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2020

Proofs: April 2020

BROWN SWISS

Progeny tested
Genomic
Polled

GGI-SPERMEX
Genetics made in Germany

SIRE CATALOGUE

Welcome to the next g

Dear Brown Swiss friends, partners and customers,

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

The German Brown Swiss catalogue of GGI-SPERMEX offers a wide range of sires with universal qualities. Moreover, you will also find specialists for certain traits if you are looking to improve particular traits in your herd. Our program includes progeny tested Brown Swiss sires out of different bloodlines and dam sires as well as a large number of young genomic sires. It is completed by quite a few polled Brown Swiss sires with well-balanced breeding values and different pedigrees.

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

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

generation!

Brown Swiss... More than milk...

BROWN SWISS

MORE THAN MILK

After an intensive work with all European National Associations to redesign the breed positioning, the European Brown Swiss Federation unveiled the new Brown Swiss communication through a new logo.

As a signal of UNITY and COMMITMENT, the common brand name BROWN SWISS will now be used by all country members to promote the breed in their communication activities.

Brown Swiss is the cow for forward-thinking farmers who seek long-term profitability, produce milk in an authentic and reliable way, care for animal well-being and feel a sense of belonging with the breed. In shorter terms: **your smart choice for high quality farming!**

GGI-SPERMEX GmbH takes up the decision of the European Brown Swiss Federation and will in future use the name Brown Swiss in all languages.

Overview Brown Swiss

BROWN SWISS - progeny tested

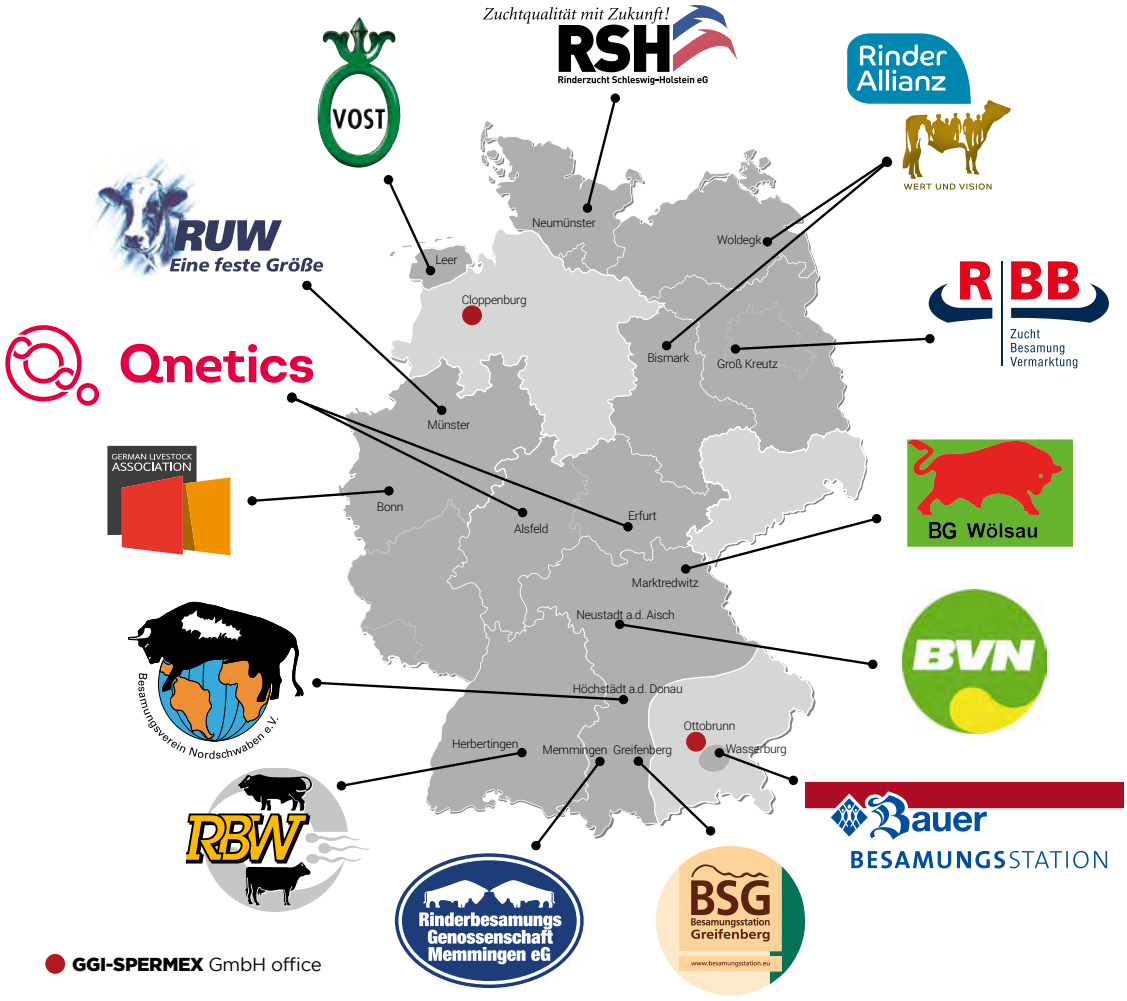
genomic young sires

polled genetics

info

Cover photo: CASTLE daughter **Bini,** © Luca Nolli
Page 1+2: Erafax daughter **Fuchsi,** 3 calves, Champion cow Brown Swiss at the German Dairy Show, © Wolfhard Schulze, Luca Nolli
Backcover photo: **Antonov & Alexey,** © Wolfhard Schulze

About GGI-SPERMEX



About us

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

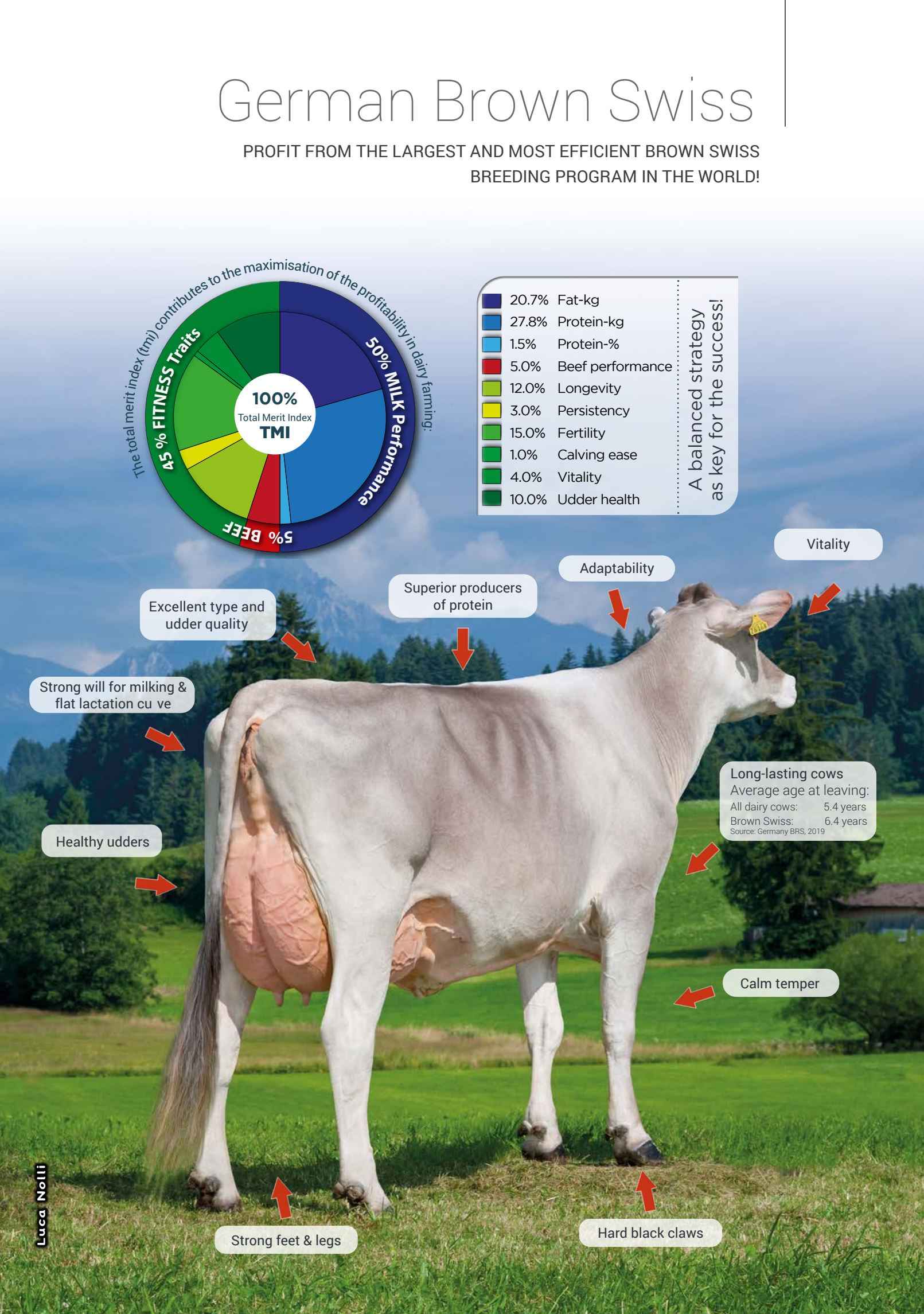
In co-operation with our international partners, GGI-SPERMEX gives breeders worldwide access to the entire potential of German cattle breeds.

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

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

German Brown Swiss

PROFIT FROM THE LARGEST AND MOST EFFICIENT BROWN SWISS BREEDING PROGRAM IN THE WORLD!



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 2019 Brown Swiss cows were slaughtered with an average lifetime production of 30,076 kg milk and an age of 47.1 months. Brown Swiss cows thus remain in their barns for almost one year longer than the average dairy cow in Germany.
The increasing longevity of the Brown Swiss cows leads to the fact that more and more cows reach the benchmark of 100,000 kg milk lifetime production.

Jucator daughter Uganda
Reserve Champion Brown Swiss at the German Dairy Show 2019

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.

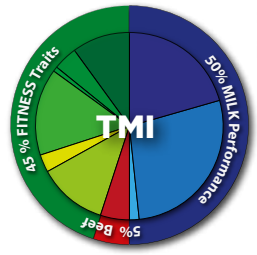
Brown Swiss
Broad variety of bloodlines available!
Luca Nolli

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 147,000 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. Cows are inspected twice after the 3rd lactation to document the development of the main type traits.



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.

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

Husold

HBNr. 10/435188
LOM DE 08 14662067
Born 10.02.2011

HURAY *TM
- HUSSLI
- LAURA

ZIRBEL
8/8 8312 4.25 354 3.72 309
- **PRESOLD *TM**
  - ZITTA
  - 4/4 6696 3.68 246 3.52 236
- **DENMARK *TM**

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

AB

progeny tested

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 137** 97%

MILK PERFORMANCE (D: 786, H: 399) **MI 119** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+920	-0,15	+26	-0,06	+28

BEEF PERFORMANCE **BI 110** 93%

Daily net gain	Carcass percentage	Carcass grade
111	100	106

FUNCTIONAL TRAITS **FIT 124** 96%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
97	119	130	115	106	100	119	105	132

Indienne, daughter of Husold, France

LINEAR DESCRIPTION 258 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**101**		
Rump	**101**		
Feet & Legs	**107**		
Udder	**108**		
Final Score	**106**		
Muscling	89	light	heavy
Height at cross	109	small	large
Chest width	89	shallow	deep
Body depth	100	shallow	deep
Backline	88	weak	strong
Rump length	99	short	long
Rump width	96	narrow	wide
Rump angle	111	ascending	sloped
Thurl position	89	in the back	in the centre
Hock angularity	88	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	102	weak	strong
Foot angle	98	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	100	narrow	wide
Rear udder height	112	low	high
Susp. ligament	92	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	99	loose	tight
Udder balance	94	staged	inclined
Teat length	103	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Veteran

HBNr. 10/345440
LOM DE 09 50029409
Born 27.09.2014

aAa **432615**

AG VERDI
- VERSACE
- IDRO

KATZE
5/5 9371 4.18 392 3.76 353
- **ETPAT (M*)**
  - KARLO
  - 3/3 10288 3.71 381 3.56 367
- **HURAY**

Components **Fitness** **Udder composite**

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 128** 85%

MILK PERFORMANCE (D: 123, H: 107) **MI 115** 90%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+52	+0,23	+20	+0,25	+21

BEEF PERFORMANCE **BI 114** 85%

Daily net gain	Carcass percentage	Carcass grade
113	106	109

FUNCTIONAL TRAITS **FIT 120** 79%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
89	110	117	117	95	106	113	112	123

Katze, dam of Veteran, 4th lac.

LINEAR DESCRIPTION 51 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**96**		
Rump	**103**		
Feet & Legs	**107**		
Udder	**111**		
Final Score	**106**		
Muscling	79	light	heavy
Height at cross	98	small	large
Chest width	84	shallow	deep
Body depth	92	shallow	deep
Backline	108	weak	strong
Rump length	91	short	long
Rump width	89	narrow	wide
Rump angle	107	ascending	sloped
Thurl position	117	in the back	in the centre
Hock angularity	88	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	104	weak	strong
Foot angle	92	low angles	steep angles
Fore udder length	100	short	long
Rear udder width	102	narrow	wide
Rear udder height	115	low	high
Susp. ligament	101	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	92	staged	inclined
Teat length	87	short	long
Teat thickness	108	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Amor

HBNr. 10/356730
LOM DE 09 49030919
Born 23.11.2014

aAa **342156**

ANIBAL — VIGOR / ALLISON
DEBORA 6/5 11291 3.64 411 3.60 406 — **HURAY** / DIANA 4/3 9241 3.60 333 3.38 312 — **DYNAMIT**

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

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 127** 89%

MILK PERFORMANCE (D: 258, H: 184) **MI 120** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1076	-0,18	+30	-0,11	+29

BEEF PERFORMANCE **BI 81** 95%

Daily net gain	Carcass percentage	Carcass grade
90	86	68

FUNCTIONAL TRAITS **FIT 113** 83%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
96	110	119	118	87	92	96	112	118

Sonja, daughter of Amor

LINEAR DESCRIPTION 118 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**99**		
Rump	**94**		
Feet & Legs	**111**		
Udder	**115**		
Final Score	**108**		
Muscling	81	light	heavy
Height at cross	106	small	large
Chest width	87	shallow	deep
Body depth	102	shallow	deep
Backline	101	weak	strong
Rump length	100	short	long
Rump width	102	narrow	wide
Rump angle	93	ascending	sloped
Thurl position	79	in the back	in the centre
Hock angularity	99	straight	sickled
Hock develop.	92	swollen	dry
Pasterns	109	weak	strong
Foot angle	116	low angles	steep angles
Fore udder length	112	short	long
Rear udder width	118	narrow	wide
Rear udder height	113	low	high
Susp. ligament	108	weak	strong
Udder depth	97	deep	shallow
Fore udder att.	102	loose	tight
Udder balance	97	staged	inclined
Teat length	108	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	118	wide	close
Teat placem. (rear)	114	wide	close
Teat direction (rear)	116	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Vanpari

HBNr. 10/354130
LOM DE 09 44346439
Born 17.04.2010

aAa **462153**

VASIR — VINOZAK *TW / GABI
LAURIS 5/5 8501 4.31 367 3.94 335 — **ETPAT (M*)** / LAURA 5/5 12041 3.98 480 3.55 428 — **SIRAY**

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

A2A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 126** 99%

MILK PERFORMANCE (D: 3012, H: 1666) **MI 119** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+468	+0,18	+34	+0,06	+22

BEEF PERFORMANCE **BI 100** 99%

Daily net gain	Carcass percentage	Carcass grade
99	99	102

FUNCTIONAL TRAITS **FIT 110** 98%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
98	105	96	104	92	110	110	113	117

Gerri, daughter of Vanpari

LINEAR DESCRIPTION 669 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**102**		
Rump	**94**		
Feet & Legs	**113**		
Udder	**110**		
Final Score	**108**		
Muscling	85	light	heavy
Height at cross	103	small	large
Chest width	94	shallow	deep
Body depth	101	shallow	deep
Backline	99	weak	strong
Rump length	107	short	long
Rump width	76	narrow	wide
Rump angle	89	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	116	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	116	short	long
Rear udder width	109	narrow	wide
Rear udder height	106	low	high
Susp. ligament	108	weak	strong
Udder depth	98	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	100	staged	inclined
Teat length	89	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	102	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	102	add. teats	clean udder

progeny tested

Verdi

HBNr. 10/354600
LOM DE 09 46663620
Born 05.04.2012

aAa **546312**

VERSACE *TM — PRESIDENT ET (D) / VENEZIA
IDRO — **PRONTO** / IRONA — **HUSSLI**
11/11 9206 4.00 369 3.55 327
3/3 9558 4.33 414 3.33 319

Components **Fertility** **Persistency**

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 125** 98%

MILK PERFORMANCE (D: 1325, H: 746) **MI 116** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+159	+0,22	+24	+0,19	+21

BEEF PERFORMANCE **BI 94** 96%

Daily net gain	Carcass percentage	Carcass grade
92	100	102

FUNCTIONAL TRAITS **FIT 114** 96%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
101	112	113	105	94	112	114	97	115

Uschi, daughter of Verdi

LINEAR DESCRIPTION 591 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**96**		
Rump	**102**		
Feet & Legs	**102**		
Udder	**103**		
Final Score	**101**		
Muscling	92	light	heavy
Height at cross	95	small	large
Chest width	92	shallow	deep
Body depth	95	shallow	deep
Backline	95	weak	strong
Rump length	90	short	long
Rump width	107	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	76	straight	sickled
Hock develop.	77	swollen	dry
Pasterns	114	weak	strong
Foot angle	95	low angles	steep angles
Fore udder length	96	short	long
Rear udder width	101	narrow	wide
Rear udder height	106	low	high
Susp. ligament	103	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	102	loose	tight
Udder balance	97	staged	inclined
Teat length	109	short	long
Teat thickness	106	thin	thick
Teat placem. (front)	82	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	96	add. teats	clean udder

Auranto

HBNr. 10/435238
LOM DE 08 15682072
Born 13.05.2014

aAa **342561**

ANIBAL — VIGOR / ALLISON
NINA 844 — **HURAY** / NINI — **PRONTO**
6/6 9413 3.92 369 3.56 335
5/5 8284 4.16 345 3.50 290

Milk **Persistency** **Longevity**

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 125** 95%

MILK PERFORMANCE (D: 820, H: 370) **MI 115** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+676	-0,07	+23	-0,03	+22

BEEF PERFORMANCE **BI 101** 97%

Daily net gain	Carcass percentage	Carcass grade
108	93	87

FUNCTIONAL TRAITS **FIT 114** 91%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
104	102	121	113	106	95	110	112	120

Noemi, daughter of Auranto

LINEAR DESCRIPTION 366 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**108**		
Rump	**102**		
Feet & Legs	**101**		
Udder	**105**		
Final Score	**107**		
Muscling	93	light	heavy
Height at cross	102	small	large
Chest width	108	shallow	deep
Body depth	110	shallow	deep
Backline	97	weak	strong
Rump length	109	short	long
Rump width	98	narrow	wide
Rump angle	88	ascending	sloped
Thurl position	95	in the back	in the centre
Hock angularity	100	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	101	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	107	narrow	wide
Rear udder height	102	low	high
Susp. ligament	105	weak	strong
Udder depth	97	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	101	staged	inclined
Teat length	106	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	112	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Hercules

HBNr. 10/354860
LOM DE 09 47134850
Born 22.11.2012

aAa **243615**

HEGALL — HUSJET / KORAL
HELENA 4/3 10619 3.66 389 3.55 377 — **HURAY** / HELEN 4/3 11887 4.31 512 3.72 442 — **PRONTO**

Milk | **Milking speed** | **Feet & legs**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 124** 95%

MILK PERFORMANCE (D: 545, H: 359) **MI 126** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1266	-0,20	+35	-0,08	+38

BEEF PERFORMANCE **BI 101** 95%

Daily net gain	Carcass percentage	Carcass grade
104	93	97

FUNCTIONAL TRAITS **FIT 97** 92%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
111	97	118	106	105	94	94	84	113

Helen, Granddam of Hercules, 2nd lac.

