — **AG VANPARI**

Components	Fitness	Type

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 140** 73%

MILK INDEX **MI 124** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+608	+0,09	+33	+0,14	+33

BEEF PERFORMANCE **BI 99** 59%

Daily net gain	Carcass percentage	Carcass grade
100	99	99

FUNCTIONAL TRAITS **FIT 119** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	111	110	114	105	111	112	102	130

Riverni, dam of Ampere

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**113**		
Rump	**107**		
Feet & Legs	**110**		
Udder	**112**		
Final Score	**114**		
Muscling	106	light	heavy
Height at cross	109	small	large
Chest width	106	shallow	deep
Body depth	112	shallow	deep
Backline	106	weak	strong
Rump length	105	short	long
Rump width	106	narrow	wide
Rump angle	99	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	107	straight	sickled
Hock develop.	112	swollen	dry
Pasterns	100	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	107	narrow	wide
Rear udder height	100	low	high
Susp. ligament	93	weak	strong
Udder depth	111	deep	shallow
Fore udder att.	113	loose	tight
Udder balance	112	staged	inclined
Teat length	102	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	95	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Barolo

HB No. 10/435575
LOM DE 08 18174954
Born 23.12.2022

BACHELOR — BENDER / BRISKA EX90
KELLY 1/1 10618 3,98 423 3,44 365 — **CANYON** KOKO 4/4 9045 4,01 362 3,44 311 — **ANIBAY**

Type	Fitness	Milk

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 140** 72%

MILK INDEX **MI 123** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+926	-0,08	+32	-0,01	+32

BEEF PERFORMANCE **BI 100** 59%

Daily net gain	Carcass percentage	Carcass grade
102	102	96

FUNCTIONAL TRAITS **FIT 118** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	106	115	119	99	111	110	98	134

Kelly, dam of Barolo, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Rump	**114**		
Feet & Legs	**113**		
Udder	**122**		
Final Score	**118**		
Muscling	96	light	heavy
Height at cross	119	small	large
Chest width	100	shallow	deep
Body depth	107	shallow	deep
Backline	100	weak	strong
Rump length	120	short	long
Rump width	108	narrow	wide
Rump angle	109	ascending	sloped
Thurl position	108	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	115	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	110	short	long
Rear udder width	107	narrow	wide
Rear udder height	111	low	high
Susp. ligament	106	weak	strong
Udder depth	115	deep	shallow
Fore udder att.	104	loose	tight
Udder balance	104	staged	inclined
Teat length	82	short	long
Teat thickness	106	thin	thick
Teat placem. (front)	127	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	115	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Caravaggio

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

CANYON — CADURA / LIESE
BJALLA 3/2 8790 3,76 331 3,34 294 — **SEASIDEBLOOM** BRITT 6/6 8913 3,72 332 3,34 298 — **VASIR**

Milk **Fitness** **Udder**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 140** 78%

MILK INDEX **MI 120** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1221	-0,36	+19	-0,09	+35

BEEF PERFORMANCE **BI 107** 69%

Daily net gain	Carcass percentage	Carcass grade
108	103	99

FUNCTIONAL TRAITS **FIT 121** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
112	105	114	117	91	108	117	105	133

Breona, full sister of Caravaggio

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Rump	**100**		
Feet & Legs	**106**		
Udder	**119**		
Final Score	**112**		
Muscling	90	light	heavy
Height at cross	110	small	large
Chest width	100	shallow	deep
Body depth	101	shallow	deep
Backline	88	weak	strong
Rump length	106	short	long
Rump width	93	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	102	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	112	short	long
Rear udder width	110	narrow	wide
Rear udder height	115	low	high
Susp. ligament	99	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	104	loose	tight
Udder balance	105	staged	inclined
Teat length	95	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Calvaro

HB No. 10/346555
LOM DE 09 56050598
Born 30.05.2021

aAa **516432**

CANYON — CADURA / LIESE
LILIE 4/3 8019 4,35 349 3,73 299 — **VIORI** MARITA 5/5 7637 4,43 338 3,52 269 — **BRILLIANT**

Milk **Udder** **Fitness**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 140** 75%

MILK INDEX **MI 118** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+726	-0,04	+27	-0,03	+24

BEEF PERFORMANCE **BI 105** 62%

Daily net gain	Carcass percentage	Carcass grade
105	102	100

FUNCTIONAL TRAITS **FIT 123** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	101	117	130	104	108	109	117	139

Lilie, dam of Calvaro

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**92**		
Rump	**98**		
Feet & Legs	**103**		
Udder	**118**		
Final Score	**108**		
Muscling	91	light	heavy
Height at cross	89	small	large
Chest width	96	shallow	deep
Body depth	97	shallow	deep
Backline	95	weak	strong
Rump length	95	short	long
Rump width	92	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	97	in the back	in the centre
Hock angularity	102	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	95	weak	strong
Foot angle	88	low angles	steep angles
Fore udder length	102	short	long
Rear udder width	112	narrow	wide
Rear udder height	112	low	high
Susp. ligament	108	weak	strong
Udder depth	110	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	111	staged	inclined
Teat length	90	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	104	add. teats	clean udder

genomic

Vpower

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

aAa **426351**

AG VASELINO — VASSLI 1304
1041 3/2 9162 4,13 379 3,59 329 — **AG DAIMLER** 916 6/6 9714 4,13 401 3,52 342 — **JULENG**

Fat %	Type	Milk

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 139** 77%

MILK INDEX **MI 132** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+953	+0,15	+53	+0,04	+38

BEEF PERFORMANCE **BI 103** 69%

Daily net gain	Carcass percentage	Carcass grade
105	99	95

FUNCTIONAL TRAITS **FIT 101** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
107	110	91	104	94	111	88	112	125

Dam of Vpower

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**109**		
Rump	**110**		
Feet & Legs	**109**		
Udder	**111**		
Final Score	**113**		
Muscling	92	light	heavy
Height at cross	114	small	large
Chest width	105	shallow	deep
Body depth	112	shallow	deep
Backline	88	weak	strong
Rump length	121	short	long
Rump width	111	narrow	wide
Rump angle	97	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	100	straight	sickled
Hock develop.	115	swollen	dry
Pasterns	99	weak	strong
Foot angle	115	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	103	narrow	wide
Rear udder height	112	low	high
Susp. ligament	112	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	107	loose	tight
Udder balance	108	staged	inclined
Teat length	105	short	long
Teat thickness	109	thin	thick
Teat placem. (front)	94	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Ansgar

