

Sire Directory 2014



VIKINGHOLSTEIN[®]

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Adding value every day

VikingHolstein Cows sired by VikingGenetics bulls prepare you for an ever more competitive future, combining longevity and production like no other cows. We were the first to focus on important traits like fertility and udder health – a dedication to the farmers’ best interest that has resulted in superior long-term profitability.

VikingGenetics is one of the leading AI companies in the world, covering three countries and export to well above 40 markets annually. VikingGenetics uses genomic selection to select the very highest bull calves and puts 175 Holstein bulls through progeny testing every year. The high participation in milk recording and the unique registration on health and fertility enable an effective selection for cows that are high-yielding and in the same time breed back and stay healthy. In short, our Viking cows give you more output, less trouble and more freedom.



Breed statistics

No. of cows	603,731
Milk, kg	9,477
Fat, kg	387
Fat, %	4.09
Protein, kg	319
Protein, %	3.37
Fat + Protein, kg	706

NTM +31

EBV 2005 +1511 kg Milk +79 kg Fat +64 kg Prot.



Longevity



Easy Calvings



Conformation

VH Grafit



© Elly Geverink

VH Grafit is our number one proven bull with NTM +31. The daughters are very productive with lot of milk and excellent components. Already now there are more than 800 daughters in his production because the bull was heavily used as a genomic sire. This makes the bull very reliable!



HOL 253217

S B Goldwyn

MGS Oman Justi

MGGs BW Marshal

KappaCasein AB



© Elly Geverink

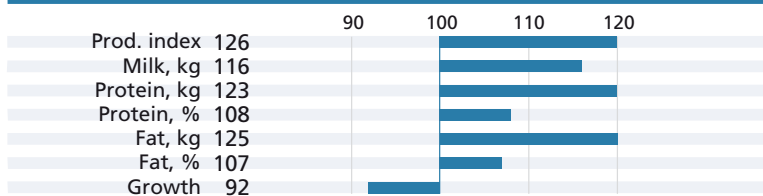


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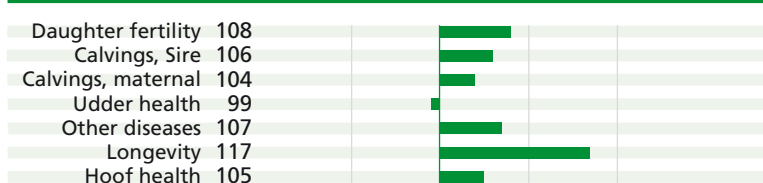


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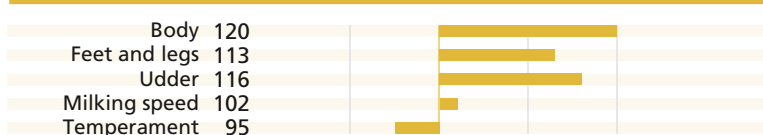
PRODUCTION TRAITS NO. OF DTRS 822



HEALTH TRAITS NO. OF DTRS 301



CONFORMATION TRAITS NO. OF DTRS 218



NTM +27

EBV 2005 +489 kg Milk +62 kg Fat +43 kg Prot.



Longevity

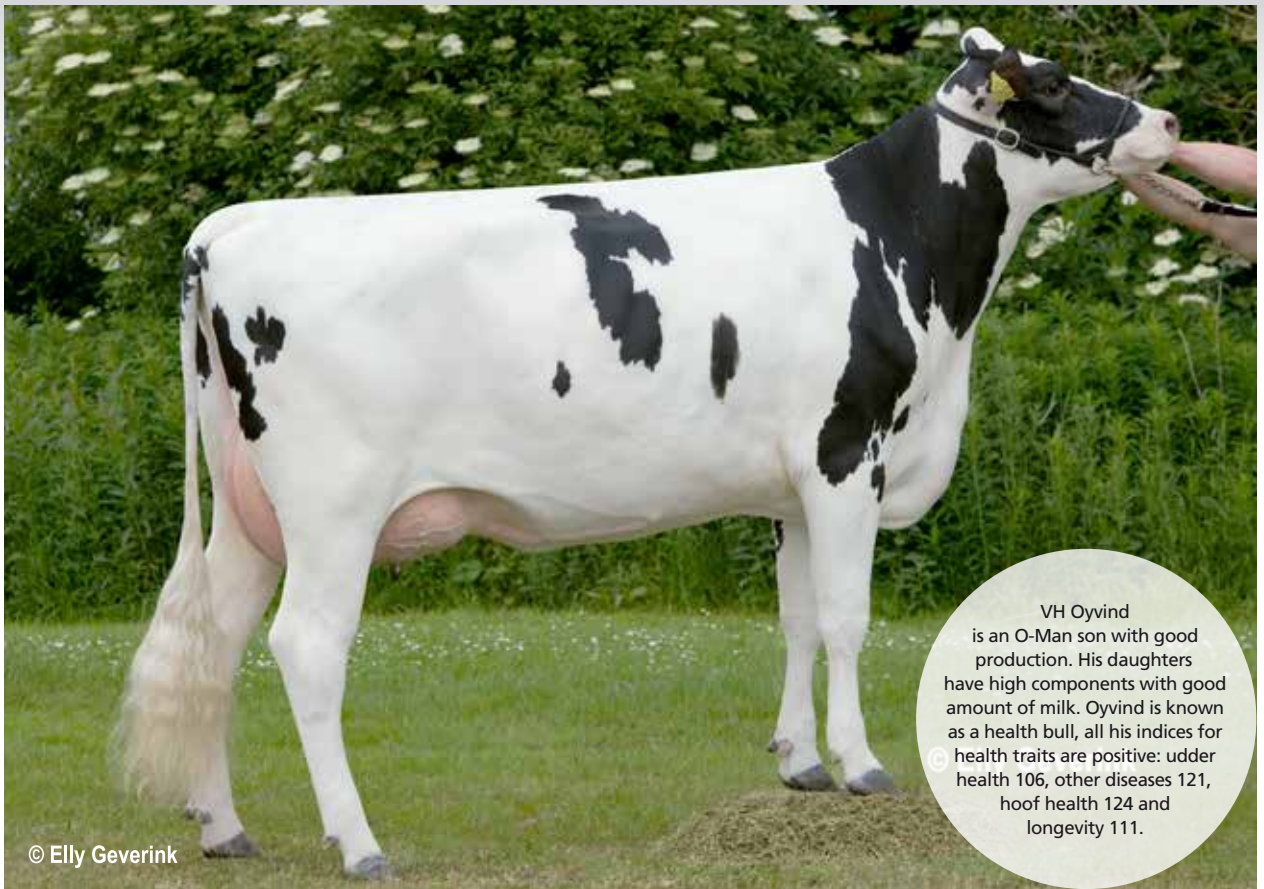


Hoof Health



Components

VH Oyvind



© Elly Geverink

VH Oyvind is an O-Man son with good production. His daughters have high components with good amount of milk. Oyvind is known as a health bull, all his indices for health traits are positive: udder health 106, other diseases 121, hoof health 124 and longevity 111.



HOL 252791

S Oman Justi

MGS V Exces

MGGs RGK Bob CV

KappaCasein BB



© Elly Geverink

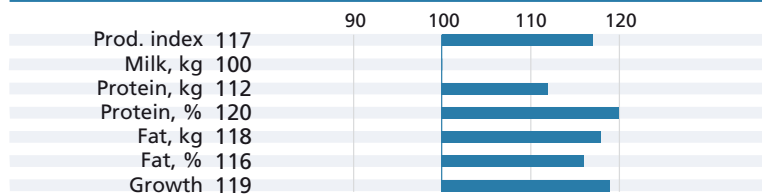


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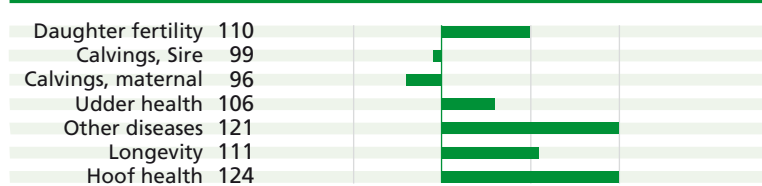


© Elly Geverink

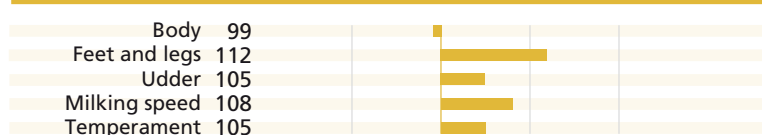
PRODUCTION TRAITS NO. OF DTRS 1048



HEALTH TRAITS NO. OF DTRS 864



CONFORMATION TRAITS NO. OF DTRS 502



NTM +26

EBV 2005 +1812 kg Milk +64 kg Fat +52 kg Prot.



Components



Udder Health

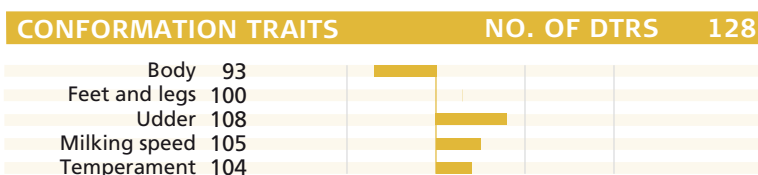
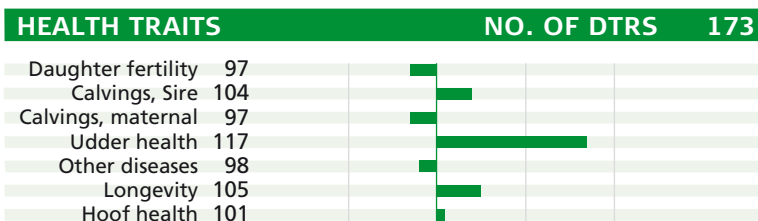
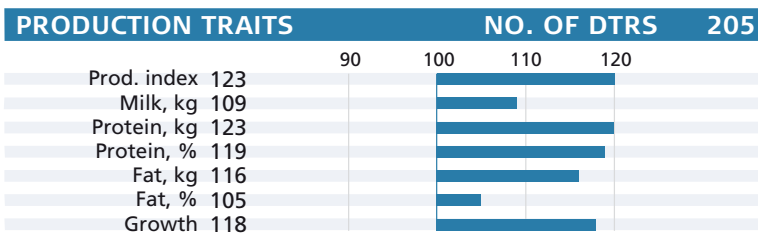


Milk Production

VH Strong



HOL 253208
S Stol Joc
MGS Oman Justi
MGGs D L Aaron



VH Strong originates from the German family Genua – the dam of VH Strong is Tir-An Oman Geneve (VG86). A production level at 123 and the same time udder health at 117 – that is a rare and unique skill to have. He breeds powerful and robust animals that will create profit for the farmer!

NTM +26

EBV 2005 +1445 kg Milk +45 kg Fat +48 kg Prot.