LINEAR DESCRIPTION 180 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**100**		
Rump	**100**		
Feet & Legs	**110**		
Udder	**100**		
Final Score	**102**		
Muscling	74	light	heavy
Height at cross	105	small	large
Chest width	93	shallow	deep
Body depth	98	shallow	deep
Backline	100	weak	strong
Rump length	92	short	long
Rump width	92	narrow	wide
Rump angle	104	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	105	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	119	narrow	wide
Rear udder height	117	low	high
Susp. ligament	102	weak	strong
Udder depth	95	deep	shallow
Fore udder att.	83	loose	tight
Udder balance	80	staged	inclined
Teat length	78	short	long
Teat thickness	84	thin	thick
Teat placem. (front)	120	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	114	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Hebron

HBNr. 10/354880
LOM DE 09 47582494
Born 15.12.2012

aAa **654123**

HEGALL — HUSJET / KORAL
PASTA 6/6 10639 4.70 500 3.70 393 — **VASIR** / PAUKE 7/6 10816 4.71 509 3.68 398 — **JUPAZ (M*)**

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

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 123** 97%

MILK PERFORMANCE (D: 1096, H: 642) **MI 120** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+309	+0,37	+42	+0,12	+21

BEEF PERFORMANCE **BI 83** 96%

Daily net gain	Carcass percentage	Carcass grade
88	80	88

FUNCTIONAL TRAITS **FIT 106** 95%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
98	117	89	94	100	105	109	100	113

1118, daughter of Hebron

LINEAR DESCRIPTION 291 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**83**		
Rump	**81**		
Feet & Legs	**112**		
Udder	**115**		
Final Score	**101**		
Muscling	89	light	heavy
Height at cross	84	small	large
Chest width	89	shallow	deep
Body depth	90	shallow	deep
Backline	85	weak	strong
Rump length	81	short	long
Rump width	102	narrow	wide
Rump angle	83	ascending	sloped
Thurl position	97	in the back	in the centre
Hock angularity	85	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	114	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	101	short	long
Rear udder width	105	narrow	wide
Rear udder height	119	low	high
Susp. ligament	107	weak	strong
Udder depth	107	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	91	staged	inclined
Teat length	100	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	97	wide	close
Teat direction (rear)	92	outwards	inwards
Udder cleanness	90	add. teats	clean udder

progeny tested

Hudson

HBNr. 10/345140
LOM DE 08 15580812
Born 12.01.2014

aAa **615243**

HUSOLD
- HURAY
- ZIRBEL

50
4/4 8364 4.43 371 3.58 300
- **EASTON**
  - 30
  - 4/4 6234 4.21 262 3.56 222
- **ACHET**

Milk	Persistency	Longevity

A1A1

AA

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 123** 85%

MILK PERFORMANCE (D: 119, H: 103) **MI 116** 92%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+753	-0,14	+20	-0,03	+24

BEEF PERFORMANCE **BI 104** 80%

Daily net gain	Carcass percentage	Carcass grade
102	103	107

FUNCTIONAL TRAITS **FIT 113** 79%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
91	112	122	112	103	94	103	107	119

Helda, daughter of Hudson

LINEAR DESCRIPTION 61 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**110**		
Rump	**104**		
Feet & Legs	**103**		
Udder	**104**		
Final Score	**107**		
Muscling	90	light	heavy
Height at cross	109	small	large
Chest width	96	shallow	deep
Body depth	106	shallow	deep
Backline	96	weak	strong
Rump length	106	short	long
Rump width	100	narrow	wide
Rump angle	110	ascending	sloped
Thurl position	86	in the back	in the centre
Hock angularity	84	straight	sickled
Hock develop.	100	swollen	dry
Pasterns	104	weak	strong
Foot angle	89	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	97	narrow	wide
Rear udder height	108	low	high
Susp. ligament	107	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	88	loose	tight
Udder balance	94	staged	inclined
Teat length	110	short	long
Teat thickness	107	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	96	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	90	add. teats	clean udder

Highleng

HBNr. 10/435230
LOM DE 08 15452264
Born 14.10.2013

aAa **432561**

GS HIGHWAY
- HURAY
- ALICE

SISSI
3/3 7215 4.72 340 3.51 253
- **JULENG**
  - SILKE
  - 5/5 8749 3.81 333 3.33 291
- **HUCOS**

Udder composite	Fitness	Milk

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 122** 90%

MILK PERFORMANCE (D: 214, H: 129) **MI 115** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+785	-0,12	+23	-0,07	+22

BEEF PERFORMANCE **BI 96** 89%

Daily net gain	Carcass percentage	Carcass grade
96	99	98

FUNCTIONAL TRAITS **FIT 111** 85%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
102	106	109	111	105	96	105	110	122

Gänseblümchen, daughter of Highleng

LINEAR DESCRIPTION 118 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**103**		
Rump	**101**		
Feet & Legs	**108**		
Udder	**116**		
Final Score	**112**		
Muscling	107	light	heavy
Height at cross	96	small	large
Chest width	105	shallow	deep
Body depth	110	shallow	deep
Backline	91	weak	strong
Rump length	102	short	long
Rump width	109	narrow	wide
Rump angle	97	ascending	sloped
Thurl position	104	in the back	in the centre
Hock angularity	100	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	98	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	127	short	long
Rear udder width	118	narrow	wide
Rear udder height	102	low	high
Susp. ligament	105	weak	strong
Udder depth	98	deep	shallow
Fore udder att.	122	loose	tight
Udder balance	106	staged	inclined
Teat length	109	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	106	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	105	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Brilliant

HBNr. 10/344880
LOM DE 09 48335329
Born 06.01.2013

aAa **615243** GF.: B2C

BROOKINGS — PAYOFF / BROOKE
SELINA 4/4 12635 4.09 517 3.73 471 — **EGIZ** SUSI 2/1 9797 4.04 396 3.91 383 — **HUSSLI**

Type	Fitness	Components

A1A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020)	TMI 121 88%

MILK PERFORMANCE (D: 127, H: 105)	MI 112 93%			
milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+201	+0,13	+19	+0,10	+15

BEEF PERFORMANCE	BI 104 83%	
Daily net gain	Carcass percentage	Carcass grade
103	107	101

FUNCTIONAL TRAITS								FIT 115 83%
				Calving ease				
MS	UH	Pers	PL	pat	mat	Fert	VIT	ETMI
94	108	113	112	105	110	113	102	125

Erika, daughter of Brilliant

LINEAR DESCRIPTION 53 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**111**		
Rump	**114**		
Feet & Legs	**118**		
Udder	**114**		
Final Score	**116**		
Muscling	111	light	heavy
Height at cross	109	small	large
Chest width	110	shallow	deep
Body depth	107	shallow	deep
Backline	91	weak	strong
Rump length	103	short	long
Rump width	109	narrow	wide
Rump angle	107	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	86	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	118	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	94	short	long
Rear udder width	109	narrow	wide
Rear udder height	110	low	high
Susp. ligament	106	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	101	loose	tight
Udder balance	86	staged	inclined
Teat length	83	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	116	wide	close
Teat direction (rear)	118	outwards	inwards
Udder cleanness	107	add. teats	clean udder

Anibay

HBNr. 10/435228
LOM DE 08 15625951
Born 13.10.2013

aAa **234165**

ANIBAL — VIGOR / ALLISON
INDIRA 3/3 9396 4.42 415 3.67 345 — **HURAY** INDORA 5/5 9217 4.51 416 3.65 336 — **PRONTO**

Milk	Type	Persistency

A1A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020)	TMI 121 96%

MILK PERFORMANCE (D: 782, H: 325)	MI 113 99%			
milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+995	-0,16	+28	-0,24	+15

BEEF PERFORMANCE	BI 83 94%	
Daily net gain	Carcass percentage	Carcass grade
94	86	67

FUNCTIONAL TRAITS								FIT 113 93%
				Calving ease				
MS	UH	Pers	PL	pat	mat	Fert	VIT	ETMI
97	112	130	121	97	96	96	96	117

Lobana, daughter of Anibay

LINEAR DESCRIPTION 412 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**112**		
Rump	**101**		
Feet & Legs	**115**		
Udder	**115**		
Final Score	**116**		
Muscling	84	light	heavy
Height at cross	116	small	large
Chest width	102	shallow	deep
Body depth	108	shallow	deep
Backline	103	weak	strong
Rump length	106	short	long
Rump width	102	narrow	wide
Rump angle	101	ascending	sloped
Thurl position	95	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	111	swollen	dry
Pasterns	109	weak	strong
Foot angle	100	low angles	steep angles
Fore udder length	103	short	long
Rear udder width	104	narrow	wide
Rear udder height	118	low	high
Susp. ligament	97	weak	strong
Udder depth	111	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	100	staged	inclined
Teat length	98	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	121	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	98	outwards	inwards
Udder cleanness	104	add. teats	clean udder

progeny tested

Cadura

HBNr. 10/435267
LOM DE 08 16074070
Born 24.05.2015

CADENCE — BROOKINGS / BUFFY
706 — GS HUXOY / IDA — HURAY
4/3 12542 3.73 468 3.53 442
7/7 11432 4.06 464 3.39 388

Milk	Type	Fitness

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 121** 82%

MILK PERFORMANCE (D: 103, H: 76) **MI 115** 86%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+815	-0,22	+16	-0,05	+25

BEEF PERFORMANCE **BI 104** 94%

Daily net gain	Carcass percentage	Carcass grade
105	104	96

FUNCTIONAL TRAITS **FIT 112** 77%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
107	113	102	112	107	108	110	89	118

LINEAR DESCRIPTION 45 DAUGHTERS

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**114**								
Rump	**105**								
Feet & Legs	**106**								
Udder	**117**								
Final Score	**115**								
Muscling	97	light							heavy
Height at cross	109	small							large
Chest width	111	shallow							deep
Body depth	112	shallow							deep
Backline	94	weak							strong
Rump length	104	short							long
Rump width	115	narrow							wide
Rump angle	89	ascending							sloped
Thurl position	87	in the back							in the centre
Hock angularity	97	straight							sickled
Hock develop.	107	swollen							dry
Pasterns	102	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	115	short							long
Rear udder width	118	narrow							wide
Rear udder height	117	low							high
Susp. ligament	101	weak							strong
Udder depth	106	deep							shallow
Fore udder att.	108	loose							tight
Udder balance	102	staged							inclined
Teat length	102	short							long
Teat thickness	90	thin							thick
Teat placem. (front)	98	wide							close
Teat placem. (rear)	93	wide							close
Teat direction (rear)	98	outwards							inwards
Udder cleanness	100	add. teats							clean udder

Voli

HBNr. 10/435221
LOM DE 08 15418747
Born 15.07.2013

AG VOLVO — VIGOR / LINDE
AIDA — HURAY / AGATHE — EASTON
7/6 10726 4.26 457 3.53 379
4/4 12323 4.10 505 3.45 425

Fertility	Milk	Frame

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 121** 92%

MILK PERFORMANCE (D: 256, H: 140) **MI 118** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+662	+0,01	+29	+0,01	+25

BEEF PERFORMANCE **BI 94** 91%

Daily net gain	Carcass percentage	Carcass grade
99	88	90

FUNCTIONAL TRAITS **FIT 107** 88%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
102	101	98	97	96	115	118	95	112

LINEAR DESCRIPTION 153 DAUGHTERS

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**109**								
Rump	**106**								
Feet & Legs	**99**								
Udder	**100**								
Final Score	**105**								
Muscling	81	light							heavy
Height at cross	107	small							large
Chest width	102	shallow							deep
Body depth	108	shallow							deep
Backline	106	weak							strong
Rump length	113	short							long
Rump width	97	narrow							wide
Rump angle	105	ascending							sloped
Thurl position	99	in the back							in the centre
Hock angularity	106	straight							sickled
Hock develop.	96	swollen							dry
Pasterns	104	weak							strong
Foot angle	106	low angles							steep angles
Fore udder length	121	short							long
Rear udder width	102	narrow							wide
Rear udder height	109	low							high
Susp. ligament	106	weak							strong
Udder depth	94	deep							shallow
Fore udder att.	108	loose							tight
Udder balance	116	staged							inclined
Teat length	120	short							long
Teat thickness	104	thin							thick
Teat placem. (front)	108	wide							close
Teat placem. (rear)	106	wide							close
Teat direction (rear)	89	outwards							inwards
Udder cleanness	101	add. teats							clean udder

Vintage

HBNr. 10/344620
LOM DE 09 46833089
Born 26.07.2011

aAa **234165**

VINCENT — VINOZAK *TW / ESTA
OSARIA 8/7 9274 4.47 414 3.87 359 — **JUBLEND** / OLPE 4/4 9414 4.32 407 3.48 328 — **PRESIDENT (D)**

Milk **Rumps** **Feet & Legs**

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 120** 98%

MILK PERFORMANCE (D: 2085, H: 1026) **MI 121** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+776	+0,00	+32	+0,00	+28

BEEF PERFORMANCE **BI 101** 99%

Daily net gain	Carcass percentage	Carcass grade
97	100	113

FUNCTIONAL TRAITS **FIT 98** 97%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
99	101	102	101	103	103	91	107	117

Corinna, daughter of Vintage

LINEAR DESCRIPTION 369 DAUGHTERS

Trait	Index	Trend
Frame	**102**	
Rump	**114**	
Feet & Legs	**109**	
Udder	**107**	
Final Score	**108**	
Muscling	100	light – heavy
Height at cross	100	small – large
Chest width	91	shallow – deep
Body depth	99	shallow – deep
Backline	111	weak – strong
Rump length	110	short – long
Rump width	103	narrow – wide
Rump angle	110	ascending – sloped
Thurl position	118	in the back – in the centre
Hock angularity	98	straight – sickled
Hock develop.	90	swollen – dry
Pasterns	106	weak – strong
Foot angle	115	low angles – steep angles
Fore udder length	108	short – long
Rear udder width	95	narrow – wide
Rear udder height	100	low – high
Susp. ligament	108	weak – strong
Udder depth	102	deep – shallow
Fore udder att.	95	loose – tight
Udder balance	98	staged – inclined
Teat length	89	short – long
Teat thickness	102	thin – thick
Teat placem. (front)	99	wide – close
Teat placem. (rear)	102	wide – close
Teat direction (rear)	101	outwards – inwards
Udder cleanness	97	add. teats – clean udder

Vavigo

HBNr. 10/435217
LOM DE 08 15444260
Born 17.03.2013

VASSLI — VASIR / BOUNTY
NORIS 6/6 8684 5.08 441 3.89 338 — **VIGOR** / NORA 4/4 8682 4.98 432 3.94 342 — **HUWAY**

Udder composite **Longevity** **Udder health**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 120** 92%

MILK PERFORMANCE (D: 220, H: 129) **MI 114** 97%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+479	+0,09	+27	-0,03	+15

BEEF PERFORMANCE **BI 96** 90%

Daily net gain	Carcass percentage	Carcass grade
99	96	90

FUNCTIONAL TRAITS **FIT 111** 88%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
94	111	101	112	104	97	106	104	116

Taffy, daughter of Vavigo

LINEAR DESCRIPTION 138 DAUGHTERS

Trait	Index	Trend
Frame	**108**	
Rump	**83**	
Feet & Legs	**108**	
Udder	**121**	
Final Score	**114**	
Muscling	85	light – heavy
Height at cross	113	small – large
Chest width	102	shallow – deep
Body depth	101	shallow – deep
Backline	97	weak – strong
Rump length	101	short – long
Rump width	100	narrow – wide
Rump angle	79	ascending – sloped
Thurl position	85	in the back – in the centre
Hock angularity	93	straight – sickled
Hock develop.	107	swollen – dry
Pasterns	108	weak – strong
Foot angle	107	low angles – steep angles
Fore udder length	106	short – long
Rear udder width	110	narrow – wide
Rear udder height	117	low – high
Susp. ligament	109	weak – strong
Udder depth	115	deep – shallow
Fore udder att.	101	loose – tight
Udder balance	98	staged – inclined
Teat length	105	short – long
Teat thickness	93	thin – thick
Teat placem. (front)	107	wide – close
Teat placem. (rear)	105	wide – close
Teat direction (rear)	104	outwards – inwards
Udder cleanness	103	add. teats – clean udder

progeny tested

Julau

HBNr. 10/435172
LOM DE 09 44870461
Born 03.03.2010

JULENG — JUBLEND / HERIETT
MONA 8/8 10084 4.21 425 3.73 376 — **AURUM** / MONIC — **POLDI**
6/6 13223 3.72 492 3.61 478

Protein % | **Fertility** | **Milking speed**

A1A2
AA
progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 120** 98%

MILK PERFORMANCE (D: 1271, H: 685) **MI 111** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+284	-0,01	+11	+0,09	+17

BEEF PERFORMANCE **BI 104** 98%

Daily net gain	Carcass percentage	Carcass grade
108	93	97

FUNCTIONAL TRAITS **FIT 113** 97%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
112	108	102	108	103	105	111	110	120

Lola, daughter of Julau

LINEAR DESCRIPTION 460 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**104**		
Rump	**100**		
Feet & Legs	**106**		
Udder	**108**		
Final Score	**107**		
Muscling	100	light	heavy
Height at cross	101	small	large
Chest width	103	shallow	deep
Body depth	100	shallow	deep
Backline	104	weak	strong
Rump length	108	short	long
Rump width	94	narrow	wide
Rump angle	90	ascending	sloped
Thurl position	96	in the back	in the centre
Hock angularity	107	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	111	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	102	short	long
Rear udder width	102	narrow	wide
Rear udder height	111	low	high
Susp. ligament	106	weak	strong
Udder depth	107	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	114	staged	inclined
Teat length	114	short	long
Teat thickness	108	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Viamont

HBNr. 10/356690
LOM DE 09 49572686
Born 19.06.2014

aAa **423651**

VINTAGE — VINCENT / OSARIA
WOLGA 8/8 9218 3.99 368 3.41 314 — **HURAY** / WALLI — **HUCOS**
6/5 7965 3.52 280 3.55 283

Milk | **Udder composite** | **Top line**

A2A2
BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 120** 81%

MILK PERFORMANCE (D: 71, H: 65) **MI 116** 87%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+898	-0,16	+24	-0,12	+22

BEEF PERFORMANCE **BI 102** 71%

Daily net gain	Carcass percentage	Carcass grade
103	98	102

FUNCTIONAL TRAITS **FIT 108** 74%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
105	97	106	110	104	106	108	102	117

LINEAR DESCRIPTION 49 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**99**		
Rump	**110**		
Feet & Legs	**108**		
Udder	**109**		
Final Score	**107**		
Muscling	92	light	heavy
Height at cross	108	small	large
Chest width	87	shallow	deep
Body depth	88	shallow	deep
Backline	119	weak	strong
Rump length	101	short	long
Rump width	87	narrow	wide
Rump angle	107	ascending	sloped
Thurl position	113	in the back	in the centre
Hock angularity	82	straight	sickled
Hock develop.	84	swollen	dry
Pasterns	115	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	92	narrow	wide
Rear udder height	104	low	high
Susp. ligament	105	weak	strong
Udder depth	109	deep	shallow
Fore udder att.	94	loose	tight
Udder balance	97	staged	inclined
Teat length	90	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	103	add. teats	clean udder

Vermunt

HBNr. 10/345590
LOM DE 09 49608922
Born 11.01.2015

AG VERDI — VERSACE / IDRO
RENATA 4/4 10174 4.11 418 3.37 343 — **VASIR** / RESI — **HOGAY** 9/8 10096 4.11 415 3.63 366

Fertility | **Rumps** | **Udder composite**

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 120** 80%

MILK PERFORMANCE (D: 70, H: 64) **MI 112** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+508	-0,04	+18	-0,01	+17

BEEF PERFORMANCE **BI 97** 77%

Daily net gain	Carcass percentage	Carcass grade
98	98	95

FUNCTIONAL TRAITS **FIT 116** 75%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
106	110	101	109	86	111	121	102	114

LINEAR DESCRIPTION 38 DAUGHTERS

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**97**								
Rump	**114**								
Feet & Legs	**104**								
Udder	**118**								
Final Score	**111**								
Muscling	101	light							heavy
Height at cross	96	small							large
Chest width	102	shallow							deep
Body depth	96	shallow							deep
Backline	100	weak							strong
Rump length	95	short							long
Rump width	109	narrow							wide
Rump angle	94	ascending							sloped
Thurl position	107	in the back							in the centre
Hock angularity	94	straight							sickled
Hock develop.	84	swollen							dry
Pasterns	105	weak							strong
Foot angle	93	low angles							steep angles
Fore udder length	109	short							long
Rear udder width	99	narrow							wide
Rear udder height	106	low							high
Susp. ligament	104	weak							strong
Udder depth	110	deep							shallow
Fore udder att.	115	loose							tight
Udder balance	112	staged							inclined
Teat length	110	short							long
Teat thickness	97	thin							thick
Teat placem. (front)	98	wide							close
Teat placem. (rear)	104	wide							close
Teat direction (rear)	113	outwards							inwards
Udder cleanness	95	add. teats							clean udder

Janosch

HBNr. 10/344420
LOM DE 09 43841546
Born 30.06.2010

JULENG — JUBLEND / HERIETT
FAITH 5/4 13194 3.50 462 3.53 466 — **PRONTO** / FIESTA — **STARBUCK** 7/7 14873 3.87 576 3.75 558

Milk | **Frame** | **Rumps**

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 119** 95%

MILK PERFORMANCE (D: 328, H: 244) **MI 115** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+958	-0,27	+17	-0,11	+25

