



GGI-KENYA

2022

Proofs: August 2022

Holstein
Red Holstein
Fleckvieh
Brown Swiss
Angler

Daughter Proven
Genomic

Christine Massfeller



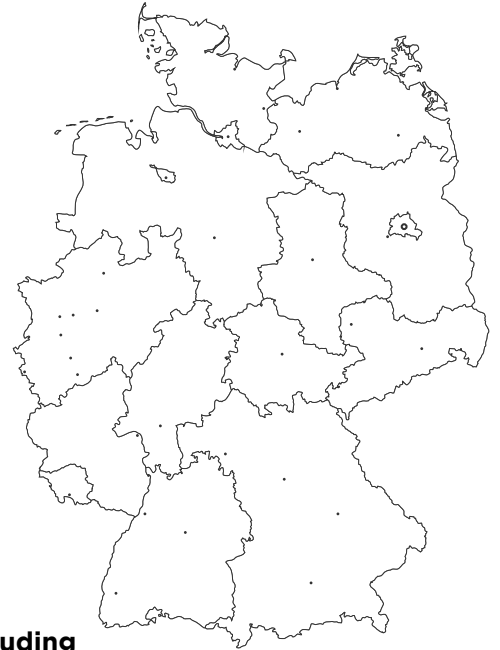
SIRE
CATALOGUE

Our Potential

PROFIT FROM THE LARGEST AND MOST EFFICIENT BREEDING PROGRAMS IN THE WORLD!

Germany has...

- ... the largest registered Holstein population worldwide
- ... the largest registered Red Holstein population worldwide
- ... the largest reference population with more than 45,600 sires and 330,000 cows (vit 04-2022)
- ... more than 1,500,000 registered Holstein cows
- ... more than 144,000 registered Red Holstein cows
- ... more than 713,000 registered German Fleckvieh cows
- ... more than 116,000 registered Brown Swiss cows
- ... proven cow families having deep pedigrees
- ... one of the oldest Holstein herd books in the world (1878) including overall data of more than 100,000,000 cattle
- ... national and international breeding programs
- ... the largest and most versatile reference populations in the world
- ... balanced breeding goals



Source: BRS annual report 2022

Abbreviations USED IN THIS CATALOGUE

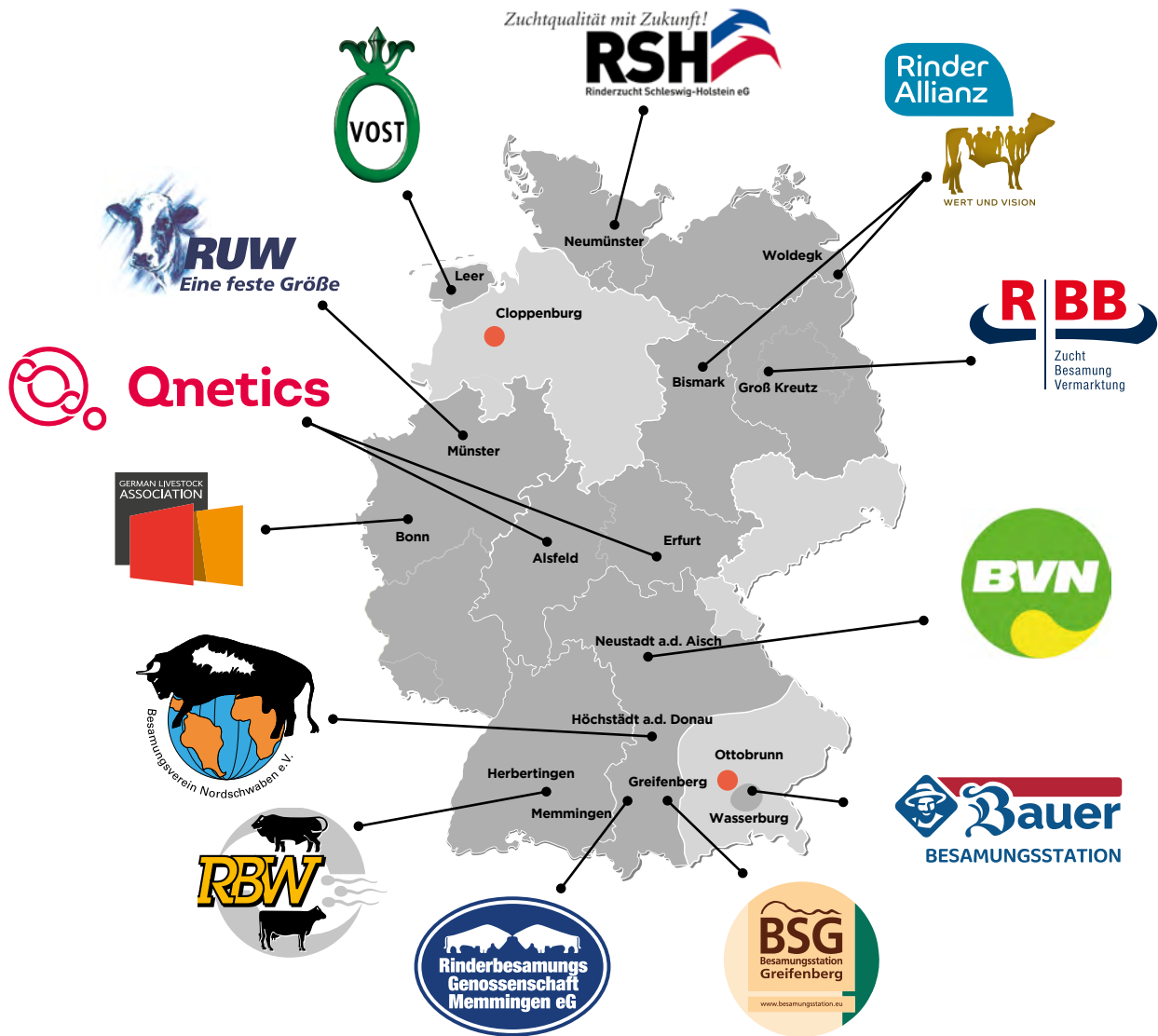
ALL HOLSTEIN BULLS IN THIS CATALOGUE ARE FREE OF BRACHYSPINA, BLAD, CVM AND CDH.

RZG	Total Merit Index	RZRobot	Breeding value Suitability for automatic milking systems (AMS)
RZ€	Economic Total Merit Index	GD	Granddam
RZM	Breeding value Milk production	GGD	Great Granddam
RZE	Breeding value Conformation	GGGD	Great Great Granddam
RZS	Breeding value Somatic cell count	aAa	Triple A code by Weeks® Animal Analysis
RZN	Breeding value Longevity	HB-Nr.	Herd book number
RZR	Breeding value Daughter fertility	VRC	Carrier of the Variant Red gene
RZKd	Breeding value Calving ease (paternal calving ease)	RDF	Tested non-carrier of red gene
RZKm	Breeding value Calving ease (maternal calving ease)	RDC	Red carrier
RZD	Breeding value Milking speed	AMS	Automatic milking systems
RZhealth	Breeding value Health	Rear leg set r.v.	Rear leg set rear view
RZudderfit	Breeding value Udder health	Rear udder h.	Rear udder height
RZhoof	Breeding value Hoof health	Suspens. lig.	Suspensory ligament
RZrepro	Breeding value Reproduction	Teat placem. f.	Teat placement (front)
RZmetabol	Breeding value Metabolic health	Teat placem. r.	Teat placement (rear)
DDcontrol	Breeding value Mortellaro resistance	Fore udder att.	Fore udder attachment
RZcalfhealth	Breeding value Calf health	vit	Data processing center

GGI-SPERMEX Members



GGI-SPERMEX
Genetics made in Germany



● **GGI-SPERMEX offices**

Having more than 1.2 million active dairy cows and nearly 35,000 active beef cows registered in their herdbooks, the GGI-SPERMEX members take care of almost 70% of the actual cattle breeding population in Germany.

Backed by the data and experience of more than 9,000 dairy herd book farms, GGI-SPERMEX is able to map all environmental and management conditions across Germany and, through this, offer ideal matings for any environmental conditions.

Baldus

KAX Baldus

574193 born: 22.08.2019
HOLDEUM000123451750
aAa 243651



Baldus

RZG 138 82 %	RZ€ 1544 84 %	RZM 137 75 %	RZE 118 72 %	RZS 111 77 %	RZN 105 67 %	RZR 114 54 %	RZKd 102 69 %	RZKm 105 64 %	RZD 93 77 %
----------------------------------	-----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	-----------------------------------	-----------------------------------	---------------------------------

RZ health	110	71 %
RZ udderfit	103	62 %
RZ hoof	107	52 %
RZ metabol	102	56 %
RZ repro	109	53 %
RZ calfhealth	104	50 %
DDcontrol	105	51 %

RZRobot	---	--	%
Cappa-Casein	AB		
Beta-Casein	A2A2		
Milk	Fat	Protein	
+1011 kg	+0.15 %	+0.13 %	
	+57 kg	+50 kg	
Reliability	75 %		
Daughters	-		
Herds	-		

	76	88	100	112	124	
Dairy type						105
Body						102
Feet & Legs						110
Udder						114
Stature	small					106 tall
Dairy character	little					108 angular
Body depth	shallow					99 deep
Strength	narrow					100 wide
Rump angle	ascending					103 sloped
Rump width	narrow					100 wide
Rear leg angle	straight					95 sickled
Foot angle	low angle					101 steep angle
Hocks	swollen					105 clean
Rear leg set r.v.	toes out					106 parallel
Locomotion	bad					107 good
Rear udder h.	low					115 high
Suspens. lig.	weak					111 strong
Teat placem.f.	wide					96 close
Teat placem.r.	wide					101 close
Fore udder att.	loose					114 tight
Udder depth	deep					107 shallow
Teat length	short					92 long

- Functionality
- Daughter fertility
- Udder

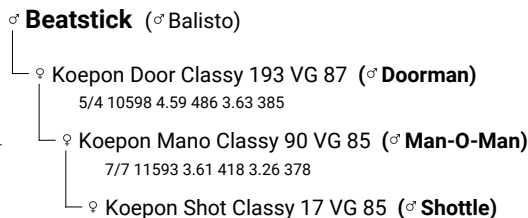
Proof: VIT / 08-2022

Daughters/Herds: -/-

Beatclub

Koepon

619154 born: 17.07.2016
HOLNLDM000734691569
aAa 342516



Beatrice

RZG 147 97 %	RZ€ 1912 97 %	RZM 137 99 %	RZE 133 96 %	RZS 103 98 %	RZN 133 87 %	RZR 94 83 %	RZKd 119 95 %	RZKm 101 95 %	RZD 104 95 %
----------------------------------	-----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	---------------------------------	-----------------------------------	-----------------------------------	----------------------------------

RZ health	111	93 %
RZ udderfit	110	90 %
RZ hoof	110	87 %
RZ metabol	105	85 %
RZ repro	94	84 %
RZ calfhealth	105	91 %
DDcontrol	109	90 %

RZRobot	134	96 %
Cappa-Casein	AB	
Beta-Casein	A2A2	
Milk	Fat	Protein
+709 kg	+0.37 %	+0.16 %
	+68 kg	+42 kg
Reliability	99 %	
Daughters	990	
Herds	190	

	76	88	100	112	124	
Dairy type						115
Body						108
Feet & Legs						130
Udder						117
Stature	small					104 tall
Dairy character	little					113 angular
Body depth	shallow					100 deep
Strength	narrow					98 wide
Rump angle	ascending					89 sloped
Rump width	narrow					114 wide
Rear leg angle	straight					100 sickled
Foot angle	low angle					121 steep angle
Hocks	swollen					109 clean
Rear leg set r.v.	toes out					115 parallel
Locomotion	bad					122 good
Rear udder h.	low					115 high
Suspens. lig.	weak					89 strong
Teat placem.f.	wide					108 close
Teat placem.r.	wide					83 close
Fore udder att.	loose					117 tight
Udder depth	deep					111 shallow
Teat length	short					114 long