Longevity



Daughter Fertility



Easy Calvings

D Grove



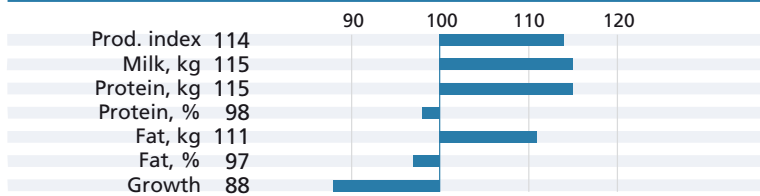
© Elly Geverink



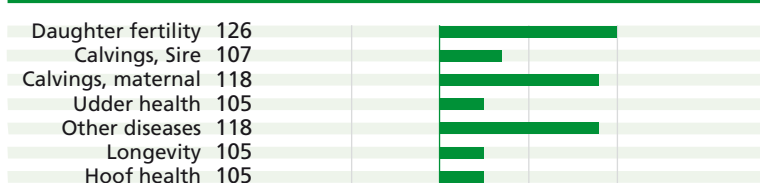
HOL 251010
S V GroovyBL
MGS D Novalis
MGGS HJ Vogd



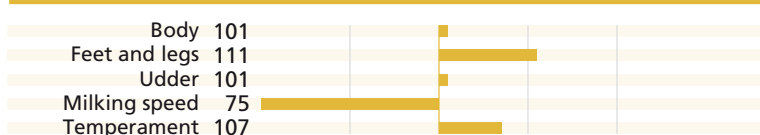
PRODUCTION TRAITS NO. OF DTRS 388



HEALTH TRAITS NO. OF DTRS 364



CONFORMATION TRAITS NO. OF DTRS 209



© Elly Geverink

D Grove one of the highest ranking bulls in the breed based on daughters. D Grove is already used as GenVikPLUS bull and now confirms his superiority also with daughters. Dam is an EX 90 D Novalis – the foundation of a family that brings in several top bulls.

NTM +26

EBV 2005 +1812 kg Milk +64 kg Fat +52 kg Prot.



Components



Daughter Fertility



Udder Health

VH Basten

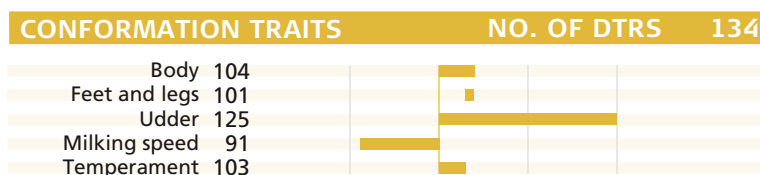
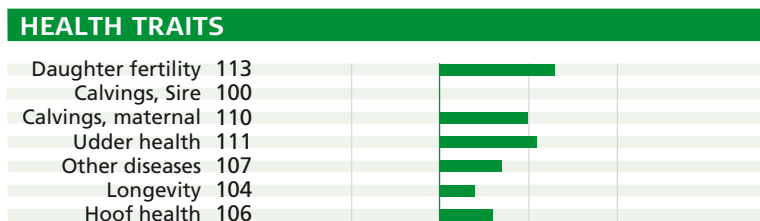
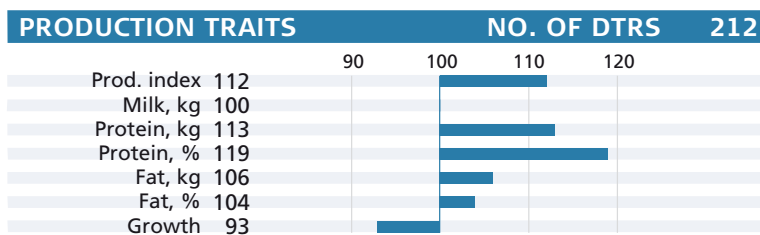


HOL 253139

S D Banker

MGS T Lambada

MGGS T Funkis



VH Basten is the best D Banker son. The dam – a T Lambada cow with 7.4 years production with an average of almost 12,000 kg milk and classified VG87. Essential traits like components, female fertility, udder health and calving ease are all above 110 and at the same time conformation is excellent !

NTM +25

EBV 2005 +1573 kg Milk +67 kg Fat +57 kg Prot.



Longevity

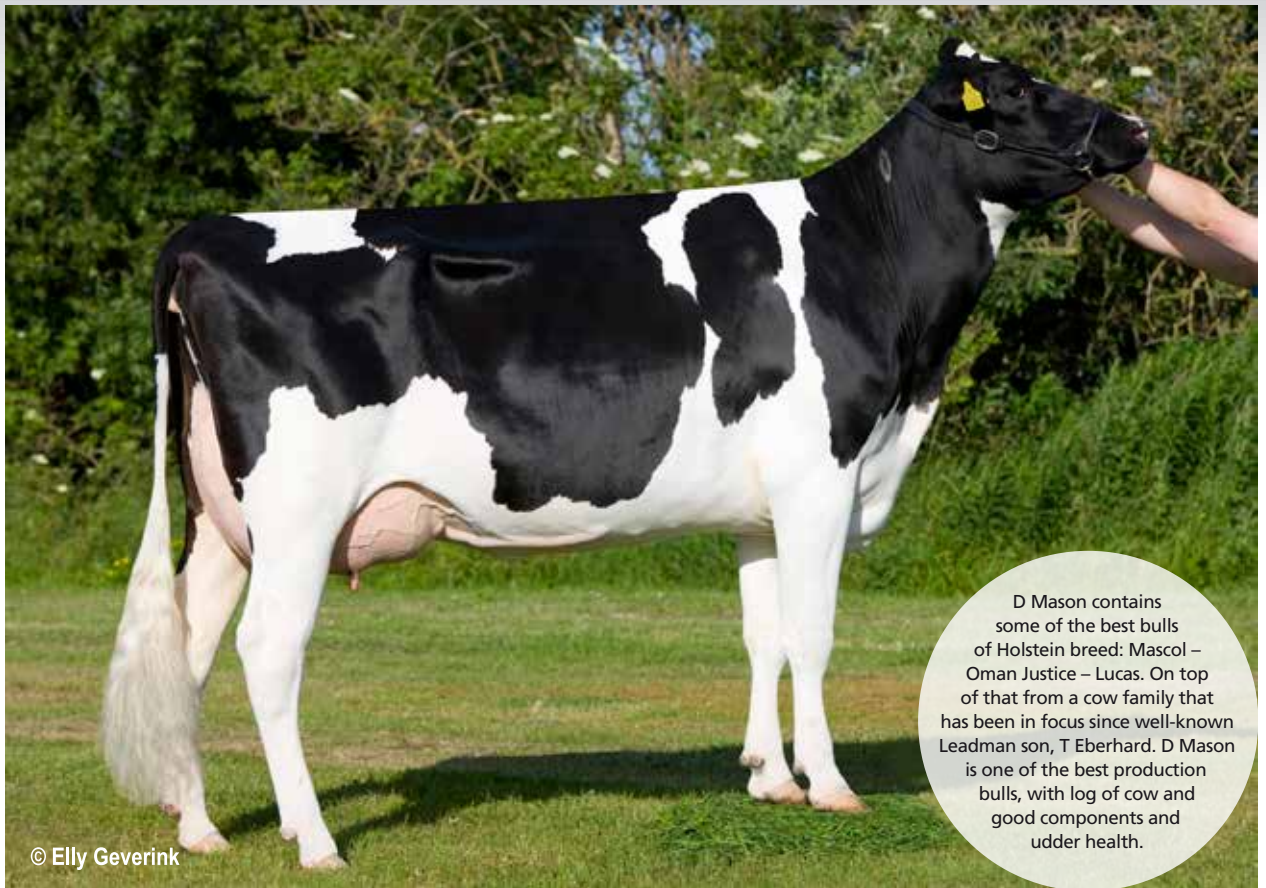


Milk Production



Udder Health

D Mason



© Elly Geverink

D Mason contains some of the best bulls of Holstein breed: Mascol – Oman Justice – Lucas. On top of that from a cow family that has been in focus since well-known Leadman son, T Eberhard. D Mason is one of the best production bulls, with log of cow and good components and udder health.



HOL 251114

S Mascol

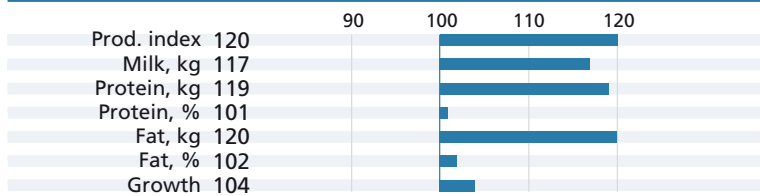
MGS Oman Justi

MGGS Lukas

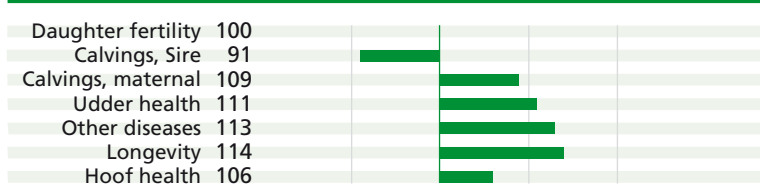
KappaCasein AB



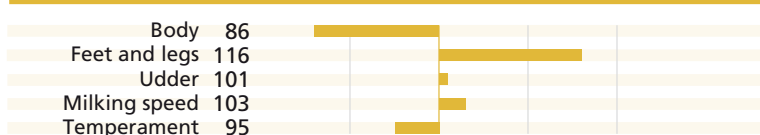
PRODUCTION TRAITS NO. OF DTRS 353



HEALTH TRAITS NO. OF DTRS 334



CONFORMATION TRAITS NO. OF DTRS 222



EBV 2005 +1218 kg Milk +56 kg Fat +60 kg Prot.

NTM +24 VH Max



HOL 253419
S Mascol
MGS Oman Justi
MGGs Luxemburg



Longevity

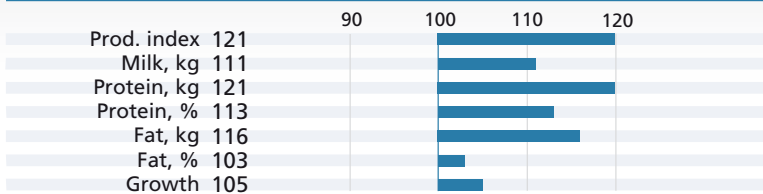


Udder Health

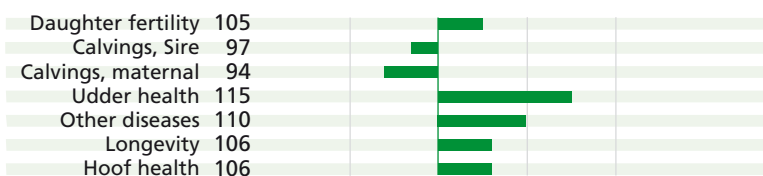


Conformation

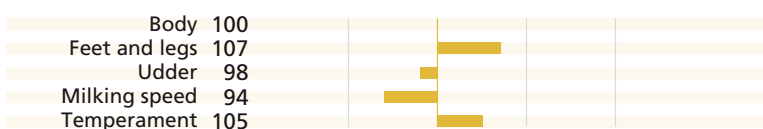
PRODUCTION TRAITS NO. OF DTRS 154



HEALTH TRAITS NO. OF DTRS 146



CONFORMATION TRAITS NO. OF DTRS 78



VH Max is a Mascol son out of an O-Man dam. The daughters of the bull are very productive, both milk production and components are high. The daughters have good health and longevity. Good all-round bull without faults.

EBV 2005 +907 kg Milk +26 kg Fat +33 kg Prot.