HB No. 10/347450
LOM DE 09 56692785
Born 17.08.2021

aAa **642513**

AG ANDAMAN — ANTONOV GABOR
DONNI 8/7 9884 4,39 434 3,66 362 — **HEGALL** DONNA 9/9 9412 4,16 392 3,69 347 — **VASIR**

Components	Fertility	Vitality

A2A2
BB
genomic

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

MILK INDEX **MI 127** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+628	+0,24	+47	+0,09	+30

BEEF PERFORMANCE **BI 92** 61%

Daily net gain	Carcass percentage	Carcass grade
98	91	88

FUNCTIONAL TRAITS **FIT 114** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
94	108	104	105	111	99	114	113	123

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**96**		
Rump	**90**		
Feet & Legs	**105**		
Udder	**111**		
Final Score	**104**		
Muscling	84	light	heavy
Height at cross	100	small	large
Chest width	91	shallow	deep
Body depth	102	shallow	deep
Backline	102	weak	strong
Rump length	99	short	long
Rump width	82	narrow	wide
Rump angle	91	ascending	sloped
Thurl position	96	in the back	in the centre
Hock angularity	104	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	98	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	101	short	long
Rear udder width	103	narrow	wide
Rear udder height	106	low	high
Susp. ligament	96	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	102	loose	tight
Udder balance	100	staged	inclined
Teat length	92	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	98	add. teats	clean udder

genomic

GGI-SPERMEX GmbH Genetics made in Germany

Avatar

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

aAa **165243**

GS AUSTRIA
AMORIE
ALISCHA

EVA Pp*
3/2 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 2024) **TMI 139** 73%

MILK INDEX **MI 126** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+958	+0,04	+44	-0,05	+30

BEEF PERFORMANCE **BI 96** 62%

Daily net gain	Carcass percentage	Carcass grade
100	94	96

FUNCTIONAL TRAITS **FIT 113** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
93	113	110	112	92	109	100	105	127

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**108**								
Rump	**110**								
Feet & Legs	**107**								
Udder	**108**								
Final Score	**109**								
Muscling	105	light							heavy
Height at cross	110	small							large
Chest width	104	shallow							deep
Body depth	107	shallow							deep
Backline	96	weak							strong
Rump length	110	short							long
Rump width	102	narrow							wide
Rump angle	107	ascending							sloped
Thurl position	106	in the back							in the centre
Hock angularity	93	straight							sickled
Hock develop.	93	swollen							dry
Pasterns	106	weak							strong
Foot angle	108	low angles							steep angles
Fore udder length	103	short							long
Rear udder width	104	narrow							wide
Rear udder height	98	low							high
Susp. ligament	106	weak							strong
Udder depth	99	deep							shallow
Fore udder att.	103	loose							tight
Udder balance	95	staged							inclined
Teat length	91	short							long
Teat thickness	107	thin							thick
Teat placem. (front)	107	wide							close
Teat placem. (rear)	98	wide							close
Teat direction (rear)	102	outwards							inwards
Udder cleanness	94	add. teats							clean udder

Cranach

HB No. 10/435574
LOM DE 08 18010464
Born 01.06.2022

CHAGALL
CANYON
BJALLA

PIPPA
2/1 8872 3,40 302 3,46 307

ALPSEE
PIA
5/5 10502 3,87 406 3,54 372

EASTROG

Type	Persistency	Milk

BB

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 139** 72%

MILK INDEX **MI 126** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1586	-0,37	+32	-0,18	+40

BEEF PERFORMANCE **BI 98** 59%

Daily net gain	Carcass percentage	Carcass grade
101	97	94

FUNCTIONAL TRAITS **FIT 113** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	103	121	112	98	104	107	96	129

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**107**								
Rump	**108**								
Feet & Legs	**108**								
Udder	**117**								
Final Score	**115**								
Muscling	90	light							heavy
Height at cross	115	small							large
Chest width	99	shallow							deep
Body depth	104	shallow							deep
Backline	100	weak							strong
Rump length	108	short							long
Rump width	100	narrow							wide
Rump angle	109	ascending							sloped
Thurl position	101	in the back							in the centre
Hock angularity	96	straight							sickled
Hock develop.	97	swollen							dry
Pasterns	114	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	115	short							long
Rear udder width	118	narrow							wide
Rear udder height	118	low							high
Susp. ligament	102	weak							strong
Udder depth	104	deep							shallow
Fore udder att.	99	loose							tight
Udder balance	108	staged							inclined
Teat length	105	short							long
Teat thickness	115	thin							thick
Teat placem. (front)	108	wide							close
Teat placem. (rear)	100	wide							close
Teat direction (rear)	94	outwards							inwards
Udder cleanness	105	add. teats							clean udder

genomic

Bugatti

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

aAa **243165**

AG BISON — BISTO / RAFAELA
TRIXI 3/2 8011 4,80 385 3,79 304 — **VIPRO Pp*** / TINA 4/4 7992 4,17 333 3,55 284 — **VISCONTI**

Protein % | **Milk** | **Fitness**

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 139** 76%

MILK INDEX **MI 124** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+784	+0,02	+35	+0,05	+33

BEEF PERFORMANCE **BI 94** 64%

Daily net gain	Carcass percentage	Carcass grade
97	98	90

FUNCTIONAL TRAITS **FIT 113** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	104	110	120	106	103	99	115	128

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**108**		
Rump	**106**		
Feet & Legs	**106**		
Udder	**103**		
Final Score	**107**		
Muscling	96	light	heavy
Height at cross	115	small	large
Chest width	101	shallow	deep
Body depth	111	shallow	deep
Backline	98	weak	strong
Rump length	108	short	long
Rump width	104	narrow	wide
Rump angle	92	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	93	straight	sickled
Hock develop.	90	swollen	dry
Pasterns	108	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	111	narrow	wide
Rear udder height	96	low	high
Susp. ligament	96	weak	strong
Udder depth	95	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	93	staged	inclined
Teat length	99	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	93	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Vitobi P*S