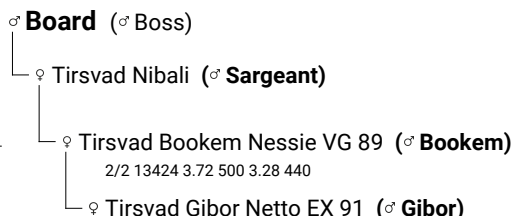
- Conformation
- Fits for AMS
- Heifer bull

Proof: VIT / 08-2022

Daughters/Herds: 398/103

Bonfire

156569 born: 09.09.2016
 HOLDNKM000000258887
 aAa 324615



progeny tested

HOLSTEIN

RZG 129 96 %	RZ€ 833 96 %	RZM 125 99 %	RZE 135 95 %	RZS 108 98 %	RZN 108 86 %	RZR 101 80 %	RZKd 96 92 %	RZKm 98 94 %	RZD 101 90 %
----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------

Geske 292

RZ health	104	88 %
RZ udderfit	101	83 %
RZ hoof	111	78 %
RZ metabol	97	77 %
RZ repro	101	73 %
RZ calfhealth	93	89 %
DDcontrol	110	81 %

RZRobot	---	-- %
Cappa-Casein	AE	
Beta-Casein	A1A2	
Milk	Fat	Protein
+1015 kg	-0.16 %	+0.05 %
	+23 kg	+41 kg
Reliability	99 %	
Daughters	953	
Herds	351	

	76	88	100	112	124		
Dairy type						118	
Body						107	
Feet & Legs						123	
Udder						125	
Stature	small					124	tall
Dairy character	little					116	angular
Body depth	shallow					101	deep
Strength	narrow					106	wide
Rump angle	ascending					106	sloped
Rump width	narrow					109	wide
Rear leg angle	straight					89	sickled
Foot angle	low angle					115	steep angle
Hocks	swollen					111	clean
Rear leg set r.v.	toes out					113	parallel
Locomotion	bad					117	good
Rear udder h.	low					129	high
Suspens. lig.	weak					118	strong
Teat placem.f.	wide					116	close
Teat placem.r.	wide					122	close
Fore udder att.	loose					115	tight
Udder depth	deep					118	shallow
Teat length	short					98	long

- Udder
- Feet & legs
- Milk production

Proof: VIT / 08-2022

Daughters/Herds: 309/93

Brosnan

823205 born: 06.02.2017
 HOLDEUM000360157474
 aAa 432561



progeny tested

HOLSTEIN

RZG 133 91 %	RZ€ 1281 91 %	RZM 122 92 %	RZE 113 86 %	RZS 102 89 %	RZN 119 74 %	RZR 103 65 %	RZKd 101 80 %	RZKm 119 79 %	RZD 101 79 %
----------------------------------	-----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	-----------------------------------	-----------------------------------	----------------------------------

Brosnan

RZ health	117	83 %
RZ udderfit	108	76 %
RZ hoof	110	71 %
RZ metabol	113	69 %
RZ repro	104	66 %
RZ calfhealth	105	66 %
DDcontrol	106	73 %

RZRobot	115	84 %
Cappa-Casein	AB	
Beta-Casein	A2A2	
Milk	Fat	Protein
+672 kg	-0.02 %	+0.09 %
	+25 kg	+33 kg
Reliability	92 %	
Daughters	102	
Herds	27	

	76	88	100	112	124		
Dairy type						108	
Body						108	
Feet & Legs						106	
Udder						107	
Stature	small					110	tall
Dairy character	little					107	angular
Body depth	shallow					106	deep
Strength	narrow					103	wide
Rump angle	ascending					94	sloped
Rump width	narrow					103	wide
Rear leg angle	straight					90	sickled
Foot angle	low angle					101	steep angle
Hocks	swollen					105	clean
Rear leg set r.v.	toes out					96	parallel
Locomotion	bad					107	good
Rear udder h.	low					109	high
Suspens. lig.	weak					101	strong
Teat placem.f.	wide					95	close
Teat placem.r.	wide					87	close
Fore udder att.	loose					106	tight
Udder depth	deep					105	shallow
Teat length	short					105	long

- Improve health
- Calving ease
- A2/A2

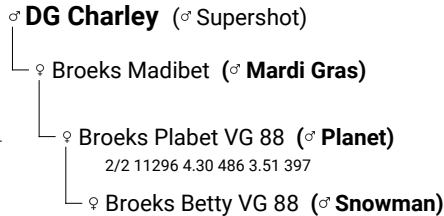
Proof: VIT / 08-2022

Daughters/Herds: 53/13

Casino

VEELHORST DG MADRID

156583 born: 11.02.2017
 HOLNLDM000865720444
aAa 351426



Bacardi

RZG 154 97 %	RZ€ 2327 96 %	RZM 151 99 %	RZE 118 98 %	RZS 118 98 %	RZN 137 85 %	RZR 100 84 %	RZKd 110 98 %	RZKm 113 96 %	RZD 102 97 %
----------------------------------	-----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	-----------------------------------	-----------------------------------	----------------------------------

RZ health	107	90 %
RZ udderfit	101	85 %
RZ hoof	107	79 %
RZ metabol	106	84 %
RZ repro	103	77 %
RZ calfhealth	109	96 %
DDcontrol	111	85 %

RZRobot	113	98 %
Cappa-Casein	-	
Beta-Casein	A2A2	
Milk	Fat	Protein
+1884 kg	+0.09 %	+0.00 %
	+86 kg	+64 kg
Reliability	99 %	
Daughters	2364	
Herds	667	

	76	88	100	112	124	
Dairy type						
Body						102
Feet & Legs						111
Udder						121
Stature	small					107
Dairy character	little					98
Body depth	shallow					111
Strength	narrow					107
Rump angle	ascending					111
Rump width	narrow					100
Rear leg angle	straight					93
Foot angle	low angle					119
Hocks	swollen					103
Rear leg set r.v.	toes out					105
Locomotion	bad					118
Rear udder h.	low					102
Suspens. lig.	weak					92
Teat placem.f.	wide					111
Teat placem.r.	wide					104
Fore udder att.	loose					108
Udder depth	deep					100
Teat length	short					97

- Milk production
- Functionality
- Hoof health

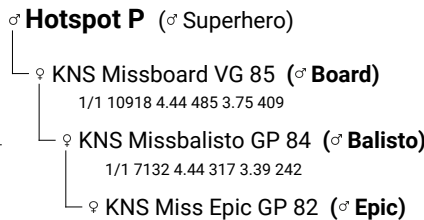
Proof: VIT / 08-2022

Daughters/Herds: 1153/300

Hogwart PP

KNS Hogwart PP

PP*
823233 born: 07.12.2018
 HOLDEUM000361080162
aAa 432561



Hogwart PP

RZG 133 83 %	RZ€ 1355 85 %	RZM 131 76 %	RZE 113 74 %	RZS 110 78 %	RZN 114 69 %	RZR 114 58 %	RZKd 112 97 %	RZKm 102 66 %	RZD 91 79 %
----------------------------------	-----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	-----------------------------------	-----------------------------------	---------------------------------

RZ health	107	75 %
RZ udderfit	107	66 %
RZ hoof	101	57 %
RZ metabol	100	61 %
RZ repro	102	57 %
RZ calfhealth	89	91 %
DDcontrol	91	57 %

RZRobot	---	-- %
Cappa-Casein	AE	
Beta-Casein	A2A2	
Milk	Fat	Protein
+662 kg	+0.20 %	+0.16 %
	+48 kg	+40 kg
Reliability	76 %	
Daughters	-	
Herds	-	

	76	88	100	112	124	
Dairy type						
Body						110
Feet & Legs						97
Udder						104
Stature	small					104
Dairy character	little					110
Body depth	shallow					100
Strength	narrow					95
Rump angle	ascending					88
Rump width	narrow					97
Rear leg angle	straight					81
Foot angle	low angle					112
Hocks	swollen					101
Rear leg set r.v.	toes out					101
Locomotion	bad					103
Rear udder h.	low					113
Suspens. lig.	weak					107
Teat placem.f.	wide					101
Teat placem.r.	wide					104
Fore udder att.	loose					111
Udder depth	deep					111
Teat length	short					90

- Functionality
- Milk & Components
- Fits for AMS

Proof: VIT / 08-2022

Daughters/Herds: -/-

Kensington

Anderstrup Kensington

684688 born: 10.04.2017
 HOLDNKM000000259312
 aAa 423156



♂ **Kerrigan** (♂ Kingboy)
 ♀ Anderstrup Commander Milla VG 88 (♂ **Commander**)
 4/4 19293 3.68 710 3.32 641
 ♀ Debel Bynke Myself VG 87 (♂ **Bynke**)
 6/6 16975 3.59 609 3.25 551
 ♀ Debel Planet Mani VG 85 (♂ **Planet**)



progeny tested

HOLSTEIN

RZG	RZ€	RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
141	1738	151	113	120	108	97	99	106	87
96 %	95 %	99 %	97 %	97 %	80 %	77 %	94 %	94 %	96 %

RZ health	109	85 %
RZ udderfit	103	78 %
RZ hoof	102	70 %
RZ metabol	106	76 %
RZ repro	108	71 %
RZ calfhealth	105	92 %
DDcontrol	97	73 %

RZRobot	---	-- %
Cappa-Casein	AB	
Beta-Casein	A2A2	
Milk	Fat	Protein
+1388 kg	+0.19 %	+0.17 %
	+77 kg	+67 kg
Reliability	99 %	
Daughters	1043	
Herds	448	

	76	88	100	112	124		
Dairy type						132	
Body						106	
Feet & Legs						107	
Udder						102	
Stature	small					124	tall
Dairy character	little					132	angular
Body depth	shallow					107	deep
Strength	narrow					91	wide
Rump angle	ascending					94	sloped
Rump width	narrow					119	wide
Rear leg angle	straight					105	sickled
Foot angle	low angle					107	steep angle
Hocks	swollen					99	clean
Rear leg set r.v.	toes out					109	parallel
Locomotion	bad					104	good
Rear udder h.	low					107	high
Suspens. lig.	weak					127	strong
Teat placem.f.	wide					109	close
Teat placem.r.	wide					120	close
Fore udder att.	loose					95	tight
Udder depth	deep					96	shallow
Teat length	short					135	long

- Milk production
- Type
- A2A2

Proof: VIT / 08-2022

Daughters/Herds: 469/187

Lover

Ronelee RUW LOVER

688217 born: 24.11.2019
 HOLDEUM000540935242
 aAa 234165



♂ **Lavonte** (♂ Superhero)
 ♀ Ronelee Reason Frostbite (♂ **Reason**)
 1/1 11014 4.11 453 3.49 384
 ♀ Ronelee Midnight Frost VG 88 (♂ **Midnight**)
 2/2 11445 4.46 511 3.42 391
 ♀ Ronelee Feeling Fancy EX 94 (♂ **Mogul**)



genomic

HOLSTEIN

RZG	RZ€	RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
145	1760	127	121	113	125	110	99	104	106
80 %	83 %	73 %	70 %	76 %	66 %	52 %	60 %	62 %	75 %

RZ health	122	70 %
RZ udderfit	111	60 %
RZ hoof	109	51 %
RZ metabol	108	54 %
RZ repro	113	52 %
RZ calfhealth	102	49 %
DDcontrol	106	51 %

RZRobot	---	-- %
Cappa-Casein	BB	
Beta-Casein	A2A2	
Milk	Fat	Protein
+1179 kg	-0.12 %	-0.02 %
	+34 kg	+39 kg
Reliability	73 %	
Daughters	-	
Herds	-	

	76	88	100	112	124		
Dairy type						104	
Body						102	
Feet & Legs						104	
Udder						123	
Stature	small					112	tall
Dairy character	little					105	angular
Body depth	shallow					100	deep
Strength	narrow					99	wide
Rump angle	ascending					112	sloped
Rump width	narrow					103	wide
Rear leg angle	straight					87	sickled
Foot angle	low angle					116	steep angle
Hocks	swollen					92	clean
Rear leg set r.v.	toes out					103	parallel
Locomotion	bad					103	good
Rear udder h.	low					113	high
Suspens. lig.	weak					106	strong
Teat placem.f.	wide					109	close
Teat placem.r.	wide					107	close
Fore udder att.	loose					124	tight
Udder depth	deep					122	shallow
Teat length	short					94	long