NTM +23 VH Black



HOL 253186
S Bobas
MGS Oman Justi
MGGs RGK Bob CV



Longevity

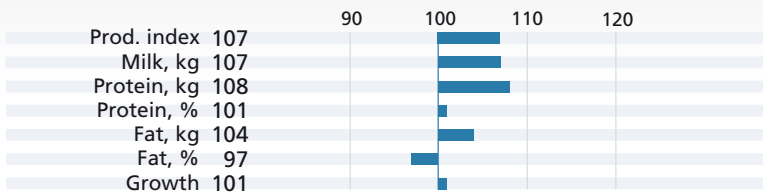


Daughter Fertility

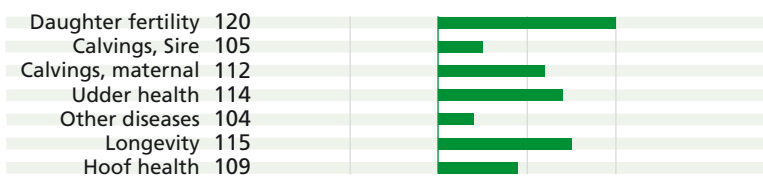


Udder Health

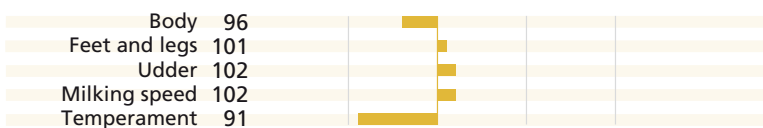
PRODUCTION TRAITS NO. OF DTRS 154



HEALTH TRAITS NO. OF DTRS 204



CONFORMATION TRAITS NO. OF DTRS 78



VH Black is an excellent example of health and fertility: the fertility index is 120 and all the calving traits are positive. Udder health index 114 shows that the daughters have low somatic cell count and much less mastitis than average. Together with good hoof health the daughters have very good longevity too.

NTM +23

EBV 2000 +1290 kg Milk +59 kg Fat +71 kg Prot.



Longevity



Milk Production



Components

D Jul



© Elly Geverink

D Jul is very rare of its kind. This is a true outcross bull – No Oman, Ramos, B Goldwyn, P Shottle in the pedigree, and among the very best based on daughter proof. Do you dare to try something different?



HOL 250423

S S Jordan 3

MGS Riverland

MGGs R Brett

KappaCasein AB



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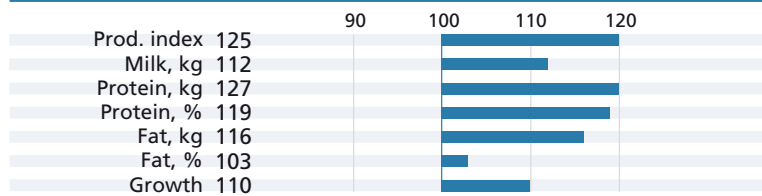


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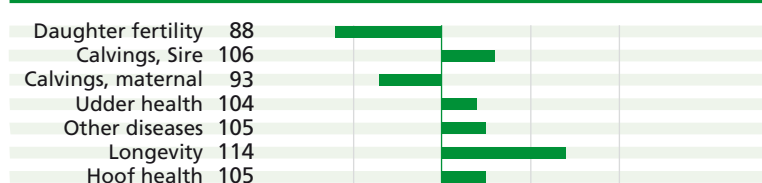


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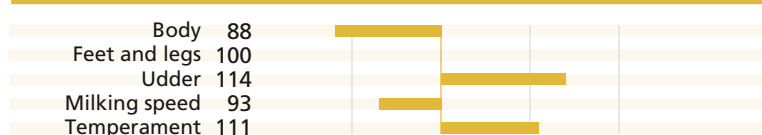
PRODUCTION TRAITS NO. OF DTRS 1133



HEALTH TRAITS NO. OF DTRS 230



CONFORMATION TRAITS NO. OF DTRS 237



NTM +22



EBV 2005 +1119 kg Milk +36 kg Fat +56 kg Prot.



Longevity



Conformation



Total Merit Index

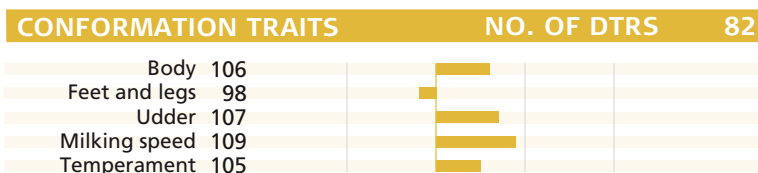
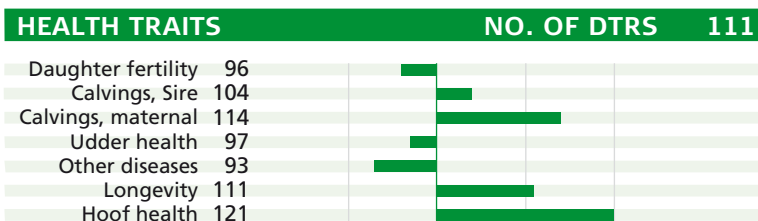
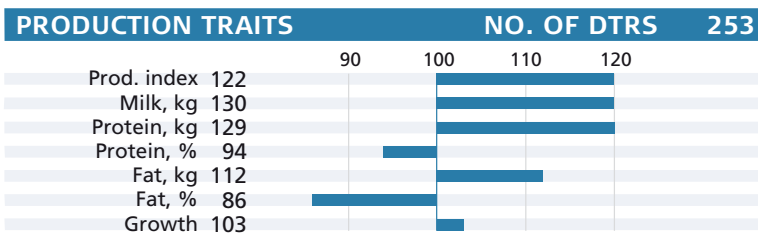
VH Cadiz



© Elly Geverink



HOL 253356
S D Cole
MGS S Jordan 3
MGGS S Morty



VH Cadiz has an outcross pedigree: you cannot find a pedigree with D Cole as a sire and S Jordan as a MGS! Lot of milk, lot of protein and fat. Good for heifers, too. Notice these: hoof health 121, milking speed 109 and longevity 111!

NTM +26

EBV 2005 +259 kg Milk +57 kg Fat +33 kg Prot.



Longevity



Daughter Fertility

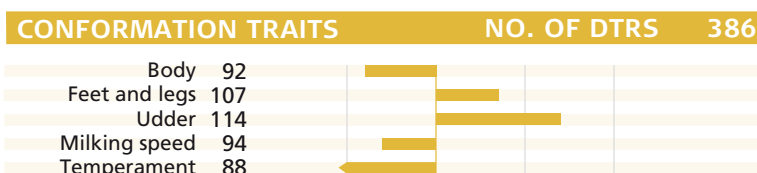
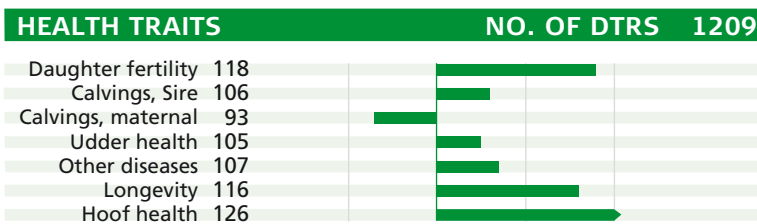
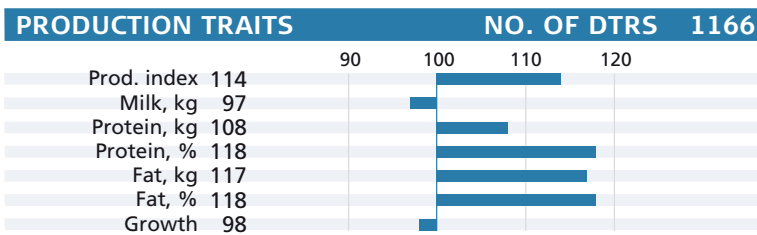


Conformation

VH Salomon



HOL 253100
S D Sammy
MGS Oman Justi
MGGS Merdrignac



VH Salomon is a D Sammy son. He has a strong cow family behind. The dam produced in 4.4 lactations 11.300 kg milk with 4.86 % of fat and 3.73 % of protein. The daughters of Salomon also have also very high components, they are fertile with good longevity.

NTM +22

EBV 2005 +650 kg Milk +35 kg Fat +33 kg Prot.



Longevity

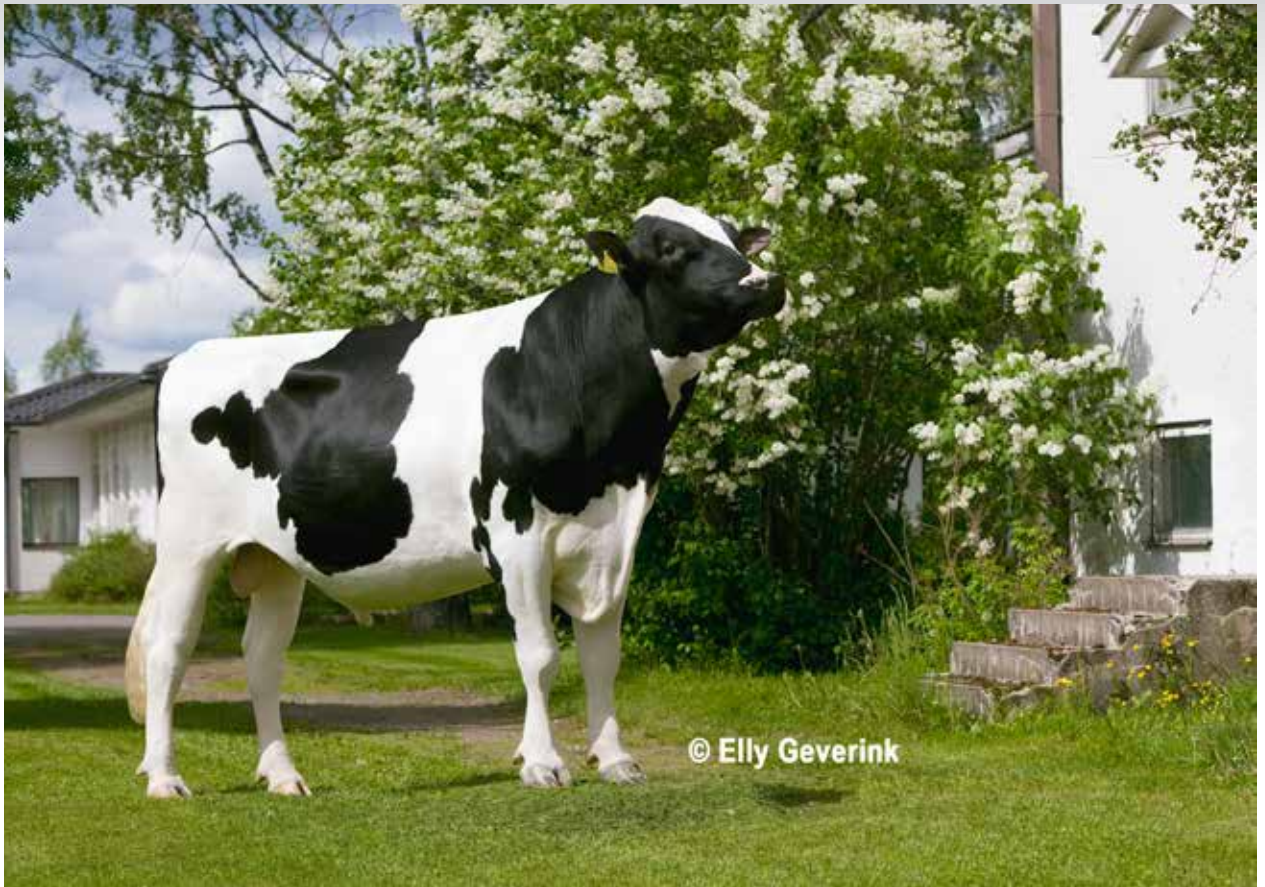


Daughter Fertility



Udder Health

VH Rudolf



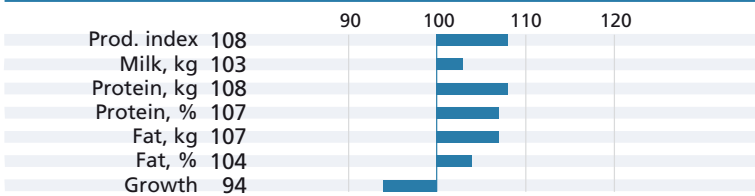
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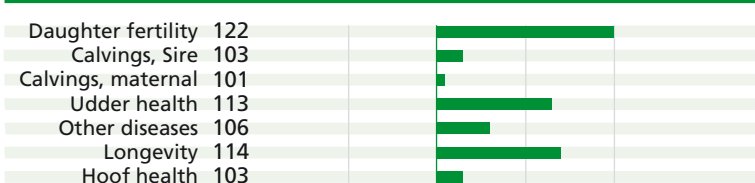
HOL 95209
S Rakuuna Tv
MGS Ramos
MGS Trent Tv Mf