HB No. 10/347560
LOM DE 09 57022637
Born 30.12.2021

aAa **645213**

AG VINDUS P*S — VIPRO Pp* / VRONIS
ANTONIE 6/4 10770 3,81 410 3,54 382 — **HACKER** / ADRIA 5/5 9619 3,61 348 3,52 338 — **JOSCHKA**

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

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 139** 71%

MILK INDEX **MI 123** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1088	-0,09	+38	-0,13	+28

BEEF PERFORMANCE **BI 97** 58%

Daily net gain	Carcass percentage	Carcass grade
100	94	96

FUNCTIONAL TRAITS **FIT 118** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	118	103	113	95	108	109	103	128

Antonie, dam of Vitobi PS, 2nd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Rump	**106**		
Feet & Legs	**118**		
Udder	**120**		
Final Score	**120**		
Muscling	103	light	heavy
Height at cross	109	small	large
Chest width	100	shallow	deep
Body depth	106	shallow	deep
Backline	97	weak	strong
Rump length	105	short	long
Rump width	99	narrow	wide
Rump angle	107	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	109	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	107	narrow	wide
Rear udder height	110	low	high
Susp. ligament	103	weak	strong
Udder depth	110	deep	shallow
Fore udder att.	110	loose	tight
Udder balance	108	staged	inclined
Teat length	108	short	long
Teat thickness	109	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	112	wide	close
Teat direction (rear)	115	outwards	inwards
Udder cleanness	92	add. teats	clean udder

Danby

HB No. 10/435560
LOM DE 08 17949457
Born 18.04.2022

DANLY — DANE BERLIN
PISA 3/3 8764 4,52 396 3,39 297 — **CADURA** PIA 3/2 9832 4,72 465 4,49 442 — **AG HERCULES**

Milk	Fitness	Udder

A2A2
BB
genomic

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

MILK INDEX **MI 119** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+906	-0,15	+25	-0,05	+29

BEEF PERFORMANCE **BI 106** 64%

Daily net gain	Carcass percentage	Carcass grade
108	98	100

FUNCTIONAL TRAITS **FIT 121** 76%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
95	114	121	114	103	111	109	107	135

Dam of Danby

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Rump	**99**		
Feet & Legs	**110**		
Udder	**119**		
Final Score	**115**		
Muscling	100	light	heavy
Height at cross	107	small	large
Chest width	100	shallow	deep
Body depth	108	shallow	deep
Backline	103	weak	strong
Rump length	98	short	long
Rump width	97	narrow	wide
Rump angle	90	ascending	sloped
Thurl position	93	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	106	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	106	narrow	wide
Rear udder height	109	low	high
Susp. ligament	100	weak	strong
Udder depth	116	deep	shallow
Fore udder att.	113	loose	tight
Udder balance	105	staged	inclined
Teat length	93	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Volcano

HB No. 10/347690
LOM DE 09 58200117
Born 18.09.2022

AG VOLLMACHT — AG VOLLMILCH GRANOLA
EGNOS 1/1 7829 4,93 386 3,86 302 — **AG DIXIBOY** ELKE 5/5 8654 4,03 349 3,66 317 — **HEGALL**

Fat %	Components	Type

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 138** 71%

MILK INDEX **MI 128** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+835	+0,13	+46	+0,03	+32

BEEF PERFORMANCE **BI 106** 57%

Daily net gain	Carcass percentage	Carcass grade
104	109	97

FUNCTIONAL TRAITS **FIT 110** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	105	102	111	110	103	106	101	128

Egnos, dam of Volcano

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Rump	**109**		
Feet & Legs	**105**		
Udder	**109**		
Final Score	**110**		
Muscling	102	light	heavy
Height at cross	110	small	large
Chest width	100	shallow	deep
Body depth	109	shallow	deep
Backline	102	weak	strong
Rump length	112	short	long
Rump width	99	narrow	wide
Rump angle	101	ascending	sloped
Thurl position	111	in the back	in the centre
Hock angularity	90	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	112	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	100	short	long
Rear udder width	96	narrow	wide
Rear udder height	110	low	high
Susp. ligament	95	weak	strong
Udder depth	111	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	102	staged	inclined
Teat length	98	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	102	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 5/4 12783 3,83 490 3,50 448 — **DARIO** RHOTUVA 7/7 10845 4,46 484 3,66 397 — **VASIR**

Milk	Persistence	Udder

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 138** 77%

MILK INDEX **MI 126** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1240	-0,18	+36	-0,08	+37

BEEF PERFORMANCE **BI 100** 67%

Daily net gain	Carcass percentage	Carcass grade
102	97	97

FUNCTIONAL TRAITS **FIT 110** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	110	115	109	99	101	98	104	124

Rhorio, dam of Pasadena

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Rump	**101**		
Feet & Legs	**107**		
Udder	**110**		
Final Score	**110**		
Muscling	89	light	heavy
Height at cross	106	small	large
Chest width	100	shallow	deep
Body depth	109	shallow	deep
Backline	92	weak	strong
Rump length	110	short	long
Rump width	98	narrow	wide
Rump angle	88	ascending	sloped
Thurl position	98	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	108	weak	strong
Foot angle	114	low angles	steep angles
Fore udder length	115	short	long
Rear udder width	117	narrow	wide
Rear udder height	106	low	high
Susp. ligament	108	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	113	staged	inclined
Teat length	97	short	long
Teat thickness	104	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	117	wide	close
Teat direction (rear)	115	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Bacchus

HB No. 10/347670
LOM DE 09 58191121
Born 28.08.2022

AG BACHELOR — BENDER / BRISKA EX90

BALERIN 4/4 10020 4,41 442 3,83 384 — **AG VANPARI** BAERLE 3/3 10151 4,23 430 3,69 374 — **HARLEM**

Components	Fitness	Udder

A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 138** 72%

MILK INDEX **MI 122** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+500	+0,10	+29	+0,15	+30

BEEF PERFORMANCE **BI 107** 58%

Daily net gain	Carcass percentage	Carcass grade
106	106	101

FUNCTIONAL TRAITS **FIT 117** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
99	110	108	116	93	108	108	106	128

Dam of Bacchus, 4th lact.