- Longevity
- Fits for AMS
- Udder

Proof: VIT / 08-2022

Daughters/Herds: -/-

Selfie



154234 born: 03.12.2015
 HOLDEUM00066860668
 aAa 342156

♂ **Supershot** (♂ Supersire)
 ♀ Heidenskipster Amy VG 85 (♂ McCutchen)
 3/3 11693 3.88 454 3.43 401
 ♀ Sandy-Valley IO Amethyst VG 87 (♂ Altalota)
 1/1 10555 4.05 427 3.39 358
 ♀ Sandy-Valley Sapphire VG 87 (♂ Planet)



RZG	RZ€	RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
133	1076	121	130	100	118	115	95	101	113
98 %	97 %	99 %	96 %	98 %	92 %	84 %	94 %	95 %	93 %

RZ health	106	92 %
RZ udderfit	101	89 %
RZ hoof	111	84 %
RZ metabol	99	84 %
RZ repro	106	79 %
RZ calfhealth	107	89 %
DDcontrol	118	87 %

RZRobot	---	-- %
Cappa-Casein	AA	
Beta-Casein	A1A1	
Milk	Fat	Protein
+1485 kg	-0.30 %	-0.17 %
	+25 kg	+32 kg
Reliability	99 %	
Daughters	1189	
Herds	423	

	76	88	100	112	124		
Dairy type						105	
Body						117	
Feet & Legs						125	
Udder						115	
Stature	small					120	tall
Dairy character	little					100	angular
Body depth	shallow					111	deep
Strength	narrow					115	wide
Rump angle	ascending					95	sloped
Rump width	narrow					111	wide
Rear leg angle	straight					101	sickled
Foot angle	low angle					111	steep angle
Hocks	swollen					113	clean
Rear leg set r.v.	toes out					107	parallel
Locomotion	bad					121	good
Rear udder h.	low					114	high
Suspens. lig.	weak					101	strong
Teat placem.f.	wide					133	close
Teat placem.r.	wide					126	close
Fore udder att.	loose					119	tight
Udder depth	deep					113	shallow
Teat length	short					94	long

- Milk production
- Daughter fertility
- Hoof health

Proof: VIT / 08-2022

Daughters/Herds: 477/140

Senetto



Lis Senetto
811601 born: 19.05.2017
 HOLLUXM000799563458
 aAa 312546

♂ **Superhero** (♂ Supershot)
 ♀ Lis Opal EX 91 (♂ Silver)
 4/4 14348 4.60 660 3.34 479
 ♀ Desu Oak 8255 VG 85 (♂ AltaOak)
 2/2 13382 3.86 517 3.36 450
 ♀ De-Su 1565-ET VG 86 (♂ Bookem)



RZG	RZ€	RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
141	1582	131	119	122	120	118	93	106	89
92 %	92 %	93 %	91 %	90 %	74 %	67 %	77 %	82 %	91 %

RZ health	120	83 %
RZ udderfit	112	76 %
RZ hoof	107	69 %
RZ metabol	109	71 %
RZ repro	113	67 %
RZ calfhealth	93	76 %
DDcontrol	108	72 %

RZRobot	---	-- %
Cappa-Casein	AE	
Beta-Casein	A1A2	
Milk	Fat	Protein
+1589 kg	-0.13 %	-0.13 %
	+48 kg	+40 kg
Reliability	93 %	
Daughters	133	
Herds	48	

	76	88	100	112	124		
Dairy type						115	
Body						107	
Feet & Legs						102	
Udder						118	
Stature	small					106	tall
Dairy character	little					113	angular
Body depth	shallow					107	deep
Strength	narrow					99	wide
Rump angle	ascending					89	sloped
Rump width	narrow					105	wide
Rear leg angle	straight					88	sickled
Foot angle	low angle					93	steep angle
Hocks	swollen					98	clean
Rear leg set r.v.	toes out					105	parallel
Locomotion	bad					106	good
Rear udder h.	low					127	high
Suspens. lig.	weak					114	strong
Teat placem.f.	wide					85	close
Teat placem.r.	wide					102	close
Fore udder att.	loose					108	tight
Udder depth	deep					110	shallow
Teat length	short					107	long

- Strength
- Udder
- Hoof health

Proof: VIT / 08-2022

Daughters/Herds: 115/36

Shiraz PP

KNS Shiraz PP

PP*

574198 born: 08.04.2020

HOLDEUM000361986026

aAa 324156



♂ **Simon P** (♂ Semino)

♀ **Glasperlen GP 83** (♂ Mission P)

2/1 9768 4.21 411 3.63 355

♀ **Georgia GP 84** (♂ PowerballP)

4/3 8323 4.66 388 3.66 305

♀ **De-su 3465** (♂ Balisto)



Shiraz PP

genomic

HOLSTEIN

RZG	RZ€	RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
138	1632	134	110	123	118	99	100	109	87
81 %	83 %	74 %	72 %	76 %	67 %	53 %	62 %	63 %	76 %

RZ health	113	72 %
RZ udderfit	108	62 %
RZ hoof	111	54 %
RZ metabol	103	56 %
RZ repro	101	54 %
RZ calfhealth	95	52 %
DDcontrol	105	56 %

RZRobot	---	-- %
Cappa-Casein	AB	
Beta-Casein	A2A2	
Milk	Fat	Protein
+624 kg	+0.31 %	+0.18 %
	+58 kg	+41 kg
Reliability	74 %	
Daughters	-	
Herds	-	

	76	88	100	112	124	
Dairy type						95
Body						109
Feet & Legs						102
Udder						109
Stature	small					106 tall
Dairy character	little					94 angular
Body depth	shallow					104 deep
Strength	narrow					114 wide
Rump angle	ascending					92 sloped
Rump width	narrow					102 wide
Rear leg angle	straight					93 sickled
Foot angle	low angle					110 steep angle
Hocks	swollen					96 clean
Rear leg set r.v.	toes out					98 parallel
Locomotion	bad					100 good
Rear udder h.	low					102 high
Suspens. lig.	weak					102 strong
Teat placem.f.	wide					105 close
Teat placem.r.	wide					100 close
Fore udder att.	loose					110 tight
Udder depth	deep					108 shallow
Teat length	short					107 long

- Components
- Longevity
- Udder health

Proof: VIT / 08-2022

Daughters/Herds: -/-

Sinclair

H5C

804345 born: 02.09.2013

HOLDEUM000538108949

aAa 342516



♂ **Shaw** (♂ Freddie)

♀ **Sambuca VG 86** (♂ Beacon)

5/5 12072 4.13 499 3.48 420

♀ **Sarah VG 86** (♂ Goldwin)

6/6 12253 3.87 474 3.26 399

♀ **Saphir VG 86** (♂ Bormio)



Sigrid

progeny tested

HOLSTEIN

RZG	RZ€	RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
125	850	125	113	106	107	108	108	81	109
98 %	98 %	99 %	96 %	98 %	95 %	88 %	95 %	95 %	94 %

RZ health	105	95 %
RZ udderfit	101	93 %
RZ hoof	100	90 %
RZ metabol	104	87 %
RZ repro	109	87 %
RZ calfhealth	83	92 %
DDcontrol	101	92 %

RZRobot	---	-- %
Cappa-Casein	AB	
Beta-Casein	-/-	
Milk	Fat	Protein
+948 kg	+0.06 %	-0.02 %
	+44 kg	+31 kg
Reliability	99 %	
Daughters	1163	
Herds	278	

	76	88	100	112	124	
Dairy type						75
Body						104
Feet & Legs						112
Udder						114
Stature	small					86 tall
Dairy character	little					75 angular
Body depth	shallow					101 deep
Strength	narrow					118 wide
Rump angle	ascending					105 sloped
Rump width	narrow					100 wide
Rear leg angle	straight					109 sickled
Foot angle	low angle					82 steep angle
Hocks	swollen					117 clean
Rear leg set r.v.	toes out					114 parallel
Locomotion	bad					110 good
Rear udder h.	low					106 high
Suspens. lig.	weak					104 strong
Teat placem.f.	wide					103 close
Teat placem.r.	wide					110 close
Fore udder att.	loose					122 tight
Udder depth	deep					109 shallow
Teat length	short					94 long

- Functionality
- Milk production
- Medium framed

Proof: VIT / 08-2022

Daughters/Herds: 380/77

Skinner RDC

RDC
823255 born: 04.09.2019
 HOLDEUM000361971737
 aAa 342516



RZG 150 83 %	RZ€ 2124 85 %	RZM 136 76 %	RZE 113 74 %	RZS 122 78 %	RZN 125 69 %	RZR 112 58 %	RZKd 96 84 %	RZKm 107 66 %	RZD 86 77 %
---------------------------	----------------------------	---------------------------	---------------------------	---------------------------	---------------------------	---------------------------	---------------------------	----------------------------	--------------------------

RZ health	126	75 %
RZ udderfit	117	66 %
RZ hoof	113	57 %
RZ metabol	110	61 %
RZ repro	108	57 %
RZ calfhealth	102	59 %
DDcontrol	118	56 %

RZRobot	---	-- %
Cappa-Casein	BB	
Beta-Casein	A2A2	
Milk	+1367 kg	
Fat	+0.03 %	-0.01 %
Protein	+58 kg	+45 kg
Reliability	76 %	
Daughters	-	
Herds	-	

	76	88	100	112	124	
Dairy type						99
Body						87
Feet & Legs						118
Udder						110
Stature	small					91 tall
Dairy character	little					99 angular
Body depth	shallow					86 deep
Strength	narrow					92 wide
Rump angle	ascending					99 sloped
Rump width	narrow					90 wide
Rear leg angle	straight					101 sickled
Foot angle	low angle					101 steep angle
Hocks	swollen					114 clean
Rear leg set r.v.	toes out					111 parallel
Locomotion	bad					113 good
Rear udder h.	low					109 high
Suspens. lig.	weak					97 strong
Teat placem.f.	wide					113 close
Teat placem.r.	wide					106 close
Fore udder att.	loose					111 tight
Udder depth	deep					106 shallow
Teat length	short					97 long

- Functionality
- Milk production
- Improves health

Proof: VIT / 08-2022

Daughters/Herds: -/-

Systole

KHE Systole
823212 born: 06.07.2017
 HOLDEUM001504401583
 aAa 432156



RZG 145 95 %	RZ€ 1710 94 %	RZM 135 98 %	RZE 122 94 %	RZS 119 96 %	RZN 122 78 %	RZR 117 74 %	RZKd 111 97 %	RZKm 116 93 %	RZD 99 94 %
---------------------------	----------------------------	---------------------------	---------------------------	---------------------------	---------------------------	---------------------------	----------------------------	----------------------------	--------------------------

RZ health	116	83 %
RZ udderfit	109	76 %
RZ hoof	109	62 %
RZ metabol	107	78 %
RZ repro	107	70 %
RZ calfhealth	97	94 %
DDcontrol	108	62 %

RZRobot	123	94 %
Cappa-Casein	AB	
Beta-Casein	A2A2	
Milk	+1167 kg	
Fat	+0.00 %	+0.07 %
Protein	+47 kg	+48 kg
Reliability	98 %	
Daughters	680	
Herds	150	

	76	88	100	112	124	
Dairy type						112
Body						97
Feet & Legs						119
Udder						115
Stature	small					104 tall
Dairy character	little					108 angular
Body depth	shallow					105 deep
Strength	narrow					95 wide
Rump angle	ascending					81 sloped
Rump width	narrow					99 wide
Rear leg angle	straight					107 sickled
Foot angle	low angle					91 steep angle
Hocks	swollen					114 clean
Rear leg set r.v.	toes out					114 parallel
Locomotion	bad					119 good
Rear udder h.	low					122 high
Suspens. lig.	weak					102 strong
Teat placem.f.	wide					100 close
Teat placem.r.	wide					91 close
Fore udder att.	loose					104 tight
Udder depth	deep					111 shallow
Teat length	short					100 long

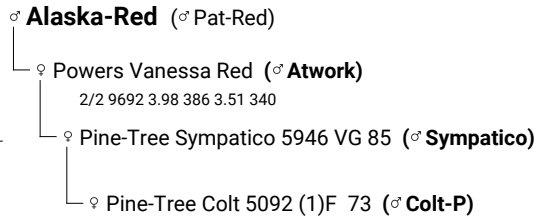
- Udder health
- Longevity
- Hoof health