BEEF PERFORMANCE **BI 98** 93%

Daily net gain	Carcass percentage	Carcass grade
97	101	101

FUNCTIONAL TRAITS **FIT 105** 91%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
111	104	123	103	97	107	98	108	124

556, daughter of Janosch

LINEAR DESCRIPTION 89 DAUGHTERS

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**119**								
Rump	**116**								
Feet & Legs	**111**								
Udder	**96**								
Final Score	**108**								
Muscling	101	light							heavy
Height at cross	114	small							large
Chest width	107	shallow							deep
Body depth	110	shallow							deep
Backline	106	weak							strong
Rump length	118	short							long
Rump width	122	narrow							wide
Rump angle	115	ascending							sloped
Thurl position	102	in the back							in the centre
Hock angularity	98	straight							sickled
Hock develop.	100	swollen							dry
Pasterns	113	weak							strong
Foot angle	112	low angles							steep angles
Fore udder length	105	short							long
Rear udder width	98	narrow							wide
Rear udder height	99	low							high
Susp. ligament	89	weak							strong
Udder depth	98	deep							shallow
Fore udder att.	98	loose							tight
Udder balance	107	staged							inclined
Teat length	119	short							long
Teat thickness	110	thin							thick
Teat placem. (front)	92	wide							close
Teat placem. (rear)	99	wide							close
Teat direction (rear)	95	outwards							inwards
Udder cleanness	75	add. teats							clean udder

progeny tested

Figo

HBNr. 10/435248
LOM DE 08 15778559
Born 06.11.2014

aAa **423651**

FEUERSTEIN — FERNANDO / FATAL
FAITH 6/5 13713 3.84 526 3.73 511 — **VIGOR** / FAITH — **PRONTO**
5/4 13194 3.50 462 3.53 466

Milking speed | **Feet & legs** | **Udder composite**

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 119** 85%

MILK PERFORMANCE (D: 97, H: 68) **MI 112** 90%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+643	-0,16	+14	-0,05	+19

BEEF PERFORMANCE **BI 102** 89%

Daily net gain	Carcass percentage	Carcass grade
106	92	97

FUNCTIONAL TRAITS **FIT 111** 79%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
121	100	100	113	103	105	109	105	119

Faith - dam of Figo

LINEAR DESCRIPTION 65 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**103**		
Rump	**106**		
Feet & Legs	**111**		
Udder	**110**		
Final Score	**108**		
Muscling	92	light	heavy
Height at cross	111	small	large
Chest width	98	shallow	deep
Body depth	105	shallow	deep
Backline	85	weak	strong
Rump length	107	short	long
Rump width	100	narrow	wide
Rump angle	107	ascending	sloped
Thurl position	94	in the back	in the centre
Hock angularity	85	straight	sickled
Hock develop.	94	swollen	dry
Pasterns	110	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	104	short	long
Rear udder width	106	narrow	wide
Rear udder height	122	low	high
Susp. ligament	100	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	101	loose	tight
Udder balance	104	staged	inclined
Teat length	101	short	long
Teat thickness	108	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Casino

HBNr. 10/345485
LOM DE 09 49616194
Born 14.01.2015

aAa **234165**

CADENCE — BROOKINGS / BUFFY
RATE 8/7 10447 3.81 398 3.47 362 — **HURAY** / RAKETE — **JUBLEND**
4/4 8070 3.89 314 3.58 289

Milk | **Butterfat** | **Milking speed**

A1A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 119** 74%

MILK PERFORMANCE (D: 26, H: 24) **MI 122** 75%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+710	+0,10	+39	-0,01	+25

BEEF PERFORMANCE **BI 96** 68%

Daily net gain	Carcass percentage	Carcass grade
104	86	88

FUNCTIONAL TRAITS **FIT 99** 71%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
113	109	95	101	108	101	90	102	113

LINEAR DESCRIPTION 20 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**111**		
Rump	**108**		
Feet & Legs	**111**		
Udder	**107**		
Final Score	**111**		
Muscling	98	light	heavy
Height at cross	111	small	large
Chest width	108	shallow	deep
Body depth	110	shallow	deep
Backline	91	weak	strong
Rump length	111	short	long
Rump width	91	narrow	wide
Rump angle	102	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	89	straight	sickled
Hock develop.	110	swollen	dry
Pasterns	104	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	89	short	long
Rear udder width	104	narrow	wide
Rear udder height	109	low	high
Susp. ligament	113	weak	strong
Udder depth	104	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	86	staged	inclined
Teat length	109	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	91	wide	close
Teat placem. (rear)	94	wide	close
Teat direction (rear)	87	outwards	inwards
Udder cleanness	107	add. teats	clean udder

Purpro

HBNr. 10/435210
LOM DE 08 15140717
Born 11.09.2012

aAa **246315**

PAYBOY — PAYOFF / HIRMI

LACONADA 4/4 10568 3.93 416 3.68 389 — **HURAY** LACONTO 5/5 8439 4.52 382 3.94 332 — **PRONTO**

Feet & legs | **Udder composite** | **Fertility**

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 118** 93%

MILK PERFORMANCE (D: 283, H: 156) **MI 110** 98%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+321	+0,05	+17	+0,02	+13

BEEF PERFORMANCE **BI 100** 87%

Daily net gain	Carcass percentage	Carcass grade
97	108	103

FUNCTIONAL TRAITS **FIT 113** 89%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
94	110	101	108	101	104	115	102	117

Gigante, daughter of Purpro

LINEAR DESCRIPTION 158 DAUGHTERS

Trait	Index	Trend	76 88 100 112 124 136	Trend
Frame	**103**			
Rump	**108**			
Feet & Legs	**113**			
Udder	**115**			
Final Score	**112**			
Muscling	79	light		heavy
Height at cross	119	small		large
Chest width	82	shallow		deep
Body depth	100	shallow		deep
Backline	98	weak		strong
Rump length	105	short		long
Rump width	102	narrow		wide
Rump angle	100	ascending		sloped
Thurl position	97	in the back		in the centre
Hock angularity	94	straight		sickled
Hock develop.	115	swollen		dry
Pasterns	92	weak		strong
Foot angle	106	low angles		steep angles
Fore udder length	115	short		long
Rear udder width	109	narrow		wide
Rear udder height	103	low		high
Susp. ligament	103	weak		strong
Udder depth	103	deep		shallow
Fore udder att.	99	loose		tight
Udder balance	87	staged		inclined
Teat length	102	short		long
Teat thickness	97	thin		thick
Teat placem. (front)	110	wide		close
Teat placem. (rear)	108	wide		close
Teat direction (rear)	111	outwards		inwards
Udder cleanness	105	add. teats		clean udder

Jucator

HBNr. 10/345165
LOM DE 09 48940328
Born 21.12.2013

aAa **432651**

AG JUKEBOX — JUHUS / KALINA

LICKA 7/7 10792 4.18 451 3.63 392 — **HURAY** LIA 8/8 10297 4.02 414 3.55 366 — **ENSIGN ET**

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

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 118** 91%

MILK PERFORMANCE (D: 242, H: 189) **MI 113** 96%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+197	+0,19	+23	+0,11	+16

BEEF PERFORMANCE **BI 111** 90%

Daily net gain	Carcass percentage	Carcass grade
110	111	105

FUNCTIONAL TRAITS **FIT 108** 85%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
118	121	95	112	110	97	99	87	118

Uganda, daughter of Jucator

LINEAR DESCRIPTION 143 DAUGHTERS

Trait	Index	Trend	76 88 100 112 124 136	Trend
Frame	**83**			
Rump	**77**			
Feet & Legs	**111**			
Udder	**131**			
Final Score	**110**			
Muscling	95	light		heavy
Height at cross	84	small		large
Chest width	85	shallow		deep
Body depth	89	shallow		deep
Backline	84	weak		strong
Rump length	84	short		long
Rump width	75	narrow		wide
Rump angle	77	ascending		sloped
Thurl position	92	in the back		in the centre
Hock angularity	88	straight		sickled
Hock develop.	113	swollen		dry
Pasterns	97	weak		strong
Foot angle	105	low angles		steep angles
Fore udder length	108	short		long
Rear udder width	101	narrow		wide
Rear udder height	114	low		high
Susp. ligament	88	weak		strong
Udder depth	122	deep		shallow
Fore udder att.	116	loose		tight
Udder balance	122	staged		inclined
Teat length	86	short		long
Teat thickness	81	thin		thick
Teat placem. (front)	109	wide		close
Teat placem. (rear)	108	wide		close
Teat direction (rear)	117	outwards		inwards
Udder cleanness	107	add. teats		clean udder

progeny tested

Veritas

HBNr. 10/345570
LOM DE 09 50369353
Born 02.01.2015

AG VERDI — VERSACE / IDRO
DELIA 5/5 10161 3.79 385 3.50 355 — **VASIR** / DOBA 4/4 8054 4.51 363 3.64 293 — **PAYBOY**

Fat % **Rumps** **Calving ease mat.**

A2A2
AB
progeny tested

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 118** 76%

MILK PERFORMANCE (D: 37, H: 35) **MI 120** 78%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+579	+0,12	+34	+0,04	+24

BEEF PERFORMANCE **BI 105** 73%

Daily net gain	Carcass percentage	Carcass grade
105	97	107

FUNCTIONAL TRAITS **FIT 100** 73%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
102	99	101	98	97	112	104	95	109

LINEAR DESCRIPTION 22 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**109**		
Rump	**118**		
Feet & Legs	**110**		
Udder	**108**		
Final Score	**111**		
Muscling	102	light	heavy
Height at cross	108	small	large
Chest width	103	shallow	deep
Body depth	105	shallow	deep
Backline	94	weak	strong
Rump length	98	short	long
Rump width	116	narrow	wide
Rump angle	104	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	87	straight	sickled
Hock develop.	91	swollen	dry
Pasterns	119	weak	strong
Foot angle	97	low angles	steep angles
Fore udder length	122	short	long
Rear udder width	117	narrow	wide
Rear udder height	100	low	high
Susp. ligament	95	weak	strong
Udder depth	96	deep	shallow
Fore udder att.	100	loose	tight
Udder balance	95	staged	inclined
Teat length	95	short	long
Teat thickness	114	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	101	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Castle

HBNr. 10/345560
LOM DE 09 49048359
Born 29.12.2014

aAa **324156**

CADENCE — BROOKINGS / BUFFY
BIRZLE 5/4 9766 4.14 405 3.58 350 — **PROSSLI** / BIRTE 4/4 10056 4.70 473 3.93 395 — **VASIR**

Components **Udder composite** **Udder health**

BB
progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 118** 78%

MILK PERFORMANCE (D: 48, H: 42) **MI 120** 81%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+474	+0,18	+35	+0,07	+23

BEEF PERFORMANCE **BI 90** 76%

Daily net gain	Carcass percentage	Carcass grade
96	88	87

FUNCTIONAL TRAITS **FIT 101** 74%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
95	106	99	100	103	109	101	94	110

Bini, daughter of Castle

LINEAR DESCRIPTION 28 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**99**		
Rump	**93**		
Feet & Legs	**105**		
Udder	**115**		
Final Score	**109**		
Muscling	99	light	heavy
Height at cross	101	small	large
Chest width	97	shallow	deep
Body depth	104	shallow	deep
Backline	78	weak	strong
Rump length	100	short	long
Rump width	95	narrow	wide
Rump angle	86	ascending	sloped
Thurl position	98	in the back	in the centre
Hock angularity	104	straight	sickled
Hock develop.	111	swollen	dry
Pasterns	100	weak	strong
Foot angle	94	low angles	steep angles
Fore udder length	107	short	long
Rear udder width	110	narrow	wide
Rear udder height	111	low	high
Susp. ligament	115	weak	strong
Udder depth	101	deep	shallow
Fore udder att.	99	loose	tight
Udder balance	97	staged	inclined
Teat length	93	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	116	wide	close
Teat placem. (rear)	114	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	110	add. teats	clean udder

Essenz

HBNr. 10/608599
LOM AT 642.260.128
Born 24.12.2014

EASTROG
- EASTON
- OTMAR

FILA
6/5 10240 4.52 463 3.32 340
- **ZENATO**
  - FIFI
  - 3/3 8055 4.63 373 3.40 274
- **JUBLEND**

Udder composite | **Udder health** | **Vitality**

AB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020)	TMI 118 75%

MILK PERFORMANCE (D: 33, H: 31)	MI 113 77%			
milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+585	-0,01	+23	-0,07	+15

BEEF PERFORMANCE	BI 116 69%	
Daily net gain	Carcass percentage	Carcass grade
113	113	111

FUNCTIONAL TRAITS								FIT 108 72%
				Calving ease				
MS	UH	Pers	PL	pat	mat	Fert	VIT	ETMI
101	109	103	109	106	101	97	112	121

LINEAR DESCRIPTION 20 DAUGHTERS

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**99**								
Rump	**100**								
Feet & Legs	**105**								
Udder	**115**								
Final Score	**107**								
Muscling	89	light							heavy
Height at cross	105	small							large
Chest width	93	shallow							deep
Body depth	97	shallow							deep
Backline	90	weak							strong
Rump length	95	short							long
Rump width	101	narrow							wide
Rump angle	98	ascending							sloped
Thurl position	99	in the back							in the centre
Hock angularity	111	straight							sickled
Hock develop.	113	swollen							dry
Pasterns	98	weak							strong
Foot angle	105	low angles							steep angles
Fore udder length	102	short							long
Rear udder width	97	narrow							wide
Rear udder height	100	low							high
Susp. ligament	113	weak							strong
Udder depth	114	deep							shallow
Fore udder att.	108	loose							tight
Udder balance	121	staged							inclined
Teat length	87	short							long
Teat thickness	107	thin							thick
Teat placem. (front)	108	wide							close
Teat placem. (rear)	119	wide							close
Teat direction (rear)	118	outwards							inwards
Udder cleanness	111	add. teats							clean udder

Harrison

HBNr. 10/344860
LOM DE 09 47303993
Born 27.11.2012

aAa **426351**

HARLEY
- HURAY
- BAERBL

RINHA
8/8 10977 4.18 459 3.64 399
- **WURLINHO**
  - RIKONE
  - 10/10 10185 4.37 445 3.60 367
- **HUCOS**

Udder composite | **Fitness** | **Udder health**

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020)	TMI 116 96%

MILK PERFORMANCE (D: 713, H: 481)	MI 107 99%			
milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+422	-0,21	+1	+0,01	+16

BEEF PERFORMANCE	BI 106 97%	
Daily net gain	Carcass percentage	Carcass grade
113	82	103

FUNCTIONAL TRAITS								FIT 113 93%
				Calving ease				
MS	UH	Pers	PL	pat	mat	Fert	VIT	ETMI
100	117	98	113	90	99	107	98	115

Erison, daughter of Harrison

LINEAR DESCRIPTION 251 DAUGHTERS

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**107**								
Rump	**107**								
Feet & Legs	**105**								
Udder	**121**								
Final Score	**115**								
Muscling	98	light							heavy
Height at cross	111	small							large
Chest width	107	shallow							deep
Body depth	97	shallow							deep
Backline	95	weak							strong
Rump length	105	short							long
Rump width	103	narrow							wide
Rump angle	92	ascending							sloped
Thurl position	106	in the back							in the centre
Hock angularity	82	straight							sickled
Hock develop.	85	swollen							dry
Pasterns	106	weak							strong
Foot angle	115	low angles							steep angles
Fore udder length	96	short							long
Rear udder width	101	narrow							wide
Rear udder height	107	low							high
Susp. ligament	95	weak							strong
Udder depth	126	deep							shallow
Fore udder att.	114	loose							tight
Udder balance	114	staged							inclined
Teat length	103	short							long
Teat thickness	93	thin							thick
Teat placem. (front)	98	wide							close
Teat placem. (rear)	96	wide							close
Teat direction (rear)	103	outwards							inwards
Udder cleanness	97	add. teats							clean udder

progeny tested

Hamster

HBNr. 10/345210
LOM DE 09 49575961
Born 13.03.2014

HANSL — HURAY / DOMINO
1085 — VASIR / ENNE
6/6 10185 4.66 475 3.70 377
10/9 8567 4.62 396 4.02 345
DENPRO

Type	Fitness	Butterfat
A1A1		AA

progeny tested

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 116** 89%

MILK PERFORMANCE (D: 191, H: 170) **MI 110** 95%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+227	+0,26	+30	-0,06	+3

BEEF PERFORMANCE **BI 111** 76%

Daily net gain	Carcass percentage	Carcass grade
111	98	112

FUNCTIONAL TRAITS **FIT 111** 83%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
112	106	108	110	104	95	109	107	122

1085, dam of Hamster, 2nd lac.

LINEAR DESCRIPTION 117 DAUGHTERS

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**107**								
Rump	**116**								
Feet & Legs	**116**								
Udder	**116**								
Final Score	**117**								
Muscling	91	light							heavy
Height at cross	109	small							large
Chest width	93	shallow							deep
Body depth	102	shallow							deep
Backline	105	weak							strong
Rump length	101	short							long
Rump width	100	narrow							wide
Rump angle	117	ascending							sloped
Thurl position	119	in the back							in the centre
Hock angularity	90	straight							sickled
Hock develop.	111	swollen							dry
Pasterns	116	weak							strong
Foot angle	102	low angles							steep angles
Fore udder length	115	short							long
Rear udder width	109	narrow							wide
Rear udder height	110	low							high
Susp. ligament	102	weak							strong
Udder depth	107	deep							shallow
Fore udder att.	113	loose							tight
Udder balance	89	staged							inclined
Teat length	92	short							long
Teat thickness	81	thin							thick
Teat placem. (front)	103	wide							close
Teat placem. (rear)	115	wide							close
Teat direction (rear)	111	outwards							inwards
Udder cleanness	103	add. teats							clean udder

Harvard

HBNr. 10/345430
LOM DE 09 49437799
Born 25.09.2014

HARLEY — HURAY / BAERBL
SATIN — VASIR / SABI
6/6 8318 4.04 336 3.53 294
5/5 8432 4.25 358 3.67 310
PRONTO

Type	Protein %	Fertility
A2A2		BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 116** 82%

MILK PERFORMANCE (D: 89, H: 83) **MI 112** 88%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+258	+0,03	+13	+0,12	+19

BEEF PERFORMANCE **BI 102** 68%

Daily net gain	Carcass percentage	Carcass grade
104	93	104

FUNCTIONAL TRAITS **FIT 109** 75%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
105	105	101	104	104	93	113	112	114

Satin, dam of Harvard, 2nd lac.