LINEAR DESCRIPTION

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

Santiago

HB No. 10/346705
LOM DE 09 58001903
Born 10.12.2022

SAGAN P*S
- SALOMON
- FILOU Pp*

GRETL
4/3 8408 5,11 429 3,95 332
- **VISOR P*S**
  - GRETL
  - 6/6 10634 3,75 399 3,59 382
- **HIDALGO**

Type	Components	Milk

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 137** 71%

MILK INDEX **MI 129** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+893	+0,10	+46	+0,04	+35

BEEF PERFORMANCE **BI 107** 58%

Daily net gain	Carcass percentage	Carcass grade
106	102	101

FUNCTIONAL TRAITS **FIT 106** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
110	101	97	105	98	101	106	109	125

Dam of Santiago

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**115**		
Rump	**117**		
Feet & Legs	**105**		
Udder	**116**		
Final Score	**117**		
Muscling	106	light	heavy
Height at cross	115	small	large
Chest width	114	shallow	deep
Body depth	110	shallow	deep
Backline	105	weak	strong
Rump length	117	short	long
Rump width	120	narrow	wide
Rump angle	102	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	88	swollen	dry
Pasterns	109	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	106	short	long
Rear udder width	108	narrow	wide
Rear udder height	114	low	high
Susp. ligament	99	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	100	staged	inclined
Teat length	99	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Carducci

HB No. 10/435577
LOM DE 08 18284270
Born 18.11.2022

CARAVAGGIO
- CANYON
- BJALLA

UNION
1/1 7390 4,79 354 3,99 295
- **AG BISON**
  - UNIA
  - 3/3 9142 4,50 411 3,70 338
- **TEQUILA**

Milk	Udder	Longevity

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 137** 71%

MILK INDEX **MI 122** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+890	-0,06	+32	-0,02	+30

BEEF PERFORMANCE **BI 100** 57%

Daily net gain	Carcass percentage	Carcass grade
102	103	94

FUNCTIONAL TRAITS **FIT 114** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
101	106	110	113	100	106	105	109	129

Unia, granddam of Santiago, 2nd lact.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**103**		
Rump	**109**		
Feet & Legs	**106**		
Udder	**117**		
Final Score	**112**		
Muscling	106	light	heavy
Height at cross	102	small	large
Chest width	106	shallow	deep
Body depth	101	shallow	deep
Backline	91	weak	strong
Rump length	112	short	long
Rump width	109	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	103	in the back	in the centre
Hock angularity	93	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	107	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	115	short	long
Rear udder width	113	narrow	wide
Rear udder height	106	low	high
Susp. ligament	105	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	110	loose	tight
Udder balance	105	staged	inclined
Teat length	91	short	long
Teat thickness	107	thin	thick
Teat placem. (front)	121	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	103	add. teats	clean udder

genomic

Portland

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

aAa **462531**

PIANO — PIERO / LAS VEGAS
BJALLA 3/2 8790 3,76 331 3,34 294 — **SEASIDEBLOOM** BRITT 6/6 8913 3,72 332 3,34 298 — **VASIR**

Milk **Persistency** **Udder**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 136** 78%

MILK INDEX **MI 125** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1462	-0,29	+35	-0,19	+35

BEEF PERFORMANCE **BI 91** 69%

Daily net gain	Carcass percentage	Carcass grade
97	90	89

FUNCTIONAL TRAITS **FIT 110** 79%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
109	107	121	114	89	104	96	97	126

Bjalla, dam of Portland

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Rump	**97**		
Feet & Legs	**105**		
Udder	**118**		
Final Score	**113**		
Muscling	86	light	heavy
Height at cross	108	small	large
Chest width	101	shallow	deep
Body depth	104	shallow	deep
Backline	93	weak	strong
Rump length	108	short	long
Rump width	91	narrow	wide
Rump angle	88	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	90	straight	sickled
Hock develop.	89	swollen	dry
Pasterns	107	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	116	short	long
Rear udder width	124	narrow	wide
Rear udder height	108	low	high
Susp. ligament	105	weak	strong
Udder depth	102	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)	118	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	103	add. teats	clean udder

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 2024) **TMI 136** 74%

MILK INDEX **MI 122** 83%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+541	+0,19	+39	+0,06	+24

BEEF PERFORMANCE **BI 96** 62%

Daily net gain	Carcass percentage	Carcass grade
97	96	99

FUNCTIONAL TRAITS **FIT 117** 74%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	106	122	108	96	110	113	99	133

Ellen, dam of Savona

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**104**		
Rump	**105**		
Feet & Legs	**107**		
Udder	**120**		
Final Score	**113**		
Muscling	97	light	heavy
Height at cross	107	small	large
Chest width	97	shallow	deep
Body depth	108	shallow	deep
Backline	95	weak	strong
Rump length	108	short	long
Rump width	102	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	96	in the back	in the centre
Hock angularity	99	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	112	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	101	short	long
Rear udder width	107	narrow	wide
Rear udder height	115	low	high
Susp. ligament	113	weak	strong
Udder depth	114	deep	shallow
Fore udder att.	115	loose	tight
Udder balance	107	staged	inclined
Teat length	89	short	long
Teat thickness	82	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Volkwein

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

aAa **432561**

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

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

A2A2
BB
genomic

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

MILK INDEX **MI 125** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+950	+0,01	+41	-0,03	+31

BEEF PERFORMANCE **BI 98** 70%

Daily net gain	Carcass percentage	Carcass grade
102	89	96

FUNCTIONAL TRAITS **FIT 109** 80%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
115	104	110	116	113	92	102	96	121

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**105**		
Rump	**101**		
Feet & Legs	**108**		
Udder	**108**		
Final Score	**108**		
Muscling	113	light	heavy
Height at cross	93	small	large
Chest width	111	shallow	deep
Body depth	112	shallow	deep
Backline	90	weak	strong
Rump length	107	short	long
Rump width	112	narrow	wide
Rump angle	93	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	101	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	108	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	94	deep	shallow
Fore udder att.	107	loose	tight
Udder balance	120	staged	inclined
Teat length	113	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	86	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Passoa