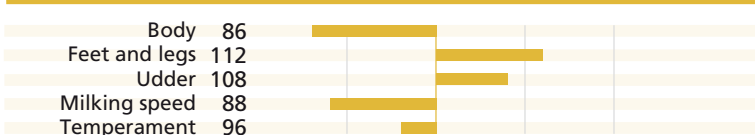
PRODUCTION TRAITS NO. OF DTRS 142



HEALTH TRAITS NO. OF DTRS 126



CONFORMATION TRAITS NO. OF DTRS 28



VH Rudolf is the best of famous Rakuuna sons. He is like his sire, combination of good milk production and high components, excellent fertility and calving traits and good conformation. Together these mean of course good longevity!

NTM +21

EBV 2005 +1251 kg Milk +19 kg Fat +52 kg Prot.



Longevity



Hoof Health



Easy Calvings

D Etoto



© Elly Geverink

D Etoto is a good result with topsire from VikingGenetics in the pedigree. The sire V Exces bringing production and super feet and legs, VAR Calano dam classified 88 and then back to T Funkis. D Etoto is one of the best feet and legs bulls of the breed.



HOL 250027
S V Exces
MGS VAR Calano
MGGS T Funkis

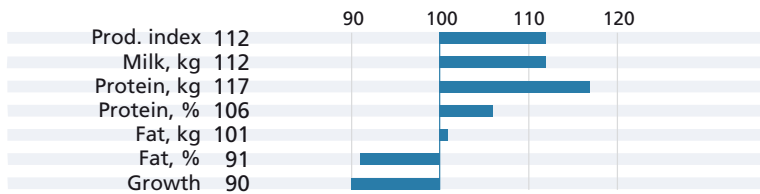


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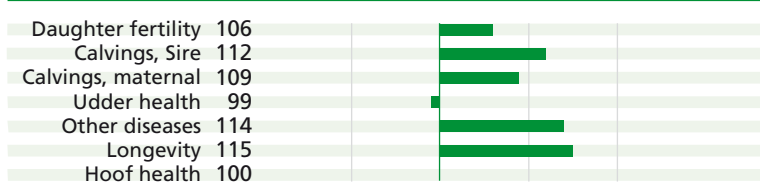


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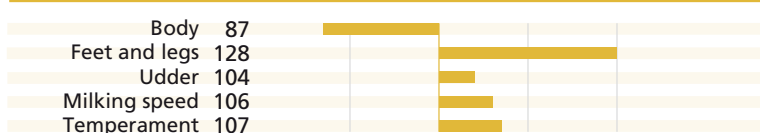
PRODUCTION TRAITS NO. OF DTRS 3170



HEALTH TRAITS NO. OF DTRS 1225



CONFORMATION TRAITS NO. OF DTRS 763



NTM +20



EBV 2005

+551 kg Milk

+38 kg Fat

+28 kg Prot.



Longevity



Daughter Fertility



Hoof Health

D Sol



© Elly Geverink

D Sol – the Shottle son that continuously excels. The dam is an EX92 T Funkis daughter, and has produced more than 120,000 kg of milk and is still producing in the herd. An overall super breeding pattern on D Sol, without any major weaknesses. Note: he is carrier of BY.



HOL 250354

S P Shottle

MGS T Funkis

MGGs VE Otto

KappaCasein AA

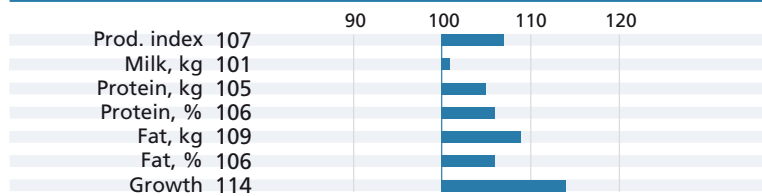


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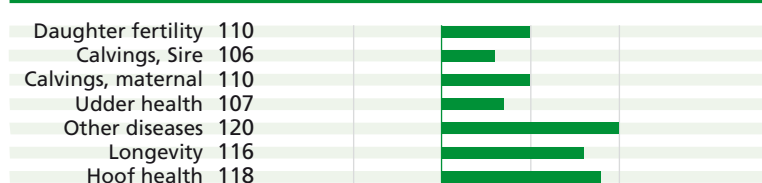


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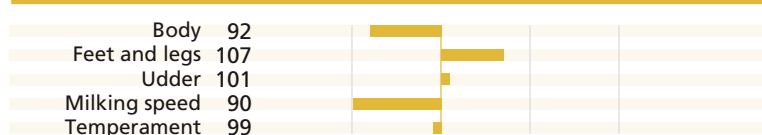
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HEALTH TRAITS NO. OF DTRS 922



CONFORMATION TRAITS NO. OF DTRS 640



NTM +19

EBV 2005 +569 kg Milk +40 kg Fat +43 kg Prot.



Longevity

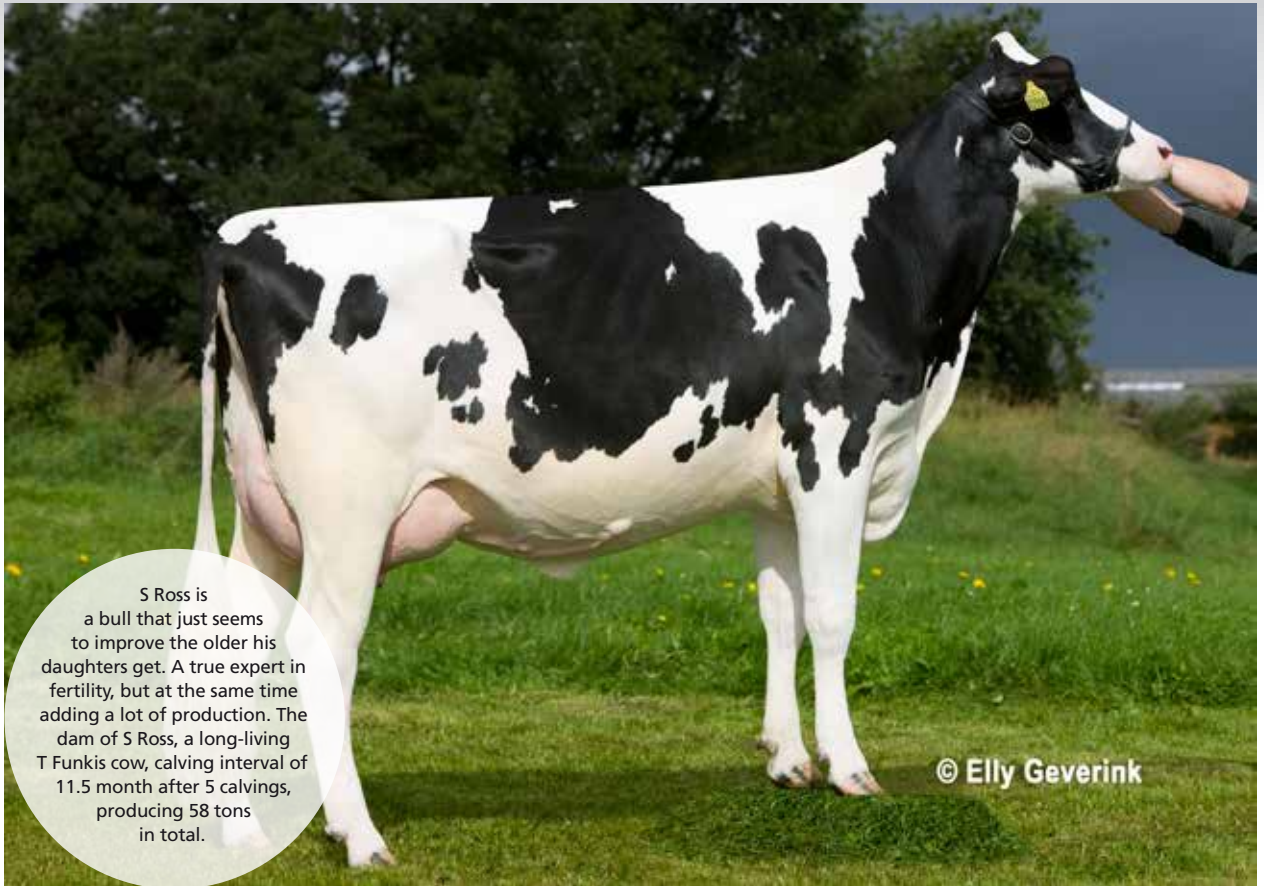


Daughter Fertility



Components

S ROSS



S Ross is a bull that just seems to improve the older his daughters get. A true expert in fertility, but at the same time adding a lot of production. The dam of S Ross, a long-living T Funkis cow, calving interval of 11.5 month after 5 calvings, producing 58 tons in total.