LINEAR DESCRIPTION 55 DAUGHTERS

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**114**								
Rump	**102**								
Feet & Legs	**115**								
Udder	**117**								
Final Score	**119**								
Muscling	98	light							heavy
Height at cross	109	small							large
Chest width	102	shallow							deep
Body depth	107	shallow							deep
Backline	113	weak							strong
Rump length	110	short							long
Rump width	95	narrow							wide
Rump angle	96	ascending							sloped
Thurl position	105	in the back							in the centre
Hock angularity	82	straight							sickled
Hock develop.	102	swollen							dry
Pasterns	116	weak							strong
Foot angle	114	low angles							steep angles
Fore udder length	112	short							long
Rear udder width	105	narrow							wide
Rear udder height	102	low							high
Susp. ligament	101	weak							strong
Udder depth	110	deep							shallow
Fore udder att.	98	loose							tight
Udder balance	105	staged							inclined
Teat length	86	short							long
Teat thickness	97	thin							thick
Teat placem. (front)	104	wide							close
Teat placem. (rear)	116	wide							close
Teat direction (rear)	107	outwards							inwards
Udder cleanness	105	add. teats							clean udder

Hacker

HBNr. 10/343980
LOM DE 09 42089722
Born 17.10.2008

aAa **654123**

HURAY
- HUSSLI
- LAURA

KONNI
5/5 9417 3.58 337 3.49 329
- **HUCOS**
  - KONNI
  2/2 8489 4.16 354 3.62 307
- **SIMERL**

Feet & Legs | **For heifers** | **Fitness**

A2A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 114** 99%

MILK PERFORMANCE (D: 3801, H: 1706) **MI 102** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+347	-0,18	+1	-0,10	+4

BEEF PERFORMANCE **BI 106** 99%

Daily net gain	Carcass percentage	Carcass grade
103	96	117

FUNCTIONAL TRAITS **FIT 117** 98%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
105	109	107	119	111	109	110	104	116

Helena, daughter of Hacker

LINEAR DESCRIPTION 1232 DAUGHTERS

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**95**								
Rump	**103**								
Feet & Legs	**117**								
Udder	**113**								
Final Score	**110**								
Muscling	105	light							heavy
Height at cross	97	small							large
Chest width	92	shallow							deep
Body depth	91	shallow							deep
Backline	103	weak							strong
Rump length	101	short							long
Rump width	82	narrow							wide
Rump angle	105	ascending							sloped
Thurl position	104	in the back							in the centre
Hock angularity	95	straight							sickled
Hock develop.	126	swollen							dry
Pasterns	101	weak							strong
Foot angle	98	low angles							steep angles
Fore udder length	100	short							long
Rear udder width	89	narrow							wide
Rear udder height	101	low							high
Susp. ligament	101	weak							strong
Udder depth	111	deep							shallow
Fore udder att.	114	loose							tight
Udder balance	103	staged							inclined
Teat length	96	short							long
Teat thickness	88	thin							thick
Teat placem. (front)	111	wide							close
Teat placem. (rear)	113	wide							close
Teat direction (rear)	110	outwards							inwards
Udder cleanness	105	add. teats							clean udder

Hidalgo

HBNr. 10/356590
LOM DE 09 46722668
Born 06.10.2011

aAa **234165**

HUSSANT
- HUSSLI
- PENDANT

ULLA
7/7 9377 4.43 416 3.56 334
- **EMEROG**
  - USRA
  8/7 10287 3.74 385 3.34 344
- **PRONTO**

Milk | **Type traits** | **Fertility**

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 114** 96%

MILK PERFORMANCE (D: 595, H: 377) **MI 109** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+618	-0,22	+7	-0,07	+17

BEEF PERFORMANCE **BI 107** 98%

Daily net gain	Carcass percentage	Carcass grade
108	106	99

FUNCTIONAL TRAITS **FIT 107** 94%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
105	98	103	100	82	118	116	92	113

Sunny, daughter of Hidalgo

LINEAR DESCRIPTION 113 DAUGHTERS

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**116**								
Rump	**127**								
Feet & Legs	**105**								
Udder	**113**								
Final Score	**117**								
Muscling	92	light							heavy
Height at cross	117	small							large
Chest width	110	shallow							deep
Body depth	111	shallow							deep
Backline	105	weak							strong
Rump length	126	short							long
Rump width	119	narrow							wide
Rump angle	105	ascending							sloped
Thurl position	119	in the back							in the centre
Hock angularity	102	straight							sickled
Hock develop.	99	swollen							dry
Pasterns	98	weak							strong
Foot angle	111	low angles							steep angles
Fore udder length	100	short							long
Rear udder width	95	narrow							wide
Rear udder height	110	low							high
Susp. ligament	100	weak							strong
Udder depth	114	deep							shallow
Fore udder att.	106	loose							tight
Udder balance	110	staged							inclined
Teat length	100	short							long
Teat thickness	99	thin							thick
Teat placem. (front)	101	wide							close
Teat placem. (rear)	102	wide							close
Teat direction (rear)	97	outwards							inwards
Udder cleanness	99	add. teats							clean udder

progeny tested

Viala

HBNr. 10/345295
LOM DE 09 49430073
Born 20.06.2014

VINTAGE — VINCENT / OSARIA
OLMA 6/5 8381 4.44 372 3.75 315 — **HUCK** / OLMA — **ETVEI**

Milk	Type	Longevity

A2A2
AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 114** 79%

MILK PERFORMANCE (D: 40, H: 33) **MI 114** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+751	-0,16	+18	-0,07	+21

BEEF PERFORMANCE **BI 102** 67%

Daily net gain	Carcass percentage	Carcass grade
99	106	106

FUNCTIONAL TRAITS **FIT 103** 73%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
107	102	108	112	107	93	97	88	117

Olma, dam of Viala

LINEAR DESCRIPTION 35 DAUGHTERS

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**104**								
Rump	**111**								
Feet & Legs	**119**								
Udder	**119**								
Final Score	**116**								
Muscling	110	light							heavy
Height at cross	109	small							large
Chest width	94	shallow							deep
Body depth	98	shallow							deep
Backline	105	weak							strong
Rump length	117	short							long
Rump width	82	narrow							wide
Rump angle	113	ascending							sloped
Thurl position	122	in the back							in the centre
Hock angularity	99	straight							sickled
Hock develop.	103	swollen							dry
Pasterns	108	weak							strong
Foot angle	116	low angles							steep angles
Fore udder length	117	short							long
Rear udder width	96	narrow							wide
Rear udder height	94	low							high
Susp. ligament	113	weak							strong
Udder depth	111	deep							shallow
Fore udder att.	111	loose							tight
Udder balance	94	staged							inclined
Teat length	97	short							long
Teat thickness	95	thin							thick
Teat placem. (front)	117	wide							close
Teat placem. (rear)	116	wide							close
Teat direction (rear)	107	outwards							inwards
Udder cleanness	100	add. teats							clean udder

Vivida

HBNr. 10/345550
LOM DE 09 48952635
Born 26.12.2014

VIVID — VIGOR / MOIADO BISTA
JAVA 5/4 8018 4.43 355 3.71 298 — **VASIR** / JASMIN 7/7 8052 4.47 360 4.09 329 — **EMEROG**

Milk	Rumps	Butterfat

AB
progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 114** 80%

MILK PERFORMANCE (D: 56, H: 52) **MI 122** 84%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+779	+0,05	+37	-0,01	+27

BEEF PERFORMANCE **BI 98** 74%

Daily net gain	Carcass percentage	Carcass grade
99	92	103

FUNCTIONAL TRAITS **FIT 91** 74%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
107	83	99	94	102	96	100	99	106

LINEAR DESCRIPTION 26 DAUGHTERS

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**109**								
Rump	**124**								
Feet & Legs	**107**								
Udder	**110**								
Final Score	**113**								
Muscling	85	light							heavy
Height at cross	111	small							large
Chest width	100	shallow							deep
Body depth	108	shallow							deep
Backline	101	weak							strong
Rump length	117	short							long
Rump width	108	narrow							wide
Rump angle	115	ascending							sloped
Thurl position	119	in the back							in the centre
Hock angularity	105	straight							sickled
Hock develop.	102	swollen							dry
Pasterns	101	weak							strong
Foot angle	103	low angles							steep angles
Fore udder length	121	short							long
Rear udder width	115	narrow							wide
Rear udder height	106	low							high
Susp. ligament	124	weak							strong
Udder depth	87	deep							shallow
Fore udder att.	98	loose							tight
Udder balance	86	staged							inclined
Teat length	86	short							long
Teat thickness	95	thin							thick
Teat placem. (front)	119	wide							close
Teat placem. (rear)	122	wide							close
Teat direction (rear)	113	outwards							inwards
Udder cleanness	99	add. teats							clean udder

Feuerstein

HBNr. 10/344680
LOM DE 09 46833864
Born 18.12.2011

aAa **234165**

FERNANDO — JACKPOT / FIONA
FATAL 6/6 12950 3.92 507 3.79 491 — **HURAY** / FABIOLA 4/4 14291 3.57 511 3.67 525 — **GOLDFINGER *TM**

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

A2A2

BB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 113** 98%

MILK PERFORMANCE (D: 1663, H: 920) **MI 106** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+268	-0,09	+4	+0,01	+10

BEEF PERFORMANCE **BI 93** 99%

Daily net gain	Carcass percentage	Carcass grade
102	81	86

FUNCTIONAL TRAITS **FIT 111** 97%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
107	99	102	111	106	106	111	112	114

Hilda, daughter of Feuerstein

LINEAR DESCRIPTION 248 DAUGHTERS

Trait	Index	Trend		
Frame	**102**			
Rump	**107**			
Feet & Legs	**108**			
Udder	**105**			
Final Score	**106**			
Muscling	77	light		heavy
Height at cross	115	small		large
Chest width	93	shallow		deep
Body depth	106	shallow		deep
Backline	83	weak		strong
Rump length	108	short		long
Rump width	109	narrow		wide
Rump angle	104	ascending		sloped
Thurl position	102	in the back		in the centre
Hock angularity	101	straight		sickled
Hock develop.	112	swollen		dry
Pasterns	102	weak		strong
Foot angle	100	low angles		steep angles
Fore udder length	107	short		long
Rear udder width	103	narrow		wide
Rear udder height	114	low		high
Susp. ligament	102	weak		strong
Udder depth	107	deep		shallow
Fore udder att.	95	loose		tight
Udder balance	98	staged		inclined
Teat length	92	short		long
Teat thickness	90	thin		thick
Teat placem. (front)	99	wide		close
Teat placem. (rear)	108	wide		close
Teat direction (rear)	97	outwards		inwards
Udder cleanness	105	add. teats		clean udder

Glarus

HBNr. 10/344750
LOM DE 09 48074462
Born 12.10.2012

aAa **243615** GF.: B2C

GLENN — GORDON / SVENJA
DINAR 7/7 9852 4.11 405 3.68 362 — **ZEUS** / DIVA 8/8 10560 4.51 476 3.83 405 — **VINOZAK**

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

A2A2

AB

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 113** 95%

MILK PERFORMANCE (D: 401, H: 265) **MI 117** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+856	-0,15	+23	-0,06	+26

BEEF PERFORMANCE **BI 91** 93%

Daily net gain	Carcass percentage	Carcass grade
96	93	83

FUNCTIONAL TRAITS **FIT 96** 92%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
99	105	77	90	116	93	103	106	105

Fanta, daughter of Glarus

LINEAR DESCRIPTION 309 DAUGHTERS

Trait	Index	Trend		
Frame	**113**			
Rump	**98**			
Feet & Legs	**111**			
Udder	**111**			
Final Score	**112**			
Muscling	90	light		heavy
Height at cross	116	small		large
Chest width	102	shallow		deep
Body depth	103	shallow		deep
Backline	110	weak		strong
Rump length	116	short		long
Rump width	84	narrow		wide
Rump angle	89	ascending		sloped
Thurl position	97	in the back		in the centre
Hock angularity	94	straight		sickled
Hock develop.	102	swollen		dry
Pasterns	103	weak		strong
Foot angle	112	low angles		steep angles
Fore udder length	98	short		long
Rear udder width	111	narrow		wide
Rear udder height	102	low		high
Susp. ligament	119	weak		strong
Udder depth	107	deep		shallow
Fore udder att.	110	loose		tight
Udder balance	90	staged		inclined
Teat length	98	short		long
Teat thickness	108	thin		thick
Teat placem. (front)	107	wide		close
Teat placem. (rear)	131	wide		close
Teat direction (rear)	122	outwards		inwards
Udder cleanness	97	add. teats		clean udder

progeny tested

Payssli

HBNr. 10/435070
LOM DE 08 13034326
Born 28.08.2005

aAa **243165** GF.: B2C

PAYOFF *TM — PRELUDE *TA / COLL POLLY
BOUNTY 6/5 10571 4.53 479 3.76 397 — **HUSSLI** BOUNCE 11691 5,04 3,61 1011
HUSSLI — **EVEN *TM**

Udder composite	Rumps	Frame
A1A2	BB	progeny tested

Nastja, daughter of Payssli

progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 110** 99%

MILK PERFORMANCE (D: 11658, H: 3870) **MI 105** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+280	-0,06	+7	-0,04	+7

BEEF PERFORMANCE **BI 99** 99%

Daily net gain	Carcass percentage	Carcass grade
105	97	84

FUNCTIONAL TRAITS **FIT 107** 99%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
101	108	99	105	96	110	108	89	111

Quali, daughter of Payssli

LINEAR DESCRIPTION 6884 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**114**		
Rump	**111**		
Feet & Legs	**102**		
Udder	**120**		
Final Score	**117**		
Muscling	98	light	heavy
Height at cross	116	small	large
Chest width	105	shallow	deep
Body depth	107	shallow	deep
Backline	98	weak	strong
Rump length	116	short	long
Rump width	102	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	106	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	94	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	116	narrow	wide
Rear udder height	114	low	high
Susp. ligament	107	weak	strong
Udder depth	110	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	99	staged	inclined
Teat length	99	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Assay

HBNr. 10/435234
LOM DE 08 15702962
Born 23.01.2014

aAa **243615**

ANIBAL — VIGOR / ALLISON
QUALI 3/2 9609 3.80 366 3.62 348 — **PAYSSLI** QUALI 2/2 7236 4.04 292 3.65 264
PAYSSLI — **HURAY**

Type	Udder health	Persistency
A2A2	AB	progeny tested

TOTAL MERIT INDEX (Proof: April 2020) **TMI 109** 96%

MILK PERFORMANCE (D: 872, H: 543) **MI 111** 99%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+492	-0,02	+19	-0,04	+15

BEEF PERFORMANCE **BI 100** 98%

Daily net gain	Carcass percentage	Carcass grade
106	91	89

FUNCTIONAL TRAITS **FIT 96** 93%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
101	106	116	103	97	100	81	101	107

Emma, daughter of Assay

LINEAR DESCRIPTION 751 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**113**		
Rump	**112**		
Feet & Legs	**109**		
Udder	**118**		
Final Score	**118**		
Muscling	93	light	heavy
Height at cross	114	small	large
Chest width	101	shallow	deep
Body depth	110	shallow	deep
Backline	103	weak	strong
Rump length	116	short	long
Rump width	94	narrow	wide
Rump angle	102	ascending	sloped
Thurl position	106	in the back	in the centre
Hock angularity	103	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	110	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	119	short	long
Rear udder width	121	narrow	wide
Rear udder height	109	low	high
Susp. ligament	106	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	107	loose	tight
Udder balance	99	staged	inclined
Teat length	86	short	long
Teat thickness	78	thin	thick
Teat placem. (front)	118	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Crossbreeding

p.	Name	KK	BK	aAa	TMI	ECO	Index milk	Milk [kg]	fat-%	prot.-%	F+P [kg]	Index beef	FIT	Cp	F	R	F&L	UC	EXT	Holstein F1	Holstein F2/F3	RB	J
8	**Husold**	AB			**137**	132	119	+920	-0.15	-0.06	54	110	124	106	101	101	107	108	106		x	x	
8	**Veteran**	BB	A2A2	432615	**128**	123	115	+52	+0.23	+0.25	41	114	120	95	96	103	107	111	106	x			
9	**Amor**	BB	A2A2	342156	**127**	118	120	+1076	-0.18	-0.11	59	81	113	87	99	94	111	115	108		x	x	
9	**Vanpari**	AB	A2A2	462153	**126**	117	119	+468	+0.18	+0.06	56	100	110	92	102	94	113	110	108	x	x	x	
10	**Auranto**	BB	A2A2	342561	**125**	120	115	+676	-0.07	-0.03	45	101	114	106	108	102	101	105	107	x	x	x	x
10	**Verdi**	BB	A2A2	546312	**125**	115	116	+159	+0.22	+0.19	45	94	114	94	96	102	102	103	101	x			
11	**Hercules**	BB	A2A2	243615	**124**	113	126	+1266	-0.20	-0.08	73	101	97	105	100	100	110	100	102		x		
12	**Hudson**	AA	A1A1	615243	**123**	119	116	+753	-0.14	-0.03	44	104	113	103	110	104	103	104	107		x		
11	**Hebron**	BB	A2A2	654123	**123**	113	120	+309	+0.37	+0.12	63	83	106	100	83	81	112	115	101				
12	**Highleng**	BB		432561	**122**	122	115	+785	-0.12	-0.07	45	96	111	105	103	101	108	116	112	x			x
13	**Brilliant**	AB	A1A2	615243	**121**	125	112	+201	+0.13	+0.10	34	104	115	105	111	114	118	114	116	x			
14	**Cadura**	BB	A2A2		**121**	118	115	+815	-0.22	-0.05	41	104	112	107	114	105	106	117	115	x	x	x	x
13	**Anibay**	AB	A1A2	234165	**121**	117	113	+995	-0.16	-0.24	43	83	113	97	112	101	115	115	116		x	x	x
14	**Voli**				**121**	112	118	+662	+0.01	+0.01	54	94	107	96	109	106	99	100	105	x	x		x
16	**Julau**	AA	A1A2		**120**	120	111	+284	-0.01	+0.09	28	104	113	103	104	100	106	108	107	x		x	
16	**Viamont**	BB	A2A2	423651	**120**	117	116	+898	-0.16	-0.12	46	102	108	104	99	110	108	109	107		x	x	
15	**Vintage**	AB	A2A2	234165	**120**	117	121	+776	0.00	0.00	60	101	98	103	102	114	109	107	108	x	x	x	x
15	**Vavigo**	BB	A2A2		**120**	116	114	+479	+0.09	-0.03	42	96	111	104	108	83	108	121	114		x	x	
17	**Vermunt**	BB			**120**	114	112	+508	-0.04	-0.01	35	97	116	86	97	114	104	118	111	x			
17	**Janosch**	BB	A2A2		**119**	124	115	+958	-0.27	-0.11	42	98	105	97	119	116	111	96	108		x		x
18	**Figo**	BB	A2A2	423651	**119**	119	112	+643	-0.16	-0.05	33	102	111	103	103	106	111	110	108	x		x	
18	**Casino**	BB	A1A2	234165	**119**	113	122	+710	+0.10	-0.01	64	96	99	108	111	108	111	107	111		x	x	
21	**Essenz**	AB			**118**	121	113	+585	-0.01	-0.07	38	116	108	106	99	100	105	115	107				x
19	**Jucator**	BB	A2A2	432651	**118**	118	113	+197	+0.19	+0.11	39	111	108	110	83	77	111	131	110	x			
19	**Purpro**	BB		246315	**118**	117	110	+321	+0.05	+0.02	30	100	113	101	103	108	113	115	112	x	x		x
20	**Castle**	BB		324156	**118**	110	120	+474	+0.18	+0.07	58	90	101	103	99	93	105	115	109				
20	**Veritas**	AB	A2A2		**118**	109	120	+579	+0.12	+0.04	58	105	100	97	109	118	110	108	111	x	x	x	
22	**Hamster**	AA	A1A1		**116**	122	110	+227	+0.26	-0.06	33	111	111	104	107	116	116	116	117	x			
21	**Harrison**	BB	A2A2	426351	**116**	115	107	+422	-0.21	+0.01	17	106	113	90	107	107	105	121	115	x		x	
22	**Harvard**	BB	A2A2		**116**	114	112	+258	+0.03	+0.12	32	102	109	104	114	102	115	117	119	x		x	
24	**Viala**	AB	A2A2		**114**	117	114	+751	-0.16	-0.07	39	102	103	107	104	111	119	119	116		x	x	x
23	**Hacker**	AB	A2A2	654123	**114**	116	102	+347	-0.18	-0.10	5	106	117	111	95	103	117	113	110	x	x	x	x
23	**Hidalgo**	BB	A2A2	234165	**114**	113	109	+618	-0.22	-0.07	24	107	107	82	116	127	105	113	117		x	x	x
24	**Vivida**	AB			**114**	106	122	+779	+0.05	-0.01	64	98	91	102	109	124	107	110	113		x		x
25	**Feuerstein**	BB	A2A2	234165	**113**	114	106	+268	-0.09	+0.01	14	93	111	106	102	107	108	105	106	x			
25	**Glarus**	AB	A2A2	243615	**113**	105	117	+856	-0.15	-0.06	49	91	96	116	113	98	111	111	112	x	x	x	x
26	**Payssli**	BB	A1A2	243165	**110**	111	105	+280	-0.06	-0.04	14	99	107	96	114	111	102	120	117	x		x	x
26	**Assay**	AB	A2A2	243615	**109**	107	111	+492	-0.02	-0.04	34	100	96	97	113	112	109	118	118		x	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

Photo: Smeenk Farm in Makkinga, The Netherlands © Elly Geverink

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

Canyon

HBNr. 10/435395
LOM DE 08 16637282
Born 29.10.2017

aAa **642513**

CADURA — CADENCE 706
LIESE 2/2 9596 4.03 387 3.32 319 — **GS HUVI** LEXA 4/4 9603 4.30 413 3.48 334 — **EASTON**

Fitness **Longevity** **Udder composite**

A2A2

BB

genomic

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 131** 67%

MILK PERFORMANCE **MI 117** 65%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+662	-0,13	+17	+0,04	+27

BEEF PERFORMANCE **BI 113** 59%

Daily net gain	Carcass percentage	Carcass grade
112	109	106

FUNCTIONAL TRAITS **FIT 128** 65%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
105	109	111	131	112	108	118	104	137

Liese, dam of Canyon

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**103**		
Rump	**102**		
Feet & Legs	**115**		
Udder	**125**		
Final Score	**116**		
Muscling	97	light	heavy
Height at cross	102	small	large
Chest width	101	shallow	deep
Body depth	101	shallow	deep
Backline	88	weak	strong
Rump length	100	short	long
Rump width	98	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	106	in the back	in the centre
Hock angularity	88	straight	sickled
Hock develop.	108	swollen	dry
Pasterns	114	weak	strong
Foot angle	117	low angles	steep angles
Fore udder length	118	short	long
Rear udder width	111	narrow	wide
Rear udder height	115	low	high
Susp. ligament	106	weak	strong
Udder depth	111	deep	shallow
Fore udder att.	111	loose	tight
Udder balance	109	staged	inclined
Teat length	88	short	long
Teat thickness	85	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	111	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Ajax

HBNr. 10/346430
LOM DE 09 52007544
Born 15.10.2017

aAa **165243**

AMOR — ANIBAL DEBORA
BAERCHEN 3/3 7612 5.70 434 4.05 308 — **JOSCHKA** BAERBEL 6/6 8552 5.24 448 3.74 320 — **VASIR**

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

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 131** 67%

MILK PERFORMANCE **MI 124** 66%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+845	-0,01	+35	+0,02	+32

BEEF PERFORMANCE **BI 82** 60%

Daily net gain	Carcass percentage	Carcass grade
88	90	73

FUNCTIONAL TRAITS **FIT 118** 65%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
103	111	120	118	98	97	105	114	128

Bärchen, dam of Ajax, 3rd lac.