HB No. 10/346695
LOM DE 09 57823719
Born 27.11.2022

AG PIROL
AG PISA
CENTA
FRIEDA
1/1 9401 5,15 484 3,87 364
VALERIAN
FANTA
ANTON
3/4,5 9495 4,75 451 4,22 400

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

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 133** 72%

MILK INDEX **MI 126** 82%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+538	+0,31	+49	+0,09	+27

BEEF PERFORMANCE **BI 89** 56%

Daily net gain	Carcass percentage	Carcass grade
90	98	96

FUNCTIONAL TRAITS **FIT 108** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
102	117	94	112	109	96	99	97	120

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Rump	**110**		
Feet & Legs	**109**		
Udder	**120**		
Final Score	**114**		
Muscling	102	light	heavy
Height at cross	100	small	large
Chest width	101	shallow	deep
Body depth	106	shallow	deep
Backline	89	weak	strong
Rump length	113	short	long
Rump width	104	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	100	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	101	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	116	short	long
Rear udder width	117	narrow	wide
Rear udder height	113	low	high
Susp. ligament	90	weak	strong
Udder depth	111	deep	shallow
Fore udder att.	114	loose	tight
Udder balance	113	staged	inclined
Teat length	94	short	long
Teat thickness	92	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	108	add. teats	clean udder

genomic

Piccard

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

aAa **156423**

PIANO — PIERO / LAS VEGAS
HEIKE 6/5 9128 4,67 426 3,97 362 — **HUVI** HILLERY 10/10 9704 3,95 384 3,73 362 — **HURAY**

Udder	Fat %	Fitness

A2A2
BB
genomic

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

MILK INDEX **MI 122** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+583	+0,18	+39	+0,03	+24

BEEF PERFORMANCE **BI 85** 68%

Daily net gain	Carcass percentage	Carcass grade
93	90	81

FUNCTIONAL TRAITS **FIT 111** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	107	108	108	105	106	102	112	120

Heike, dam of Piccard, 5th lac.

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**108**		
Rump	**106**		
Feet & Legs	**104**		
Udder	**112**		
Final Score	**111**		
Muscling	87	light	heavy
Height at cross	111	small	large
Chest width	101	shallow	deep
Body depth	111	shallow	deep
Backline	94	weak	strong
Rump length	113	short	long
Rump width	104	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	100	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	113	short	long
Rear udder width	117	narrow	wide
Rear udder height	107	low	high
Susp. ligament	96	weak	strong
Udder depth	109	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	111	staged	inclined
Teat length	88	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Salitos P*S

HB No. 10/346615
LOM DE 09 58003796
Born 19.06.2022

aAa **243615**

SAGAN P*S — SALOMON / FILOU Pp*
NORA 100 T. 3183 4,08 130 3,58 114 — **SEASIDEBLOOM** NANNY 3/3 7939 4,55 361 3,52 279 — **HURAY**

Milk	Persistency	Udder

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 133** 72%

MILK INDEX **MI 121** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1057	-0,20	+27	-0,07	+32

BEEF PERFORMANCE **BI 92** 62%

Daily net gain	Carcass percentage	Carcass grade
96	98	88

FUNCTIONAL TRAITS **FIT 111** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	106	115	111	104	104	100	106	124

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	
Frame	**107**		
Rump	**106**		
Feet & Legs	**106**		
Udder	**115**		
Final Score	**112**		
Muscling	84	light	heavy
Height at cross	110	small	large
Chest width	96	shallow	deep
Body depth	102	shallow	deep
Backline	101	weak	strong
Rump length	107	short	long
Rump width	104	narrow	wide
Rump angle	101	ascending	sloped
Thurl position	103	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	103	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	113	short	long
Rear udder width	101	narrow	wide
Rear udder height	111	low	high
Susp. ligament	100	weak	strong
Udder depth	110	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	107	staged	inclined
Teat length	98	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Despot PP*

HB No. 10/435567
LOM DE 08 18062558
Born 08.10.2022

DESIGN PP*
DAVID Pp*
EVA Pp*

GIBSI Pp*
200 T. 6754 4,92 332 3,33 225

BISON
UTE Pp*
2/2 9867 4,96 489 3,87 382

VIPRO Pp*

Components	Longevity	Udder health

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 133** 70%

MILK INDEX **MI 115** 79%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+167	+0,37	+36	+0,04	+9

BEEF PERFORMANCE **BI 85** 56%

Daily net gain	Carcass percentage	Carcass grade
87	94	92

FUNCTIONAL TRAITS **FIT 120** 71%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	112	106	123	104	109	101	124	125

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**101**								
Rump	**102**								
Feet & Legs	**105**								
Udder	**112**								
Final Score	**108**								
Muscling	101	light							heavy
Height at cross	101	small							large
Chest width	97	shallow							deep
Body depth	96	shallow							deep
Backline	101	weak							strong
Rump length	95	short							long
Rump width	99	narrow							wide
Rump angle	98	ascending							sloped
Thurl position	92	in the back							in the centre
Hock angularity	106	straight							sickled
Hock develop.	105	swollen							dry
Pasterns	99	weak							strong
Foot angle	92	low angles							steep angles
Fore udder length	104	short							long
Rear udder width	99	narrow							wide
Rear udder height	105	low							high
Susp. ligament	100	weak							strong
Udder depth	111	deep							shallow
Fore udder att.	111	loose							tight
Udder balance	103	staged							inclined
Teat length	84	short							long
Teat thickness	105	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	111	wide							close
Teat direction (rear)	107	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
4/3 9948 3,91 389 3,56 354

BLOOMING
MILLA
6/6 10144 3,57 362 3,68 373

AG PANAMA

Type	Milk	Protein %

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 132** 76%

MILK INDEX **MI 126** 85%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+844	-0,05	+31	+0,11	+40

BEEF PERFORMANCE **BI 99** 63%

Daily net gain	Carcass percentage	Carcass grade
103	100	90

FUNCTIONAL TRAITS **FIT 105** 78%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
94	109	105	103	94	98	105	85	123