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HOL 48202

S Chassee

MGS T Funkis

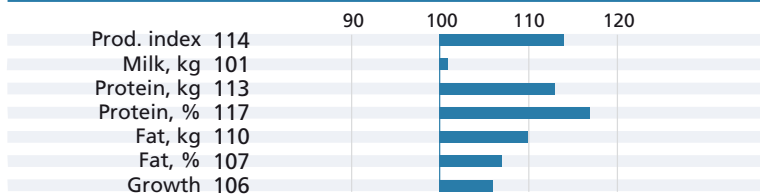
MGGs Häradsköp

KappaCasein AA

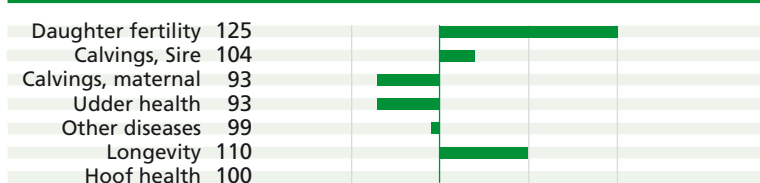


Elisabeth

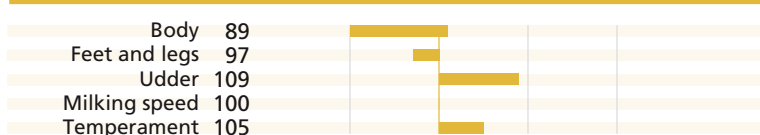
PRODUCTION TRAITS NO. OF DTRS 11458



HEALTH TRAITS NO. OF DTRS 10010



CONFORMATION TRAITS NO. OF DTRS 4625



Look beyond the horizon

**VikingGenetics is in the frontline
breeding healthy cows**

**Different sire
lines with a unique
combination of
good health and high
production giving
you a more
profitable cow**

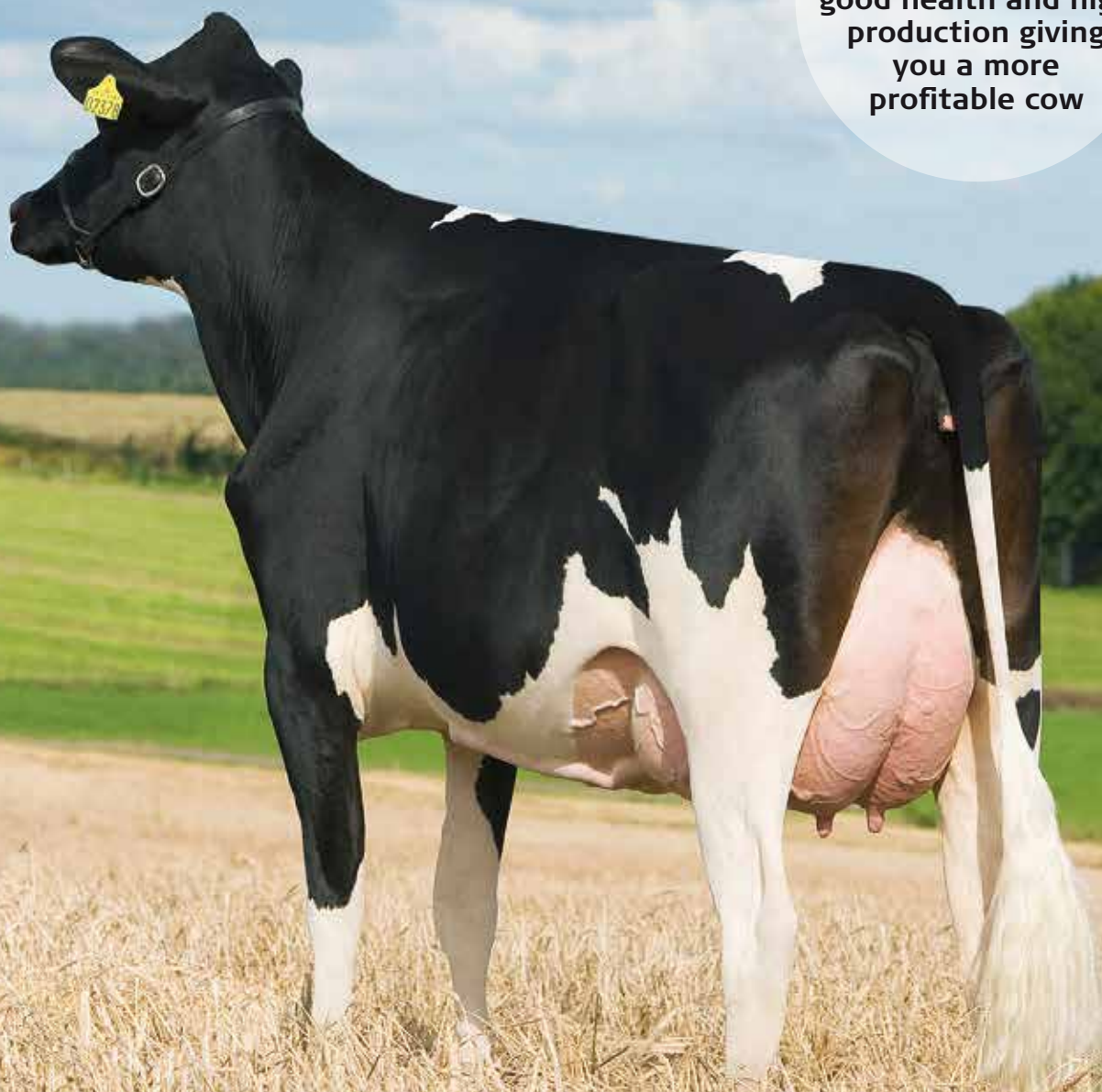


Photo: Ely Gevertink



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The best cows are almost invisible

*Choose NTM – Nordic Total Merit
– for maximum production
and minimum of problems.
Then profit comes naturally!*

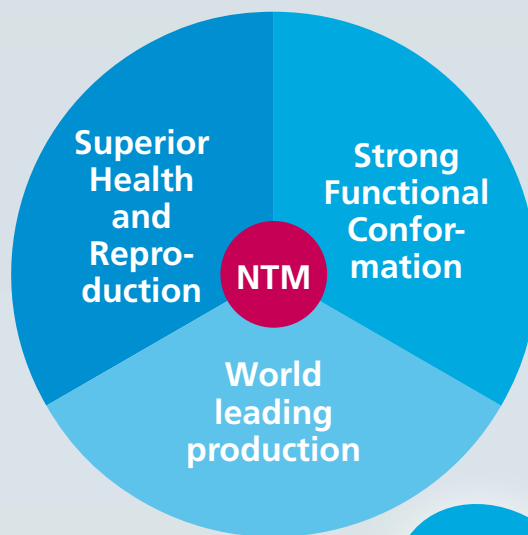


Photo Elly Geverink



Viking Top 10 – make your choice!

NTM	
VH Miracle	40
VH Mandel	39
VH Mota	36
VH Miguel	34
VH Goblin	33
VH Bostrup	32
VH Blume	32
VH Gavin	32
VH Albion	32
VH Redwood	32

PRODUCTION	
VH Gavin	127
VH Grafit	126
D Jul	125
VH Booth	125
VH Strong	123
VH Oneal P	123
VH Cadiz	122
VH Goblin	122
VH Max	121
VH Mota	121

DAUGHTER FERTILITY	
D Grove	126
S Ross	125
VH Albion	124
VH Rudolf	122
VH Black	120
VH Redwood	119
VH Miracle	117
VH Salomon	116
VH Oneal P	115
VH Brilon	115

CALVINGS SIRE	
VH Barkley	121
VH Albion	113
VH John	113
D Etoto	112
VH Redwood	111
VH Oneal P	108
VH Blume	108
D Grove	107
VH Salomon	106
VH Gregor	106

UDDER HEALTH	
VH Mandel	122
VH Bostrup	121
VH Redwood	118
VH Miguel	118
VH Strong	117
VH Max	115
VH John	114
VH Mota	114
VH Black	114
VH Albion	113

HOOF HEALTH	
VH Salomon	125
VH Oyvind	124
VH Gregor	123
VH Albion	121
VH Cadiz	121
D Sol	118
VH Miguel	116
VH John	113
VH Oneal P	113
VH Mota	111

LONGEVITY	
VH Miracle	131
VH Bostrup	129
VH Gregor	125
VH Miguel	125
VH Albion	122
VH Blume	122
VH Raven	121
VH John	119
VH Booth	118
VH Barkley	118

UDDER	
VH Mandel	141
VH Redwood	135
VH Miracle	131
VH Mota	129
VH Brilon	127
VH Blume	126
VH Basten	125
VH Barkley	122
VH Grafit	116
VH Goblin	115

FEET & LEGS	
VH Raven	133
D Etoto	128
VH Barkley	121
VH Miguel	118
VH Gavin	116
D Mason	116
VH Booth	114
VH Redwood	113
VH Grafit	113
VH Rudolf	112

Use sexed semen by VikingGenetics!

By using VikingGenetics X-Vik you obtain the following benefits:

- Estimated 90 % females
- Excellent fertility results
- Many heifers to sell or replace cows and increase your herd
- Easy calvings
- Higher profit





© Elly Geverink

Fast track your herd with Genomic Bulls!

VikingGenetics **Holstein Genomic Programme** is the first hand choice when it comes to profitable herd improvement.

The Genomic Sires from Viking are the next generation, and offers you top quality genetics. All bulls entering the program are preselected on their genomic values, to ensure that only the best of the best go through progeny testing. Unique registration and cattle data

base give us a tremendous tool for accurate genomic selection. Young bulls with the very best genomic values are used beyond the services for progeny testing, and are marketed as GenVikPLUS. Here we can offer you the very best bulls, with the most interesting pedigrees.



VH Miracle



Alex Arkink

Grand Dam of VH Miracle



HOL 254418

S Massey

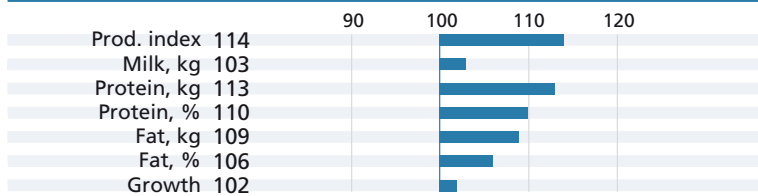
MGS Roumare

MGGs Var Calano

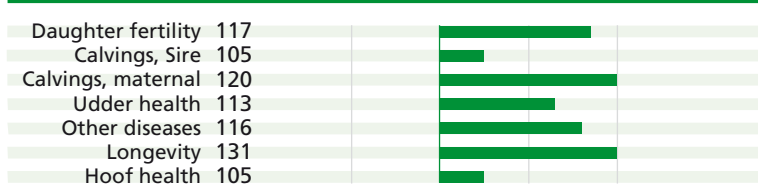
KappaCasein AB



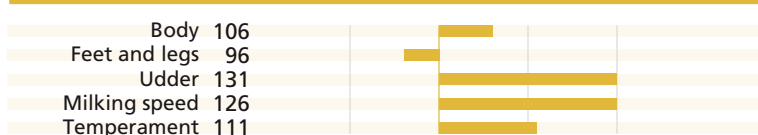
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Miracle has excellent pedigree: Massey x Roumare (VG89) x VAR Calano EX92 x Lukas EX90). He has been at the very top among genomic sires a long time. His profile is very appealing to everybody: production, fertility, calving ease, health, conformation and longevity!

