

AMPTELIKE VEILINGSKATALOGUS VIR / OFFICIAL AUCTION CATALOGUE FOR

# TIMAL BONSMARAS

Veilingsdatum / Auction Date:  
16 May 2023

Data soos op / Data as on:  
03 May 2023



## SALES UNDER AUSPICES OF BONSMARA SA

Bonsmara stud breeding is subject to the stipulations of the Livestock Improvement Act and conforms to the standards of Bonsmara SA. The Society therefore has the right to implement certain controls to ensure the accuracy of information regarding Parentage, Performance and Estimated Breeding Values.

Information regarding Parentage, Performance and Estimated Breeding Values of animals, as supplied by the breeder, have been verified and compared to the official database of LOGIX BEEF. Bonsmara SA therefore, confirms the accuracy of such information.

To the knowledge of the Society these controls have been carried out accurately. However, the Society does not take any responsibility for incorrect information through printing errors or incorrect information provided by the breeder.

Animals on such sales have been visually screened by Inspectors of Bonsmara SA and comply with the Bonsmara Minimum Breed Standards as stipulated by the Society.

### The Society DOES NOT have any control over:

- Immunization and health status of animals
- Pregnancy status of cows and heifers
- Suitability of a bull for breeding
- Fertility status as well as venereal diseases and
- Commercial animals

Since the above is not classified as information regarding Parentage, Performance and Estimated Breeding Values, it DOES NOT fall within the jurisdiction of the meaning "Under the Auspices of Bonsmara SA".



## VEILINGS ONDER BESKERMING VAN BONSMARA SA

Bonsmara stoetteling wat onderhewig is aan die bepalings van die Veeverbeteringswet, vind plaas onder die vaandel van Bonsmara SA. Daarom behou die Genootskap hom die reg voor om kontroles volgens bepaalde prosedures uit te oefen ten opsigte van Ouerskap inligting, Prestasiedata en Beraamde Teelwaardes.

Ouerskap inligting, Prestasiedata en Beraamde Teelwaardes soos deur die teler voorsien vir die doel van hierdie katalogus, is gekontroleer en vergelyk met die amptelike databasis soos gehou deur LOGIX BEEF. Bonsmara SA bevestig dus die korrektheid van sodanige inligting.

Alhoewel die kontroles na die beste wete van die Genootskap gedoen is, kan die Genootskap egter nie verantwoordelik gehou word vir foutiewe inligting as gevolg van drukkersfoute of verkeerde inligting deur die telers verskaf nie.

Diere wat op hierdie veilings aangebied word, is onderwerp aan 'n proses van visuele inspeksie deur Keurders van Bonsmara SA en voldoen aan die Bonsmara Minimum Rasstandaarde soos bepaal deur die Genootskap.

### Die Genootskap het egter GEEN beheer oor:

- Immunisering en gesondheidstatus van diere
- Dragtigheidstatus van koeie en verse
- Teelgeskiktheid van bulle
- Vrugbaarheidstatus, asook geslagsiektes en
- Kommersiële diere nie.

Aangesien bogenoemde nie val onder die bedoeling met Ouerskap inligting, Prestasiedata en Beraamde Teelwaardes nie, sorteer dit NIE onder die jurisdiksie van die bedoeling "Onder beskerming van Bonsmara SA" nie.



## ANIMAL AND PEDIGREE INFORMATION

**LOT 1** 1 **THE RED CATTLE FARM** 2

3

ABC 150029 4

2015-02-03 5

SP 6

Parentage	Sire	Dam
DNA	✓	
Genomic	✓	

DEF 100066 P

7

DEF 050022

8

GHI 070076 HH(c) 9

AGE/CALV. 14/10  
AVG. Wt/CALV. 92/10  
ICP 395

JKL 000077 P

12

MNO 030002

AGE/CALV. 19/10  
AVG. Wt/CALV. 109/10  
ICP 407

1. Lot Number
2. Owner of the animal
3. Herd's logo (if available)
4. Animal Identification Number
5. Birth date
6. Herd book section - NFR / PEN / F0 / A / B / SP
7. Four (4) generation pedigree
8. Genomic testing - it is indicated with the GT logo
9. Polled Status - the status will only be printed for animals that have been tested
10. Parentage Verification - a green tick (✓) indicates that the sire and/or dam has been verified via either microsatellite (DNA), or Genomic testing
11. QR Code - This code can be scanned with a smart device. It redirects to the animal's information on [www.SABeefBulls.com](http://www.SABeefBulls.com) where all information for the animal is available.
12. Dam information
  - Age and Number of Calvings
  - Average Wean Index and Number of Calves Weaned
  - Intercalving Period

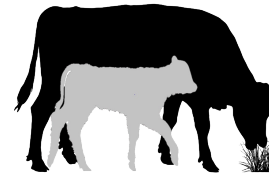
## MYOSTATIN STATUS

The animal's status, if tested for myostatin variants, is indicated as follows:

- Not Tested
- 0 - Normal
- 1 - Heterozygous / Carrier of Double-Muscling gene
- 2 - Homozygous / Double-Muscled

## LOGIX SELECTION VALUES

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
109	98	111	99	101	98	103
1	2	3	4	5	6	7

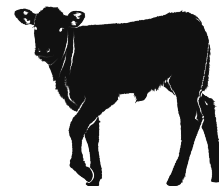


### 5 L♀ GIX Cow Value

Selection of:

- Fertile cows,
- with low maintenance,
- that calf easily,
- and wean heavy calves

- 1 Calving Ease Value EBVs Birth Direct & Maternal
- Calf Growth Value EBV Wean Direct
- 3 Fertility Value EBVs Cow & Heifer Fertility, EBV Longevity
- Milk Value EBV Wean Maternal
- 4 Maintenance Value EBVs Mature weight & Milk



### 2 L♀ GIX Weaner Calf Value

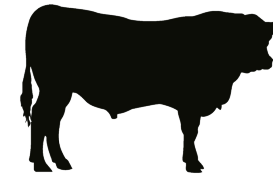
Selection of:

- Heavier weaning weights,
- with more milk,
- but restricted birth weight



### 7 L♀ GIX Carcass Value

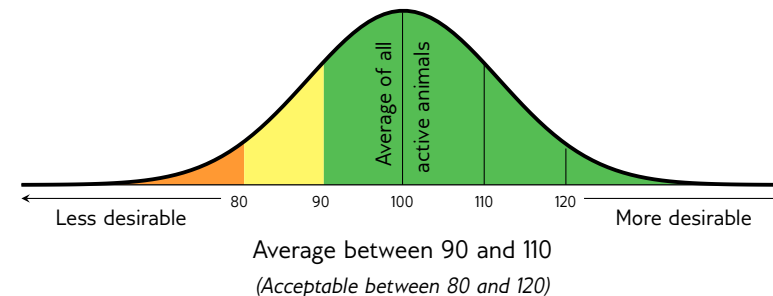
Selection for higher meat yield on carcass



### 6 L♀ GIX Growth Value

Selection of efficient growers on veld & in the feedlot

## INTERPRETATION OF BREEDING VALUE INDICES



## EXPLANATION OF BREEDING VALUES AND SELECTION VALUES

Traits		Description/Measurement		Goal		General Guidelines					
						<-80	<-90	90-110	>110	>120	
Selection Values	5	Cow Value	CV	Combination of Calving Ease, Calf Growth, Milk, Maintenance and Fertility Values (Rand-Value)	Profitable Cow	Loss					Profit
	1	Calving Ease Value	CEV	Risk for calving problems (calf too heavy) vs calf too small	Average birth weight	High					Low
		Calf Growth Value	CGrV	Calf's genetic ability for pre-weaning growth	Heavy weaner calf	Light					Heavy
		Milk Value	MlkV	Cow's genetic mothering and milking ability	Enough milk for the calf	Less					More
	4	Maintenance Value	MntV	Maintenance requirements of cow (cow weight and milk)	Low cow maintenance	High				*	Low
	3	Fertility Value	FertV	Fertility and retention of cows and heifers	Fertile cows	Low					High
	2	Weaner Calf Value	WnCV	Combination of calf's weight and cow's milk	Heavy weaner calves	Light					Heavy
	6	Growth Value	GV	Efficient growth on veld and in feedlot (Rand-value)	Profitable growth	Loss					Profit
7	Carcass Value	VarcV	Meat on carcass (Weight and RTU EBVs)	More meat on the carcass	Less					More	
	Production Value	PV	Combination of Cow- and Growth values (Rand-value)	Profitable animals	Loss					Profit	
Cow & Heifer	8	Birth Weight Direct	BD	Birth weight (Calf's genetic ability)	Average birth weight	Heavy					Light
		Birth Weight Maternal	BM	Birth weight (Cow's genetic ability)	Easy calving	Heavy					Light
	9	Weaning Weight Direct	WD	Weaning weight (Calf's genetic ability)	Heavy weaner calves	Light					Heavy
	10	Weaning Weight Maternal	WM	Weaning weight (Cow's genetic ability)	Good mothers	Poor					Good
	18	Mature Cow Weight	MW	Cow weight at weaning of first three calves	Average mature cow weight	Light			*	*	Heavy
		Cow-Calf Birth	CCB	EBV Birth Direct / EBV Mature Cow weight	Average	Low					High
	Cow-Calf Wean	CCW	EBV Wean Direct / EBV Mature Cow weight	High calf-cow ratio	Low					High	
Fertility	12	Heifer Fertility	HF	Age at first calving	Fertile heifers	Less					More
	13	Cow Fertility	CFE	First 3 inter-calving periods (ICPs)	Fertile cows	Less					More
	11	Scrotal Circumference	SC	Scrotal circumference as measured during the growth test	Fertile bulls	Less					More
	14	Longevity	LG	Retention of progeny	Acceptable progeny	Poor					Good
Growth & Frame	15	Post-Wean Weight	PWn	12- and 18 month weights	Good post-wean growth	Low				*	High
	16	Average Daily Gain	ADG	Average daily gain	Good growth	Poor					Good
	17	Feed Conversion Ratio	FCR	100g feed intake / g weight gain	Feed efficiency	Poor					Good
		Final Test Weight	FW	Final weight in the growth test	Heavy carcass	Light				*	Heavy
	19	Height	H	Shoulder / Hip height in growth test	Average height	Short					Tall
	20	Length	L	Length in growth test	Longer for more muscle	Short					Long
24	Length-Height Ratio	LH	EBV Length / EBV Height	Longer rather than tall	<1					>1	
Carcass	21	Eye Muscle Area	EMA	RTU measured eye muscle area	Bigger steaks	Small					Big
	22	Fat Thickness	Fat	RTU measured P8 backfat thickness	Carcass quality	Thin					Thick
	23	Marbling	Mar	RTU measured % of intra-muscular fat	Juicy meat	Low					High
	Dressing Percentage	D%	Carcass weight / Live weight	High dressing percentage	Low					High	

\* Determined by own selection goal

### GENETIC VALUES - BUILDING BLOCKS

Calf and Mother			Fertility				Post-Wean Growth			Frame			Carcass		
Birth Dir.	Wean Dir.	Wean Mat.	Scrot. Circ.	Heifer Fert.	Cow Fert.	Longev.	Post Wean	ADG	FCR	Mature Weight	Height	Length	EMA	Fat	Mar
99	99	90	97	75	92	85	100	94	93	92	123	110	104	100	79
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

### PHENOTYPIC VALUES

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
109	104	105	122	117	327	1.22
			16	17	11	24

The Logix Selection Values are compiled of specific genetic building blocks, as indicated in the selection value descriptions on the previous page. These genetic building blocks are indicated in the catalogue by their Breeding Value Indices.