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**101**		
Rump	**98**		
Feet & Legs	**114**		
Udder	**108**		
Final Score	**107**		
Muscling	82	light	heavy
Height at cross	107	small	large
Chest width	96	shallow	deep
Body depth	101	shallow	deep
Backline	109	weak	strong
Rump length	101	short	long
Rump width	96	narrow	wide
Rump angle	109	ascending	sloped
Thurl position	101	in the back	in the centre
Hock angularity	87	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	109	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	112	short	long
Rear udder width	106	narrow	wide
Rear udder height	109	low	high
Susp. ligament	99	weak	strong
Udder depth	100	deep	shallow
Fore udder att.	101	loose	tight
Udder balance	100	staged	inclined
Teat length	100	short	long
Teat thickness	97	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	107	add. teats	clean udder

Vassri

HBNr. 10/346630
LOM DE 09 54021491
Born 04.09.2018

aAa **561423**

VASSLI
- VASIR
- BOUNTY

RIKI
4/3 9718 4.68 455 4.06 394
- **AG VANPARI**
  - RIKA
  - 5/5 10390 4.17 433 3.89 404
- **JULENG**

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

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 130** 72%

MILK PERFORMANCE **MI 127** 70%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1157	-0,06	+44	-0,08	+34

BEEF PERFORMANCE **BI 101** 64%

Daily net gain	Carcass percentage	Carcass grade
104	98	94

FUNCTIONAL TRAITS **FIT 109** 72%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
110	109	105	104	98	107	106	105	125

Riki, dam of Vassri, 3rd lac.

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**119**		
Rump	**111**		
Feet & Legs	**107**		
Udder	**110**		
Final Score	**116**		
Muscling	95	light	heavy
Height at cross	116	small	large
Chest width	115	shallow	deep
Body depth	119	shallow	deep
Backline	98	weak	strong
Rump length	119	short	long
Rump width	106	narrow	wide
Rump angle	93	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	108	swollen	dry
Pasterns	104	weak	strong
Foot angle	109	low angles	steep angles
Fore udder length	113	short	long
Rear udder width	110	narrow	wide
Rear udder height	106	low	high
Susp. ligament	109	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	108	loose	tight
Udder balance	108	staged	inclined
Teat length	100	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	98	wide	close
Teat placem. (rear)	105	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	105	add. teats	clean udder

Catman

HBNr. 10/435385
LOM DE 08 16637356
Born 14.08.2017

aAa **423651**

CADURA
- CADENCE
- 706

PIA
1/1 11736 4.77 559 4.52 531
- **AG HERCULES**
  - PIERA
  - 4/4 11933 4.87 581 4,00 478
- **VASSLI**

Milk **Fitness** **Longevity**

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 129** 66%

MILK PERFORMANCE **MI 124** 63%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1375	-0,30	+31	-0,15	+36

BEEF PERFORMANCE **BI 102** 61%

Daily net gain	Carcass percentage	Carcass grade
105	98	94

FUNCTIONAL TRAITS **FIT 115** 63%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
115	101	108	117	109	104	113	97	124

Piera, granddam of Catman, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**104**		
Rump	**108**		
Feet & Legs	**109**		
Udder	**107**		
Final Score	**109**		
Muscling	85	light	heavy
Height at cross	110	small	large
Chest width	99	shallow	deep
Body depth	100	shallow	deep
Backline	90	weak	strong
Rump length	110	short	long
Rump width	107	narrow	wide
Rump angle	94	ascending	sloped
Thurl position	97	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	103	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	109	narrow	wide
Rear udder height	112	low	high
Susp. ligament	105	weak	strong
Udder depth	101	deep	shallow
Fore udder att.	100	loose	tight
Udder balance	87	staged	inclined
Teat length	98	short	long
Teat thickness	90	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	103	add. teats	clean udder

genomic

Vaselino

HBNr. 10/346500
LOM DE 09 53325777
Born 01.01.2018

aAa **423516**

VASSLI
- VASIR
- BOUNTY

1304
2/2 9915 4.68 465 3.95 392
- **FEUERSTEIN**
  - 1184
  - 4/3 8998 5.08 457 3.80 342
- **AG VABENE**

Milk	Butterfat	Type

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 129** 71%

MILK PERFORMANCE **MI 126** 69%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+845	+0,15	+48	-0,03	+28

BEEF PERFORMANCE **BI 94** 63%

Daily net gain	Carcass percentage	Carcass grade
98	91	90

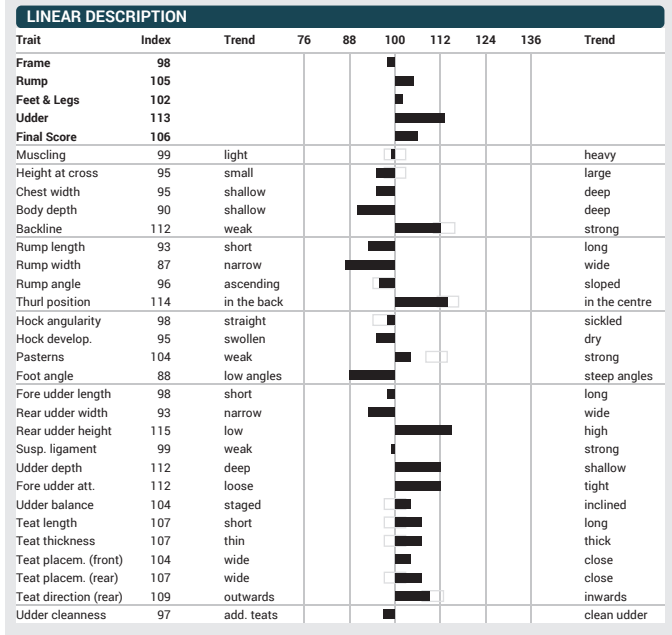
FUNCTIONAL TRAITS **FIT 111** 71%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
101	114	106	105	104	102	106	111	127

1304, dam of Vaselino, 3rd lac.

LINEAR DESCRIPTION

Trait	Index	Trend
Frame	**111**	
Rump	**109**	
Feet & Legs	**113**	
Udder	**116**	
Final Score	**112**	
Muscling	91	light
Height at cross	113	small
Chest width	103	shallow
Body depth	111	shallow
Backline	83	weak
Rump length	118	short
Rump width	105	narrow
Rump angle	94	ascending
Thurl position	104	in the back
Hock angularity	95	straight
Hock develop.	110	swollen
Pasterns	107	weak
Foot angle	105	low angles
Fore udder length	101	short
Rear udder width	109	narrow
Rear udder height	120	low
Susp. ligament	110	weak
Udder depth	112	deep
Fore udder att.	107	loose
Udder balance	105	staged
Teat length	92	short
Teat thickness	86	thin
Teat placem. (front)	95	wide
Teat placem. (rear)	104	wide
Teat direction (rear)	100	outwards
Udder cleanness	101	add. teats



Versailles

HBNr. 10/346550
LOM DE 09 53922429
Born 18.06.2018

aAa **423651**

AG VERMUNT
- AG VERDI
- RENATA

KATZE
5/5 9371 4.18 392 3.76 353
- **ETPAT**
  - KARLO
  - 3/3 10288 3.71 381 3.56 367
- **HURAY**

Fitness	Protein %	Udder composite

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 129** 66%

MILK PERFORMANCE **MI 115** 65%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+470	-0,02	+18	+0,06	+22

BEEF PERFORMANCE **BI 100** 55%

Daily net gain	Carcass percentage	Carcass grade
99	102	101

FUNCTIONAL TRAITS **FIT 129** 63%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
99	120	120	123	93	105	115	116	128

Katze, dam of Versailles, 4th lac.

LINEAR DESCRIPTION

Trait	Index	Trend
Frame	**98**	
Rump	**105**	
Feet & Legs	**102**	
Udder	**113**	
Final Score	**106**	
Muscling	99	light
Height at cross	95	small
Chest width	95	shallow
Body depth	90	shallow
Backline	112	weak
Rump length	93	short
Rump width	87	narrow
Rump angle	96	ascending
Thurl position	114	in the back
Hock angularity	98	straight
Hock develop.	95	swollen
Pasterns	104	weak
Foot angle	88	low angles
Fore udder length	98	short
Rear udder width	93	narrow
Rear udder height	115	low
Susp. ligament	99	weak
Udder depth	112	deep
Fore udder att.	112	loose
Udder balance	104	staged
Teat length	107	short
Teat thickness	107	thin
Teat placem. (front)	104	wide
Teat placem. (rear)	107	wide
Teat direction (rear)	109	outwards
Udder cleanness	97	add. teats

Andaman

HBNr. 10/346720
LOM DE 09 54363396
Born 15.01.2019

ANTONOV — ANIBAY / NOUGAT

GABOR — **DANE** / GABI — **HURAY**

2/1 9741 3.78 368 3.81 371

7/7 10356 4.62 479 3.93 407

Type	Milk	Fitness

Gracia, full sister of Gabi, granddam of Andaman

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 129** 63%

MILK PERFORMANCE **MI 122** 60%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+936	-0,10	+30	-0,04	+30

BEEF PERFORMANCE **BI 91** 50%

Daily net gain	Carcass percentage	Carcass grade
98	91	81

FUNCTIONAL TRAITS **FIT 116** 61%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
95	112	105	115	104	102	107	112	126

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**111**		
Rump	**102**		
Feet & Legs	**120**		
Udder	**126**		
Final Score	**120**		
Muscling	91	light	heavy
Height at cross	111	small	large
Chest width	100	shallow	deep
Body depth	107	shallow	deep
Backline	110	weak	strong
Rump length	111	short	long
Rump width	93	narrow	wide
Rump angle	92	ascending	sloped
Thurl position	96	in the back	in the centre
Hock angularity	93	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	112	weak	strong
Foot angle	114	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	116	narrow	wide
Rear udder height	114	low	high
Susp. ligament	103	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	108	loose	tight
Udder balance	101	staged	inclined
Teat length	91	short	long
Teat thickness	109	thin	thick
Teat placem. (front)	118	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	114	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Valid

HBNr. 10/435394
LOM DE 08 16630907
Born 30.09.2017

aAa **426351**

VASSLI — VASIR / BOUNTY

ANABELL — **ANIBAL** / ARQUETTE — **JUHUS**

3/3 8966 4.28 383 3.68 330

3/3 7646 4.83 369 3.93 300

Milk	Persistency	Udder health

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 128** 69%

MILK PERFORMANCE **MI 126** 67%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+786	+0,13	+44	+0,01	+29

BEEF PERFORMANCE **BI 105** 61%

Daily net gain	Carcass percentage	Carcass grade
109	95	97

FUNCTIONAL TRAITS **FIT 109** 70%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
113	116	118	107	99	102	100	92	127

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**118**		
Rump	**110**		
Feet & Legs	**108**		
Udder	**114**		
Final Score	**116**		
Muscling	103	light	heavy
Height at cross	120	small	large
Chest width	113	shallow	deep
Body depth	115	shallow	deep
Backline	100	weak	strong
Rump length	117	short	long
Rump width	106	narrow	wide
Rump angle	93	ascending	sloped
Thurl position	100	in the back	in the centre
Hock angularity	89	straight	sickled
Hock develop.	89	swollen	dry
Pasterns	112	weak	strong
Foot angle	117	low angles	steep angles
Fore udder length	101	short	long
Rear udder width	102	narrow	wide
Rear udder height	101	low	high
Susp. ligament	106	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	111	loose	tight
Udder balance	97	staged	inclined
Teat length	105	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	95	outwards	inwards
Udder cleanness	100	add. teats	clean udder

genomic

Piano

HBNr. 10/346165
LOM DE 09 54045718
Born 26.07.2018

aAa **651423**

PIERO — ANIBAL / PIERA

LASVEGAS 2/1 8449 4.97 420 3.52 297 — **AG VERDI** / LORCHE 3/3 8719 3.97 346 3.51 306 — **PAYSSLI**

Milk	Type	Fitness

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 128** 65%

MILK PERFORMANCE **MI 125** 62%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+978	-0,08	+34	-0,01	+34

BEEF PERFORMANCE **BI 102** 53%

Daily net gain	Carcass percentage	Carcass grade
105	97	96

FUNCTIONAL TRAITS **FIT 112** 63%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
100	114	114	111	94	106	102	96	123

Lasvegas, dam of Piano

genomic

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**117**		
Rump	**107**		
Feet & Legs	**108**		
Udder	**119**		
Final Score	**120**		
Muscling	94	light	heavy
Height at cross	117	small	large
Chest width	106	shallow	deep
Body depth	120	shallow	deep
Backline	94	weak	strong
Rump length	121	short	long
Rump width	101	narrow	wide
Rump angle	88	ascending	sloped
Thurl position	97	in the back	in the centre
Hock angularity	90	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	102	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	117	short	long
Rear udder width	125	narrow	wide
Rear udder height	121	low	high
Susp. ligament	107	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	111	loose	tight
Udder balance	110	staged	inclined
Teat length	99	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	111	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Bison

HBNr. 10/346560
LOM DE 09 54053436
Born 10.07.2018

aAa **246135**

BISTO — BIVER / FORTEAS

RAFAELA 2/1 7187 4.19 301 3.87 278 — **ANIBAL** / RAPUNZE 4/4 10142 3.91 397 3.47 352 — **BLOOMING**

Type	Milk	Protein %

A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 128** 65%

MILK PERFORMANCE **MI 127** 62%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+833	+0,00	+35	+0,09	+38

BEEF PERFORMANCE **BI 102** 57%

Daily net gain	Carcass percentage	Carcass grade
110	95	82

FUNCTIONAL TRAITS **FIT 105** 64%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
106	110	110	110	106	96	90	101	124

Rafaela, dam of Bison

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**122**		
Rump	**111**		
Feet & Legs	**111**		
Udder	**125**		
Final Score	**127**		
Muscling	103	light	heavy
Height at cross	119	small	large
Chest width	115	shallow	deep
Body depth	125	shallow	deep
Backline	98	weak	strong
Rump length	114	short	long
Rump width	110	narrow	wide
Rump angle	91	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	89	straight	sickled
Hock develop.	92	swollen	dry
Pasterns	112	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	120	short	long
Rear udder width	120	narrow	wide
Rear udder height	105	low	high
Susp. ligament	111	weak	strong
Udder depth	110	deep	shallow
Fore udder att.	119	loose	tight
Udder balance	113	staged	inclined
Teat length	87	short	long
Teat thickness	88	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	108	add. teats	clean udder

Antonov

HBNr. 10/435319
LOM LU 299.518.743
Born 24.09.2016

aAa **246135**

ANIBAY — ANIBAL / INDIRA
NOUGAT 1/1 7294 5.33 389 4.11 300 — **AG VANPARI** / NICKI — **PAYSSLI**
5/5 6153 5.05 311 3.71 228

Type	Longevity	Rear udder

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 127** 70%

MILK PERFORMANCE **MI 122** 67%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+874	-0,02	+35	-0,04	+28

BEEF PERFORMANCE **BI 83** 61%

Daily net gain	Carcass percentage	Carcass grade
89	89	77

FUNCTIONAL TRAITS **FIT 112** 70%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
97	106	109	111	100	101	104	112	122

Nougat, dam of Antonov

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**120**		
Rump	**108**		
Feet & Legs	**119**		
Udder	**128**		
Final Score	**127**		
Muscling	87	light	heavy
Height at cross	119	small	large
Chest width	103	shallow	deep
Body depth	112	shallow	deep
Backline	114	weak	strong
Rump length	117	short	long
Rump width	94	narrow	wide
Rump angle	99	ascending	sloped
Thurl position	103	in the back	in the centre
Hock angularity	85	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	114	weak	strong
Foot angle	114	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	112	narrow	wide
Rear udder height	125	low	high
Susp. ligament	99	weak	strong
Udder depth	113	deep	shallow
Fore udder att.	116	loose	tight
Udder balance	105	staged	inclined
Teat length	94	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	121	wide	close
Teat placem. (rear)	114	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	110	add. teats	clean udder

Alexey

HBNr. 10/435419
LOM DE 08 16972174
Born 04.09.2018

aAa **426351**

ANTONOV — ANIBAY / NOUGAT
MAJA 1/100 3154 4.47 141 3.55 112 — **HARRISON** / MANDY — **PAYBOY**
3/3 8869 4.09 363 3.69 327

Type	Fitness	Milk

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 127** 61%

MILK PERFORMANCE **MI 118** 58%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+833	-0,11	+26	-0,07	+24

BEEF PERFORMANCE **BI 93** 49%

Daily net gain	Carcass percentage	Carcass grade
100	87	84

FUNCTIONAL TRAITS **FIT 120** 61%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
88	118	109	119	102	103	107	106	126

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**125**		
Rump	**116**		
Feet & Legs	**117**		
Udder	**126**		
Final Score	**126**		
Muscling	91	light	heavy
Height at cross	126	small	large
Chest width	108	shallow	deep
Body depth	109	shallow	deep
Backline	110	weak	strong
Rump length	121	short	long
Rump width	105	narrow	wide
Rump angle	103	ascending	sloped
Thurl position	112	in the back	in the centre
Hock angularity	77	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	103	weak	strong
Foot angle	114	low angles	steep angles
Fore udder length	107	short	long
Rear udder width	111	narrow	wide
Rear udder height	117	low	high
Susp. ligament	99	weak	strong
Udder depth	121	deep	shallow
Fore udder att.	116	loose	tight
Udder balance	102	staged	inclined
Teat length	103	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	90	wide	close
Teat direction (rear)	88	outwards	inwards
Udder cleanness	106	add. teats	clean udder

genomic

genomic

Hochgrat

HBNr. 10/346650
LOM DE 09 54205404
Born 18.09.2018

HOCHDORF
- GS HUVI
- KOLLY

LIMO
1/1 9292 3.92 364 3.55 330
- **DANE**
  - LIESL
  2/2 10415 4.28 446 3.46 361
- **VASSLI**

Milk	Milking speed	Udder health

A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 127** 63%

MILK PERFORMANCE **MI 124** 60%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1143	-0,16	+34	-0,10	+32

BEEF PERFORMANCE **BI 97** 50%

Daily net gain	Carcass percentage	Carcass grade
103	100	78

FUNCTIONAL TRAITS **FIT 113** 62%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
115	114	99	114	101	97	109	98	121

Limo, dam of Hochgrat

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**109**		
Rump	**105**		
Feet & Legs	**109**		
Udder	**103**		
Final Score	**108**		
Muscling	85	light	heavy
Height at cross	116	small	large
Chest width	107	shallow	deep
Body depth	106	shallow	deep
Backline	95	weak	strong
Rump length	107	short	long
Rump width	103	narrow	wide
Rump angle	103	ascending	sloped
Thurl position	106	in the back	in the centre
Hock angularity	92	straight	sickled
Hock develop.	98	swollen	dry
Pasterns	116	weak	strong
Foot angle	115	low angles	steep angles
Fore udder length	100	short	long
Rear udder width	99	narrow	wide
Rear udder height	111	low	high
Susp. ligament	106	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	93	loose	tight
Udder balance	98	staged	inclined
Teat length	102	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	104	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	96	outwards	inwards
Udder cleanness	96	add. teats	clean udder

Sansibar

HBNr. 10/435405
LOM DE 08 16932028
Born 30.11.2017

GS SINATRA
- SEASIDEBLOOM
- RIANA

ZARA 28
5/5 9460 4.49 425 3.51 332
- **VASIR**
  - ZAMBA
  6/6 9089 3.86 351 3.81 346
- **PRESIDENT ET**

Fitness	Type	Milk

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 126** 65%

MILK PERFORMANCE **MI 119** 62%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+892	-0,20	+20	-0,03	+30

BEEF PERFORMANCE **BI 89** 62%

Daily net gain	Carcass percentage	Carcass grade
92	86	94

FUNCTIONAL TRAITS **FIT 120** 63%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
110	120	118	122	94	99	104	97	124