NTM +39

VH Mandel

GENVIK[®] PLUS

X-VIK[®]



HOL 254168
S Man-O-Man
MGS RGK Didrik
MGGS V Bojer



Longevity

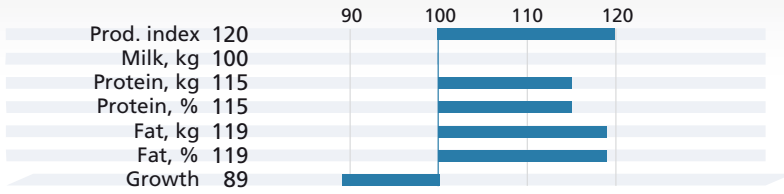


Udder Health

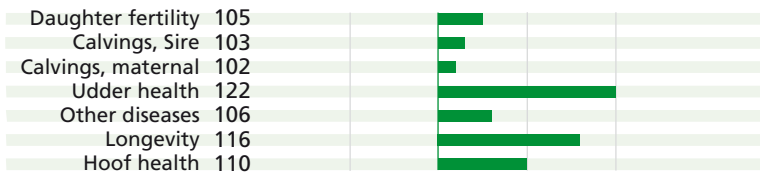


Conformation

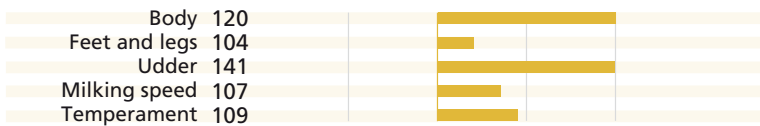
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Mandel is from a super RGK Didrik x V Bojer cow classified EX 92. The strong family behind creates the balance together with Man-O-Man on health and calving abilities. He is a true specialist when it comes to udders!

NTM +36

VH Mota

GENVIK[®] PLUS



HOL 254182
S Man-O-Man
MGS Ramos
MGGS P Shottle



Hoof Health

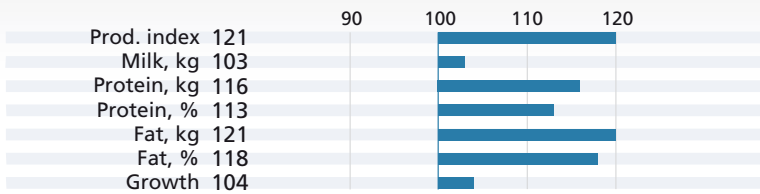


Udder Health

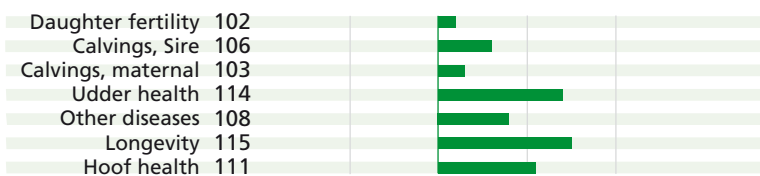


Conformation

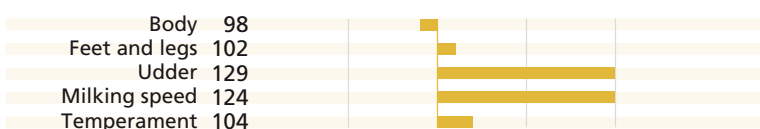
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Mota was one of the first Man-O-Man genomic sons. If you are looking for solids, this is really a good bull for you. With VH Mota you get also cows with good health, both udder and hoof health indices show that. Also sexed semen available.

NTM +34 VH Miguel



Longevity



Milk Production

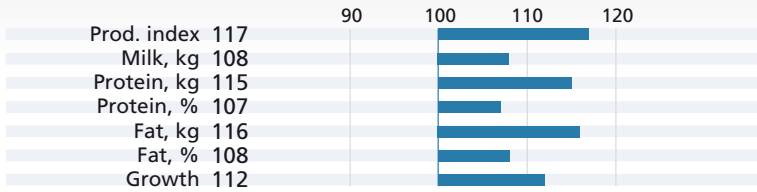


Daughter Fertility

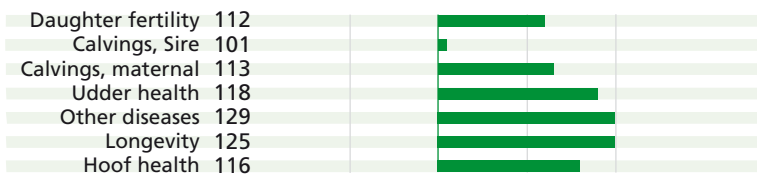


HOL 255750
S D Mason
MGS D Sol
MGGS V Ersgard

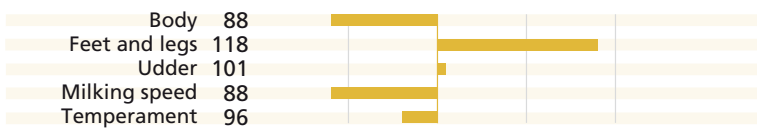
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Miguel is the highest genomic bull in Viking Genetics. This D Mason son, D Sol as a MGS, has excellent proofs for production and fertility. In health traits he is really a top bull!

NTM +33 VH Goblin



Longevity



Udder Health

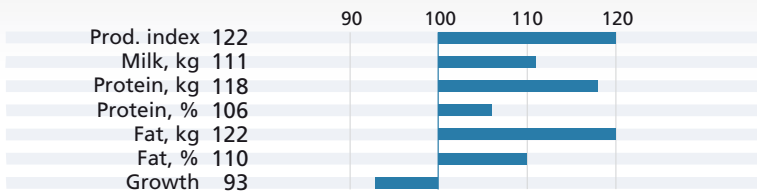


Conformation

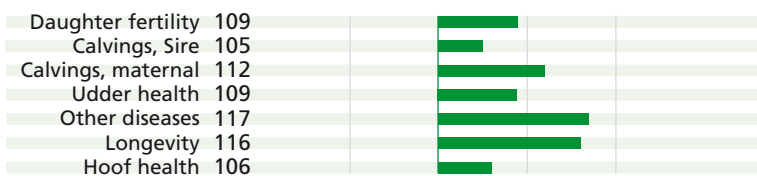


HOL 96307
S VH Grafit
MGS Fibrax
MGGS Buckeye ET

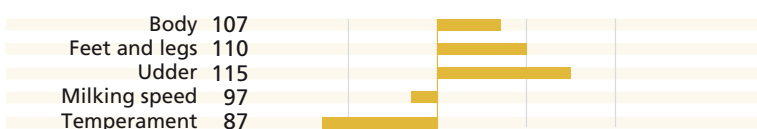
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Goblin is a son of the B Goldwyn x Oman Justi son VH Grafit. VH Goblin is a Finnish born bull born from a strong Fibrax cow classified VG86. VH Goblin is a bull with a lot of positive traits and is able to add production, health and fertility at the same time.

NTM +32 VH Gavin



Longevity



Daughter Fertility

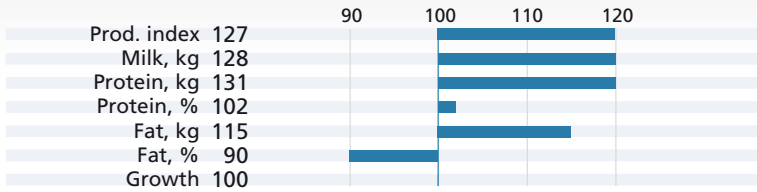


Conformation

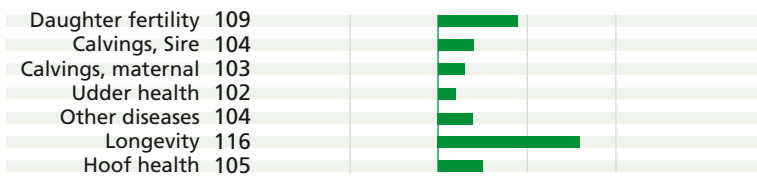


HOL 255183
S VH Grafit
MGS D Onside
MGGS Mascol

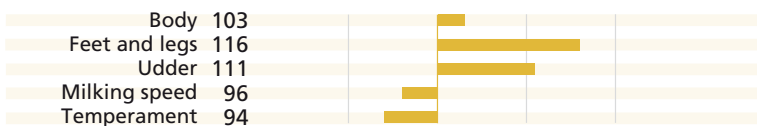
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Gavin is the second best of VH Grafit genomic sons in the list now. The dam of the bull is an Onside daughter. Gavin has excellent breeding values for production as well as for conformation. No faults and easy to use in every herd!

NTM +32 VH Blume



Longevity



Daughter Fertility

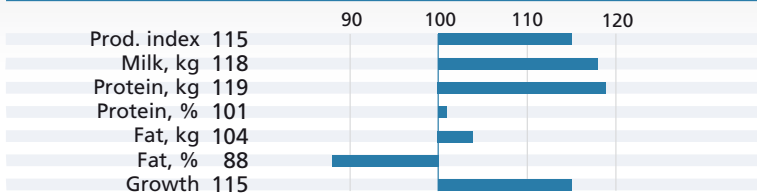


Conformation

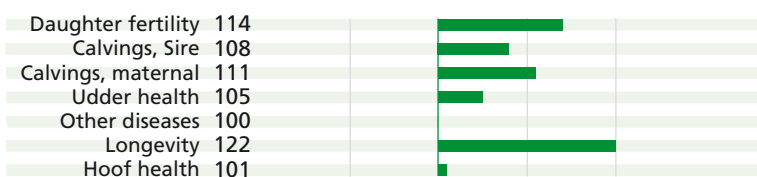


HOL 254934
S Bowser
MGS B Goldwyn
MGGS Oman Justi

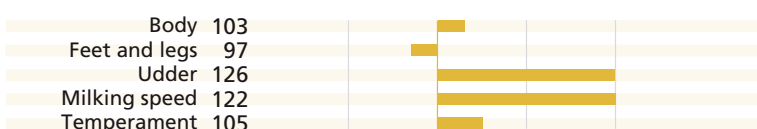
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Blume is a Bowser son out of Goldwyn dam. If you need more milk, Blume is a good choice for that. Even the production level is high; udder health is good as well as conformation. Good bull to produce daughters for robotic milking: milking speed index is 122.

NTM +32

GENVIK[®] PLUS

VH Bostrup



HOL 254438
S VH Bismark
MGS V Exces
MGGS A Ford



Longevity

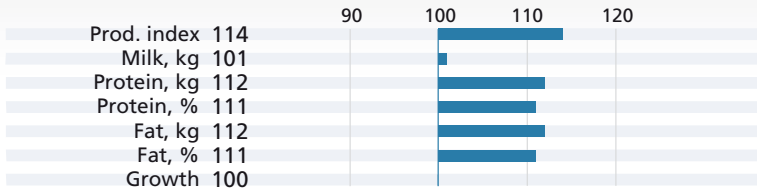


Easy Calvings

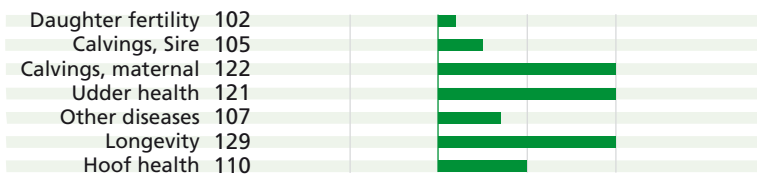


Udder Health

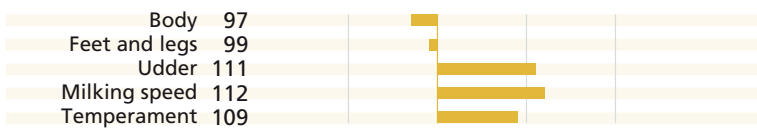
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



The family behind VH Bostrup shows longevity and very high production. Dam is a V Exces with 4 years of production 12,700M 555F og 476P, the A Ford 6 years production 15,240M, 535F og 473P and V Brando 8 years production 12,376M, 457F og 381P.