- Wean, 365D, 504D, ADG and FCR Indices - phenotypic index obtained within the animal's contemporary group
- Scrotum - adjusted scrotal circumference, in mm, as measured during the growth test
- Length-Height Ratio (LH) - the animal's length / height ratio as measured during the growth test


BULLS

**LOT 1 PAULA VAN DEVENTER & FAMILY**

**LOT 1**

**PAULA VAN DEVENTER & FAMILY**

**JCV 140045**



BZK 200025 HH(c)  
2020-06-25 SP

Parentage Sire Dam

DNA

Genomic

**JCV 110209**

**JCV 110196**  
AGE/CALV. 11/9  
AVG. WJ/CALV. 108/9  
ICP 369

**BZK 110140**

**BZK 150119**  
AGE/CALV. 7/5  
AVG. WJ/CALV. 101/5  
ICP 432

**BZK 100016**  
AGE/CALV. 12/10  
AVG. WJ/CALV. 96/9  
ICP 367

**GEL 060132**

**JCV 010058**  
AGE/CALV. 16/13  
AVG. WJ/CALV. 105/13

**GEL 080052**

**JCV 060103**  
AGE/CALV. 5/3  
AVG. WJ/CALV. 97/2

**BZK 060118**

**BZK 070103**  
AGE/CALV. 15/10  
AVG. WJ/CALV. 104/10

**AEK 020132**

**BZK 980046**  
AGE/CALV. 12/9  
AVG. WJ/CALV. 101/7

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
119	93	121	97	109	93	99

Calf and Mother			Fertility				Post-Wean Growth			Frame			Carcass		
Birth Dir.	Wean Dir.	Wean Mat.	Scr. Circ.	Heifer Fert.	Cow Fert.	Longev.	Post Wean	ADG	FCR	Mature Weight	Height	Length	EMA	Fat	Mar
115	93	90	124	110	122	107	98	96	93	102	111	109	84	104	118

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
107	-	-	91	-	359	1.19

Myostatin	
Q204X	0
NT821	0
F94L	0

REMARKS:


LOGIX EBV Analysis: 2023-04-19

**LOT 2 PAULA VAN DEVENTER & FAMILY**

**LOT 2**

**PAULA VAN DEVENTER & FAMILY**

**LFR 150048**



BZK 200126  
2020-10-11 SP

Parentage Sire Dam

DNA

Genomic

**HJL 120124**

**LFR 110034**  
AGE/CALV. 11/8  
AVG. WJ/CALV. 97/8  
ICP 426

**BZK 130021**

**BZK 150113**  
AGE/CALV. 7/5  
AVG. WJ/CALV. 95/6  
ICP 399

**BZK 100123**  
AGE/CALV. 11/8  
AVG. WJ/CALV. 98/7  
ICP 418

**CB 090019**

**HJL 070141**  
AGE/CALV. 14/9  
AVG. WJ/CALV. 101/9

**AG 070176**

**JDB 050027**  
AGE/CALV. 9/5  
AVG. WJ/CALV. 97/5

**HDT 090002**

**BZK 090019**  
AGE/CALV. 13/11  
AVG. WJ/CALV. 105/11

**BZK 020036**

**BZK 970115**  
AGE/CALV. 18/9  
AVG. WJ/CALV. 109/9

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
87	90	90	89	83	111	113

Calf and Mother			Fertility				Post-Wean Growth			Frame			Carcass		
Birth Dir.	Wean Dir.	Wean Mat.	Scr. Circ.	Heifer Fert.	Cow Fert.	Longev.	Post Wean	ADG	FCR	Mature Weight	Height	Length	EMA	Fat	Mar
93	105	89	96	91	92	104	112	110	101	111	105	108	120	103	109

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
90	-	-	120	-	348	1.17

Myostatin	
Q204X	0
NT821	0
F94L	0

REMARKS:


LOGIX EBV Analysis: 2023-04-19

**LOT 3 PAULA VAN DEVENTER & FAMILY**

**LOT 3**

**PAULA VAN DEVENTER & FAMILY**

**JCV 160096**



BZK 200020  
2020-06-11 SP

Parentage Sire Dam

DNA

Genomic

**JCV 110261**

**JCV 080020**  
AGE/CALV. 15/13  
AVG. WJ/CALV. 109/12  
ICP 379

**BZK 080119**

**BZK 150027**  
AGE/CALV. 7/5  
AVG. WJ/CALV. 104/5  
ICP 398

**BZK 070158**  
AGE/CALV. 15/13  
AVG. WJ/CALV. 92/10  
ICP 364

**GJS 070072 HH(c)**

**JCV 000045**  
AGE/CALV. 13/11  
AVG. WJ/CALV. 101/10

**JCV 030105**

**JCV 990102**  
AGE/CALV. 10/7  
AVG. WJ/CALV. 98/7

**RGR 010115**

**BZK 970027**  
AGE/CALV. 13/9  
AVG. WJ/CALV. 105/7

**CJJ 010003**

**BZK 970025**  
AGE/CALV. 13/11  
AVG. WJ/CALV. 94/11

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
102	96	98	83	92	86	89

Calf and Mother			Fertility				Post-Wean Growth			Frame			Carcass		
Birth Dir.	Wean Dir.	Wean Mat.	Scr. Circ.	Heifer Fert.	Cow Fert.	Longev.	Post Wean	ADG	FCR	Mature Weight	Height	Length	EMA	Fat	Mar
101	108	84	109	86	118	95	100	89	97	120	109	103	112	52	67

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
118	-	-	91	-	362	1.20

Myostatin	
Q204X	0
NT821	0
F94L	1

REMARKS:

LOGIX EBV Analysis: 2023-04-19

BULLE


**LOT 4 PAULA VAN DEVENTER & FAMILY**

**BZK 20012**  
2020-05-25  
SP

Ouerskap Vaar Moer

DNS

Genomies



**JCV 160096**

BZK 120155  
OUD/KALW. 9/6  
GEM. SI/KALW. 111/6  
TKP 416

JCV 110261

JCV 080020  
OUD/KALW. 15/13  
GEM. SI/KALW. 109/12  
TKP 379

BZK 060118

BZK 000057  
OUD/KALW. 14/11  
GEM. SI/KALW. 101/10  
TKP 388

GJS 070072 HH(c)

JCV 000045  
OUD/KALW. 13/11  
GEM. SI/KALW. 101/10

JCV 030105

JCV 990102  
OUD/KALW. 10/7  
GEM. SI/KALW. 98/7

HOT 990216

BZK 970087  
OUD/KALW. 10/6  
GEM. SI/KALW. 104/6

AG N 0174

BZK 960008  
OUD/KALW. 14/10  
GEM. SI/KALW. 99/10

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids-waarde	Onderhouds-waarde	Koeiwaarde	Groei-waarde	Karkas-waarde
93	105	100	84	102	104	100