Proof: VIT / 08-2022

Daughters/Herds: 255/44

Albada Red

157712 born: 17.05.2018
 HOLNLDM000686833943
 aAa 234156



genomic
 RED HOLSTEIN

RZG 142 82 %	RZ€ 1684 84 %	RZM 122 75 %	RZE 122 72 %	RZS 119 77 %	RZN 125 69 %	RZR 110 56 %	RZKd 119 77 %	RZKm 106 65 %	RZD 103 77 %
---------------------------	----------------------------	---------------------------	---------------------------	---------------------------	---------------------------	---------------------------	----------------------------	----------------------------	---------------------------

RZ health	122	72 %
RZ udderfit	111	63 %
RZ hoof	110	54 %
RZ metabol	112	57 %
RZ repro	108	55 %
RZ calfhealth	99	60 %
DDcontrol	110	54 %

RZRobot	---	-- %
Cappa-Casein	AA	
Beta-Casein	A2A3	
Milk	Fat	Protein
+1070 kg	-0.15 %	-0.05 %
	+29 kg	+32 kg
Reliability	75 %	
Daughters	-	
Herds	-	

	76	88	100	112	124	
Dairy type						113
Body						106
Feet & Legs						107
Udder						118
Stature	small					112 tall
Dairy character	little					111 angular
Body depth	shallow					104 deep
Strength	narrow					103 wide
Rump angle	ascending					99 sloped
Rump width	narrow					101 wide
Rear leg angle	straight					99 sickled
Foot angle	low angle					95 steep angle
Hocks	swollen					98 clean
Rear leg set r.v.	toes out					109 parallel
Locomotion	bad					108 good
Rear udder h.	low					113 high
Suspens. lig.	weak					98 strong
Teat placem.f.	wide					113 close
Teat placem.r.	wide					110 close
Fore udder att.	loose					116 tight
Udder depth	deep					115 shallow
Teat length	short					99 long

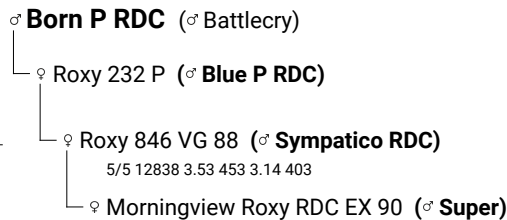
- Longevity
- Improve health
- Conformation

Proof: VIT / 08-2022

Daughters/Herds: -/-

Broker PP

PP*
 917620 born: 02.05.2018
 HOLDEUM000540483226
 aAa 243165



genomic
 RED HOLSTEIN

RZG 136 82 %	RZ€ 1578 85 %	RZM 129 75 %	RZE 112 73 %	RZS 102 77 %	RZN 114 69 %	RZR 103 57 %	RZKd 108 96 %	RZKm 109 65 %	RZD 103 78 %
---------------------------	----------------------------	---------------------------	---------------------------	---------------------------	---------------------------	---------------------------	----------------------------	----------------------------	---------------------------

RZ health	115	74 %
RZ udderfit	106	64 %
RZ hoof	106	56 %
RZ metabol	111	59 %
RZ repro	106	56 %
RZ calfhealth	120	91 %
DDcontrol	97	56 %

RZRobot	---	-- %
Cappa-Casein	AB	
Beta-Casein	A2A2	
Milk	Fat	Protein
+1060 kg	+0.10 %	-0.04 %
	+54 kg	+33 kg
Reliability	75 %	
Daughters	-	
Herds	-	

	76	88	100	112	124	
Dairy type						109
Body						96
Feet & Legs						107
Udder						111
Stature	small					114 tall
Dairy character	little					109 angular
Body depth	shallow					97 deep
Strength	narrow					96 wide
Rump angle	ascending					119 sloped
Rump width	narrow					96 wide
Rear leg angle	straight					107 sickled
Foot angle	low angle					105 steep angle
Hocks	swollen					103 clean
Rear leg set r.v.	toes out					107 parallel
Locomotion	bad					103 good
Rear udder h.	low					106 high
Suspens. lig.	weak					118 strong
Teat placem.f.	wide					99 close
Teat placem.r.	wide					112 close
Fore udder att.	loose					107 tight
Udder depth	deep					107 shallow
Teat length	short					113 long

- Milk production
- A2A2
- Improves health

Proof: VIT / 08-2022

Daughters/Herds: -/-

El Toro

Morningview RUW El Toro

917594 born: 25.03.2017
 HOLDEUM000770417244
aAa 423516



♂ **Eloped Red** (♂ Sympatico RDC)
 ♀ Morningview Racer 4405 RDC VG 88 (♂ **Racer**)
 3/3 16575 3.80 630 3.43 568
 ♀ Morningview Mogul Renea RDC VG 88 (♂ **Mogul**)
 2/2 14309 4.19 599 3.32 475
 ♀ Morningview Super Roxy RDC EX 90 (♂ **Super**)



Trixi

RZG	RZ€	RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
144	1748	152	112	110	109	103	114	104	100
93 %	93 %	96 %	90 %	94 %	76 %	69 %	93 %	88 %	89 %

RZ health	109	78 %
RZ udderfit	101	70 %
RZ hoof	110	61 %
RZ metabol	102	66 %
RZ repro	106	61 %
RZ calfhealth	84	84 %
DDcontrol	112	62 %

RZRobot	---	--	%
Cappa-Casein	BB		
Beta-Casein	A1A1		
Milk	Fat	Protein	
+2520 kg	-0.31 %	-0.12 %	
	+68 kg	+75 kg	
Reliability	96 %		
Daughters	421		
Herds	234		

	76	88	100	112	124		
Dairy type						108	
Body						94	
Feet & Legs						102	
Udder						115	
Stature	small					107	tall
Dairy character	little					111	angular
Body depth	shallow					92	deep
Strength	narrow					94	wide
Rump angle	ascending					111	sloped
Rump width	narrow					98	wide
Rear leg angle	straight					110	sickled
Foot angle	low angle					96	steep angle
Hocks	swollen					100	clean
Rear leg set r.v.	toes out					105	parallel
Locomotion	bad					103	good
Rear udder h.	low					119	high
Suspens. lig.	weak					95	strong
Teat placem.f.	wide					130	close
Teat placem.r.	wide					120	close
Fore udder att.	loose					111	tight
Udder depth	deep					110	shallow
Teat length	short					99	long

- Milk
- Type
- Milking speed

Proof: VIT / 08-2022

Daughters/Herds: 115/69

Miracle PP

Waldclass Miracle PP

PP*
917632 born: 22.03.2019
 HOLNLDM000564906990
aAa 243156



♂ **My Dream P RDC** (♂ Mission P RDC)
 ♀ NH Mission P VG 85 (♂ **Styx Red**)
 3/2 9976 3.77 376 3.28 327
 ♀ Merle PP VG 88 (♂ **Capple P**)
 3/3 14216 3.72 529 3.45 490
 ♀ Maya P VG 86 (♂ **Asterix P**)



Miracle PP

RZG	RZ€	RZM	RZE	RZS	RZN	RZR	RZKd	RZKm	RZD
137	1403	120	122	114	119	101	114	107	100
82 %	84 %	75 %	73 %	77 %	68 %	56 %	92 %	65 %	77 %

RZ health	118	74 %
RZ udderfit	111	65 %
RZ hoof	116	57 %
RZ metabol	104	60 %
RZ repro	101	57 %
RZ calfhealth	116	74 %
DDcontrol	117	57 %

RZRobot	121	74 %
Cappa-Casein	BB	
Beta-Casein	A1A2	
Milk	Fat	Protein
+901 kg	-0.20 %	+0.02 %
	+17 kg	+34 kg
Reliability	75 %	
Daughters	-	
Herds	-	

	76	88	100	112	124		
Dairy type						107	
Body						91	
Feet & Legs						113	
Udder						123	
Stature	small					103	tall
Dairy character	little					105	angular
Body depth	shallow					90	deep
Strength	narrow					91	wide
Rump angle	ascending					92	sloped
Rump width	narrow					91	wide
Rear leg angle	straight					100	sickled
Foot angle	low angle					102	steep angle
Hocks	swollen					110	clean
Rear leg set r.v.	toes out					108	parallel
Locomotion	bad					107	good
Rear udder h.	low					117	high
Suspens. lig.	weak					105	strong
Teat placem.f.	wide					101	close
Teat placem.r.	wide					97	close
Fore udder att.	loose					119	tight
Udder depth	deep					120	shallow
Teat length	short					107	long

- Conformation
- Improve health
- Udder

Proof: VIT / 08-2022

Daughters/Herds: -/-

Performer

Warner Holsteins PERFORMER

917665 born: 22.12.2019
 HOLDEUM000541194964
 aAa 342516



genomic

RED HOLSTEIN

RZG 151 80 %	RZ€ 2335 83 %	RZM 132 73 %	RZE 108 70 %	RZS 123 76 %	RZN 130 66 %	RZR 110 53 %	RZKd 107 58 %	RZKm 110 62 %	RZD 97 75 %
----------------------------------	-----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	-----------------------------------	-----------------------------------	---------------------------------

RZ health	128	71 %
RZ udderfit	117	61 %
RZ hoof	112	52 %
RZ metabol	111	55 %
RZ repro	111	53 %
RZ calfhealth	122	45 %
DDcontrol	100	52 %

RZRobot	107	72 %
Cappa-Casein	BB	
Beta-Casein	A1A2	
Milk	Fat	Protein
+1342 kg	+0.01 %	-0.09 %
	+57 kg	+38 kg
Reliability	73 %	
Daughters	-	
Herds	-	

	76	88	100	112	124	
Dairy type						97
Body						97
Feet & Legs						106
Udder						109
Stature	small					100 tall
Dairy character	little					97 angular
Body depth	shallow					102 deep
Strength	narrow					101 wide
Rump angle	ascending					81 sloped
Rump width	narrow					91 wide
Rear leg angle	straight					95 sickled
Foot angle	low angle					106 steep angle
Hocks	swollen					107 clean
Rear leg set r.v.	toes out					95 parallel
Locomotion	bad					104 good
Rear udder h.	low					104 high
Suspens. lig.	weak					114 strong
Teat placem.f.	wide					100 close
Teat placem.r.	wide					106 close
Fore udder att.	loose					107 tight
Udder depth	deep					106 shallow
Teat length	short					96 long

- Improve health
- Longevity
- Calf health

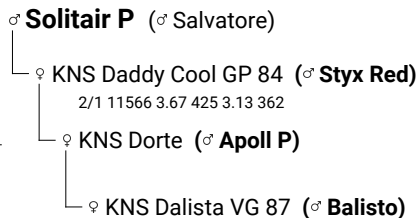
Proof: VIT / 08-2022

Daughters/Herds: -/-

Simply Red

KNS Simply Red

823264 born: 07.11.2019
 HOLDEUM000361985968
 aAa 342561



genomic

RED HOLSTEIN

RZG 151 82 %	RZ€ 2089 84 %	RZM 132 76 %	RZE 123 73 %	RZS 127 77 %	RZN 129 67 %	RZR 107 54 %	RZKd 121 79 %	RZKm 106 65 %	RZD 85 77 %
----------------------------------	-----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	-----------------------------------	-----------------------------------	---------------------------------

RZ health	122	72 %
RZ udderfit	116	62 %
RZ hoof	109	53 %
RZ metabol	105	57 %
RZ repro	108	54 %
RZ calfhealth	108	55 %
DDcontrol	103	53 %

RZRobot	---	-- %
Cappa-Casein	BB	
Beta-Casein	A1A1	
Milk	Fat	Protein
+1214 kg	-0.06 %	+0.02 %
	+44 kg	+44 kg
Reliability	76 %	
Daughters	-	
Herds	-	