NTM +32

GENVIK[®] PLUS

VH Redwood



HOL 255624
S Router
MGS Fibrax
MGGS Oman Justi



Daughter Fertility

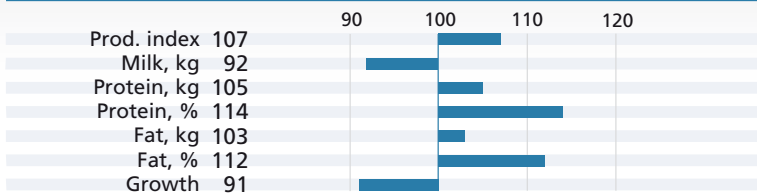


Conformation

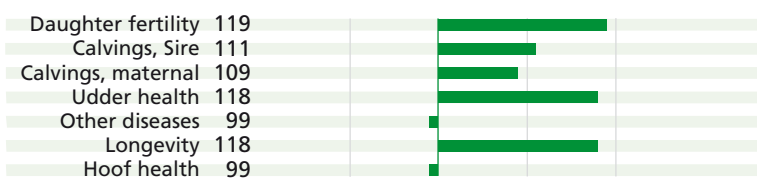


Longevity

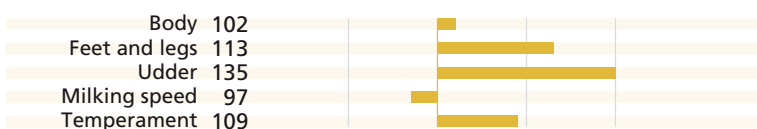
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Redwood has an interesting pedigree: the sire is Router and MGS Fibrax. If you are looking for good type, VH Redwood is a good choice. Beside of conformation you will get fertile heifers with good udder health. Calving ease bull, good for heifers!

NTM +32

VH Albion

GENVIK[®] PLUS

X-VIK[®]



Daughter Fertility



Longevity

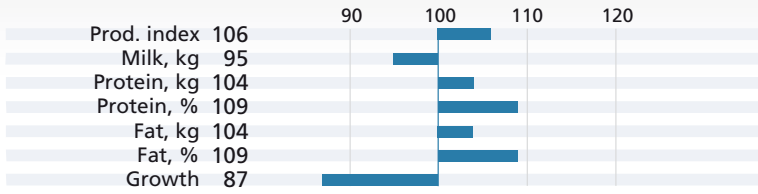


Easy Calvings

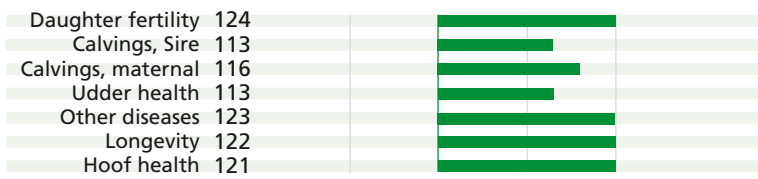


HOL 255412
S Ammus
MGS D Banker
MGGS V GroovyBL

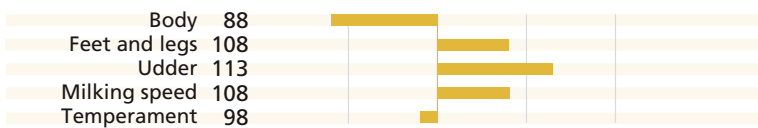
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Albion is the oldest son of V Ammus. He has a nice pedigree, the dam is out of D Banker. VH Ammus is very good in functional traits: fertility, udder health, hoof health and milking speed. Easy calving bull, good for your heifers!

NTM +31

VH Barkley

GENVIK[®] PLUS



Milk Production



Easy Calvings

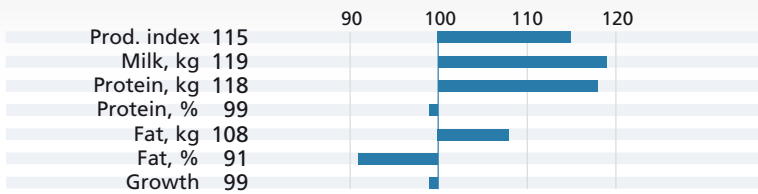


Conformation

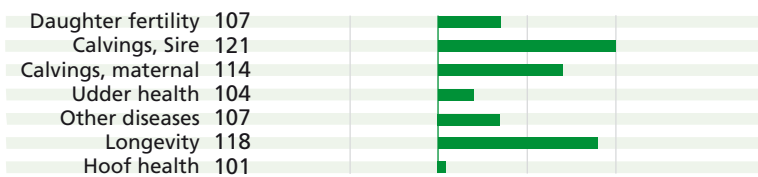


HOL 255755
S Bookem
MGS Gibor
MGGS Sharky

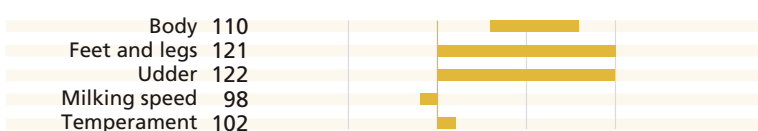
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Barkley is a great combination of production and type! Look: the production index 115, body 110, feet and legs 121 and udder conformation 122! And still you get good fertility, udder health and longevity. Calving ease as a sire 121!

NTM +31 VH Brilon



Milk Production



Daughter Fertility

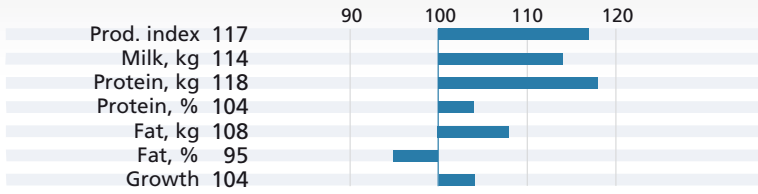


Conformation

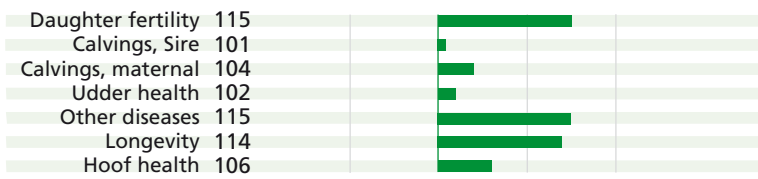


HOL 48948
S Bowser
MGS Rakuuna
MGS Alexander

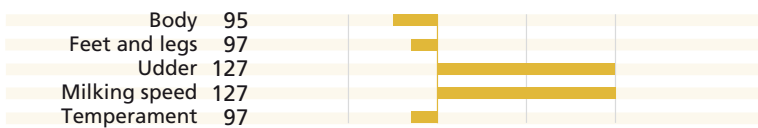
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Brilon is the best of Bowser genomic sons. Interesting combination, the dam is Rakuuna daughter which gives good possibilities for good health and fertility. Good choice for robotic milkers, milking speed index is 127!

NTM +31 VH Gregor



Longevity



Hoof Health

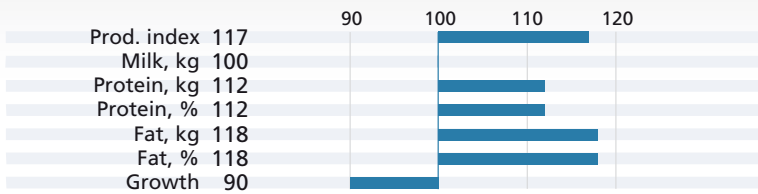


Easy Calvings

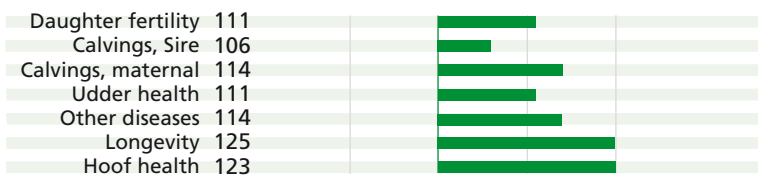


HOL 255190
S VH Grafit
MGS V Exces
MGS V Bojer

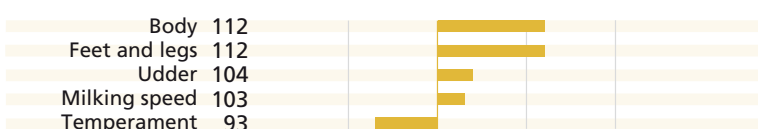
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Gregor is one of very good VH Grafit sons. The dam is out of V Exces so this combination promises good production. VH Gregor is a very functional bull: notice that fertility, calving traits, udder health and hoof health: it means longevity!

NTM +31

VH Booth

GENVIK[®] PLUS

X-VIK[®]

VIKING
HOLSTEIN[®]

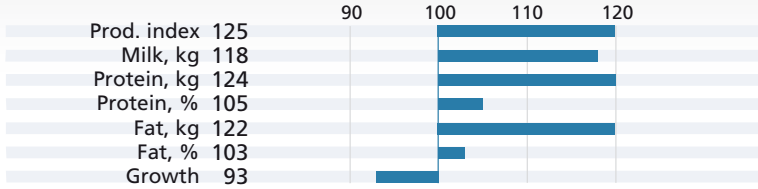
HOL 255761

S Beacon

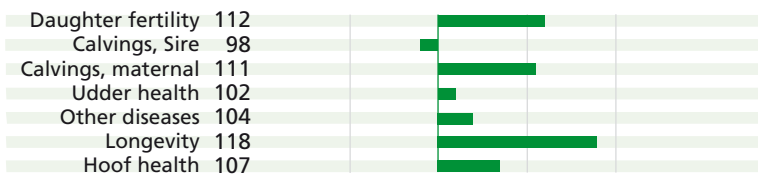
MGS Planet

MGGS P Shottle

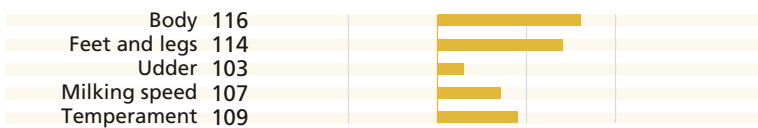
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Booth is the best of Beacon genomic sons. The pedigree promises a lot of production and good functionality. Body, feet and legs and udders are all positive. Easy bull to use, if you are looking for longevity!

NTM +30

VH John

GENVIK[®] PLUS

VIKING
HOLSTEIN[®]

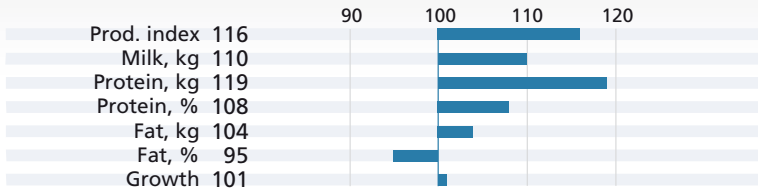
HOL 255754

S D Jul

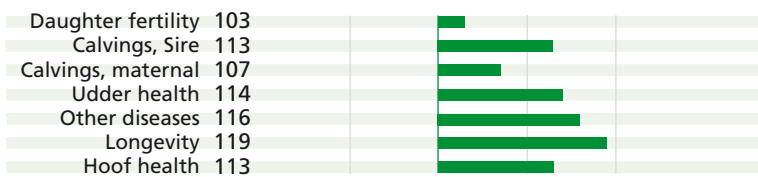
MGS V GroovyBL

MGGS V Exces

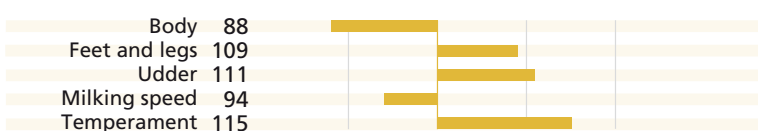
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH John has a Danish pedigree D Jul as a sire and V Groovy as MGS and V Exces as an MGGS. VH John is a very functional sire. He has very good proofs for udder health, temperament, hoof health and longevity. Calving ease bull for heifers.