Kalf en Moeder			Vrugbaarheid				Na-Speen Groei			Raam		Karkas			
Geb. Dir.	Spn. Dir.	Spn. Mat.	Skr. Omtr.	Vers Vrugb.	Koei Vrugb.	Lankl.	Na-Speen	GDT	VOV	Volw. Gewig	Hoogte	Lengte	OSO	Vet	Mar
97	106	116	130	96	106	99	107	102	96	117	123	118	113	57	89

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
112	-	-	108	-	387	1.20

Miostatien	
Q204X	0
NT821	0
F94L	0

**OPMERKINGS:** LOGIX EBV Analise: 2023-04-19


**LOT 5 PAULA VAN DEVENTER & FAMILY**

**BZK 200192**  
2020-11-25  
SP

Ouerskap Vaar Moer

DNS

Genomies



**JCV 140045**

BZK 150168  
OUD/KALW. 7/5  
GEM. SI/KALW. 109/5  
TKP 399

JCV 110209

JCV 110196  
OUD/KALW. 11/9  
GEM. SI/KALW. 108/9  
TKP 369

DDB 100032

BZK 070110  
OUD/KALW. 14/11  
GEM. SI/KALW. 107/9  
TKP 403

GEL 060132

JCV 010058  
OUD/KALW. 16/13  
GEM. SI/KALW. 105/13

GEL 080052

JCV 060103  
OUD/KALW. 5/3  
GEM. SI/KALW. 97/2

HJB 050049

NFS 060196  
OUD/KALW. 9/6  
GEM. SI/KALW. 102/5

JJF 010071

BZK 980051  
OUD/KALW. 13/8  
GEM. SI/KALW. 118/8

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids-waarde	Onderhouds-waarde	Koeiwaarde	Groei-waarde	Karkas-waarde
99	115	102	91	111	107	119

Kalf en Moeder			Vrugbaarheid				Na-Speen Groei			Raam		Karkas			
Geb. Dir.	Spn. Dir.	Spn. Mat.	Skr. Omtr.	Vers Vrugb.	Koei Vrugb.	Lankl.	Na-Speen	GDT	VOV	Volw. Gewig	Hoogte	Lengte	OSO	Vet	Mar
97	115	104	121	96	104	107	119	110	106	107	110	116	120	88	126

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
116	-	-	108	-	351	1.22

Miostatien	
Q204X	0
NT821	1
F94L	0

**OPMERKINGS:** LOGIX EBV Analise: 2023-04-19


**LOT 6 PAULA VAN DEVENTER & FAMILY**

**BZK 200203**  
2020-12-14  
SP

Ouerskap Vaar Moer

DNS

Genomies



**RCO 150048**

BZK 150103  
OUD/KALW. 6/4  
GEM. SI/KALW. 106/4  
TKP 424

CEF 100304 HH(c)

RCO 080004  
OUD/KALW. 9/7  
GEM. SI/KALW. 91/7  
TKP 384

BZK 130002 P

BZK 120148  
OUD/KALW. 6/3  
GEM. SI/KALW. 98/1  
TKP 588

CEF 080025

CEF 070151  
OUD/KALW. 15/13  
GEM. SI/KALW. 101/12

CEF 030351

RCO 050007  
OUD/KALW. 8/5  
GEM. SI/KALW. 101/6

HDT 090002

BZK 100013  
OUD/KALW. 12/10  
GEM. SI/KALW. 105/9

BZK 080119

BZK 070116  
OUD/KALW. 8/5  
GEM. SI/KALW. 107/4

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids-waarde	Onderhouds-waarde	Koeiwaarde	Groei-waarde	Karkas-waarde
96	102	73	110	84	100	103

Kalf en Moeder			Vrugbaarheid				Na-Speen Groei			Raam		Karkas			
Geb. Dir.	Spn. Dir.	Spn. Mat.	Skr. Omtr.	Vers Vrugb.	Koei Vrugb.	Lankl.	Na-Speen	GDT	VOV	Volw. Gewig	Hoogte	Lengte	OSO	Vet	Mar
92	106	86	96	75	84	97	101	104	103	91	88	97	115	101	80

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
118	-	-	101	-	333	1.20

Miostatien	
Q204X	1
NT821	0
F94L	0

**OPMERKINGS:** LOGIX EBV Analise: 2023-04-19

BULLS

**LOT 7 PAULA VAN DEVENTER & FAMILY**


**BZK 200146**  
2020-10-20 SP

Parentage Sire Dam

DNA

Genomic

JCV 160096



**BZK 170129**  
AGE/CALV. 5/2  
AVG. WJ/CALV. 113/2  
ICP 378

**BZK 130118**  
AGE/CALV. 8/6  
AVG. WJ/CALV. 104/6  
ICP 401

JCV 110261

JCV 080020  
AGE/CALV. 15/13  
AVG. WJ/CALV. 109/12  
ICP 379

BZK 140032

BZK 130118

GJS 070072 HH(c)

JCV 000045  
AGE/CALV. 13/11  
AVG. WJ/CALV. 101/10

JCV 030105

JCV 990102  
AGE/CALV. 10/7  
AVG. WJ/CALV. 98/7

HDT 090002

BZK 070166  
AGE/CALV. 14/11  
AVG. WJ/CALV. 105/6

BZK 080119

BZK 080017  
AGE/CALV. 10/8  
AVG. WJ/CALV. 107/7

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
100	111	92	76	99	99	102

Calf and Mother			Fertility				Post-Wean Growth			Frame			Carcass		
Birth Dir.	Wean Dir.	Wean Mat.	Scr. Circ.	Heifer Fert.	Cow Fert.	Longev.	Post Wean	ADG	FCR	Mature Weight	Height	Length	EMA	Fat	Mar
99	118	94	121	86	104	101	111	103	105	130	122	116	146	50	57

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
118	-	-	95	-	354	1.17

Myostatin	
Q204X	0
NT821	0
F94L	1

REMARKS:

LOGIX EBV Analysis: 2023-04-19

**LOT 8 PAULA VAN DEVENTER & FAMILY**


**BZK 200207**  
2020-12-23 SP

Parentage Sire Dam

DNA

Genomic

LFR 150048



**BZK 130123**  
AGE/CALV. 9/7  
AVG. WJ/CALV. 90/7  
ICP 394

**BZK 080021**  
AGE/CALV. 13/10  
AVG. WJ/CALV. 103/9  
ICP 411

HJL 120124

LFR 110034  
AGE/CALV. 11/8  
AVG. WJ/CALV. 97/8  
ICP 426

BZK 080119

BZK 080021

CB 090019

HJL 070141  
AGE/CALV. 14/9  
AVG. WJ/CALV. 101/9

AG 070176

JDB 050027  
AGE/CALV. 9/5  
AVG. WJ/CALV. 97/5

RGR 010115

BZK 970027  
AGE/CALV. 13/9  
AVG. WJ/CALV. 105/7

BZK 020036

BZK 050005  
AGE/CALV. 15/11  
AVG. WJ/CALV. 104/11

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
99	90	88	101	84	98	98

Calf and Mother			Fertility				Post-Wean Growth			Frame			Carcass		
Birth Dir.	Wean Dir.	Wean Mat.	Scr. Circ.	Heifer Fert.	Cow Fert.	Longev.	Post Wean	ADG	FCR	Mature Weight	Height	Length	EMA	Fat	Mar
98	98	87	134	83	99	101	96	94	88	98	93	101	115	86	82

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
112	-	-	97	-	399	1.22

Myostatin	
Q204X	1
NT821	0
F94L	0

REMARKS:

LOGIX EBV Analysis: 2023-04-19

**LOT 9 PAULA VAN DEVENTER & FAMILY**


**BZK 200107**  
2020-10-02 SP

Parentage Sire Dam

DNA

Genomic

BBM 160126



**BZK 140016**  
AGE/CALV. 7/5  
AVG. WJ/CALV. 104/4  
ICP 453

**BZK 100013**  
AGE/CALV. 12/10  
AVG. WJ/CALV. 105/9  
ICP 392

BBM 130050

BBM 100003  
AGE/CALV. 13/11  
AVG. WJ/CALV. 102/10  
ICP 350

HDT 090002

BZK 100013

BBM 090033

BBM 040057  
AGE/CALV. 18/14  
AVG. WJ/CALV. 106/15

JRB 010135

BBM 040051  
AGE/CALV. 6/5  
AVG. WJ/CALV. 102/5

HDT 060002 Pp(c)

HDT 060054  
AGE/CALV. 9/5  
AVG. WJ/CALV. 102/5

HOT 060296

BZK 070116  
AGE/CALV. 8/5  
AVG. WJ/CALV. 107/4

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
74	123	96	84	107	119	131

Calf and Mother			Fertility				Post-Wean Growth			Frame			Carcass		
Birth Dir.	Wean Dir.	Wean Mat.	Scr. Circ.	Heifer Fert.	Cow Fert.	Longev.	Post Wean	ADG	FCR	Mature Weight	Height	Length	EMA	Fat	Mar
74	131	107	105	97	95	104	135	125	116	117	122	123	127	124	103

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
100	-	-	112	-	347	1.20

Myostatin	
Q204X	0
NT821	0
F94L	0

REMARKS:

LOGIX EBV Analysis: 2023-04-19

BULLE

**LOT 10 PAULA VAN DEVENTER & FAMILY**


**BZK 200194**  
2020-11-27 SP

**Ouerskap Vaar Moer**

DNS

Genomies

LFR 150048



BZK 150178  
OUD/KALW. 7/5  
GEM. SI/KALW. 103/4  
TKP 389

HJL 120124

**LFR 110034**  
OUD/KALW. 11/8  
GEM. SI/KALW. 97/8  
TKP 426

DDB 100032

BZK 030040  
OUD/KALW. 13/11  
GEM. SI/KALW. 105/11  
TKP 377

CB 090019

HJL 070141  
OUD/KALW. 14/9  
GEM. SI/KALW. 101/9

AG 070176

JDB 050027  
OUD/KALW. 9/5  
GEM. SI/KALW. 97/5

HJB 050049

NFS 060196  
OUD/KALW. 9/6  
GEM. SI/KALW. 102/5

**NPT 910022**

BZK 960082  
OUD/KALW. 14/11  
GEM. SI/KALW. 97/9

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids-waarde	Onderhouds-waarde	Koeiwaarde	Groei-waarde	Karkas-waarde
<b>87</b>	<b>116</b>	<b>96</b>	<b>113</b>	<b>110</b>	<b>124</b>	<b>122</b>

Kalf en Moeder			Vrugbaarheid				Na-Speen Groei			Raam			Karkas		
Geb. Dir.	Spn. Dir.	Spn. Mat.	Skr. Omtr.	Vers Vrugb.	Koei Vrugb.	Lankl.	Na-Speen	GDT	VOV	Volw. Gewig	Hoogte	Lengte	OSO	Vet	Mar
92	111	111	123	102	90	103	116	116	97	89	126	131	130	118	108

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
108	-	-	123	-	361	1.21

Miostatien	
Q204X	1
NT821	0
F94L	0

**OPMERKINGS:** **LOGIX** EBV Analise: 2023-04-19

**LOT 11 PAULA VAN DEVENTER & FAMILY**


**BZK 200132**  
2020-10-12 SP

**Ouerskap Vaar Moer**

DNS

Genomies

LFR 150048



BZK 150145  
OUD/KALW. 7/5  
GEM. SI/KALW. 99/5  
TKP 398

HJL 120124

**LFR 110034**  
OUD/KALW. 11/8  
GEM. SI/KALW. 97/8  
TKP 426

BZK 110140

BZK 080021  
OUD/KALW. 13/10  
GEM. SI/KALW. 103/9  
TKP 411

CB 090019

HJL 070141  
OUD/KALW. 14/9  
GEM. SI/KALW. 101/9

AG 070176

JDB 050027  
OUD/KALW. 9/5  
GEM. SI/KALW. 97/5

BZK 060118

BZK 070103  
OUD/KALW. 15/10  
GEM. SI/KALW. 104/10

BZK 020036

BZK 050005  
OUD/KALW. 15/11  
GEM. SI/KALW. 104/11

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids-waarde	Onderhouds-waarde	Koeiwaarde	Groei-waarde	Karkas-waarde
<b>80</b>	<b>97</b>	<b>98</b>	<b>97</b>	<b>93</b>	<b>110</b>	<b>113</b>