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**106**		
Rump	**114**		
Feet & Legs	**114**		
Udder	**116**		
Final Score	**113**		
Muscling	98	light	heavy
Height at cross	110	small	large
Chest width	108	shallow	deep
Body depth	98	shallow	deep
Backline	103	weak	strong
Rump length	105	short	long
Rump width	106	narrow	wide
Rump angle	102	ascending	sloped
Thurl position	112	in the back	in the centre
Hock angularity	73	straight	sickled
Hock develop.	86	swollen	dry
Pasterns	124	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	97	narrow	wide
Rear udder height	104	low	high
Susp. ligament	102	weak	strong
Udder depth	120	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	108	staged	inclined
Teat length	94	short	long
Teat thickness	103	thin	thick
Teat placem. (front)	97	wide	close
Teat placem. (rear)	107	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	107	add. teats	clean udder

Leonhard

HBNr. 10/435426
LOM DE 08 17009257
Born 25.09.2018

aAa **654123**

LUTHER — BRADLEY / IRIA
KATRIN 1/1 6771 4.64 314 3.81 258 — **GS HUVI** / KERSTIN 4/4 9929 3.92 389 3.64 362 — **JOEL**

Type	Milk	Persistence

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 126** 60%

MILK PERFORMANCE **MI 123** 57%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+836	-0,02	+33	+0,00	+31

BEEF PERFORMANCE **BI 92** 49%

Daily net gain	Carcass percentage	Carcass grade
94	98	86

FUNCTIONAL TRAITS **FIT 113** 58%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
97	107	113	110	103	101	110	102	123

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**115**		
Rump	**110**		
Feet & Legs	**107**		
Udder	**108**		
Final Score	**113**		
Muscling	96	light	heavy
Height at cross	120	small	large
Chest width	106	shallow	deep
Body depth	108	shallow	deep
Backline	103	weak	strong
Rump length	116	short	long
Rump width	109	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	112	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	102	swollen	dry
Pasterns	102	weak	strong
Foot angle	99	low angles	steep angles
Fore udder length	113	short	long
Rear udder width	112	narrow	wide
Rear udder height	109	low	high
Susp. ligament	108	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	90	staged	inclined
Teat length	100	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	102	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Dorian

HBNr. 10/435309
LOM DE 08 16474355
Born 30.06.2016

aAa **243651**

DARIO — PAYSSLI / ALIBABA DAVO
KESSY 3/3 9669 4.62 446 3.74 362 — **ANIBAL** / 81376 3/3 11310 4.10 463 3.36 380 — **VASIR**

Udder composite	Components	Fitness

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 125** 69%

MILK PERFORMANCE **MI 116** 66%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+379	+0,08	+22	+0,10	+21

BEEF PERFORMANCE **BI 101** 63%

Daily net gain	Carcass percentage	Carcass grade
106	100	85

FUNCTIONAL TRAITS **FIT 121** 67%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
103	121	101	120	97	105	112	102	123

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**95**		
Rump	**97**		
Feet & Legs	**109**		
Udder	**122**		
Final Score	**110**		
Muscling	99	light	heavy
Height at cross	101	small	large
Chest width	94	shallow	deep
Body depth	86	shallow	deep
Backline	95	weak	strong
Rump length	103	short	long
Rump width	90	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	102	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	108	weak	strong
Foot angle	102	low angles	steep angles
Fore udder length	115	short	long
Rear udder width	109	narrow	wide
Rear udder height	109	low	high
Susp. ligament	100	weak	strong
Udder depth	116	deep	shallow
Fore udder att.	111	loose	tight
Udder balance	106	staged	inclined
Teat length	87	short	long
Teat thickness	76	thin	thick
Teat placem. (front)	129	wide	close
Teat placem. (rear)	118	wide	close
Teat direction (rear)	120	outwards	inwards
Udder cleanness	101	add. teats	clean udder

genomic

genomic

Semper

HBNr. 10/346610
LOM DE 09 53249229
Born 05.08.2018

GF.: B2C

SEASIDERAY — SEASIDEBLOOM / MARRY

URMEL — **AG PIRELLI** / UTE — **GS HUXOY**

3/2 9009 3.98 359 3.87 349

4/4 9777 3.59 351 3.56 348

Milk	Type	Persistency

A1A2

AB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 125** 62%

MILK PERFORMANCE **MI 125** 59%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1153	-0,15	+35	-0,09	+34

BEEF PERFORMANCE **BI 93** 53%

Daily net gain	Carcass percentage	Carcass grade
96	98	83

FUNCTIONAL TRAITS **FIT 107** 61%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
99	103	117	108	91	102	104	89	122

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**115**		
Rump	**114**		
Feet & Legs	**105**		
Udder	**111**		
Final Score	**115**		
Muscling	94	light	heavy
Height at cross	109	small	large
Chest width	104	shallow	deep
Body depth	109	shallow	deep
Backline	105	weak	strong
Rump length	108	short	long
Rump width	94	narrow	wide
Rump angle	101	ascending	sloped
Thurl position	115	in the back	in the centre
Hock angularity	93	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	96	weak	strong
Foot angle	104	low angles	steep angles
Fore udder length	117	short	long
Rear udder width	117	narrow	wide
Rear udder height	107	low	high
Susp. ligament	102	weak	strong
Udder depth	98	deep	shallow
Fore udder att.	95	loose	tight
Udder balance	95	staged	inclined
Teat length	93	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	89	wide	close
Teat direction (rear)	104	outwards	inwards
Udder cleanness	94	add. teats	clean udder

Alpsee

HBNr. 10/346390
LOM DE 09 53369936
Born 01.10.2017

aAa **243165**

AMOR — ANIBAL / DEBORA

HOLDE — **AG PUCK** / HELENE — **BIG**

5/4 10398 5.10 531 3.51 365

1/1 7355 4.20 309 3.77 277

Type	Fitness	Milk

A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 124** 67%

MILK PERFORMANCE **MI 118** 65%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+814	-0,12	+24	-0,04	+26

BEEF PERFORMANCE **BI 83** 59%

Daily net gain	Carcass percentage	Carcass grade
90	87	77

FUNCTIONAL TRAITS **FIT 115** 65%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
94	111	123	120	101	94	98	103	124

Holde, dam of Alpsee

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**107**		
Rump	**110**		
Feet & Legs	**115**		
Udder	**119**		
Final Score	**116**		
Muscling	85	light	heavy
Height at cross	116	small	large
Chest width	96	shallow	deep
Body depth	104	shallow	deep
Backline	110	weak	strong
Rump length	103	short	long
Rump width	103	narrow	wide
Rump angle	113	ascending	sloped
Thurl position	97	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	119	weak	strong
Foot angle	114	low angles	steep angles
Fore udder length	120	short	long
Rear udder width	118	narrow	wide
Rear udder height	122	low	high
Susp. ligament	102	weak	strong
Udder depth	111	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	104	staged	inclined
Teat length	105	short	long
Teat thickness	98	thin	thick
Teat placem. (front)	114	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	107	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Cusco

HBNr. 10/346450
LOM DE 09 52887601
Born 23.11.2017

aAa **615243**

AG CASTLE
- CADENCE
- BIRZLE

ULME
2/2 8365 4.31 361 4.02 337
- **AG VERDI**
  - UTE
  4/4 9777 3.59 351 3.56 348
- **GS HUXOY**

Milk	Fertility	Rear udder

A1A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 124** 63%

MILK PERFORMANCE **MI 124** 61%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+744	+0,06	+36	+0,06	+31

BEEF PERFORMANCE **BI 99** 53%

Daily net gain	Carcass percentage	Carcass grade
102	94	95

FUNCTIONAL TRAITS **FIT 109** 62%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
107	103	103	104	96	104	119	93	114

Ulme, dam of Cusco

LINEAR DESCRIPTION

Trait	Index	Trend
Frame	**102**	
Rump	**107**	
Feet & Legs	**108**	
Udder	**108**	
Final Score	**106**	
Muscling	97	light – heavy
Height at cross	102	small – large
Chest width	99	shallow – deep
Body depth	100	shallow – deep
Backline	85	weak – strong
Rump length	100	short – long
Rump width	102	narrow – wide
Rump angle	100	ascending – sloped
Thurl position	109	in the back – in the centre
Hock angularity	91	straight – sickled
Hock develop.	94	swollen – dry
Pasterns	106	weak – strong
Foot angle	101	low angles – steep angles
Fore udder length	106	short – long
Rear udder width	114	narrow – wide
Rear udder height	113	low – high
Susp. ligament	109	weak – strong
Udder depth	96	deep – shallow
Fore udder att.	96	loose – tight
Udder balance	92	staged – inclined
Teat length	103	short – long
Teat thickness	110	thin – thick
Teat placem. (front)	105	wide – close
Teat placem. (rear)	104	wide – close
Teat direction (rear)	104	outwards – inwards
Udder cleanness	105	add. teats – clean udder

Atlas

HBNr. 10/346185
LOM DE 09 54365402
Born 20.09.2018

aAa **264135**

ANTONOV
- ANIBAY
- NOUGAT

FAITH
6/5 13713 3.84 526 3.73 511
- **VIGOR**
  - FAITH
  5/4 13194 3.50 462 3.53 466
- **PRONTO**

Type	Fitness	Rear udder

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 124** 68%

MILK PERFORMANCE **MI 118** 66%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+664	+0,00	+28	-0,01	+23

BEEF PERFORMANCE **BI 92** 56%

Daily net gain	Carcass percentage	Carcass grade
96	92	88

FUNCTIONAL TRAITS **FIT 115** 67%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
99	113	116	114	97	101	106	101	122

Faith, dam of Altas, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Trend
Frame	**113**	
Rump	**108**	
Feet & Legs	**114**	
Udder	**117**	
Final Score	**118**	
Muscling	84	light – heavy
Height at cross	118	small – large
Chest width	100	shallow – deep
Body depth	110	shallow – deep
Backline	100	weak – strong
Rump length	111	short – long
Rump width	97	narrow – wide
Rump angle	104	ascending – sloped
Thurl position	97	in the back – in the centre
Hock angularity	82	straight – sickled
Hock develop.	98	swollen – dry
Pasterns	120	weak – strong
Foot angle	110	low angles – steep angles
Fore udder length	109	short – long
Rear udder width	105	narrow – wide
Rear udder height	125	low – high
Susp. ligament	94	weak – strong
Udder depth	111	deep – shallow
Fore udder att.	111	loose – tight
Udder balance	106	staged – inclined
Teat length	113	short – long
Teat thickness	103	thin – thick
Teat placem. (front)	107	wide – close
Teat placem. (rear)	102	wide – close
Teat direction (rear)	103	outwards – inwards
Udder cleanness	108	add. teats – clean udder

genomic

genomic

Capri

HBNr. 10/346460
LOM DE 09 52359562
Born 23.01.2018

aAa **426351**

CADENCE — BROOKINGS / BUFFY

GRAEFIN 3/3 9049 4.47 404 3.56 322 — **AG VANPARI** / GEMSLE 5/5 9077 3.82 347 3.34 304 — **HURAY**

Udder composite **Components** **Udder health**

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 123** 69%

MILK PERFORMANCE **MI 119** 68%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+591	+0,06	+30	+0,02	+23

BEEF PERFORMANCE **BI 91** 60%

Daily net gain	Carcass percentage	Carcass grade
97	90	81

FUNCTIONAL TRAITS **FIT 109** 69%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
96	109	105	106	111	110	103	105	119

Gräfin, dam of Capri

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**104**		
Rump	**106**		
Feet & Legs	**105**		
Udder	**121**		
Final Score	**116**		
Muscling	96	light	heavy
Height at cross	100	small	large
Chest width	97	shallow	deep
Body depth	106	shallow	deep
Backline	95	weak	strong
Rump length	107	short	long
Rump width	101	narrow	wide
Rump angle	84	ascending	sloped
Thurl position	96	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	103	swollen	dry
Pasterns	91	weak	strong
Foot angle	96	low angles	steep angles
Fore udder length	108	short	long
Rear udder width	111	narrow	wide
Rear udder height	113	low	high
Susp. ligament	114	weak	strong
Udder depth	108	deep	shallow
Fore udder att.	113	loose	tight
Udder balance	106	staged	inclined
Teat length	94	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	100	outwards	inwards
Udder cleanness	112	add. teats	clean udder

Senator

HBNr. 10/346095
LOM DE 09 53633074
Born 08.02.2018

SEASIDEBLOOM — BROOKINGS / PETUNIA

BAY 7/7 9818 4.58 450 3.65 358 — **HURAY** / BAGDAD 6/6 9383 4.73 444 3.80 357 — **JUBLEND**

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

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 123** 68%

MILK PERFORMANCE **MI 117** 67%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+809	-0,07	+28	-0,09	+22

BEEF PERFORMANCE **BI 90** 58%

Daily net gain	Carcass percentage	Carcass grade
90	99	91

FUNCTIONAL TRAITS **FIT 115** 67%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
94	116	112	112	100	107	109	98	123

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**105**		
Rump	**90**		
Feet & Legs	**106**		
Udder	**115**		
Final Score	**110**		
Muscling	93	light	heavy
Height at cross	111	small	large
Chest width	101	shallow	deep
Body depth	99	shallow	deep
Backline	101	weak	strong
Rump length	104	short	long
Rump width	105	narrow	wide
Rump angle	82	ascending	sloped
Thurl position	83	in the back	in the centre
Hock angularity	103	straight	sickled
Hock develop.	107	swollen	dry
Pasterns	108	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	101	short	long
Rear udder width	105	narrow	wide
Rear udder height	114	low	high
Susp. ligament	99	weak	strong
Udder depth	114	deep	shallow
Fore udder att.	103	loose	tight
Udder balance	108	staged	inclined
Teat length	102	short	long
Teat thickness	101	thin	thick
Teat placem. (front)	99	wide	close
Teat placem. (rear)	95	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Sidence

HBNr. 10/346510
LOM DE 09 53325785
Born 08.01.2018

aAa **234165**

GS SINATRA
- SEASIDEBLOOM
- RIANA

1314
2/2 10023 4.02 403 3.95 396
- **CADENCE**
  1186
  4/4 11000 4.22 464 3.73 410
- **GS HUXOY**

Type	Milk	Fitness

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 123** 61%

MILK PERFORMANCE **MI 120** 58%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+939	-0,20	+22	-0,04	+30

BEEF PERFORMANCE **BI 90** 61%

Daily net gain	Carcass percentage	Carcass grade
94	87	89

FUNCTIONAL TRAITS **FIT 114** 61%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
107	117	114	113	103	107	106	91	119

1314, dam of Sidence, 2nd lac.

LINEAR DESCRIPTION

Trait	Index	Trend
Frame	**118**	
Rump	**112**	
Feet & Legs	**109**	
Udder	**108**	
Final Score	**115**	
Muscling	96	light – heavy
Height at cross	115	small – large
Chest width	111	shallow – deep
Body depth	115	shallow – deep
Backline	110	weak – strong
Rump length	113	short – long
Rump width	99	narrow – wide
Rump angle	106	ascending – sloped
Thurl position	111	in the back – in the centre
Hock angularity	103	straight – sickled
Hock develop.	101	swollen – dry
Pasterns	105	weak – strong
Foot angle	102	low angles – steep angles
Fore udder length	102	short – long
Rear udder width	103	narrow – wide
Rear udder height	109	low – high
Susp. ligament	99	weak – strong
Udder depth	111	deep – shallow
Fore udder att.	106	loose – tight
Udder balance	106	staged – inclined
Teat length	102	short – long
Teat thickness	93	thin – thick
Teat placem. (front)	93	wide – close
Teat placem. (rear)	94	wide – close
Teat direction (rear)	102	outwards – inwards
Udder cleanness	102	add. teats – clean udder

Caribic

HBNr. 10/346145
LOM DE 09 52686346
Born 12.04.2018

CADURA
- CADENCE
  706

ANNI
3/3 9886 4.63 457 3.59 355
- **VASSLI**
  ANITA
  7/7 7321 4.44 325 3.71 271
- **EMERUP**

Udder composite	Udder health	Milk

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 123** 67%

MILK PERFORMANCE **MI 120** 66%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+772	-0,04	+29	+0,00	+28

BEEF PERFORMANCE **BI 93** 61%

Daily net gain	Carcass percentage	Carcass grade
97	99	83

FUNCTIONAL TRAITS **FIT 109** 65%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
105	122	104	108	110	102	98	96	123

LINEAR DESCRIPTION

Trait	Index	Trend
Frame	**116**	
Rump	**101**	
Feet & Legs	**109**	
Udder	**123**	
Final Score	**119**	
Muscling	94	light – heavy
Height at cross	112	small – large
Chest width	110	shallow – deep
Body depth	114	shallow – deep
Backline	84	weak – strong
Rump length	114	short – long
Rump width	104	narrow – wide
Rump angle	87	ascending – sloped
Thurl position	98	in the back – in the centre
Hock angularity	104	straight – sickled
Hock develop.	109	swollen – dry
Pasterns	106	weak – strong
Foot angle	99	low angles – steep angles
Fore udder length	101	short – long
Rear udder width	111	narrow – wide
Rear udder height	114	low – high
Susp. ligament	109	weak – strong
Udder depth	115	deep – shallow
Fore udder att.	115	loose – tight
Udder balance	106	staged – inclined
Teat length	95	short – long
Teat thickness	91	thin – thick
Teat placem. (front)	101	wide – close
Teat placem. (rear)	91	wide – close
Teat direction (rear)	92	outwards – inwards
Udder cleanness	102	add. teats – clean udder

genomic

Vassido

HBNr. 10/346105
LOM DE 09 53719286
Born 22.03.2018

aAa **423651**

VASSLI — VASIR / BOUNTY
LANA 3/3 8652 4.30 372 4.03 349 — **JULENG** / LAURA 5/5 9987 4.13 413 3.86 385 — **JOEL**

Type	Milk	Milking speed

A2A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 123** 71%

MILK PERFORMANCE **MI 123** 69%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+723	+0,08	+37	+0,03	+29

BEEF PERFORMANCE **BI 98** 63%

Daily net gain	Carcass percentage	Carcass grade
103	97	84

FUNCTIONAL TRAITS **FIT 103** 71%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
114	111	104	100	97	103	96	100	126

genomic

Lana, dam of Vassido, 4th lac.