	76	88	100	112	124	
Dairy type						108
Body						101
Feet & Legs						115
Udder						117
Stature	small					105 tall
Dairy character	little					108 angular
Body depth	shallow					93 deep
Strength	narrow					94 wide
Rump angle	ascending					107 sloped
Rump width	narrow					112 wide
Rear leg angle	straight					105 sickled
Foot angle	low angle					102 steep angle
Hocks	swollen					109 clean
Rear leg set r.v.	toes out					113 parallel
Locomotion	bad					109 good
Rear udder h.	low					112 high
Suspens. lig.	weak					99 strong
Teat placem.f.	wide					110 close
Teat placem.r.	wide					99 close
Fore udder att.	loose					117 tight
Udder depth	deep					116 shallow
Teat length	short					94 long

- Improves health
- Udder
- Longevity

Proof: VIT / 08-2022

Daughters/Herds: -/-

Hegel

866073

Born: 28.12.2019
DE 09 55445139
aAa 564132



Hegel

gTMI 133 77%
Components **Milking speed** **Udder**

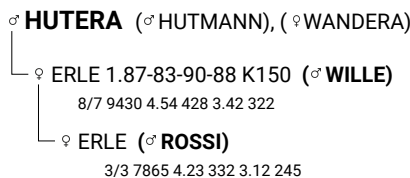
Milk	MI 125 86%	Beef Performance	BI 112 77%	Fitness	FIT 111 81%	Type traits	- Daughters																																																																																																																																																																				
Milk +763 kg	Fat +0.14 % Protein +0.01 % +45 kg +28 kg	Daily net gain 114 79%	Carcass percentage 108 76%	Longevity 102 69%	Udder health 104 83%	Trait 76 88 100 112 124																																																																																																																																																																					
Daughters Herds	Cappa-Casein AB Beta-Casein A2A2	Carcass grade 108 75%	Calving ease pat. 104 96%	Calving ease mat. 105 78%	Prod. increase 95 73%	<table border="1"> <tr><td>Frame</td><td></td><td></td><td></td><td></td><td>106</td></tr> <tr><td>Muscling</td><td></td><td></td><td></td><td></td><td>97</td></tr> <tr><td>Feet & Legs</td><td></td><td></td><td></td><td></td><td>100</td></tr> <tr><td>Udder</td><td></td><td></td><td></td><td></td><td>122</td></tr> <tr><td>Height at cross</td><td>small</td><td></td><td></td><td></td><td>108</td><td>large</td></tr> <tr><td>Body length</td><td>short</td><td></td><td></td><td></td><td>107</td><td>long</td></tr> <tr><td>Rump width</td><td>narrow</td><td></td><td></td><td></td><td>104</td><td>wide</td></tr> <tr><td>Body depth</td><td>shallow</td><td></td><td></td><td></td><td>104</td><td>deep</td></tr> <tr><td>Rump angle</td><td>ascending</td><td></td><td></td><td></td><td>110</td><td>sloped</td></tr> <tr><td>Hock angularity</td><td>straight</td><td></td><td></td><td></td><td>103</td><td>sickled</td></tr> <tr><td>Hock develop.</td><td>swollen</td><td></td><td></td><td></td><td>98</td><td>dry</td></tr> <tr><td>Pasterns</td><td>weak</td><td></td><td></td><td></td><td>95</td><td>strong</td></tr> <tr><td>Foot angle</td><td>low angles</td><td></td><td></td><td></td><td>107</td><td>steep angles</td></tr> <tr><td>Fore udder length</td><td>short</td><td></td><td></td><td></td><td>117</td><td>long</td></tr> <tr><td>Rear udder length</td><td>short</td><td></td><td></td><td></td><td>102</td><td>long</td></tr> <tr><td>Fore udder att.</td><td>loose</td><td></td><td></td><td></td><td>110</td><td>tight</td></tr> <tr><td>Susp. ligament</td><td>weak</td><td></td><td></td><td></td><td>107</td><td>strong</td></tr> <tr><td>Udder depth</td><td>deep</td><td></td><td></td><td></td><td>112</td><td>high</td></tr> <tr><td>Teat length</td><td>short</td><td></td><td></td><td></td><td>91</td><td>long</td></tr> <tr><td>Teat thickness</td><td>thin</td><td></td><td></td><td></td><td>93</td><td>thick</td></tr> <tr><td>Teat placem. (front)</td><td>wide</td><td></td><td></td><td></td><td>110</td><td>close</td></tr> <tr><td>Teat placem. (rear)</td><td>wide</td><td></td><td></td><td></td><td>112</td><td>close</td></tr> <tr><td>Teat direction (rear)</td><td>outwards</td><td></td><td></td><td></td><td>120</td><td>inwards</td></tr> <tr><td>Udder cleanliness</td><td>add. teats</td><td></td><td></td><td></td><td>98</td><td>clean udder</td></tr> </table>		Frame					106	Muscling					97	Feet & Legs					100	Udder					122	Height at cross	small				108	large	Body length	short				107	long	Rump width	narrow				104	wide	Body depth	shallow				104	deep	Rump angle	ascending				110	sloped	Hock angularity	straight				103	sickled	Hock develop.	swollen				98	dry	Pasterns	weak				95	strong	Foot angle	low angles				107	steep angles	Fore udder length	short				117	long	Rear udder length	short				102	long	Fore udder att.	loose				110	tight	Susp. ligament	weak				107	strong	Udder depth	deep				112	high	Teat length	short				91	long	Teat thickness	thin				93	thick	Teat placem. (front)	wide				110	close	Teat placem. (rear)	wide				112	close	Teat direction (rear)	outwards				120	inwards	Udder cleanliness	add. teats				98	clean udder
Frame					106																																																																																																																																																																						
Muscling					97																																																																																																																																																																						
Feet & Legs					100																																																																																																																																																																						
Udder					122																																																																																																																																																																						
Height at cross	small				108	large																																																																																																																																																																					
Body length	short				107	long																																																																																																																																																																					
Rump width	narrow				104	wide																																																																																																																																																																					
Body depth	shallow				104	deep																																																																																																																																																																					
Rump angle	ascending				110	sloped																																																																																																																																																																					
Hock angularity	straight				103	sickled																																																																																																																																																																					
Hock develop.	swollen				98	dry																																																																																																																																																																					
Pasterns	weak				95	strong																																																																																																																																																																					
Foot angle	low angles				107	steep angles																																																																																																																																																																					
Fore udder length	short				117	long																																																																																																																																																																					
Rear udder length	short				102	long																																																																																																																																																																					
Fore udder att.	loose				110	tight																																																																																																																																																																					
Susp. ligament	weak				107	strong																																																																																																																																																																					
Udder depth	deep				112	high																																																																																																																																																																					
Teat length	short				91	long																																																																																																																																																																					
Teat thickness	thin				93	thick																																																																																																																																																																					
Teat placem. (front)	wide				110	close																																																																																																																																																																					
Teat placem. (rear)	wide				112	close																																																																																																																																																																					
Teat direction (rear)	outwards				120	inwards																																																																																																																																																																					
Udder cleanliness	add. teats				98	clean udder																																																																																																																																																																					
				Persistence 93 79%	Som. cell count 105 79%																																																																																																																																																																						
				Fertility mat. 120 70%	Milking speed 123 85%																																																																																																																																																																						
				Vitality 103 81%	Ecol. TMI 125 83%																																																																																																																																																																						

Proof: ZAR / 08-2022

HugoBoss

606193 Pigm.: 45%

Born: 19.02.2015
AT 62 9905 428
aAa 342561



HugoBoss

TMI 116 98%
Feet & Legs **Milking speed** **Milk**

Milk	MI 119 99%	Beef Performance	BI 94 99%	Fitness	FIT 99 98%	Type traits	728 Daughters																																																																																																																																																																				
Milk +985 kg	Fat -0.06 % Protein -0.15 % +36 kg +21 kg	Daily net gain 85 99%	Carcass percentage 100 99%	Longevity 103 96%	Udder health 101 98%	Trait 76 88 100 112 124																																																																																																																																																																					
Daughters Herds	Cappa-Casein AA Beta-Casein A1A2	Carcass grade 97 99%	Calving ease pat. 100 99%	Calving ease mat. 97 99%	Prod. increase 98 99%	<table border="1"> <tr><td>Frame</td><td></td><td></td><td></td><td></td><td>97</td></tr> <tr><td>Muscling</td><td></td><td></td><td></td><td></td><td>96</td></tr> <tr><td>Feet & Legs</td><td></td><td></td><td></td><td></td><td>121</td></tr> <tr><td>Udder</td><td></td><td></td><td></td><td></td><td>107</td></tr> <tr><td>Height at cross</td><td>small</td><td></td><td></td><td></td><td>96</td><td>large</td></tr> <tr><td>Body length</td><td>short</td><td></td><td></td><td></td><td>94</td><td>long</td></tr> <tr><td>Rump width</td><td>narrow</td><td></td><td></td><td></td><td>94</td><td>wide</td></tr> <tr><td>Body depth</td><td>shallow</td><td></td><td></td><td></td><td>104</td><td>deep</td></tr> <tr><td>Rump angle</td><td>ascending</td><td></td><td></td><td></td><td>107</td><td>sloped</td></tr> <tr><td>Hock angularity</td><td>straight</td><td></td><td></td><td></td><td>89</td><td>sickled</td></tr> <tr><td>Hock develop.</td><td>swollen</td><td></td><td></td><td></td><td>101</td><td>dry</td></tr> <tr><td>Pasterns</td><td>weak</td><td></td><td></td><td></td><td>120</td><td>strong</td></tr> <tr><td>Foot angle</td><td>low angles</td><td></td><td></td><td></td><td>110</td><td>steep angles</td></tr> <tr><td>Fore udder length</td><td>short</td><td></td><td></td><td></td><td>108</td><td>long</td></tr> <tr><td>Rear udder length</td><td>short</td><td></td><td></td><td></td><td>111</td><td>long</td></tr> <tr><td>Fore udder att.</td><td>loose</td><td></td><td></td><td></td><td>85</td><td>tight</td></tr> <tr><td>Susp. ligament</td><td>weak</td><td></td><td></td><td></td><td>110</td><td>strong</td></tr> <tr><td>Udder depth</td><td>deep</td><td></td><td></td><td></td><td>98</td><td>high</td></tr> <tr><td>Teat length</td><td>short</td><td></td><td></td><td></td><td>87</td><td>long</td></tr> <tr><td>Teat thickness</td><td>thin</td><td></td><td></td><td></td><td>98</td><td>thick</td></tr> <tr><td>Teat placem. (front)</td><td>wide</td><td></td><td></td><td></td><td>108</td><td>close</td></tr> <tr><td>Teat placem. (rear)</td><td>wide</td><td></td><td></td><td></td><td>107</td><td>close</td></tr> <tr><td>Teat direction (rear)</td><td>outwards</td><td></td><td></td><td></td><td>109</td><td>inwards</td></tr> <tr><td>Udder cleanliness</td><td>add. teats</td><td></td><td></td><td></td><td>107</td><td>clean udder</td></tr> </table>		Frame					97	Muscling					96	Feet & Legs					121	Udder					107	Height at cross	small				96	large	Body length	short				94	long	Rump width	narrow				94	wide	Body depth	shallow				104	deep	Rump angle	ascending				107	sloped	Hock angularity	straight				89	sickled	Hock develop.	swollen				101	dry	Pasterns	weak				120	strong	Foot angle	low angles				110	steep angles	Fore udder length	short				108	long	Rear udder length	short				111	long	Fore udder att.	loose				85	tight	Susp. ligament	weak				110	strong	Udder depth	deep				98	high	Teat length	short				87	long	Teat thickness	thin				98	thick	Teat placem. (front)	wide				108	close	Teat placem. (rear)	wide				107	close	Teat direction (rear)	outwards				109	inwards	Udder cleanliness	add. teats				107	clean udder
Frame					97																																																																																																																																																																						
Muscling					96																																																																																																																																																																						
Feet & Legs					121																																																																																																																																																																						
Udder					107																																																																																																																																																																						
Height at cross	small				96	large																																																																																																																																																																					
Body length	short				94	long																																																																																																																																																																					
Rump width	narrow				94	wide																																																																																																																																																																					
Body depth	shallow				104	deep																																																																																																																																																																					
Rump angle	ascending				107	sloped																																																																																																																																																																					
Hock angularity	straight				89	sickled																																																																																																																																																																					
Hock develop.	swollen				101	dry																																																																																																																																																																					
Pasterns	weak				120	strong																																																																																																																																																																					
Foot angle	low angles				110	steep angles																																																																																																																																																																					
Fore udder length	short				108	long																																																																																																																																																																					
Rear udder length	short				111	long																																																																																																																																																																					
Fore udder att.	loose				85	tight																																																																																																																																																																					
Susp. ligament	weak				110	strong																																																																																																																																																																					
Udder depth	deep				98	high																																																																																																																																																																					
Teat length	short				87	long																																																																																																																																																																					
Teat thickness	thin				98	thick																																																																																																																																																																					
Teat placem. (front)	wide				108	close																																																																																																																																																																					
Teat placem. (rear)	wide				107	close																																																																																																																																																																					
Teat direction (rear)	outwards				109	inwards																																																																																																																																																																					
Udder cleanliness	add. teats				107	clean udder																																																																																																																																																																					
				Persistence 108 99%	Som. cell count 102 99%																																																																																																																																																																						
				Fertility mat. 94 97%	Milking speed 115 99%																																																																																																																																																																						
				Vitality 98 98%	Ecol. TMI 112 99%																																																																																																																																																																						