Kalf en Moeder			Vrugbaarheid				Na-Speen Groei			Raam			Karkas		
Geb. Dir.	Spn. Dir.	Spn. Mat.	Skr. Omtr.	Vers Vrugb.	Koei Vrugb.	Lankl.	Na-Speen	GDT	VOV	Volw. Gewig	Hoogte	Lengte	OSO	Vet	Mar
87	106	101	125	91	104	107	112	107	94	101	110	117	114	85	99

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
100	-	-	124	-	359	1.22

Miostatien	
Q204X	0
NT821	0
F94L	0

**OPMERKINGS:** **LOGIX** EBV Analise: 2023-04-19

**LOT 12 PAULA VAN DEVENTER & FAMILY**


**BZK 200018**  
2020-06-05 SP

**Ouerskap Vaar Moer**

DNS

Genomies

JCV 140045



BZK 120008  
OUD/KALW. 11/8  
GEM. SI/KALW. 108/8  
TKP 401

JCV 110209

JCV 110196  
OUD/KALW. 11/9  
GEM. SI/KALW. 108/9  
TKP 369

HOT 060296

BZK 030067  
OUD/KALW. 10/6  
GEM. SI/KALW. 104/6  
TKP 485

**GEL 060132**

JCV 010058  
OUD/KALW. 16/13  
GEM. SI/KALW. 105/13

GEL 080052

JCV 060103  
OUD/KALW. 5/3  
GEM. SI/KALW. 97/2

DB 040010

DB 030004  
OUD/KALW. 6/3  
GEM. SI/KALW. 110/1

HOT 990216

BZK 960044  
OUD/KALW. 11/4  
GEM. SI/KALW. 96/3

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids-waarde	Onderhouds-waarde	Koeiwaarde	Groei-waarde	Karkas-waarde
<b>85</b>	<b>106</b>	<b>102</b>	<b>82</b>	<b>101</b>	<b>101</b>	<b>108</b>

Kalf en Moeder			Vrugbaarheid				Na-Speen Groei			Raam			Karkas		
Geb. Dir.	Spn. Dir.	Spn. Mat.	Skr. Omtr.	Vers Vrugb.	Koei Vrugb.	Lankl.	Na-Speen	GDT	VOV	Volw. Gewig	Hoogte	Lengte	OSO	Vet	Mar
88	115	102	127	99	104	102	116	102	100	120	127	119	99	95	118

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
114	-	-	97	-	363	1.20

Miostatien	
Q204X	0
NT821	0
F94L	0

**OPMERKINGS:** **LOGIX** EBV Analise: 2023-04-19



**BULLS**

**LOT 13 PAULA VAN DEVENTER & FAMILY**


**BZK 200021**  
2020-06-12  
SP

Parentage Sire Dam

DNA

Genomic

JCV 140045



**BZK 110003**  
AGE/CALV. 12/9  
AVG. W1/CALV. 103/8  
ICP 372

**BZK 080118**  
AGE/CALV. 5/2  
AVG. W1/CALV. 96/2  
ICP 515

GEL 060132

JCV 010058  
AGE/CALV. 16/13  
AVG. W1/CALV. 105/13

GEL 080052

JCV 060103  
AGE/CALV. 5/3  
AVG. W1/CALV. 97/2

RGR 010115

**BZK 000224**  
AGE/CALV. 18/15  
AVG. W1/CALV. 104/14

**BZK 020036**

**BZK 050007**  
AGE/CALV. 16/13  
AVG. W1/CALV. 108/13

Calving Ease Value <b>92</b>	Weaner Calf Value <b>99</b>	Fertility Value <b>102</b>	Maintenance Value <b>97</b>	Cow Value <b>97</b>	Growth Value <b>82</b>	Carcass Value <b>97</b>
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Calf and Mother			Fertility				Post-Wean Growth			Frame			Carcass		
Birth Dir.	Wean Dir.	Wean Mat.	Scr. Circ.	Heifer Fert.	Cow Fert.	Longev.	Post Wean	ADG	FCR	Mature Weight	Height	Length	EMA	Fat	Mar
87	105	94	87	96	108	103	101	85	93	102	114	105	90	138	136

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
102	-	-	90	-	327	1.17

Myostatin	
Q204X	0
NT821	0
F94L	0

**REMARKS:**

**LOGIX** EBV Analysis: 2023-04-19

**LOT 14 PAULA VAN DEVENTER & FAMILY**


**BZK 200166**  
2020-10-29  
SP

Parentage Sire Dam

DNA

Genomic

LFR 150048



**BZK 100006**  
AGE/CALV. 11/8  
AVG. W1/CALV. 102/8  
ICP 388

**BZK 070167**  
AGE/CALV. 14/11  
AVG. W1/CALV. 103/11  
ICP 416

CB 090019

HJL 070141  
AGE/CALV. 14/9  
AVG. W1/CALV. 101/9

AG 070176

JDB 050027  
AGE/CALV. 9/5  
AVG. W1/CALV. 97/5

DB 040010

DB 030004  
AGE/CALV. 6/3  
AVG. W1/CALV. 110/1

**BZK 020036**

**BZK 030070**  
AGE/CALV. 14/11  
AVG. W1/CALV. 91/11

Calving Ease Value <b>109</b>	Weaner Calf Value <b>92</b>	Fertility Value <b>83</b>	Maintenance Value <b>109</b>	Cow Value <b>87</b>	Growth Value <b>89</b>	Carcass Value <b>94</b>
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Calf and Mother			Fertility				Post-Wean Growth			Frame			Carcass		
Birth Dir.	Wean Dir.	Wean Mat.	Scr. Circ.	Heifer Fert.	Cow Fert.	Longev.	Post Wean	ADG	FCR	Mature Weight	Height	Length	EMA	Fat	Mar
110	91	94	105	85	86	103	94	89	86	91	97	102	113	98	106