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**124**		
Rump	**117**		
Feet & Legs	**108**		
Udder	**118**		
Final Score	**121**		
Muscling	110	light	heavy
Height at cross	117	small	large
Chest width	121	shallow	deep
Body depth	123	shallow	deep
Backline	99	weak	strong
Rump length	124	short	long
Rump width	115	narrow	wide
Rump angle	92	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	107	weak	strong
Foot angle	111	low angles	steep angles
Fore udder length	102	short	long
Rear udder width	111	narrow	wide
Rear udder height	115	low	high
Susp. ligament	105	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	119	loose	tight
Udder balance	108	staged	inclined
Teat length	102	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	92	wide	close
Teat placem. (rear)	99	wide	close
Teat direction (rear)	95	outwards	inwards
Udder cleanness	95	add. teats	clean udder

Bilanz

HBNr. 10/346195
LOM DE 09 53542655
Born 24.10.2018

aAa **432561**

BISTO — BIVER / FORTEAS
SUSANN 2/1 9233 4.13 381 3.67 339 — **ANIBAL** / SELINA 4/4 12635 4.09 517 3.73 471 — **EGIZ**

Type	Longevity	Components

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 123** 64%

MILK PERFORMANCE **MI 121** 61%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+641	+0,07	+33	+0,03	+25

BEEF PERFORMANCE **BI 102** 56%

Daily net gain	Carcass percentage	Carcass grade
106	101	90

FUNCTIONAL TRAITS **FIT 107** 63%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
100	103	108	109	102	94	99	109	122

Susann, dam of Bilanz

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**112**		
Rump	**115**		
Feet & Legs	**112**		
Udder	**113**		
Final Score	**115**		
Muscling	96	light	heavy
Height at cross	112	small	large
Chest width	107	shallow	deep
Body depth	104	shallow	deep
Backline	102	weak	strong
Rump length	110	short	long
Rump width	108	narrow	wide
Rump angle	116	ascending	sloped
Thurl position	113	in the back	in the centre
Hock angularity	87	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	110	weak	strong
Foot angle	110	low angles	steep angles
Fore udder length	106	short	long
Rear udder width	108	narrow	wide
Rear udder height	103	low	high
Susp. ligament	115	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	102	loose	tight
Udder balance	91	staged	inclined
Teat length	80	short	long
Teat thickness	107	thin	thick
Teat placem. (front)	122	wide	close
Teat placem. (rear)	126	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	99	add. teats	clean udder

Casanova

HBNr. 10/435402
LOM DE 08 16820676
Born 02.12.2017

aAa **216435**

CADENCE — BROOKINGS / BUFFY

MARION 2/2 9236 3.90 360 3.51 325 — **GS HUVI** 603 5/5 9733 4.13 402 3.71 361 — **PAYSSLI**

Type	Udder health	Milk

A1A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 122** 71%

MILK PERFORMANCE **MI 116** 69%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+729	-0,09	+23	-0,05	+23

BEEF PERFORMANCE **BI 94** 62%

Daily net gain	Carcass percentage	Carcass grade
100	94	82

FUNCTIONAL TRAITS **FIT 113** 71%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
106	115	104	110	110	104	109	98	125

Marion, dam of Casanova

LINEAR DESCRIPTION

Trait	Index	Trend
Frame	**125**	
Rump	**122**	
Feet & Legs	**111**	
Udder	**127**	
Final Score	**125**	
Muscling	106	light – heavy
Height at cross	126	small – large
Chest width	110	shallow – deep
Body depth	121	shallow – deep
Backline	105	weak – strong
Rump length	119	short – long
Rump width	118	narrow – wide
Rump angle	94	ascending – sloped
Thurl position	101	in the back – in the centre
Hock angularity	92	straight – sickled
Hock develop.	106	swollen – dry
Pasterns	99	weak – strong
Foot angle	111	low angles – steep angles
Fore udder length	100	short – long
Rear udder width	114	narrow – wide
Rear udder height	117	low – high
Susp. ligament	117	weak – strong
Udder depth	120	deep – shallow
Fore udder att.	117	loose – tight
Udder balance	102	staged – inclined
Teat length	97	short – long
Teat thickness	102	thin – thick
Teat placem. (front)	105	wide – close
Teat placem. (rear)	105	wide – close
Teat direction (rear)	115	outwards – inwards
Udder cleanness	99	add. teats – clean udder

Seahawk

HBNr. 10/346255
LOM DE 09 54684727
Born 14.02.2019

SEASIDEBLOOM — BROOKINGS / PETUNIA

ULLI 1/1 8.452 4,07 3,68 655 — **JUCATOR** USCHI 3/2 8937 3.87 346 3.89 348 — **AG VERDI**

Udder composite	Persistency	Milk

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 122** 66%

MILK PERFORMANCE **MI 118** 65%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+840	-0,14	+23	-0,04	+27

BEEF PERFORMANCE **BI 100** 59%

Daily net gain	Carcass percentage	Carcass grade
101	103	95

FUNCTIONAL TRAITS **FIT 110** 65%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
116	103	116	110	104	106	103	101	124

Ulli, dam of Seahawk

LINEAR DESCRIPTION

Trait	Index	Trend
Frame	**102**	
Rump	**96**	
Feet & Legs	**107**	
Udder	**120**	
Final Score	**111**	
Muscling	93	light – heavy
Height at cross	101	small – large
Chest width	92	shallow – deep
Body depth	100	shallow – deep
Backline	104	weak – strong
Rump length	101	short – long
Rump width	95	narrow – wide
Rump angle	91	ascending – sloped
Thurl position	102	in the back – in the centre
Hock angularity	102	straight – sickled
Hock develop.	114	swollen – dry
Pasterns	106	weak – strong
Foot angle	101	low angles – steep angles
Fore udder length	121	short – long
Rear udder width	114	narrow – wide
Rear udder height	112	low – high
Susp. ligament	102	weak – strong
Udder depth	109	deep – shallow
Fore udder att.	102	loose – tight
Udder balance	113	staged – inclined
Teat length	86	short – long
Teat thickness	91	thin – thick
Teat placem. (front)	106	wide – close
Teat placem. (rear)	109	wide – close
Teat direction (rear)	117	outwards – inwards
Udder cleanness	106	add. teats – clean udder

genomic

genomic

Bloomlord

HBNr. 10/346135
LOM DE 09 53401451
Born 08.05.2018

aAa **243615**

BLOOMING
- GLENN
- BEVERLY

15343
4/4 9817 3.97 390 3.32 326
- **HURAY**
  448
  7/7 8757 4.03 353 3.24 284
- **HUCOS**

Type	Milk	Fitness

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 121** 65%

MILK PERFORMANCE **MI 116** 62%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+727	-0,16	+17	-0,01	+26

BEEF PERFORMANCE **BI 89** 54%

Daily net gain	Carcass percentage	Carcass grade
100	89	67

FUNCTIONAL TRAITS **FIT 110** 65%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
111	108	111	110	99	101	103	104	118

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**120**		
Rump	**120**		
Feet & Legs	**114**		
Udder	**119**		
Final Score	**120**		
Muscling	86	light	heavy
Height at cross	124	small	large
Chest width	104	shallow	deep
Body depth	111	shallow	deep
Backline	119	weak	strong
Rump length	118	short	long
Rump width	116	narrow	wide
Rump angle	107	ascending	sloped
Thurl position	110	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	109	swollen	dry
Pasterns	105	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	123	short	long
Rear udder width	112	narrow	wide
Rear udder height	112	low	high
Susp. ligament	102	weak	strong
Udder depth	109	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	98	staged	inclined
Teat length	93	short	long
Teat thickness	89	thin	thick
Teat placem. (front)	117	wide	close
Teat placem. (rear)	115	wide	close
Teat direction (rear)	113	outwards	inwards
Udder cleanness	106	add. teats	clean udder

Epiano

HBNr. 10/346570
LOM DE 09 52972691
Born 12.07.2018

AG EASYBOX
- EATON
- LUDER

IRA
2/1 7887 4.11 324 3.68 290
- **AG VAPIANO**
  IRIS
  3/3 8834 3.81 336 3.42 302
- **JUBLEM**

Type	Milk	Udder health

A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 121** 61%

MILK PERFORMANCE **MI 119** 58%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1018	-0,20	+26	-0,12	+26

BEEF PERFORMANCE **BI 103** 49%

Daily net gain	Carcass percentage	Carcass grade
106	95	97

FUNCTIONAL TRAITS **FIT 109** 61%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
100	112	97	108	92	100	107	101	117

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**111**		
Rump	**113**		
Feet & Legs	**112**		
Udder	**114**		
Final Score	**117**		
Muscling	92	light	heavy
Height at cross	109	small	large
Chest width	108	shallow	deep
Body depth	115	shallow	deep
Backline	89	weak	strong
Rump length	106	short	long
Rump width	115	narrow	wide
Rump angle	106	ascending	sloped
Thurl position	105	in the back	in the centre
Hock angularity	99	straight	sickled
Hock develop.	99	swollen	dry
Pasterns	110	weak	strong
Foot angle	112	low angles	steep angles
Fore udder length	117	short	long
Rear udder width	118	narrow	wide
Rear udder height	121	low	high
Susp. ligament	108	weak	strong
Udder depth	98	deep	shallow
Fore udder att.	107	loose	tight
Udder balance	101	staged	inclined
Teat length	101	short	long
Teat thickness	93	thin	thick
Teat placem. (front)	96	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	108	add. teats	clean udder

Asimov

HBNr. 10/435430
LOM DE 08 16972180
Born 20.10.2018

aAa **243651**

ANTONOV — ANIBAY / NOUGAT
MAJA 1/100 3154 4.47 141 3.55 112 — **HARRISON** / MANDY — **PAYBOY**
3/3 8869 4.09 363 3.69 327

Type	Components	Longevity

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 121** 61%

MILK PERFORMANCE **MI 119** 57%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+564	+0,07	+29	+0,04	+24

BEEF PERFORMANCE **BI 96** 51%

Daily net gain	Carcass percentage	Carcass grade
104	92	82

FUNCTIONAL TRAITS **FIT 109** 60%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
100	104	104	108	94	103	108	92	117

LINEAR DESCRIPTION

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**121**								
Rump	**111**								
Feet & Legs	**111**								
Udder	**133**								
Final Score	**128**								
Muscling	89	light							heavy
Height at cross	120	small							large
Chest width	108	shallow							deep
Body depth	109	shallow							deep
Backline	97	weak							strong
Rump length	121	short							long
Rump width	94	narrow							wide
Rump angle	91	ascending							sloped
Thurl position	103	in the back							in the centre
Hock angularity	88	straight							sickled
Hock develop.	94	swollen							dry
Pasterns	101	weak							strong
Foot angle	116	low angles							steep angles
Fore udder length	110	short							long
Rear udder width	112	narrow							wide
Rear udder height	123	low							high
Susp. ligament	100	weak							strong
Udder depth	124	deep							shallow
Fore udder att.	118	loose							tight
Udder balance	117	staged							inclined
Teat length	102	short							long
Teat thickness	105	thin							thick
Teat placem. (front)	112	wide							close
Teat placem. (rear)	103	wide							close
Teat direction (rear)	106	outwards							inwards
Udder cleanness	103	add. teats							clean udder

Boss

HBNr. 10/346175
LOM DE 09 53538732
Born 02.07.2018

GF.: B2C

BOSEPHUS — WONDERMENT / BESS
MAREIKE 6/5 11368 4.01 456 3.59 408 — **VINCENT** / MARIA — **HUSIR**
8/7 10304 4.21 433 3.68 379

Udder composite	Udder health	Components

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 121** 68%

MILK PERFORMANCE **MI 117** 67%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+349	+0,21	+31	+0,06	+17

BEEF PERFORMANCE **BI 103** 58%

Daily net gain	Carcass percentage	Carcass grade
107	94	99

FUNCTIONAL TRAITS **FIT 108** 67%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
104	119	101	109	104	107	93	102	121

LINEAR DESCRIPTION

Trait	Index	Trend	76	88	100	112	124	136	Trend
Frame	**104**								
Rump	**101**								
Feet & Legs	**104**								
Udder	**118**								
Final Score	**111**								
Muscling	104	light							heavy
Height at cross	104	small							large
Chest width	95	shallow							deep
Body depth	99	shallow							deep
Backline	97	weak							strong
Rump length	107	short							long
Rump width	91	narrow							wide
Rump angle	102	ascending							sloped
Thurl position	102	in the back							in the centre
Hock angularity	98	straight							sickled
Hock develop.	101	swollen							dry
Pasterns	108	weak							strong
Foot angle	104	low angles							steep angles
Fore udder length	104	short							long
Rear udder width	104	narrow							wide
Rear udder height	119	low							high
Susp. ligament	111	weak							strong
Udder depth	119	deep							shallow
Fore udder att.	121	loose							tight
Udder balance	103	staged							inclined
Teat length	91	short							long
Teat thickness	103	thin							thick
Teat placem. (front)	110	wide							close
Teat placem. (rear)	107	wide							close
Teat direction (rear)	93	outwards							inwards
Udder cleanness	96	add. teats							clean udder

genomic

Vollmilch

HBNr. 10/346310
LOM DE 09 52155192
Born 18.03.2017

aAa **156324**

VASSLI — VASIR / BOUNTY
FLAUDA 5/4 12331 3.74 461 3.41 420 — **HURAY** F 1/1 6744 3.88 262 3.32 224 — **JULENG**

Milk	Frame	Milking speed

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 120** 72%

MILK PERFORMANCE **MI 124** 68%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+1254	-0,13	+41	-0,18	+29

BEEF PERFORMANCE **BI 93** 63%

Daily net gain	Carcass percentage	Carcass grade
98	97	80

FUNCTIONAL TRAITS **FIT 98** 72%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
111	101	110	100	86	105	98	83	116

genomic

Flauda, dam of Vollmilch, 4th lac.

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**122**		
Rump	**111**		
Feet & Legs	**110**		
Udder	**107**		
Final Score	**113**		
Muscling	102	light	heavy
Height at cross	113	small	large
Chest width	109	shallow	deep
Body depth	120	shallow	deep
Backline	109	weak	strong
Rump length	123	short	long
Rump width	100	narrow	wide
Rump angle	104	ascending	sloped
Thurl position	107	in the back	in the centre
Hock angularity	95	straight	sickled
Hock develop.	93	swollen	dry
Pasterns	112	weak	strong
Foot angle	117	low angles	steep angles
Fore udder length	117	short	long
Rear udder width	114	narrow	wide
Rear udder height	107	low	high
Susp. ligament	100	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	112	loose	tight
Udder balance	104	staged	inclined
Teat length	94	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Vasary

HBNr. 10/345905
LOM DE 09 52589079
Born 02.07.2017

aAa **516342**

VASSLI — VASIR / BOUNTY
ELENA 5/4 9067 4.42 401 3.78 343 — **JULENG** EVITA 6/6 8142 4.61 376 3.75 306 — **HUCOS**

Type	Butterfat	Milking speed

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 120** 68%

MILK PERFORMANCE **MI 121** 65%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+635	+0,15	+39	-0,01	+22

BEEF PERFORMANCE **BI 107** 60%

Daily net gain	Carcass percentage	Carcass grade
107	101	106

FUNCTIONAL TRAITS **FIT 105** 68%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
117	108	95	102	106	100	110	95	119

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**117**		
Rump	**119**		
Feet & Legs	**112**		
Udder	**115**		
Final Score	**118**		
Muscling	115	light	heavy
Height at cross	115	small	large
Chest width	118	shallow	deep
Body depth	122	shallow	deep
Backline	89	weak	strong
Rump length	125	short	long
Rump width	110	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	115	in the back	in the centre
Hock angularity	97	straight	sickled
Hock develop.	97	swollen	dry
Pasterns	108	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	109	short	long
Rear udder width	97	narrow	wide
Rear udder height	99	low	high
Susp. ligament	108	weak	strong
Udder depth	110	deep	shallow
Fore udder att.	116	loose	tight
Udder balance	118	staged	inclined
Teat length	99	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	108	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Dixiboy

HBNr. 10/608740
LOM AT 346.666.368
Born 29.09.2017

aAa **264153**

DAREDEVIL — BRADY / DIXILAND

FEUER 2/1 6624 4.21 279 3.80 252 — **SALOMON** / FUNKE 7/6 7293 3.78 276 3.23 236 — **VIGOR**

Type	Milk	Udder composite

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 119** 66%

MILK PERFORMANCE **MI 119** 63%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+831	-0,15	+22	+0,00	+30

BEEF PERFORMANCE **BI 110** 51%

Daily net gain	Carcass percentage	Carcass grade
112	102	102

FUNCTIONAL TRAITS **FIT 104** 65%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
95	109	106	108	106	105	96	87	119

Feuer, dam of Dixiboy

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**116**		
Rump	**102**		
Feet & Legs	**114**		
Udder	**121**		
Final Score	**124**		
Muscling	88	light	heavy
Height at cross	120	small	large
Chest width	102	shallow	deep
Body depth	105	shallow	deep
Backline	104	weak	strong
Rump length	110	short	long
Rump width	96	narrow	wide
Rump angle	91	ascending	sloped
Thurl position	93	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	109	swollen	dry
Pasterns	109	weak	strong
Foot angle	103	low angles	steep angles
Fore udder length	113	short	long
Rear udder width	108	narrow	wide
Rear udder height	127	low	high
Susp. ligament	107	weak	strong
Udder depth	123	deep	shallow
Fore udder att.	122	loose	tight
Udder balance	111	staged	inclined
Teat length	99	short	long
Teat thickness	86	thin	thick
Teat placem. (front)	107	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	102	add. teats	clean udder

Captain

HBNr. 10/346085
LOM DE 09 53238533
Born 14.02.2018

CADENCE — BROOKINGS / BUFFY

USCHI 3/2 8937 3.87 346 3.89 348 — **AG VERDI** / UTE 4/4 9777 3.59 351 3.56 348 — **GS HUXOY**

Type	Components	Udder health

A1A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 119** 70%

MILK PERFORMANCE **MI 120** 68%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+481	+0,07	+26	+0,13	+28

BEEF PERFORMANCE **BI 87** 61%

Daily net gain	Carcass percentage	Carcass grade
95	87	79

FUNCTIONAL TRAITS **FIT 105** 70%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
103	109	106	102	99	100	106	93	109

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**116**		
Rump	**117**		
Feet & Legs	**102**		
Udder	**115**		
Final Score	**117**		
Muscling	99	light	heavy
Height at cross	107	small	large
Chest width	108	shallow	deep
Body depth	115	shallow	deep
Backline	105	weak	strong
Rump length	103	short	long
Rump width	109	narrow	wide
Rump angle	96	ascending	sloped
Thurl position	108	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	87	swollen	dry
Pasterns	99	weak	strong
Foot angle	99	low angles	steep angles
Fore udder length	112	short	long
Rear udder width	122	narrow	wide
Rear udder height	115	low	high
Susp. ligament	117	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	106	loose	tight
Udder balance	98	staged	inclined
Teat length	111	short	long
Teat thickness	115	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	103	outwards	inwards
Udder cleanness	104	add. teats	clean udder

genomic

Bisto

HBNr. 10/435297
LOM DE 08 16365819
Born 18.02.2016

aAa **342651**

BIVER — BLOOMING BEST
FORTEAS 5/5 10374 4.29 445 3.30 342 — **EASTON** FRANCE 8/8 8177 4.27 349 3.23 264 — **PRONTO**

Type **Components** **Udder composite**

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 115** 72%

MILK PERFORMANCE **MI 121** 68%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+692	+0,05	+33	+0,02	+27

BEEF PERFORMANCE **BI 99** 81%

Daily net gain	Carcass percentage	Carcass grade
107	96	79

FUNCTIONAL TRAITS **FIT 92** 72%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
98	98	102	98	98	92	88	92	108

Forteas, dam of Bisto

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**124**		
Rump	**119**		
Feet & Legs	**108**		
Udder	**116**		
Final Score	**123**		
Muscling	99	light	heavy
Height at cross	122	small	large
Chest width	115	shallow	deep
Body depth	123	shallow	deep
Backline	108	weak	strong
Rump length	114	short	long
Rump width	107	narrow	wide
Rump angle	110	ascending	sloped
Thurl position	117	in the back	in the centre
Hock angularity	88	straight	sickled
Hock develop.	88	swollen	dry
Pasterns	111	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	122	short	long
Rear udder width	114	narrow	wide
Rear udder height	108	low	high
Susp. ligament	106	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	111	staged	inclined
Teat length	95	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	109	wide	close
Teat placem. (rear)	103	wide	close
Teat direction (rear)	93	outwards	inwards
Udder cleanness	101	add. teats	clean udder

Django

HBNr. 10/356880
LOM DE 09 53814049
Born 30.06.2018

aAa **612453**

DYNAMITE — CADENCE DELIGHT
FLORA 1/1 8427 4.25 358 3.44 290 — **AG VOX** FLOCKI 2/2 10939 4.28 468 3.57 391 — **WONDERMENT**

Type **Components** **Udder composite**

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 114** 65%

MILK PERFORMANCE **MI 117** 63%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+525	+0,03	+25	+0,04	+23

BEEF PERFORMANCE **BI 93** 56%

Daily net gain	Carcass percentage	Carcass grade
103	86	76

FUNCTIONAL TRAITS **FIT 97** 65%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
113	103	91	97	105	100	98	102	108

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**122**		
Rump	**109**		
Feet & Legs	**116**		
Udder	**118**		
Final Score	**122**		
Muscling	82	light	heavy
Height at cross	126	small	large
Chest width	103	shallow	deep
Body depth	116	shallow	deep
Backline	108	weak	strong
Rump length	116	short	long
Rump width	115	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	93	in the back	in the centre
Hock angularity	93	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	112	weak	strong
Foot angle	113	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	121	narrow	wide
Rear udder height	127	low	high
Susp. ligament	103	weak	strong
Udder depth	105	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	102	staged	inclined
Teat length	95	short	long
Teat thickness	100	thin	thick
Teat placem. (front)	110	wide	close
Teat placem. (rear)	104	wide	close
Teat direction (rear)	93	outwards	inwards
Udder cleanness	104	add. teats	clean udder

Veles Pp*

HBNr. 10/346640
LOM DE 09 54182706
Born 20.10.2018

VIDAL P*S
- AG VIPER Pp*
- PAULI

1413
1/1 12296 3.96 487 3.38 416
- **AG VOBIS**
  - MONICE
  - 7/7 11667 4.05 472 3.62 422
- **JUPAZ**

Milk	Fitness	Feet & Legs

1413, dam of Veles Pp

A1A2

AB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 125** 61%

MILK PERFORMANCE **MI 118** 59%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+701	-0,05	+25	+0,00	+25

BEEF PERFORMANCE **BI 96** 48%

Daily net gain	Carcass percentage	Carcass grade
99	95	93

FUNCTIONAL TRAITS **FIT 114** 60%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
92	110	105	114	100	107	100	115	126

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**107**		
Rump	**101**		
Feet & Legs	**117**		
Udder	**113**		
Final Score	**114**		
Muscling	100	light	heavy
Height at cross	113	small	large
Chest width	103	shallow	deep
Body depth	103	shallow	deep
Backline	101	weak	strong
Rump length	111	short	long
Rump width	107	narrow	wide
Rump angle	95	ascending	sloped
Thurl position	99	in the back	in the centre
Hock angularity	102	straight	sickled
Hock develop.	113	swollen	dry
Pasterns	109	weak	strong
Foot angle	107	low angles	steep angles
Fore udder length	120	short	long
Rear udder width	107	narrow	wide
Rear udder height	102	low	high
Susp. ligament	100	weak	strong
Udder depth	105	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	101	staged	inclined
Teat length	98	short	long
Teat thickness	102	thin	thick
Teat placem. (front)	111	wide	close
Teat placem. (rear)	110	wide	close
Teat direction (rear)	106	outwards	inwards
Udder cleanness	101	add. teats	clean udder