Ami, daughter of Hugoboss

Proof: ZAR / 08-2022

Humbold

186960 Pigm.: 16%

Born: 20.05.2015
DE 09 50054104



♂ **HUTERA** (♂ HUTMANN), (♀ WANDERA)
 ♀ **MEIKA** (♂ VANADIN)
 6/5 9134 3.61 329 3.43 313
 ♀ **MAIKE** (♂ RIESLING)
 7/7 10711 4.01 430 3.64 390



Humbold

TMI
125
90%

Milk-kg

Frame

Muscling

Milk			MI 127 97%		Beef Performance		BI 101 92%		Fitness		FIT 102 90%		Type traits		73 Daughters						
Milk	Fat	Protein	Daily net gain		Longevity																
+1311 kg	-0.19 %	-0.07 %	106	94%	104	81%															
	+37 kg	+40 kg			104	93%															
					100	97%															
Daughters	137		Carcass percentage	96	86%	Calving ease pat.	100	97%	Calving ease mat.	99	90%	Prod. increase	109	94%	Persistence	102	96%	Som. cell count	108	93%	
Herds	108		Carcass grade	102	92%	Fertility mat.	98	83%	Milking speed	85	94%	Vitality	98	87%	Ecol. TMI	116	93%				
Cappa-Casein	AA																				
Beta-Casein	-																				

Proof: ZAR / 08-2022

Trait	76	88	100	112	124		
Frame						110	
Muscling						107	
Feet & Legs						104	
Udder						103	
Height at cross	small					109	large
Body length	short					111	long
Rump width	narrow					111	wide
Body depth	shallow					113	deep
Rump angle	ascending					110	sloped
Hock angularity	straight					95	sickled
Hock develop.	swollen					90	dry
Pasterns	weak					113	strong
Foot angle	low angles					115	steep angles
Fore udder length	short					115	long
Rear udder length	short					106	long
Fore udder att.	loose					102	tight
Susp. ligament	weak					100	strong
Udder depth	deep					97	high
Teat length	short					104	long
Teat thickness	thin					97	thick
Teat placem. (front)	wide					97	close
Teat placem. (rear)	wide					94	close
Teat direction (rear)	outwards					109	inwards
Udder cleanliness	add. teats					108	clean udder

Hurly

177400 Pigm.: 48%

Born: 07.08.2012
DE 09 47424346
aAa 426531



♂ **HULKOR** (♂ HULOCK), (♀ KORALLE)
 ♀ **AFRA** (♂ SEGO)
 7/6 9562 3.93 376 3.56 340
 ♀ **AMANDA** (♂ HIPPO)
 8/8 8703 4.11 358 3.45 301



Hurly

TMI
123
99%

Dual purpose

Udder

Calving ease

Milk			MI 111 99%		Beef Performance		BI 111 99%		Fitness		FIT 111 99%		Type traits		2265 Daughters					
Milk	Fat	Protein	Daily net gain		Longevity															
+778 kg	-0.27 %	-0.07 %	106	99%	110	99%														
	+8 kg	+22 kg			105	99%														
					112	99%														
Daughters	11439		Carcass percentage	117	99%	Calving ease pat.	112	99%	Calving ease mat.	102	99%	Prod. increase	84	99%	Persistence	101	99%	Som. cell count	103	99%
Herds	5426		Carcass grade	102	99%	Fertility mat.	107	99%	Milking speed	81	99%	Vitality	112	99%	Ecol. TMI	116	99%			
Cappa-Casein	AA																			
Beta-Casein	A2A2																			



Mia, daughter of Hurly, 2. lac.

Proof: ZAR / 08-2022

Trait	76	88	100	112	124		
Frame						104	
Muscling						103	
Feet & Legs						110	
Udder						113	
Height at cross	small					103	large
Body length	short					104	long
Rump width	narrow					104	wide
Body depth	shallow					103	deep
Rump angle	ascending					82	sloped
Hock angularity	straight					96	sickled
Hock develop.	swollen					99	dry
Pasterns	weak					102	strong
Foot angle	low angles					108	steep angles
Fore udder length	short					113	long
Rear udder length	short					99	long
Fore udder att.	loose					111	tight
Susp. ligament	weak					96	strong
Udder depth	deep					108	high
Teat length	short					111	long
Teat thickness	thin					103	thick
Teat placem. (front)	wide					107	close
Teat placem. (rear)	wide					98	close
Teat direction (rear)	outwards					97	inwards
Udder cleanliness	add. teats					103	clean udder

Mirolo

427007 Pigm.: 57%

Born: 15.05.2015
DE 08 15987833
aAa 342156



Mirolo

Fertility

TMI
119
95%

Type

Udder health

Milk MI 114 99%

Beef Performance BI 96 96%

Fitness FIT 110 95%

Type traits 250 Daughters

Milk	Fat	Protein
+673 kg	-0.13 %	-0.02 %
	+17 kg	+23 kg

Daily net gain	101	99%
----------------	-----	-----

Longevity	106	89%
Udder health	109	97%
Calving ease pat.	93	99%
Calving ease mat.	104	96%
Prod. increase	96	98%
Persistence	85	98%
Som. cell count	109	98%
Fertility mat.	115	92%
Milking speed	95	98%
Vitality	96	94%
Ecol. TMI	111	96%

Trait	76	88	100	112	124
Frame					111
Muscling					102
Feet & Legs					109
Udder					112
Height at cross	small				large
Body length	short				long
Rump width	narrow				wide
Body depth	shallow				deep
Rump angle	ascending				sloped
Hock angularity	straight				sickled
Hock develop.	swollen				dry
Pasterns	weak				strong
Foot angle	low angles				steep angles
Fore udder length	short				long
Rear udder length	short				long
Fore udder att.	loose				tight
Susp. ligament	weak				strong
Udder depth	deep				high
Teat length	short				long
Teat thickness	thin				thick
Teat placem. (front)	wide				close
Teat placem. (rear)	wide				close
Teat direction (rear)	outwards				inwards
Udder cleanliness	add. teats				clean udder

Daughters	589
Herds	285

Carcass percentage	102	85%
--------------------	-----	-----

Cappa-Casein	AB
Beta-Casein	A2A2

Carcass grade	90	97%
---------------	----	-----



Galilei, daughter of Mirolo

Proof: ZAR / 08-2022

Monumental

171790 Pigm.: 51%

Born: 29.10.2014
DE 09 49729097
aAa 456321



Monumental

Feet & Legs

TMI
112
99%

Fitness

Udder

Milk MI 107 99%

Beef Performance BI 94 99%

Fitness FIT 109 99%

Type traits 1631 Daughters

Milk	Fat	Protein
+658 kg	-0.45 %	+0.04 %
	-12 kg	+27 kg

Daily net gain	98	99%
----------------	----	-----

Longevity	118	98%
Udder health	109	99%
Calving ease pat.	107	99%
Calving ease mat.	101	99%
Prod. increase	107	99%
Persistence	110	99%
Som. cell count	112	99%
Fertility mat.	96	99%
Milking speed	105	99%
Vitality	104	99%
Ecol. TMI	117	99%

Trait	76	88	100	112	124
Frame					91
Muscling					94
Feet & Legs					124
Udder					114
Height at cross	small				large
Body length	short				long
Rump width	narrow				wide
Body depth	shallow				deep
Rump angle	ascending				sloped
Hock angularity	straight				sickled
Hock develop.	swollen				dry
Pasterns	weak				strong
Foot angle	low angles				steep angles
Fore udder length	short				long
Rear udder length	short				long
Fore udder att.	loose				tight
Susp. ligament	weak				strong
Udder depth	deep				high
Teat length	short				long
Teat thickness	thin				thick
Teat placem. (front)	wide				close
Teat placem. (rear)	wide				close
Teat direction (rear)	outwards				inwards
Udder cleanliness	add. teats				clean udder

Daughters	6954
Herds	3464

Carcass percentage	92	99%
--------------------	----	-----

Cappa-Casein	AA
Beta-Casein	A2A2

Carcass grade	96	99%
---------------	----	-----



Lia, daughter of Monumental

Proof: ZAR / 08-2022

Weitblick

860110 Pigm.: 32%

Born: 05.07.2017
DE 09 45642290
aAa 423561



WOBBLER (# WATNOX), (# SINDI)
LANESSA (# REUMUT)
4/4 11974 3.52 422 3.59 430
LARISA (# ROUND UP)
4/4 10056 3.99 402 3.53 355