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
95	-	-	102	-	352	1.20

Myostatin	
Q204X	0
NT821	0
F94L	0

**REMARKS:**

**LOGIX** EBV Analysis: 2023-04-19

**LOT 15 PAULA VAN DEVENTER & FAMILY**


**BZK 200102**  
2020-09-26  
SP

Parentage Sire Dam

DNA

Genomic

JCV 140045



**BZK 090031**  
AGE/CALV. 12/10  
AVG. W1/CALV. 104/9  
ICP 367

**BZK 050012**  
AGE/CALV. 16/12  
AVG. W1/CALV. 105/12  
ICP 413

GEL 060132

JCV 010058  
AGE/CALV. 16/13  
AVG. W1/CALV. 105/13

GEL 080052

JCV 060103  
AGE/CALV. 5/3  
AVG. W1/CALV. 97/2

RGR 970120

RGR 980016  
AGE/CALV. 8/4  
AVG. W1/CALV. 107/3

HOT 990216

**BZK 980051**  
AGE/CALV. 13/8  
AVG. W1/CALV. 118/8

Calving Ease Value <b>107</b>	Weaner Calf Value <b>113</b>	Fertility Value <b>88</b>	Maintenance Value <b>84</b>	Cow Value <b>100</b>	Growth Value <b>114</b>	Carcass Value <b>118</b>
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Calf and Mother			Fertility				Post-Wean Growth			Frame			Carcass		
Birth Dir.	Wean Dir.	Wean Mat.	Scr. Circ.	Heifer Fert.	Cow Fert.	Longev.	Post Wean	ADG	FCR	Mature Weight	Height	Length	EMA	Fat	Mar
102	117	91	148	81	103	100	113	110	104	119	139	123	92	123	146

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
110	-	-	117	-	421	1.17

Myostatin	
Q204X	0
NT821	0
F94L	0

**REMARKS:**

**LOGIX** EBV Analysis: 2023-04-19

BULLE

LOT 16 PAULA VAN DEVENTER & FAMILY



BZK 200164  
2020-10-28  
SP

Ouerskap Vaar Moer

DNS   
Genomies

RCO 150048



BZK 080016  
OUD/KALW. 14/13  
GEM. SI/KALW. 97/12  
TKP 369

CEF 100304 HH(c)

RCO 080004  
OUD/KALW. 9/7  
GEM. SI/KALW. 91/7  
TKP 384

JJF 010071

BZK 000030  
OUD/KALW. 17/14  
GEM. SI/KALW. 97/12  
TKP 383

CEF 080025

CEF 070151  
OUD/KALW. 15/13  
GEM. SI/KALW. 101/12

CEF 030351

RCO 050007  
OUD/KALW. 8/5  
GEM. SI/KALW. 101/6

JJF 970046

JJF 900133  
OUD/KALW. 12/10  
GEM. SI/KALW. 100/9

IVY 970335

BZK 970019  
OUD/KALW. 10/7  
GEM. SI/KALW. 99/6

Geboortegemak  
Waarde  
**111**

Speenkalf  
Waarde  
**75**

Vrugbaarheids-  
waarde  
**105**

Onderhouds-  
waarde  
**117**

Koeiwaarde  
**89**

Groei-  
waarde  
**80**

Karkas-  
waarde  
**76**

Kalf en Moeder			Vrugbaarheid				Na-Speen Groei			Raam			Karkas		
Geb. Dir.	Spn. Dir.	Spn. Mat.	Skr. Omtr.	Vers Vrugb.	Koei Vrugb.	Lankl.	Na-Speen	GDT	VOV	Volw. Gewig	Hoogte	Lengte	OSO	Vet	Mar
111	73	93	94	103	106	99	77	84	87	86	64	72	89	92	77

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
92	-	-	106	-	353	1.19

Miostatien	
Q204X	1
NT821	0
F94L	0

OPMERKINGS:

LOGIX EBV Analise: 2023-04-19

Dier Info				Actual Values					Expected Breeding Values										Indices			Dam				
LOT	Animal ID	Sex	SEC	Birth Wt (kg)	205d Wt (kg)	CCB Ratio	CCW Ratio	Length Height Ratio	Scr. Circ. (mm)	Birth Dir (kg)	Birth Mat (kg)	Wean Dir (kg)	Wean Mat (kg)	Post Wean (kg)	Mature Weight. (kg)	ADG (g/d)	FCR (kg:kg)	Scr. Circ. (mm)	Height. (mm)	Length (mm)	Wean	ADG	Scr. Circ.	Avg. Wean Index	Nr. Calves	Repr. Index
<b>Breed Average</b>				34	247	6.53	38.3	1.20	361	1.07	-0.22	14.4	3.8	23	10	106	-48	11.6	10	29	107	105	115	103	6.0	106
<b>Auction Average</b>				34	247	6.53	38.3	1.20	361	1.45	-0.15	17.1	2.7	31	17	114	-44	21.5	10	29	107	105	115	103	6.0	106
1	BZK 200025	M	SP	28	239	6.05	36.8	1.19	359	-0.54	-0.85	11.2	1.0	26.1	11.5	84	-35	27.3	11	27	107	91	124	101	5	106
2	BZK 200126	M	SP	36	214	6.62	35.6	1.17	348	1.82	0.77	16.6	0.7	34.3	21.9	154	-51	9.2	6	26	90	120	96	95	5	106
3	BZK 200020	M	SP	33	265	5.99	38.6	1.20	362	0.94	-0.35	18.2	-0.9	26.7	32.1	54	-43	17.5	9	20	118	91	109	104	5	103
4	BZK 200012	M	SP	37	259	6.61	41.3	1.20	387	1.42	0.42	16.9	8.3	31.7	28.0	118	-42	30.7	20	39	112	108	130	111	6	102
5	BZK 200192	M	SP	33	263	5.81	36.6	1.22	351	1.37	-0.48	21.0	4.8	41.8	17.9	155	-61	25.5	10	37	116	108	121	109	5	107
6	BZK 200203	M	SP	34	268	5.82	30.9	1.20	333	1.89	-0.83	17.0	-0.3	27.2	0.2	125	-53	8.8	-9	12	118	101	96	106	4	101
7	BZK 200146	M	SP	28	262	6.32	39.9	1.17	354	1.23	-0.54	22.6	2.0	35.7	42.2	122	-57	24.8	20	36	118	95	121	113	2	97
8	BZK 200207	M	SP	34	256	6.4	30.6	1.22	399	1.27	-0.29	13.4	0.1	22.6	7.6	78	-26	33.6	-4	17	112	97	134	90	7	108
9	BZK 200107	M	SP	41	256	6.97	43.8	1.20	347	3.85	0.28	28.1	5.6	53.0	27.9	227	-78	14.9	19	45	100	112	105	104	5	101
10	BZK 200194	M	SP	37	250	7.79	40.6	1.21	361	1.91	0.68	19.6	6.8	37.6	-2.4	184	-43	26.7	23	56	108	123	123	103	5	106
11	BZK 200132	M	SP	37	234	8.26	45.8	1.22	359	2.49	0.85	17.1	4.0	34.6	10.7	140	-36	27.6	10	37	100	124	125	99	5	106
12	BZK 200018	M	SP	40	265	6.51	39.4	1.20	363	2.36	0.27	21.1	4.4	38.4	31.2	114	-48	29.3	24	40	114	97	127	108	8	109
13	BZK 200021	M	SP	40	241	7.14	42.7	1.17	327	2.46	-0.98	16.5	1.9	27.6	11.6	32	-35	3.2	13	22	102	90	87	103	9	110
14	BZK 200166	M	SP	30	217	5.93	34.3	1.20	352	-0.01	-0.05	10.4	2.0	21.1	0.2	50	-21	15	-1	18	95	102	105	102	8	106
15	BZK 200102	M	SP	28	246	4.85	41.6	1.17	421	0.85	-1.09	21.9	1.2	37.4	30.2	153	-55	42.5	34	46	110	117	148	104	10	110
16	BZK 200164	M	SP	34	216	7.34	34.9	1.19	353	-0.10	-0.18	2.6	1.8	7.7	-5.0	26	-22	7.6	-29	-20	92	106	94	97	13	115