David Pp*

HBNr. 10/346210
LOM DE 09 51636063
Born 24.12.2016

aAa **234165**

DANE
- CADENCE
- ALIBABA DAVO

PALIDA
3/2 8030 4.25 342 3.62 291
- **VIVID**
  - PALME Pp
  - 9/9 8066 4.32 348 3.85 311
- **SAMAR Pp**

Milk	Rumps	Vitality

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 123** 71%

MILK PERFORMANCE **MI 119** 68%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+615	+0,01	+27	+0,06	+27

BEEF PERFORMANCE **BI 91** 59%

Daily net gain	Carcass percentage	Carcass grade
96	91	85

FUNCTIONAL TRAITS **FIT 110** 69%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
101	106	115	107	103	101	101	116	118

Palida, dam of David Pp

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**105**		
Rump	**113**		
Feet & Legs	**107**		
Udder	**110**		
Final Score	**109**		
Muscling	89	light	heavy
Height at cross	102	small	large
Chest width	99	shallow	deep
Body depth	104	shallow	deep
Backline	98	weak	strong
Rump length	104	short	long
Rump width	91	narrow	wide
Rump angle	111	ascending	sloped
Thurl position	112	in the back	in the centre
Hock angularity	91	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	103	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	115	short	long
Rear udder width	116	narrow	wide
Rear udder height	105	low	high
Susp. ligament	90	weak	strong
Udder depth	99	deep	shallow
Fore udder att.	108	loose	tight
Udder balance	102	staged	inclined
Teat length	92	short	long
Teat thickness	105	thin	thick
Teat placem. (front)	101	wide	close
Teat placem. (rear)	87	wide	close
Teat direction (rear)	94	outwards	inwards
Udder cleanness	96	add. teats	clean udder

polled

polled

Visor P*S

HBNr. 10/345735
LOM DE 09 50731351
Born 03.04.2016

aAa **615243**

AG VIPER Pp*
- AG VANPARI
- HELLO Pp

BONITA
6/5 12457 3.78 471 3.70 460
- **GS HUXOY**
  - **HURAY**
  - BORA
- 5/4 11669 3.94 460 3.89 455

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

A1A1

AB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 120** 69%

MILK PERFORMANCE **MI 114** 65%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+313	+0,10	+21	+0,08	+18

BEEF PERFORMANCE **BI 105** 61%

Daily net gain	Carcass percentage	Carcass grade
105	106	101

FUNCTIONAL TRAITS **FIT 113** 68%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
93	108	104	109	94	107	110	109	120

Bonita, dam of Visor Pp

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**100**		
Rump	**102**		
Feet & Legs	**107**		
Udder	**110**		
Final Score	**106**		
Muscling	109	light	heavy
Height at cross	99	small	large
Chest width	97	shallow	deep
Body depth	99	shallow	deep
Backline	98	weak	strong
Rump length	98	short	long
Rump width	99	narrow	wide
Rump angle	100	ascending	sloped
Thurl position	98	in the back	in the centre
Hock angularity	92	straight	sickled
Hock develop.	95	swollen	dry
Pasterns	103	weak	strong
Foot angle	101	low angles	steep angles
Fore udder length	110	short	long
Rear udder width	109	narrow	wide
Rear udder height	106	low	high
Susp. ligament	96	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	109	loose	tight
Udder balance	100	staged	inclined
Teat length	91	short	long
Teat thickness	96	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	99	outwards	inwards
Udder cleanness	107	add. teats	clean udder

Vindus Pp*

HBNr. 10/346730
LOM DE 09 54384357
Born 02.03.2019

VIPRO Pp*
- AG VIPER Pp*
- MAUSI

VRONIS
3/3 10220 3.69 377 3.54 362
- **AG POINT**
  - **HURAY**
  - VRONI
- 4/3 8524 3.97 338 3.74 318

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

Vronis, dam of Vindus Pp, 3rd lac.

A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 120** 62%

MILK PERFORMANCE **MI 118** 59%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+586	+0,02	+26	+0,02	+23

BEEF PERFORMANCE **BI 96** 51%

Daily net gain	Carcass percentage	Carcass grade
100	97	85

FUNCTIONAL TRAITS **FIT 107** 62%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
109	110	101	108	89	107	96	100	123

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**110**		
Rump	**109**		
Feet & Legs	**126**		
Udder	**122**		
Final Score	**122**		
Muscling	95	light	heavy
Height at cross	113	small	large
Chest width	104	shallow	deep
Body depth	115	shallow	deep
Backline	109	weak	strong
Rump length	110	short	long
Rump width	101	narrow	wide
Rump angle	106	ascending	sloped
Thurl position	106	in the back	in the centre
Hock angularity	88	straight	sickled
Hock develop.	106	swollen	dry
Pasterns	122	weak	strong
Foot angle	118	low angles	steep angles
Fore udder length	111	short	long
Rear udder width	111	narrow	wide
Rear udder height	114	low	high
Susp. ligament	109	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	112	loose	tight
Udder balance	102	staged	inclined
Teat length	93	short	long
Teat thickness	85	thin	thick
Teat placem. (front)	108	wide	close
Teat placem. (rear)	109	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	97	add. teats	clean udder

Viply P*S

HBNr. 10/346240
LOM DE 09 52009981
Born 19.01.2017

AG VIPER Pp*
- AG VANPARI
- HELLO Pp

BELLA
4/4 10662 4.25 454 3.63 387
- **HURAY**
  - BIANKA
  - 4/4 9230 4.52 418 3.50 324
- **VASIR**

Udder composite | **Components** | **Fertility**

A1A2

AA

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 119** 71%

MILK PERFORMANCE **MI 118** 68%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+271	+0,34	+38	+0,09	+17

BEEF PERFORMANCE **BI 101** 62%

Daily net gain	Carcass percentage	Carcass grade
100	100	105

FUNCTIONAL TRAITS **FIT 107** 71%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
90	107	95	103	105	106	114	99	117

Bella, dam of Viply PS

LINEAR DESCRIPTION

Trait	Index	Trend
Frame	**108**	
Rump	**103**	
Feet & Legs	**106**	
Udder	**112**	
Final Score	**108**	
Muscling	96	light – heavy
Height at cross	108	small – large
Chest width	95	shallow – deep
Body depth	107	shallow – deep
Backline	110	weak – strong
Rump length	105	short – long
Rump width	90	narrow – wide
Rump angle	100	ascending – sloped
Thurl position	100	in the back – in the centre
Hock angularity	99	straight – sickled
Hock develop.	99	swollen – dry
Pasterns	102	weak – strong
Foot angle	109	low angles – steep angles
Fore udder length	111	short – long
Rear udder width	111	narrow – wide
Rear udder height	109	low – high
Susp. ligament	98	weak – strong
Udder depth	103	deep – shallow
Fore udder att.	104	loose – tight
Udder balance	90	staged – inclined
Teat length	90	short – long
Teat thickness	94	thin – thick
Teat placem. (front)	106	wide – close
Teat placem. (rear)	106	wide – close
Teat direction (rear)	106	outwards – inwards
Udder cleanness	105	add. teats – clean udder

Viray Pp*

HBNr. 10/356870
LOM DE 09 53809332
Born 02.07.2018

aAa **612543**

VIPRO Pp*
- AG VIPER Pp*
- MAUSI

OKER
7/7 8385 3.97 333 3.51 294
- **HURAY**
  - ODER
  - 10/10 8598 4.11 353 3.40 293
- **HUCOS**

Milk | **Feet & legs** | **Components**

A2A2

BB

genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 119** 61%

MILK PERFORMANCE **MI 120** 58%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+597	+0,03	+28	+0,05	+26

BEEF PERFORMANCE **BI 106** 49%

Daily net gain	Carcass percentage	Carcass grade
108	102	98

FUNCTIONAL TRAITS **FIT 103** 61%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
106	102	99	104	92	103	98	103	113

LINEAR DESCRIPTION

Trait	Index	Trend
Frame	**101**	
Rump	**104**	
Feet & Legs	**113**	
Udder	**106**	
Final Score	**109**	
Muscling	95	light – heavy
Height at cross	105	small – large
Chest width	92	shallow – deep
Body depth	99	shallow – deep
Backline	113	weak – strong
Rump length	102	short – long
Rump width	91	narrow – wide
Rump angle	102	ascending – sloped
Thurl position	107	in the back – in the centre
Hock angularity	96	straight – sickled
Hock develop.	113	swollen – dry
Pasterns	102	weak – strong
Foot angle	95	low angles – steep angles
Fore udder length	109	short – long
Rear udder width	104	narrow – wide
Rear udder height	108	low – high
Susp. ligament	91	weak – strong
Udder depth	101	deep – shallow
Fore udder att.	104	loose – tight
Udder balance	102	staged – inclined
Teat length	112	short – long
Teat thickness	90	thin – thick
Teat placem. (front)	102	wide – close
Teat placem. (rear)	98	wide – close
Teat direction (rear)	93	outwards – inwards
Udder cleanness	106	add. teats – clean udder

polled

polled

Caleidos Pp*

HBNr. 10/346265
LOM DE 09 53910012
Born 02.04.2019

CADENCE — BROOKINGS / BUFFY

EVITA — **AG VIPER Pp*** / ELLA — **HEGALL**

1/1 7939 4.26 338 3.45 274

4/4 9551 4.60 439 3.80 363

Components **Udder health** **Udder composite**

A2A2

AB

genomic

TOTAL MERIT INDEX (Proof: April 2020)	TMI 118 67%

MILK PERFORMANCE	MI 114 66%			
milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+424	+0,03	+20	+0,04	+19

BEEF PERFORMANCE	BI 96 59%	
Daily net gain	Carcass percentage	Carcass grade
102	85	92

FUNCTIONAL TRAITS								FIT 108 67%
				Calving ease				
MS	UH	Pers	PL	pat	mat	Fert	VIT	ETMI
106	114	98	105	107	110	101	107	115

Evita, dam of Caleidos Pp

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**106**		
Rump	**108**		
Feet & Legs	**102**		
Udder	**108**		
Final Score	**107**		
Muscling	100	light	heavy
Height at cross	100	small	large
Chest width	106	shallow	deep
Body depth	102	shallow	deep
Backline	111	weak	strong
Rump length	102	short	long
Rump width	105	narrow	wide
Rump angle	93	ascending	sloped
Thurl position	96	in the back	in the centre
Hock angularity	96	straight	sickled
Hock develop.	96	swollen	dry
Pasterns	101	weak	strong
Foot angle	97	low angles	steep angles
Fore udder length	107	short	long
Rear udder width	112	narrow	wide
Rear udder height	98	low	high
Susp. ligament	106	weak	strong
Udder depth	102	deep	shallow
Fore udder att.	105	loose	tight
Udder balance	87	staged	inclined
Teat length	86	short	long
Teat thickness	94	thin	thick
Teat placem. (front)	100	wide	close
Teat placem. (rear)	106	wide	close
Teat direction (rear)	108	outwards	inwards
Udder cleanness	100	add. teats	clean udder

Vespa P*S

HBNr. 10/345185
LOM DE 09 47985444
Born 07.02.2014

aAa **564132**

VALIANT Pp* — VASIR / ODESSA

KOBRA — **HACKER** / LOLLI — **ETRUSKER**

5/4 8373 3.78 316 3.53 295

5/5 9273 3.84 356 3.42 317

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

A1A2

AA

progeny tested

TOTAL MERIT INDEX (Proof: April 2020)	TMI 117 85%

MILK PERFORMANCE (D: 104, H: 88)	MI 118 91%			
milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+853	+0,00	+36	-0,13	+20

BEEF PERFORMANCE	BI 106 76%	
Daily net gain	Carcass percentage	Carcass grade
106	105	102

FUNCTIONAL TRAITS								FIT 100 78%
				Calving ease				
MS	UH	Pers	PL	pat	mat	Fert	VIT	ETMI
123	97	98	101	96	98	101	106	111

Hertha Pp, daughter of Vespa PS

LINEAR DESCRIPTION 57 DAUGHTERS

Trait	Index	Trend	Trend
Frame	**99**		
Rump	**90**		
Feet & Legs	**109**		
Udder	**110**		
Final Score	**105**		
Muscling	85	light	heavy
Height at cross	106	small	large
Chest width	97	shallow	deep
Body depth	99	shallow	deep
Backline	77	weak	strong
Rump length	101	short	long
Rump width	97	narrow	wide
Rump angle	86	ascending	sloped
Thurl position	95	in the back	in the centre
Hock angularity	94	straight	sickled
Hock develop.	105	swollen	dry
Pasterns	102	weak	strong
Foot angle	105	low angles	steep angles
Fore udder length	113	short	long
Rear udder width	100	narrow	wide
Rear udder height	111	low	high
Susp. ligament	97	weak	strong
Udder depth	103	deep	shallow
Fore udder att.	98	loose	tight
Udder balance	97	staged	inclined
Teat length	84	short	long
Teat thickness	90	thin	thick
Teat placem. (front)	91	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	102	outwards	inwards
Udder cleanness	87	add. teats	clean udder

Coutinho Pp*

HBNr. 10/346600
LOM DE 09 53396673
Born 23.09.2018

CADENCE — BROOKINGS / BUFFY
EREPIA Pp 4/4 11493 3.55 408 3.92 450 — **GS HUXOY** / ERE 5/4 9441 4.30 406 3.88 366 — **RENDOS Pp**

Udder composite | **Frame** | **Milking speed**

A1A2
AB
genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 111** 68%

MILK PERFORMANCE **MI 110** 66%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+324	-0,01	+13	+0,04	+15

BEEF PERFORMANCE **BI 82** 59%

Daily net gain	Carcass percentage	Carcass grade
93	80	72

FUNCTIONAL TRAITS **FIT 104** 67%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
114	108	97	106	106	100	99	98	109

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**117**		
Rump	**108**		
Feet & Legs	**108**		
Udder	**118**		
Final Score	**118**		
Muscling	99	light	heavy
Height at cross	113	small	large
Chest width	102	shallow	deep
Body depth	118	shallow	deep
Backline	105	weak	strong
Rump length	103	short	long
Rump width	104	narrow	wide
Rump angle	98	ascending	sloped
Thurl position	104	in the back	in the centre
Hock angularity	87	straight	sickled
Hock develop.	101	swollen	dry
Pasterns	99	weak	strong
Foot angle	106	low angles	steep angles
Fore udder length	101	short	long
Rear udder width	113	narrow	wide
Rear udder height	105	low	high
Susp. ligament	111	weak	strong
Udder depth	106	deep	shallow
Fore udder att.	113	loose	tight
Udder balance	91	staged	inclined
Teat length	96	short	long
Teat thickness	83	thin	thick
Teat placem. (front)	105	wide	close
Teat placem. (rear)	101	wide	close
Teat direction (rear)	109	outwards	inwards
Udder cleanness	94	add. teats	clean udder

Vinland PP*

HBNr. 10/345605
LOM DE 09 51098306
Born 08.10.2015

aAa **423651**

VIKING Pp* — VIGORAY / HARMONI
NESSI 4/3 6657 4.61 307 3.67 244 — **EMSLAND PS** / NASTIA 6/6 5911 4.70 278 3.52 208 — **PLAYER**

Longevity | **Type** | **Fertility**

A2A2
BB
genomic

TOTAL MERIT INDEX (Proof: April 2020) **TMI 104** 67%

MILK PERFORMANCE **MI 98** 64%

milk-kg	fat-%	fat-kg	prot.-%	prot.-kg
+136	-0,13	-4	-0,07	-1

BEEF PERFORMANCE **BI 116** 61%

Daily net gain	Carcass percentage	Carcass grade
109	113	126

FUNCTIONAL TRAITS **FIT 113** 65%

MS	UH	Pers	PL	Calving ease pat	Calving ease mat	Fert	VIT	ETMI
101	100	102	115	97	96	116	95	117

Helene, Half sister to Vinland PP

LINEAR DESCRIPTION

Trait	Index	Trend	Trend
Frame	**108**		
Rump	**120**		
Feet & Legs	**114**		
Udder	**123**		
Final Score	**119**		
Muscling	115	light	heavy
Height at cross	98	small	large
Chest width	111	shallow	deep
Body depth	107	shallow	deep
Backline	102	weak	strong
Rump length	99	short	long
Rump width	108	narrow	wide
Rump angle	113	ascending	sloped
Thurl position	118	in the back	in the centre
Hock angularity	85	straight	sickled
Hock develop.	89	swollen	dry
Pasterns	111	weak	strong
Foot angle	108	low angles	steep angles
Fore udder length	103	short	long
Rear udder width	109	narrow	wide
Rear udder height	113	low	high
Susp. ligament	98	weak	strong
Udder depth	112	deep	shallow
Fore udder att.	112	loose	tight
Udder balance	125	staged	inclined
Teat length	86	short	long
Teat thickness	99	thin	thick
Teat placem. (front)	103	wide	close
Teat placem. (rear)	100	wide	close
Teat direction (rear)	110	outwards	inwards
Udder cleanness	108	add. teats	clean udder

polled

ZEICHENERKLÄRUNG

Name, HBNr.: Herdbuchnummer, LOM: Lebensohrmarkennummer, Born: Geburtsdatum,
GF: BH2, **A2A2, A1A2, A2A2**: Beta Kasein; **AA, AB, BB**: Kappa-Kasein; **P, Pp, PP, PS**: Hornlosstatus
(weitere Informationen auf www.ggi-spermex.de)

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	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, HBNr.: numéro de herdbook; LOM: numéro d'oreille, Born: date de naissance
GF: BH2 (haplotype des Brunes)
A2A2, A1A2, A2A2: Beta Caséine; **P, Pp, PP, PS**: sans cornes (Vous trouverez de plus amples informations sous www.ggi-spermex.de)

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	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

EXPLANATION OF SYMBOLS

Name, HBNr.: herdbook number; LOM: eartag number, Born: date of birth
GF: BH2 (Braunvieh haplotype 2) **A2A2, A1A2, A2A2:** Beta Casein; **AA, AB, BB**: Cappa Casein **P, Pp, PP, PS**: polled status (further information on www.ggi-spermex.de)

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

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

aAa: código aAa, **GF:** BH2 Brown Swiss haplotipo 2

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, Reliability: fiabilidad en

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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HOLSTEIN


RED HOLSTEIN


ANGLER


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RANKED BY MAIN BREEDING GOALS

Top-10

TOTAL MERIT INDEX

		TMI	p.
progeny tested	Husold	137	8
	Veteran	128	8
	Amor	127	9
	Vanpari	126	9
	Verdi	125	10
genomic	Ajax	131	28
	Canyon	131	28
	Vassri	130	29
	Catman	129	29
	Vaselino	129	30

MILK INDEX

		MI	p.
progeny tested	Hercules	126	11
	Vivida	122	24
	Casino	122	18
	Vintage	121	15
	Amor	120	9
genomic	Vassri	127	29
	Bison	127	32
	Vaselino	126	30
	Valid	126	31
	Piano	125	32

MILK KG

		milk-kg	p.
progeny tested	Hercules	+1266	11
	Amor	+1076	9
	Anibay	+995	13
	Janosch	+958	17
	Husold	+920	8
genomic	Catman	+1375	29
	Vollmilch	+1254	44
	Vassri	+1157	29
	Semper	+1153	36
	Hochgrat	+1143	34

PROTEIN %

		p.%	p.
progeny tested	Veteran	+0.25	8
	Verdi	+0.19	10
	Hebron	+0.12	11
	Harvard	+0.12	22
	Jucator	+0.11	19
genomic	Captain	+0.13	45
	Dorian	+0.10	35
	Bison	+0.09	32
	Viply PS	+0.09	49
	Visor P*S	+0.08	48

FITNESS

		FIT	p.
progeny tested	Husold	124	8
	Veteran	120	8
	Hacker	117	23
	Vermunt	116	17
	Brilliant	115	13
genomic	Versailles	129	30
	Canyon	128	28
	Dorian	121	35
	Sansibar	120	34
	Alexey	120	33

CALVING EASE

		Cp	p.
progeny tested	Glarus	116	25
	Hacker	111	23
	Jucator	110	19
	Casino	108	18
	Cadura	107	14

UDDER QUALITY

		U	p.
progeny tested	Jucator	131	19
	Vinland PP	123	51
	Vavigo	121	15
	Harrison	121	21
	Payssli	120	26
genomic	Asimov	133	43
	Antonov	128	33
	Casanova	127	41
	Alexey	126	33
	Andaman	126	31

FEET & LEGS

		F&L	p.
progeny tested	Viala	119	24
	Brilliant	118	13
	Hacker	117	23
	Hamster	116	22
	Harvard	115	22
genomic	Vindus Pp	126	48
	Andaman	120	31
	Antonov	119	33
	Alexey	117	33
	Veles Pp	117	47

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