Milba, dam of Ohio, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**123**								
Rump	**115**								
Feet & Legs	**107**								
Udder	**125**								
Final Score	**124**								
Muscling	109	light							heavy
Height at cross	124	small							large
Chest width	121	shallow							deep
Body depth	121	shallow							deep
Backline	106	weak							strong
Rump length	124	short							long
Rump width	114	narrow							wide
Rump angle	103	ascending							sloped
Thurl position	106	in the back							in the centre
Hock angularity	97	straight							sickled
Hock develop.	93	swollen							dry
Pasterns	111	weak							strong
Foot angle	113	low angles							steep angles
Fore udder length	112	short							long
Rear udder width	109	narrow							wide
Rear udder height	111	low							high
Susp. ligament	106	weak							strong
Udder depth	116	deep							shallow
Fore udder att.	117	loose							tight
Udder balance	114	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)	111	outwards							inwards
Udder cleanness	98	add. teats							clean udder

genomic

Boxer Pp*

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

aAa **156342**

BISON — BISTO / RAFAELA

ISARIA Pp* — **VIPRO Pp*** — ISAR 5/5 8894 4,53 403 3,77 335 — **HUVI**
1/1 9126 4,88 445 3,73 340

Milk | **Components** | **Type**

A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: April 2024)	TMI 132	77%

MILK INDEX	MI 125	84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+706	+0,14	+41	+0,05	+30

BEEF PERFORMANCE	BI 92	74%

Daily net gain	Carcass percentage	Carcass grade
98	98	83

FUNCTIONAL TRAITS	FIT 105	79%

				Calving ease				
MS	UH	Pers	PL	CEp	CEm	Fert	VIT	ETMI
109	103	112	108	107	103	98	96	122

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	**105**		
Final Score	**107**		
Muscling	89	light	heavy
Height at cross	111	small	large
Chest width	97	shallow	deep
Body depth	110	shallow	deep
Backline	96	weak	strong
Rump length	115	short	long
Rump width	109	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	104	in the back	in the centre
Hock angularity	92	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	111	weak	strong
Foot angle	99	low angles	steep angles
Fore udder length	107	short	long
Rear udder width	104	narrow	wide
Rear udder height	100	low	high
Susp. ligament	102	weak	strong
Udder depth	105	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	96	staged	inclined
Teat length	97	short	long
Teat thickness	107	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Darwin Pp*

HB No. 10/347700
LOM DE 09 57203057
Born 23.09.2022

AG DAVE Pp* — AG DAVID Pp* / HILDE

735 — **AG VASELINO** — 676 — **HACKER**
1/1 7814 4,40 344 3,38 264
5/5 7688 4,06 312 3,57 275

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

A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: April 2024)	TMI 132	71%

MILK INDEX	MI 121	80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+617	+0,07	+32	+0,05	+26

BEEF PERFORMANCE	BI 104	57%

Daily net gain	Carcass percentage	Carcass grade
104	102	102

FUNCTIONAL TRAITS	FIT 110	73%

				Calving ease				
MS	UH	Pers	PL	CEp	CEm	Fert	VIT	ETMI
103	104	102	114	97	108	101	108	123

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Rump	**104**		
Feet & Legs	**107**		
Udder	**110**		
Final Score	**109**		
Muscling	106	light	heavy
Height at cross	103	small	large
Chest width	105	shallow	deep
Body depth	103	shallow	deep
Backline	89	weak	strong
Rump length	101	short	long
Rump width	98	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	109	straight	sickled
Hock develop.	111	swollen	dry
Pasterns	97	weak	strong
Foot angle	99	low angles	steep angles
Fore udder length	101	short	long
Rear udder width	105	narrow	wide
Rear udder height	104	low	high
Susp. ligament	94	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	102	staged	inclined
Teat length	97	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	101	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Vlado Pp*

HB No. 10/346675
LOM DE 09 58197451
Born 10.11.2022

VOLANTIS — GS VORSPRUNG / HIMIKO

912 7/6 9655 4,11 397 3,74 361 — **EMSLAND PS** / LINA 1/1 7040 4,09 288 3,81 268 — **HURAY**

Milk | **Persistency** | **Longevity**

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 132** 71%

MILK INDEX **MI 121** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+894	-0,09	+30	-0,05	+28

BEEF PERFORMANCE **BI 98** 58%

Daily net gain	Carcass percentage	Carcass grade
98	100	97

FUNCTIONAL TRAITS **FIT 112** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
98	103	122	116	97	105	101	92	125

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**107**		
Rump	**107**		
Feet & Legs	**104**		
Udder	**109**		
Final Score	**108**		
Muscling	100	light	heavy
Height at cross	111	small	large
Chest width	103	shallow	deep
Body depth	110	shallow	deep
Backline	89	weak	strong
Rump length	106	short	long
Rump width	104	narrow	wide
Rump angle	101	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	101	straight	sickled
Hock develop.	108	swollen	dry
Pasterns	99	weak	strong
Foot angle	94	low angles	steep angles
Fore udder length	102	short	long
Rear udder width	100	narrow	wide
Rear udder height	104	low	high
Susp. ligament	102	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	97	staged	inclined
Teat length	102	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	84	wide	close
Teat placem. (rear)	89	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	102	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 5/4 11123 4,52 503 3,59 400 — **AG VOX** / BLUME 3/3 8898 4,22 375 3,75 334 — **HEGALL**

Milk | **Components** | **Fertility**

A2A2

AA

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 130** 71%

MILK INDEX **MI 126** 80%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+679	+0,19	+45	+0,05	+29

BEEF PERFORMANCE **BI 99** 59%

Daily net gain	Carcass percentage	Carcass grade
102	94	95

FUNCTIONAL TRAITS **FIT 102** 73%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
103	103	86	101	100	105	106	102	115