NTM +28 VH Raven

GENVIK[®] PLUS

X-VIK[®]

VIKING
HOLSTEIN[®]

HOL 255608
S D Rom
MGS D Onside
MGGS Mascol



Milk
Production

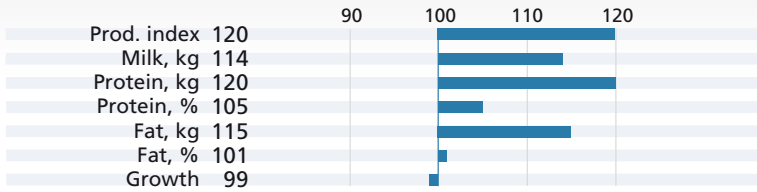


Longevity

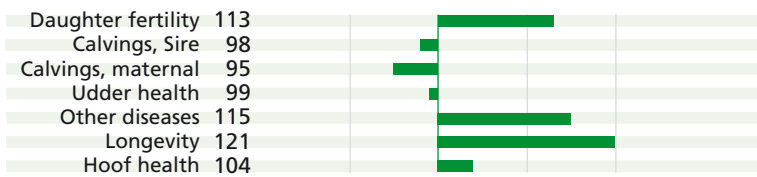


Conformation

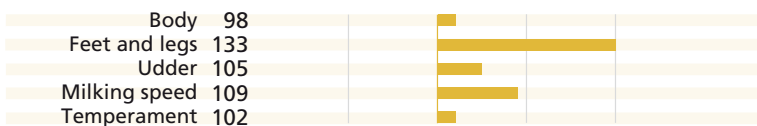
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



VH Raven is the oldest D Rom son. D Onside as a MGS he is really a productive bull, lot of milk with high components. Good fertility, health and excellent feet and legs are the keys to good longevity!

NTM +27 VH Oneal P

GENVIK[®] PLUS

VIKING
HOLSTEIN[®]

HOL 255423
S VH Ove P
MGS Ståme-ET
MGGS V Exces



Milk
Production

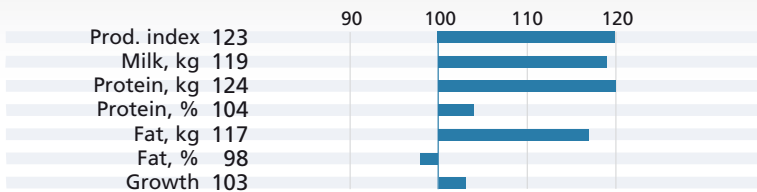


Daughter
Fertility

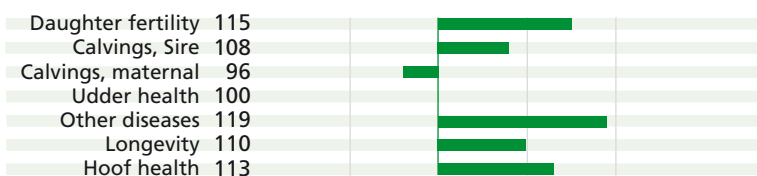


Longevity

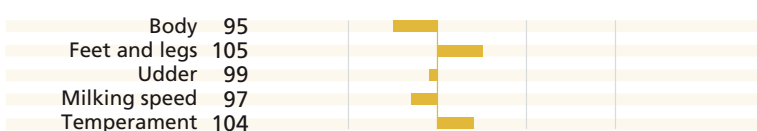
PRODUCTION TRAITS



HEALTH TRAITS



CONFORMATION TRAITS



Note the sire line on this polled bull VH Oneal P. The sire VH Ove P is a VH Olav P x D Limbo, so a very different provider of the polled gene. VH Oneal P is high protein bull with 124 in protein production and breeds super female fertility and a good health in general. Conformation is around average and in general an "easy to use" bull.

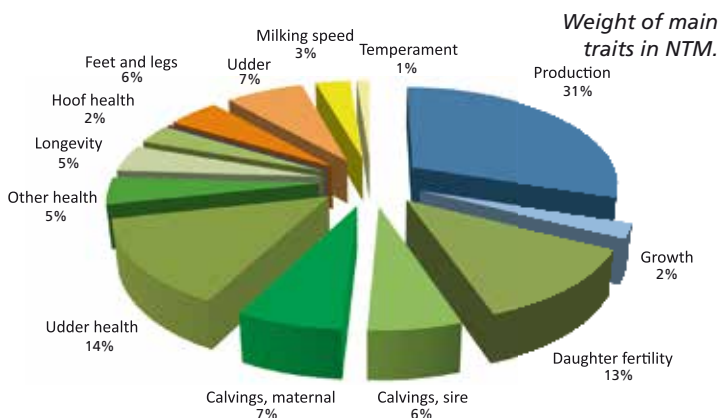
Understand the benefit from high NTM – increased profit!

1. What is NTM?

NTM (Nordic Total Merit) is the most complete total merit index in the world. NTM consists of more than 40 subtraits combined into 12 main traits as shown in the right figure.

When you use NTM as selection criteria, you obtain positive progress for all traits of economic importance in the dairy cattle industry. You obtain the highest progress from the “most expensive traits” such as fat and protein yield and health traits as shown in the figure to the right.

Longevity index and production index have the highest correlation of all traits to the NTM, showing that the NTM is optimized to produce long-living and high-producing cows.



2. How are the indexes in NTM expressed?

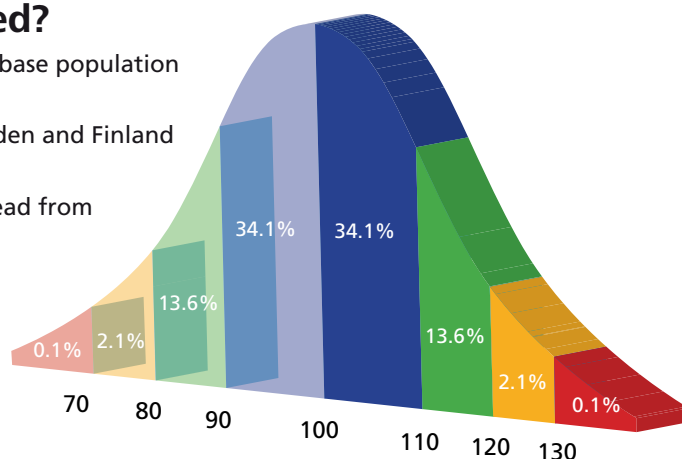
EBVs of all animals are adjusted in such a way that animals in the base population have an average index of 100.

For all traits a rolling base consisting of cows from Denmark, Sweden and Finland that are 3-5 years of age at the date of publication is applied.

The Standard Deviation is a statistic that tells you how widely spread from the average the scores of all bulls are for any particular trait.

The bell curve shows what each standard deviation represents.

One standard deviation away from the mean in either direction (the purple area) accounts for about 68 % of the bulls.



3. The value of NTM units

The value of +10 NTM units for the sire is the same as 100 Euro added value for the heifer under Scandinavian conditions.

The value of +10 units for production traits

Milk index	+ 160 kg milk
Fat index	+ 8.6 kg fat
Fat percentage	+ 0.13 %
Protein index	+ 6.1 kg protein
Protein percentage	+ 0.08 %
Growth	+ 8 g/day. Higher weight gain of bull calves

Calculation of production index	- 0.25 x Milk + 0.25 x Fat + 1 x Protein
---------------------------------	--

The value of +10 units for functional traits

Daughter fertility	Days open reduced by 8 days and 0.03 less services per pregnancy
Calvings, Sire (Maiden heifers)	Reduction in difficult calvings with 2 % and 1 % less stillborn calves
Calvings, Maternal (Maiden heifers)	Reduction in difficult calvings with 8 % and 2 % less stillborn calves
Udder health	1.8 % units less mastitis treatments in first lactation. 2.6 % units less mastitis treatments in second and third lactation
Other diseases	2.7 % units less treatments for reproduction diseases, metabolic disorders and diseases in hooves, feet and legs in first and second lactation. 3.6 % units less treatments for the same diseases in third lactation
Milking speed	9.5 g fat + protein more per minute (robots and farmer observation)
Longevity	36 days longer productive life

How to read VikingGenetics breeding values

1 NTM

See left page.

2 Production

Production Index: Based on amount of protein, fat and milk. There is a slight negative weighting applied to the milk quantity, in order to maintain concentration.

Growth: Based on data from slaughtered male progeny. Includes growth and carcass classification.

3 Health

Daughter fertility: Fertility data from heifers, first, second and third calvers. Includes number of inseminations, interval from calving to 1st insemination, interval between first and last insemination, Non Return Rate.

Calving index, sire: Based on calving difficulties and number of stillborn calves from first calvers as well as later lactations.

Calving index, maternal: Expresses the ability of the bulls' daughters to give birth to a living calf at their first calving.

Udder health: Based on mastitis diagnoses, compulsory reported by vets and from the milk recording scheme, cell-count data and reported cullings due to mastitis. In addition conformation traits like udder depth is used to further increase the accuracy of the index.

Other diseases: Based on diseases other than mastitis, compulsory reported by vets and culling reports from the milk recording scheme. The diseases are divided into four different subindexes – early and late fertility disorder, feet and leg problems and metabolic diseases – these four sub-indexes are then weighted together to the complete index for other diseases.

Longevity: Productive life, days from 1st calving, max 365 d/lactation. Information from the first five lactations.

Hoof health: Based on lesion scoring reported by hoof trimmers. Includes both infectious and laminitis related lesions with highest weight put on sole ulcer.

4 Conformation

A comprehensive classification of body, legs and udder. Based on a linear description of conformation traits.

Legs: A comprehensive evaluation of the legs.

Udder: A comprehensive evaluation of the udder.

Temperament: Based on farmer's observations.

Milking Speed: Based on farmer's observations.

1

NTM +25

EBV 2005 +1573 kg Milk +67 kg Fat +57 kg Prot.

5

Longevity

Milk Production

Udder Health

D Mason

VIKING HOLSTEIN

HOL 251114
S Mascol
MGS Oman Justi
MGS Lukas
KappaCasein AB

PRODUCTION TRAITS	NO. OF DTRS	353
Prod. index	120	
Milk, kg	117	
Protein, kg	119	
Protein, %	101	
Fat, kg	120	
Fat, %	102	
Growth	104	

HEALTH TRAITS	NO. OF DTRS	334
Daughter fertility	100	
Calvings, Sire	91	
Calvings, maternal	109	
Udder health	111	
Other diseases	113	
Longevity	114	
Hoof health	106	

CONFORMATION TRAITS	NO. OF DTRS	222
Body	86	
Feet and legs	116	
Udder	101	
Milking speed	103	
Temperament	95	

5 Main characteristics

Symbols showing the main characteristics of the bull.

Longevity

Daughter Fertility

Total Merit Index

Components

Easy Calvings

Milk Production

Udder Health

Conformation

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