**EXPLANATION OF CATALOGUE ABBREVIATIONS**

**VERDUIDELIKING VAN KATALOGUS AFKORTINGS**

Lot Number	LOT	LOT	Lot Nommer
Estimated breeding value	EBV	EBV	Beraamde teelwaarde
Parentage verification	Parentage	Ouerskap	Ouerskap verifikasie
Age in years / Number of calvings	AGE. / CALV.	OUDE. / KALF.	Ouderdom in jaar / Aantal kalwings
Average Wean index / Number of calves weaned	Ave WI / CALV.	GEM SI / KALF.	Gemiddelde speen indeks / Aantal kalwers gespeen
Animal identification number	ID	ID	Dier se identifikasie nommer
Herd Book Section	SEC	AFD	Kuddeboek Afdeling
Herd Book Section: Pending Registration	PEN	PEN	Kuddeboek Afdeling: Wag vir Registrasie
Herd Book Section: Not for Registration	NFR	NFR	Kuddeboek Afdeling: Nie vir Registrasie
Herd Book Section: Foundation Generation	FO	FO	Kuddeboek Afdeling: Fondasie Generasie
Herd Book Section: Appendix A	A	A	Kuddeboek Afdeling: Aanhangsel A
Herd Book Section: Appendix B	B	B	Kuddeboek Afdeling: Aanhangsel B
Herd Book Section: Studbook Proper, a registered animal	SP	SP	Kuddeboek Afdeling: Studbook Proper, 'n geregistreerde dier
Genomically Tested	GT	GT	Genomies Getoets
Homozygous Horned (Celtic test)	HH(c)	HH(c)	Homosigoties horings (Celtic toets)
Homozygous Polled (Celtic test)	PP(c)	PP(c)	Homosigoties Poena (Celtic toets)
Heterozygous Polled (Celtic test)	Pp(c)	Pp(c)	Heterosigoties Poena (Celtic toets)
Phenotypically Polled	P	P	Fenotopies Poena
Intercalving Period	ICP	TKP	Tussen-Kalf Periode
Birth Direct breeding value	Birth Dir.	Geb. Dir	Geboorte Direk teelwaarde
Wean Direct breeding value	Wean Dir.	Spn. Dir.	Speen Direk teelwaarde
Wean Maternal breeding value	Wean Mat.	SPn. Mat.	Speen Maternaal teelwaarde
Scrotal Circumference	Scr. Circ.	Skr. Omt.	Skrotum omtrek
Heifer Fertility	Heifer Fert.	Vers Vrugb.	Vers Vrugbaarheid
Cow Fertility	Cow Fert.	Koei Vrugb.	Koei Vrugbaarheid
Longevity	Longev.	Lankl.	Lanklewendheid
Mature Weight	Mat. Wt.	Volw. Gewig	Volwasse gewig
Average Daily Gain (g/day)	ADG	GDT	Gemiddelde Daaglikse Toename
Feed Conversion Ratio (kg:kg)	FCR	VOV	Voeromset Verhouding
Eye Muscle Area	EMA	OSO	Oogspier grootte
Backfat Thickness	Fat	Vet	Rugvet Diepte
Marbeling (intra-muscular fat)	Mar	Mar	Marmering (binne-spierse vet)
365-day weight index	365D Index	365D Indeks	365-dae gewig indeks
540-day weight index	540D Index	540D Indeks	540-dae gewig indeks
Length-Height ratio	LH	LH	Lengte-Hoogte Verhouding
Actual Birth weight	Birth Wt.	Geb. gewig	Werklike Geboorte gewig
205-day Dam-age corrected weight	205d Wt.	205d gewig	205-dag Moeder-ouderdom gekorrigeerde gewig
Cow-Calf Birth Ratio	CCG	KKG	Koei-Kalf Geboorte Verhouding
Cow-Calf Wean Ratio	CCW	KKS	Koei-Kalf Speen Verhouding
Average Weaning Index	Avg. Wean Index	Gem. Spn. Indeks	Gemiddelde speen indeks
Number of Calves	Nr. Calves	Aant. Kalw.	Aantal kalwers
Reproduction Index	Repr. Index	Repr. Indeks	Reproduksie indeks
Animal sex: M - Male, F - Female	M / F	M / V	Dier geslag: M - Manlik, V - Vroulik