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

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**102**		
Rump	**101**		
Feet & Legs	**107**		
Udder	**107**		
Final Score	**106**		
Muscling	93	light	heavy
Height at cross	104	small	large
Chest width	98	shallow	deep
Body depth	106	shallow	deep
Backline	97	weak	strong
Rump length	98	short	long
Rump width	100	narrow	wide
Rump angle	111	ascending	sloped
Thurl position	106	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	92	swollen	dry
Pasterns	111	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	110	short	long
Rear udder width	107	narrow	wide
Rear udder height	109	low	high
Susp. ligament	96	weak	strong
Udder depth	100	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	100	staged	inclined
Teat length	100	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	94	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	96	add. teats	clean udder

genomic

genomic

Bismark

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

aAa **651423**

BILANZ
BISTO
SUSANN

1605
3/2 9251 4,83 447 3,90 361

ANTONOV
1314
6/5 10515 4,37 460 3,90 410

CADENCE

Type	Components	Persistency
	A2A2	
	BB	

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 129** 76%

MILK INDEX **MI 122** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+587	+0,13	+36	+0,07	+27

BEEF PERFORMANCE **BI 102** 64%

Daily net gain	Carcass percentage	Carcass grade
105	99	92

FUNCTIONAL TRAITS **FIT 104** 76%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
97	101	113	104	98	102	100	98	123

1605, dam of Bismark

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**113**		
Rump	**110**		
Feet & Legs	**109**		
Udder	**113**		
Final Score	**115**		
Muscling	106	light	heavy
Height at cross	113	small	large
Chest width	108	shallow	deep
Body depth	108	shallow	deep
Backline	105	weak	strong
Rump length	114	short	long
Rump width	93	narrow	wide
Rump angle	103	ascending	sloped
Thurl position	110	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	108	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	104	short	long
Rear udder width	118	narrow	wide
Rear udder height	104	low	high
Susp. ligament	103	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	107	loose	tight
Udder balance	91	staged	inclined
Teat length	86	short	long
Teat thickness	95	thin	thick
Teat placem. (front)	113	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Balduin P*S

HB No. 10/347590
LOM DE 09 57377411
Born 19.01.2022

BLOOMLORD
BLOOMING
15343

OLMA Pp*
5/4 8725 4,16 363 3,72 325

AG HEBRON
OLIVE
5/5 10326 4,01 414 3,62 374

EMSLAND PS

Milk	Frame	Udder
	A2A2	
	BB	

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 127** 74%

MILK INDEX **MI 120** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+904	-0,10	+29	-0,07	+27

BEEF PERFORMANCE **BI 92** 61%

Daily net gain	Carcass percentage	Carcass grade
93	98	93

FUNCTIONAL TRAITS **FIT 107** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
105	106	106	101	98	108	104	102	119

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Rump	**108**		
Feet & Legs	**103**		
Udder	**117**		
Final Score	**114**		
Muscling	94	light	heavy
Height at cross	107	small	large
Chest width	103	shallow	deep
Body depth	109	shallow	deep
Backline	109	weak	strong
Rump length	110	short	long
Rump width	114	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	100	straight	sickled
Hock develop.	92	swollen	dry
Pasterns	99	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	117	short	long
Rear udder width	112	narrow	wide
Rear udder height	111	low	high
Susp. ligament	101	weak	strong
Udder depth	103	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	98	staged	inclined
Teat length	89	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	113	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	99	add. teats	clean udder

GGI-SPERMEX GmbH Genetics made in Germany

Vallejo Pp*

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

aAa **432561**

VALID — VASSLI / ARQUTTE
RUBI 6/6 9398 3,77 354 3,45 325 — **WACHTER Pp*** RITA 6/6 9861 4,00 394 3,64 359 — **JULENG**

Type	Longevity	Fat %

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 126** 76%

MILK INDEX **MI 117** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+567	+0,04	+27	+0,02	+22

BEEF PERFORMANCE **BI 114** 66%

Daily net gain	Carcass percentage	Carcass grade
113	102	107

FUNCTIONAL TRAITS **FIT 108** 77%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
111	110	103	113	96	100	99	94	121

LINEAR DESCRIPTION

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**111**		
Rump	**101**		
Feet & Legs	**106**		
Udder	**116**		
Final Score	**114**		
Muscling	108	light	heavy
Height at cross	113	small	large
Chest width	109	shallow	deep
Body depth	113	shallow	deep
Backline	94	weak	strong
Rump length	115	short	long
Rump width	113	narrow	wide
Rump angle	87	ascending	sloped
Thurl position	96	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	91	swollen	dry
Pasterns	104	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	105	short	long
Rear udder width	100	narrow	wide
Rear udder height	105	low	high
Susp. ligament	101	weak	strong
Udder depth	109	deep	shallow
Fore udder att.	114	loose	tight
Udder balance	100	staged	inclined
Teat length	99	short	long
Teat thickness	85	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Bachelor

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

aAa **654123**

BENDER — BIVER / DALILA
BRISKA 4/4 10328 3,90 403 3,49 360 — **ASSAY** BIRGIT 3/2 7770 3,92 304 3,65 284 — **PROHUVO**

Type	Components	Longevity

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 122** 80%

MILK INDEX (D: 6, H: 4) **MI 114** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+271	+0,12	+21	+0,10	+18

BEEF PERFORMANCE **BI 102** 72%

Daily net gain	Carcass percentage	Carcass grade
103	102	98

FUNCTIONAL TRAITS **FIT 106** 81%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
108	107	114	114	93	112	91	92	125

Briska, dam of Bachelor, 3rd lac.

LINEAR DESCRIPTION 4 DAUGHTERS

Trait	Index	Tendency 76 88 100 112 124 136	Tendency
Frame	**117**		
Rump	**116**		
Feet & Legs	**108**		
Udder	**131**		
Final Score	**124**		
Muscling	107	light	heavy
Height at cross	118	small	large
Chest width	109	shallow	deep
Body depth	116	shallow	deep
Backline	102	weak	strong
Rump length	119	short	long
Rump width	113	narrow	wide
Rump angle	104	ascending	sloped
Thurl position	112	in the back	in the centre
Hock angularity	103	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	109	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	116	narrow	wide
Rear udder height	112	low	high
Susp. ligament	104	weak	strong
Udder depth	125	deep	shallow
Fore udder att.	114	loose	tight
Udder balance	106	staged	inclined
Teat length	77	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	125	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	109	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*
3/2 8777 4,24 373 3,79 333