progeny tested
FLECKVIEH - SIMMENTAL

TMI

135

95%

Milk

Beef

Fitness

Milk			MI 119 99%		Beef Performance		BI 115 99%		Fitness		FIT 115 94%		Type traits		229 Daughters																																																																																																																																																																				
Milk	Fat	Protein	Daily net gain	101	99%	Longevity	120	85%	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Trait</th> <th>76</th> <th>88</th> <th>100</th> <th>112</th> <th>124</th> </tr> </thead> <tbody> <tr><td>Frame</td><td></td><td></td><td></td><td></td><td>95</td></tr> <tr><td>Muscling</td><td></td><td></td><td></td><td></td><td>94</td></tr> <tr><td>Feet & Legs</td><td></td><td></td><td></td><td></td><td>112</td></tr> <tr><td>Udder</td><td></td><td></td><td></td><td></td><td>103</td></tr> <tr><td>Height at cross</td><td>small</td><td></td><td></td><td></td><td>96</td><td>large</td></tr> <tr><td>Body length</td><td>short</td><td></td><td></td><td></td><td>96</td><td>long</td></tr> <tr><td>Rump width</td><td>narrow</td><td></td><td></td><td></td><td>94</td><td>wide</td></tr> <tr><td>Body depth</td><td>shallow</td><td></td><td></td><td></td><td>91</td><td>deep</td></tr> <tr><td>Rump angle</td><td>ascending</td><td></td><td></td><td></td><td>109</td><td>sloped</td></tr> <tr><td>Hock angularity</td><td>straight</td><td></td><td></td><td></td><td>105</td><td>sickled</td></tr> <tr><td>Hock develop.</td><td>swollen</td><td></td><td></td><td></td><td>103</td><td>dry</td></tr> <tr><td>Pasterns</td><td>weak</td><td></td><td></td><td></td><td>102</td><td>strong</td></tr> <tr><td>Foot angle</td><td>low angles</td><td></td><td></td><td></td><td>106</td><td>steep angles</td></tr> <tr><td>Fore udder length</td><td>short</td><td></td><td></td><td></td><td>101</td><td>long</td></tr> <tr><td>Rear udder length</td><td>short</td><td></td><td></td><td></td><td>107</td><td>long</td></tr> <tr><td>Fore udder att.</td><td>loose</td><td></td><td></td><td></td><td>95</td><td>tight</td></tr> <tr><td>Susp. ligament</td><td>weak</td><td></td><td></td><td></td><td>102</td><td>strong</td></tr> <tr><td>Udder depth</td><td>deep</td><td></td><td></td><td></td><td>97</td><td>high</td></tr> <tr><td>Teat length</td><td>short</td><td></td><td></td><td></td><td>98</td><td>long</td></tr> <tr><td>Teat thickness</td><td>thin</td><td></td><td></td><td></td><td>104</td><td>thick</td></tr> <tr><td>Teat placem. (front)</td><td>wide</td><td></td><td></td><td></td><td>108</td><td>close</td></tr> <tr><td>Teat placem. (rear)</td><td>wide</td><td></td><td></td><td></td><td>100</td><td>close</td></tr> <tr><td>Teat direction (rear)</td><td>outwards</td><td></td><td></td><td></td><td>103</td><td>inwards</td></tr> <tr><td>Udder cleanliness</td><td>add. teats</td><td></td><td></td><td></td><td>106</td><td>clean udder</td></tr> </tbody> </table>	Trait	76	88	100	112	124	Frame					95	Muscling					94	Feet & Legs					112	Udder					103	Height at cross	small				96	large	Body length	short				96	long	Rump width	narrow				94	wide	Body depth	shallow				91	deep	Rump angle	ascending				109	sloped	Hock angularity	straight				105	sickled	Hock develop.	swollen				103	dry	Pasterns	weak				102	strong	Foot angle	low angles				106	steep angles	Fore udder length	short				101	long	Rear udder length	short				107	long	Fore udder att.	loose				95	tight	Susp. ligament	weak				102	strong	Udder depth	deep				97	high	Teat length	short				98	long	Teat thickness	thin				104	thick	Teat placem. (front)	wide				108	close	Teat placem. (rear)	wide				100	close	Teat direction (rear)	outwards				103	inwards	Udder cleanliness	add. teats				106	clean udder
Trait	76	88	100	112	124																																																																																																																																																																														
Frame					95																																																																																																																																																																														
Muscling					94																																																																																																																																																																														
Feet & Legs					112																																																																																																																																																																														
Udder					103																																																																																																																																																																														
Height at cross	small				96	large																																																																																																																																																																													
Body length	short				96	long																																																																																																																																																																													
Rump width	narrow				94	wide																																																																																																																																																																													
Body depth	shallow				91	deep																																																																																																																																																																													
Rump angle	ascending				109	sloped																																																																																																																																																																													
Hock angularity	straight				105	sickled																																																																																																																																																																													
Hock develop.	swollen				103	dry																																																																																																																																																																													
Pasterns	weak				102	strong																																																																																																																																																																													
Foot angle	low angles				106	steep angles																																																																																																																																																																													
Fore udder length	short				101	long																																																																																																																																																																													
Rear udder length	short				107	long																																																																																																																																																																													
Fore udder att.	loose				95	tight																																																																																																																																																																													
Susp. ligament	weak				102	strong																																																																																																																																																																													
Udder depth	deep				97	high																																																																																																																																																																													
Teat length	short				98	long																																																																																																																																																																													
Teat thickness	thin				104	thick																																																																																																																																																																													
Teat placem. (front)	wide				108	close																																																																																																																																																																													
Teat placem. (rear)	wide				100	close																																																																																																																																																																													
Teat direction (rear)	outwards				103	inwards																																																																																																																																																																													
Udder cleanliness	add. teats				106	clean udder																																																																																																																																																																													
+1042 kg	-0.16 %	-0.11 %				Udder health	109	96%	Calving ease pat.	103	99%	Calving ease mat.	111	97%	Prod. increase	105	78%	Persistence	111	98%	Som. cell count	110	97%	Fertility mat.	106	89%	Milking speed	105	98%	Vitality	98	98%	Ecol. TMI	133	96%																																																																																																																																																
+29 kg	+27 kg					Carcass percentage	120	98%	Carcass grade	108	99%																																																																																																																																																																								
Daughters	851																																																																																																																																																																																		
Herds	504																																																																																																																																																																																		
Cappa-Casein	AA																																																																																																																																																																																		
Beta-Casein	A1A2																																																																																																																																																																																		



Garniera, daughter of Weitblick

Proof: ZAR / 08-2022

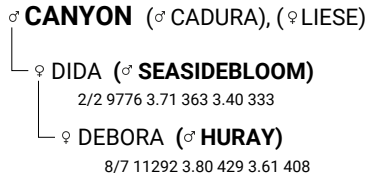


Luca Nolli

Calvino

435480

Born: 28.12.2019
DE 08 17361832
aAa 423651



Calvino

gTMI
138
74%

Milk

Udder

Fitness

Milk	MI 122 83%	Beef Performance	BI 104 65%	Fitness	FIT 116 75%	Type traits	- Daughters
Milk +1520 kg	Fat -0.43 % Protein -0.19 % +24 kg +37 kg	Daily net gain 102 67%	Carcass percentage 104 65%	Longevity 124 64%	Udder health 109 77%	Frame	76 88 100 112 124
Daughters Herds	Cappa-Casein BB Beta-Casein A2A2	Carcass grade 105 62%	Longevity 124 64%	Udder health 109 77%	Calving ease pat. 101 90%	Rump	
			Longevity 109 77%	Calving ease pat. 101 90%	Calving ease mat. 102 72%	Feet & Legs	
			Calving ease mat. 102 72%	Calving ease mat. 102 72%	Prod. increase 117 67%	Udder	
			Prod. increase 117 67%	Prod. increase 117 67%	Persistence 118 73%	Final Score	
			Persistence 118 73%	Persistence 118 73%	Som. cell count 108 73%	Muscling	
			Som. cell count 108 73%	Som. cell count 108 73%	Fertility mat. 99 61%	Height at cross	
			Fertility mat. 99 61%	Fertility mat. 99 61%	Milking speed 102 78%	Chest width	
			Milking speed 102 78%	Milking speed 102 78%	Vitality 98 74%	Body depth	
			Vitality 98 74%	Vitality 98 74%	Ecol. TMI 132 79%	Backline	
			Ecol. TMI 132 79%	Ecol. TMI 132 79%		Rump length	
						Rump width	
						Rump angle	
						Thurl position	
						Hock angularity	
						Hock develop.	
						Pasterns	
						Foot angle	
						Fore udder length	
						Rear udder width	
						Rear udder height	
						Susp. ligament	
						Udder depth	
						Fore udder att.	
						Udder balance	
						Teat length	
						Teat thickness	
						Teat placem. (front)	
						Teat placem. (rear)	
						Teat direction (rear)	
						Udder cleanliness	



Dida, dam of Calvino

Proof: ZAR / 08-2022

Helix

345860

Born: 09.11.2015
DE 09 49829243



Helix

TMI
127
90%

Type

Protein %

Fitness

Milk	MI 119 97%	Beef Performance	BI 86 80%	Fitness	FIT 106 87%	Type traits	83 Daughters
Milk +608 kg	Fat +0.00 % Protein +0.07 % +26 kg +28 kg	Daily net gain 92 83%	Carcass percentage 89 65%	Longevity 104 76%	Udder health 107 90%	Frame	76 88 100 112 124
Daughters Herds	Cappa-Casein BB Beta-Casein A2A2	Carcass grade 84 78%	Longevity 104 76%	Udder health 107 90%	Calving ease pat. 95 94%	Rump	
			Calving ease pat. 95 94%	Calving ease pat. 95 94%	Calving ease mat. 116 85%	Feet & Legs	
			Calving ease mat. 116 85%	Calving ease mat. 116 85%	Prod. increase 106 85%	Udder	
			Prod. increase 106 85%	Prod. increase 106 85%	Persistence 100 94%	Final Score	
			Persistence 100 94%	Persistence 100 94%	Som. cell count 103 91%	Muscling	
			Som. cell count 103 91%	Som. cell count 103 91%	Fertility mat. 104 78%	Height at cross	
			Fertility mat. 104 78%	Fertility mat. 104 78%	Milking speed 106 93%	Chest width	
			Milking speed 106 93%	Milking speed 106 93%	Vitality 93 85%	Body depth	
			Vitality 93 85%	Vitality 93 85%	Ecol. TMI 120 91%	Backline	
			Ecol. TMI 120 91%	Ecol. TMI 120 91%		Rump length	
						Rump width	
						Rump angle	
						Thurl position	
						Hock angularity	
						Hock develop.	
						Pasterns	
						Foot angle	
						Fore udder length	
						Rear udder width	
						Rear udder height	
						Susp. ligament	
						Udder depth	
						Fore udder att.	
						Udder balance	
						Teat length	
						Teat thickness	
						Teat placem. (front)	
						Teat placem. (rear)	
						Teat direction (rear)	
						Udder cleanliness	



28434

Proof: ZAR / 08-2022

Himex

435240

Born: 22.05.2014
DE 08 15678655



♂ **GS HIMALAYA** (♂ GS HUXOY), (♀ ALORE)
 ♀ **HEXE** (♂ HURAY)
 7/7 10656 4.02 429 3.30 352
 ♀ **(♂ JUMBO)**
 2/2 8488 4.59 390 3.44 292



Himex

progeny tested

BROWN SWISS

TMI 108 89%

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

Milk	MI 108 95%	Beef Performance	BI 90 83%	Fitness	FIT 99 86%	Type traits	45 Daughters
Milk +907 kg	Fat -0.43 % Protein +1 kg +19 kg	Daily net gain 92 89%	Carcass percentage 95 68%	Longevity 95 76%	Udder health 93 89%	Frame	76 88 100 112 124
Daughters 55	Herds 35	Carcass grade 91 75%	Longevity 95 76%	Udder health 93 89%	Calving ease pat. 100 92%	Rump	
Cappa-Casein BB	Beta-Casein -	Longevity 95 76%	Udder health 93 89%	Calving ease mat. 106 81%	Prod. increase 103 89%	Feet & Legs	
		Longevity 93 89%	Calving ease pat. 100 92%	Calving ease mat. 106 81%	Persistence 109 92%	Udder	
		Longevity 103 89%	Calving ease mat. 106 81%	Prod. increase 103 89%	Som. cell count 96 88%	Final Score	
		Longevity 109 92%	Prod. increase 103 89%	Persistence 109 92%	Milking speed 112 88%	Muscling	
		Longevity 96 88%	Persistence 109 92%	Som. cell count 96 88%	Vitality 96 82%	Height at cross	
		Longevity 104 77%	Som. cell count 96 88%	Fertility mat. 104 77%	Ecol. TMI 107 90%	Chest width	
		Longevity 112 88%	Fertility mat. 104 77%	Milking speed 112 88%		Body depth	
		Longevity 96 82%	Milking speed 112 88%	Vitality 96 82%		Backline	
		Longevity 107 90%	Vitality 96 82%	Ecol. TMI 107 90%		Rump length	
			Ecol. TMI 107 90%			Rump width	
						Rump angle	
						Thurl position	
						Hock angularity	
						Hock develop.	
						Pasterns	
						Foot angle	
						Fore udder length	
						Rear udder width	
						Rear udder height	
						Susp. ligament	
						Udder depth	
						Fore udder att.	
						Udder balance	
						Teat length	
						Teat thickness	
						Teat placem. (front)	
						Teat placem. (rear)	
						Teat direction (rear)	
						Udder cleanness	

Carmen, daughter of Himex

Proof: ZAR / 08-2022

Hupays

435211

Born: 20.08.2012
DE 08 15391210



♂ **GS HUXOY** (♂ HUCOS), (♀ TRIXI)
 ♀ **ELFI** (♂ PAYSSLI)
 3/3 10117 4.25 430 3.36 340
 ♀ **ELFI** (♂ SPIRIT)
 3/3 8201 4.06 333 3.34 274