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 2024) **TMI 121** 74%

MILK INDEX **MI 119** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+479	+0,10	+29	+0,09	+24

BEEF PERFORMANCE **BI 101** 61%

Daily net gain	Carcass percentage	Carcass grade
102	101	94

FUNCTIONAL TRAITS **FIT 99** 75%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
92	107	93	100	94	104	95	101	113

LINEAR DESCRIPTION

Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**104**								
Rump	**89**								
Feet & Legs	**111**								
Udder	**107**								
Final Score	**109**								
Muscling	86	light							heavy
Height at cross	109	small							large
Chest width	93	shallow							deep
Body depth	107	shallow							deep
Backline	95	weak							strong
Rump length	96	short							long
Rump width	97	narrow							wide
Rump angle	92	ascending							sloped
Thurl position	88	in the back							in the centre
Hock angularity	95	straight							sickled
Hock develop.	107	swollen							dry
Pasterns	105	weak							strong
Foot angle	101	low angles							steep angles
Fore udder length	112	short							long
Rear udder width	108	narrow							wide
Rear udder height	110	low							high
Susp. ligament	92	weak							strong
Udder depth	97	deep							shallow
Fore udder att.	104	loose							tight
Udder balance	107	staged							inclined
Teat length	96	short							long
Teat thickness	98	thin							thick
Teat placem. (front)	100	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	104	outwards							inwards
Udder cleanness	100	add. teats							clean udder

Slater PP*

HB No. 10/435565
LOM DE 08 18272519
Born 19.08.2022

SAGAN P*S
SALOMON
FILOU Pp*

ERNI
3/2 8152 4,91 401 3,51 287

VISOR P*S
ERNA
8/8 8714 4,33 377 3,57 311

JOMO

Components | Vitality | Udder

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2024) **TMI 121** 70%

MILK INDEX **MI 115** 79%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+484	+0,05	+24	+0,02	+19

BEEF PERFORMANCE **BI 95** 58%

Daily net gain	Carcass percentage	Carcass grade
94	103	97

FUNCTIONAL TRAITS **FIT 104** 72%

MS	UH	Pers	PL	Calving ease CEp	Calving ease CEm	Fert	VIT	ETMI
100	105	96	108	99	101	97	109	114

LINEAR DESCRIPTION

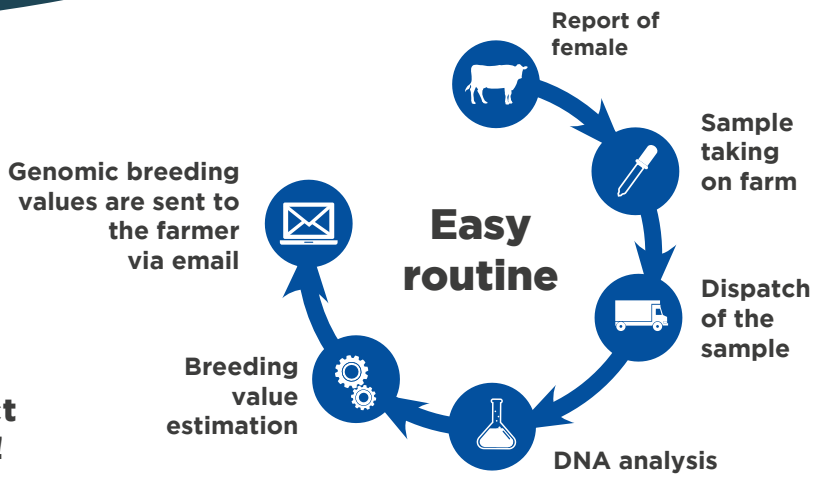
Trait	Index	Tendency	76	88	100	112	124	136	Tendency
Frame	**103**								
Rump	**97**								
Feet & Legs	**108**								
Udder	**111**								
Final Score	**108**								
Muscling	103	light							heavy
Height at cross	100	small							large
Chest width	104	shallow							deep
Body depth	104	shallow							deep
Backline	102	weak							strong
Rump length	97	short							long
Rump width	100	narrow							wide
Rump angle	91	ascending							sloped
Thurl position	95	in the back							in the centre
Hock angularity	102	straight							sickled
Hock develop.	110	swollen							dry
Pasterns	107	weak							strong
Foot angle	102	low angles							steep angles
Fore udder length	114	short							long
Rear udder width	113	narrow							wide
Rear udder height	111	low							high
Susp. ligament	97	weak							strong
Udder depth	103	deep							shallow
Fore udder att.	111	loose							tight
Udder balance	103	staged							inclined
Teat length	100	short							long
Teat thickness	97	thin							thick
Teat placem. (front)	104	wide							close
Teat placem. (rear)	98	wide							close
Teat direction (rear)	96	outwards							inwards
Udder cleanness	103	add. teats							clean udder

We now offer herd genotyping!

Find the most profitable animals in your herd and realize fast breeding progress!

THE ADVANTAGES FOR YOUR HERD:

- Exclusive genomic breeding values
- More focused mating decisions
- Optimized use of mating programs
- Selection of the desired heifers for herd replacement
- Increased breeding progress
- Improvement of herd health
- Increased profitability



Tipp: The genotyping of the whole herd leads to full control of the herd progress and highest profitability.

For more information please contact GGI-SPERMEX or your local partner!

Original Braunvieh

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!

ALLGÄU
10/347510:

V: Amnil DE 09 12530623
M: Doni DE 09 52194840
3/3 5.267 3,61 3,46 372
HL 3 5.588 3,72 3,61 410

PIUS
10/347490:

V: Prodel DE 08 03612131
M: Viola DE 09 43666882
9/8 8.261 3,35 3,38 556
HL 8 10.132 3,04 3,30 642

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: Cappa Casein

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

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

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

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

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

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

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

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

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

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

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

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

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

LINEAR DESCRIPTION: 104 daughters

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

Abreviaturas

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

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

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

D/H: número de hijas en número de rebaños

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

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

MS = velocidad de ordeño

UH = indicador para la salud de la ubre

Pers = persistencia

PL = vida útil – longevidad

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

Fert = fertilidad

VIT = vitalidad de los terneros

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

CONFORMACIÓN: 104 Hijas

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

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