Hupays

progeny tested

BROWN SWISS

TMI 108 98%

Milking speed **Persistence** **Fertility**

Milk	MI 105 99%	Beef Performance	BI 110 93%	Fitness	FIT 101 96%	Type traits	281 Daughters
Milk +374 kg	Fat -0.09 % Protein +9 kg +7 kg	Daily net gain 110 97%	Carcass percentage 108 78%	Longevity 97 93%	Udder health 95 97%	Frame	76 88 100 112 124
Daughters 585	Herds 303	Carcass grade 98 92%	Longevity 97 93%	Udder health 95 97%	Calving ease pat. 100 98%	Rump	
Cappa-Casein BB	Beta-Casein -	Longevity 100 98%	Udder health 95 97%	Calving ease mat. 103 95%	Prod. increase 101 98%	Feet & Legs	
		Longevity 103 95%	Calving ease pat. 100 98%	Calving ease mat. 103 95%	Persistence 110 99%	Udder	
		Longevity 110 99%	Calving ease mat. 103 95%	Prod. increase 101 98%	Som. cell count 97 98%	Final Score	
		Longevity 106 94%	Prod. increase 101 98%	Persistence 110 99%	Milking speed 121 98%	Muscling	
		Longevity 97 93%	Persistence 110 99%	Som. cell count 97 98%	Vitality 93 95%	Height at cross	
		Longevity 106 94%	Som. cell count 97 98%	Fertility mat. 106 94%	Ecol. TMI 107 98%	Chest width	
		Longevity 121 98%	Fertility mat. 106 94%	Milking speed 121 98%		Body depth	
		Longevity 93 95%	Milking speed 121 98%	Vitality 93 95%		Backline	
		Longevity 107 98%	Vitality 93 95%	Ecol. TMI 107 98%		Rump length	
			Ecol. TMI 107 98%			Rump width	
						Rump angle	
						Thurl position	
						Hock angularity	
						Hock develop.	
						Pasterns	
						Foot angle	
						Fore udder length	
						Rear udder width	
						Rear udder height	
						Susp. ligament	
						Udder depth	
						Fore udder att.	
						Udder balance	
						Teat length	
						Teat thickness	
						Teat placem. (front)	
						Teat placem. (rear)	
						Teat direction (rear)	
						Udder cleanness	

Gorilla, daughter of Hupays

Proof: ZAR / 08-2022

Jakarta

345840

Born: 10.10.2015
DE 09 50954498
aAa 561423



♂ **AG James** (♂ Jaguar), (♀ Selina)

♀ **Susi** (♂ Huray)

6/5 8243 4.45 367 3.91 322

♀ **Sybille** (♂ Vasir)

5/5 11912 3.95 470 3.39 404



Jakarta

Luca Noll

TMI
124
90%

Longevity

Fitness

Type

Milk	MI 113 97%	Beef Performance	BI 99 78%	Fitness	FIT 109 87%	Type traits	61 Daughters
------	------------	------------------	-----------	---------	-------------	-------------	--------------

Milk +548 kg	Fat +0.01 % +24 kg	Protein -0.04 % +16 kg
Daughters 108	Herds 98	
Cappa-Casein Beta-Casein	BB A2A2	

Daily net gain	98	84%
Carcass percentage	105	65%
Carcass grade	97	77%

Longevity	117	76%
Udder health	105	90%
Calving ease pat.	102	96%
Calving ease mat.	109	86%
Prod. increase	116	87%
Persistence	105	94%
Som. cell count	107	91%
Fertility mat.	99	77%
Milking speed	109	92%
Vitality	98	87%
Ecol. TMI	123	91%

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



Natalie, daughter of Jakarta, 1st lac.

Proof: ZAR / 08-2022

Vavio

435266

Born: 20.05.2015
DE 08 16006421



♂ **VAVIGO** (♂ VASSLI), (♀ NORIS)

♀ **BONITA** (♂ GS HUXOY)

7/7 10089 3.72 375 3.53 356

♀ **BABETTE** (♂ PRONTO)

4/4 7424 4.28 318 3.74 277



Vavio

Wolfhard Schulz

TMI
135
93%

Udder

Milk

Fitness

Milk	MI 116 98%	Beef Performance	BI 107 88%	Fitness	FIT 117 89%	Type traits	133 Daughters
------	------------	------------------	------------	---------	-------------	-------------	---------------

Milk +887 kg	Fat -0.23 % +17 kg	Protein -0.06 % +27 kg
Daughters 208	Herds 114	
Cappa-Casein Beta-Casein	BB A2A2	

Daily net gain	105	94%
Carcass percentage	102	68%
Carcass grade	106	84%

Longevity	110	79%
Udder health	113	93%
Calving ease pat.	100	95%
Calving ease mat.	101	87%
Prod. increase	112	94%
Persistence	120	96%
Som. cell count	113	94%
Fertility mat.	110	82%
Milking speed	102	95%
Vitality	100	88%
Ecol. TMI	127	93%

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



Noris, granddam of Vavio, 4th lac.

Proof: ZAR / 08-2022

Veles Pp*

346640

Born: 20.10.2018
DE 09 54182706
aAa 423651



▣ Vidal P*S (♂ Ag Viper Pp*), (♀ Pauli)

▣ 1413 (♂ Ag Vobis)

4/3 12507 4.25 531 3.54 442

▣ Monice (♂ Jupaz)

9/9 11455 4.15 476 3.55 407



Veles Pp*

gTMI
136
75%

Longevity

Fitness

Type

Milk	MI 121 83%	Beef Performance	BI 98 71%	Fitness	FIT 115 76%	Type traits	- Daughters
Milk +707 kg	Fat +0.02 % Protein +0.03 % +31 kg +28 kg	Daily net gain 102 72%	Carcass percentage 96 70%	Longevity 119 64%	Udder health 104 77%	Frame	112
Daughters Herds	Cappa-Casein AB Beta-Casein A1A2	Carcass grade 93 71%	Carcass mat. 108 80%	Calving ease pat. 98 96%	Prod. increase 105 68%	Muscling	93
				Som. cell count 102 73%	Fertility mat. 107 62%	Height at cross	112
				Milking speed 86 76%	Vitality 117 87%	Chest width	105
				Ecol. TMI 124 81%		Body depth	108
						Backline	105
						Rump length	113
						Rump width	107
						Rump angle	96
						Thurl position	93
						Hock angularity	99
						Hock develop.	112
						Pasterns	108
						Foot angle	106
						Fore udder length	108
						Rear udder width	106
						Rear udder height	107
						Susp. ligament	100
						Udder depth	105
						Fore udder att.	105
						Udder balance	103
						Teat length	95
						Teat thickness	105
						Teat placem. (front)	108
						Teat placem. (rear)	117
						Teat direction (rear)	114
						Udder cleanness	99



1413, dam of Veles Pp

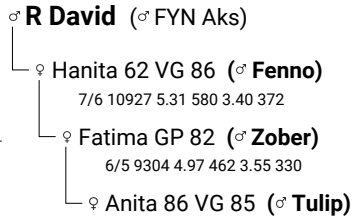
Proof: ZAR / 08-2022



Luca Nolli

Piet

588881 born: 14.08.2012
RDCDEUM000120611166



Salut



RZRobot --- -- %

Cappa-Casein --
Beta-Casein --/--

Milk	Fat	Protein
+1267 kg	-0.22 %	-0.30 %
	+36 kg	+17 kg

Reliability 95 %
Daughters 213
Herds 76

RZcalfhealth **99** 61 %

	76	88	100	112	124	
Dairy type						122
Body						100
Feet & Legs						114
Udder						101
Stature	small					102 tall
Dairy character	little					118 angular
Body depth	shallow					103 deep
Strength	narrow					88 wide
Rump angle	ascending					97 sloped
Rump width	narrow					100 wide
Rear leg angle	straight					93 sickled
Foot angle	low angle					104 steep angle
Hocks	swollen					107 clean
Rear leg set r.v.	toes out					108 parallel
Locomotion	bad					111 good
Rear udder h.	low					114 high
Suspens. lig.	weak					100 strong
Teat placem.f.	wide					104 close
Teat placem.r.	wide					110 close
Fore udder att.	loose					99 tight
Udder depth	deep					103 shallow
Teat length	short					73 long

- Milk yield
- Body
- All-rounder

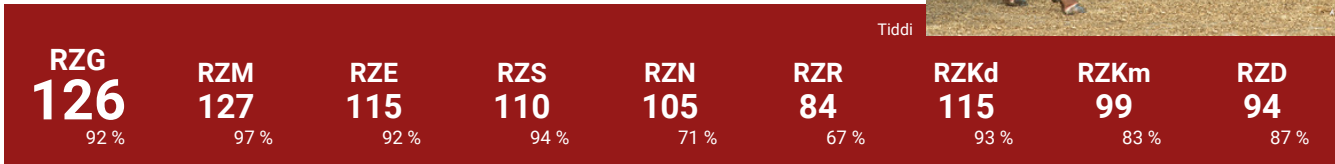
Daughters/Herds: 152/49
Proof: VIT / 08-2022

Riga

589000 born: 20.10.2013
RDCDEUM000121015473



Tiddi



RZRobot --- -- %

Cappa-Casein AA
Beta-Casein A1A2

Milk	Fat	Protein
+1091 kg	-0.16 %	-0.11 %
	+34 kg	+30 kg

Reliability 97 %
Daughters 401
Herds 99

RZcalfhealth **102** 80 %

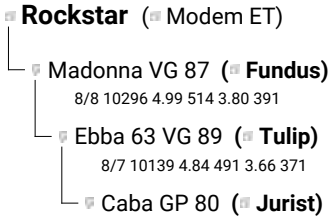
	76	88	100	112	124	
Dairy type						122
Body						102
Feet & Legs						115
Udder						110
Stature	small					101 tall
Dairy character	little					118 angular
Body depth	shallow					104 deep
Strength	narrow					90 wide
Rump angle	ascending					98 sloped
Rump width	narrow					102 wide
Rear leg angle	straight					97 sickled
Foot angle	low angle					102 steep angle
Hocks	swollen					112 clean
Rear leg set r.v.	toes out					106 parallel
Locomotion	bad					110 good
Rear udder h.	low					116 high
Suspens. lig.	weak					118 strong
Teat placem.f.	wide					112 close
Teat placem.r.	wide					121 close
Fore udder att.	loose					103 tight
Udder depth	deep					102 shallow
Teat length	short					87 long

- Milk production
- Longevity
- Conformation

Daughters/Herds: 257/51
Proof: VIT / 08-2022

Schlei

588698 born: 22.07.2014
RDCDEUM000121491902



progeny tested

RED CATTLE - ANGLER

RZG 132 92 %	RZM 118 95 %	RZE 123 87 %	RZS 135 94 %	RZN 111 80 %	RZR 101 67 %	RZKd 105 83 %	RZKm 117 76 %	RZD 93 86 %
----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	-----------------------------------	-----------------------------------	---------------------------------

RZRobot --- -- %

Cappa-Casein --
Beta-Casein --/--

Milk	Fat	Protein
+380 kg	+0.08 %	+0.05 %
	+24 kg	+19 kg

Reliability 95 %
Daughters 225
Herds 79

RZ calfhealth113 65 %

	76	88	100	112	124	
Dairy type						91
Body						103
Feet & Legs						113
Udder						124
Stature	small					96 tall
Dairy character	little					89 angular
Body depth	shallow					102 deep
Strength	narrow					107 wide
Rump angle	ascending					99 sloped
Rump width	narrow					98 wide
Rear leg angle	straight					102 sickled
Foot angle	low angle					100 steep angle
Hocks	swollen					106 clean
Rear leg set r.v.	toes out					106 parallel
Locomotion	bad					112 good
Rear udder h.	low					114 high
Suspens. lig.	weak					108 strong
Teat placem.f.	wide					106 close
Teat placem.r.	wide					102 close
Fore udder att.	loose					118 tight
Udder depth	deep					118 shallow
Teat length	short					113 long

- Udder quality
- Udder health
- Components

Daughters/Herds: 148/55
Proof: VIT / 08-2022



Alex Arkink

Holstein
Red Holstein
Fleckvieh
Brown Swiss
Angler

Daughter Proven
Genomic



📷 Anne-Mette Evers



GGI-KENYA

GGI KENYA LTD

Alpha Centre, Godown 60
P.O BOX 18846-00500, Nairobi

Mobile: 0717 88 11 33/ 0750 889 339

E-mail: info@ggikenya.com
Internet: www.ggikenya.com



GGI-SPERMEX
Genetics made in Germany

GGI-SPERMEX GmbH

Am Osterfeld 14
49661 Cloppenburg-Bethen
Germany

Phone: +49 4471 91 74-0
Fax: +49 4471 91 74-74

email: info@ggi-spermex.de
Internet: www.ggi-spermex.de

Ottostraße 26
85521 Ottobrunn
Germany

Phone: +49 89 665 98 46-0
Fax: +49 89 665 98 46-29

email: info@ggi-spermex.de
Internet: www.ggi-spermex.de