AMPTELIKE VEILINGSKATALOGUS VIR / OFFICIAL AUCTION CATALOGUE FOR

BLOEMENDAL BONSMARAS

Veilingsdatum / Auction Date:
16 August 2023

Data soos op / Data as on:
24 July 2023

BONSMARA SA

BLOEMENDAL BONSMARAS

SA STAMBOEK STUD BOOK

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.

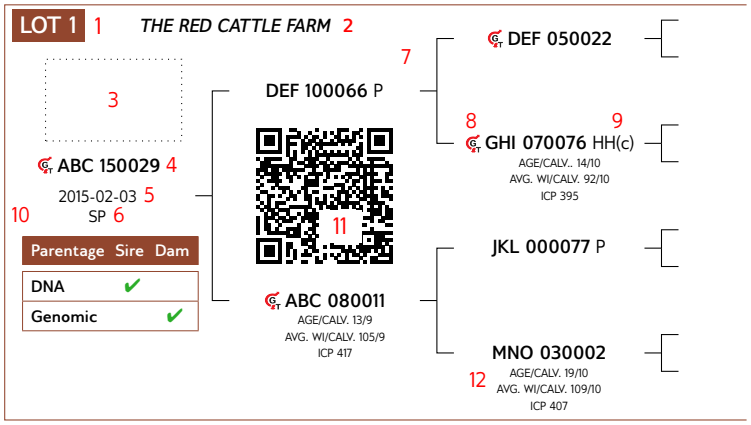
Die Genootskap het egter GEEN beheer oor:

- 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.

BONSMARA SA

ANIMAL AND PEDIGREE INFORMATION



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** 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

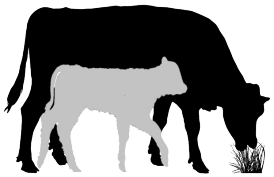
MYOSTATIN STATUS

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

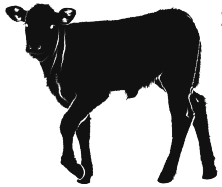


5 L♀GIX Cow Value

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



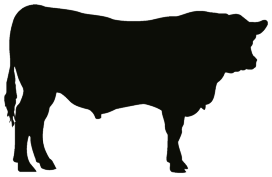
2 L♀GIX Weaner Calf Value

Selection of:

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

7 L♀GIX Carcass Value

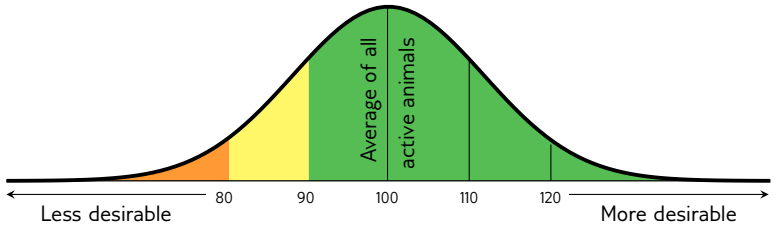
Selection for higher meat yield on carcass



6 L♀GIX Growth Value

Selection of efficient growers on veld & in the feedlot

INTERPRETATION OF BREEDING VALUE INDICES



Average between 90 and 110

(Acceptable between 80 and 120)

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**	CF.E	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

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

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

- 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

CHRIS KRUGELL BLOEMENDAL BK

CKB 190100 HH(c)
2019-11-04
SP

Parentage	Sire	Dam
DNA	✔	
Genomic	✔	

CKB 150076 HH(c)
CKB 120026
AGE/CALV. 9/7
AVG. WI/CALV. 106/7
ICP 405

CKB 110010
CKB 110038
AGE/CALV. 11/10
AVG. WI/CALV. 110/9
ICP 365
LAR 080019
LAR 080091
AGE/CALV. 15/12
AVG. WI/CALV. 96/11
ICP 375

FCT 980067
DKN 040109
AGE/CALV. 13/9
AVG. WI/CALV. 96/9
RGR 060143
DNT 050082
AGE/CALV. 14/12
AVG. WI/CALV. 100/11
GCD 050148
LAR 050229
AGE/CALV. 13/10
AVG. WI/CALV. 109/10
LAR 050186
LAR 970394
AGE/CALV. 11/9
AVG. WI/CALV. 100/9

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
117	121	130	91	136	110	119

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
114	116	99	116	121	117	119	116	112	105	108	91	112	121	110	108

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
139	103	103	-	-	-	-

Myostatin	
Q204X	0
NT821	0
F94L	0

REMARKS: Behou een mede eienaarskap

LOGIX EBV Analysis: 2023-07-19

LOT 2

CHRIS KRUGELL BLOEMENDAL BK

CKB 200083
2020-10-13
SP

Parentage	Sire	Dam
DNA	✔	
Genomic		

CKB 160034 HH(c)
CKB 150041
AGE/CALV. 7/5
AVG. WI/CALV. 90/5
ICP 452

AG 130024 HH(c)
HDT 070117
AGE/CALV. 11/8
AVG. WI/CALV. 108/7
ICP 417
SYF 120042
PHR 100041
AGE/CALV. 13/10
AVG. WI/CALV. 93/10
ICP 414

AG 090751
HJB 030230
AGE/CALV. 14/9
AVG. WI/CALV. 99/8
HDT 030078 P
HDT 030074 HH(c)
AGE/CALV. 11/8
AVG. WI/CALV. 99/7
SYF 070036
SYF 060149
AGE/CALV. 7/6
AVG. WI/CALV. 101/7
EI 940339
PHR 050304
AGE/CALV. 11/8
AVG. WI/CALV. 113/7

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
87	94	97	98	90	97	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
93	106	87	105	95	98	104	103	98	105	100	106	102	90	100	86

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
95	-	-	103	-	351	1.20

Myostatin	
Q204X	0
NT821	0
F94L	0

REMARKS:

LOGIX EBV Analysis: 2023-07-19

LOT 3

CHRIS KRUGELL BLOEMENDAL BK

CKB 200077
2020-10-08
SP

Parentage	Sire	Dam
DNA	✔	
Genomic		

CKB 170038
CKB 170111
AGE/CALV. 5/2
AVG. WI/CALV. 110/2
ICP 724

SYF 150097 HH(c)
CKB 130035
AGE/CALV. 9/8
AVG. WI/CALV. 100/8
ICP 366
CKB 140035
CKB 120042
AGE/CALV. 10/9
AVG. WI/CALV. 103/8
ICP 361

SYF 120042
SYF 070104
AGE/CALV. 14/12
AVG. WI/CALV. 98/10
LAR 080019
DNT 030054
AGE/CALV. 15/12
AVG. WI/CALV. 100/12
AG 080454 HH(c)
PHR 100121
AGE/CALV. 12/8
AVG. WI/CALV. 96/7
LAR 080019
SYF 020080
AGE/CALV. 11/8
AVG. WI/CALV. 104/8

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
95	110	107	100	110	121	121

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
95	112	97	104	101	105	111	117	112	104	98	79	101	111	117	98

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
109	-	-	118	-	340	1.23

Myostatin	
Q204X	0
NT821	0
F94L	0

REMARKS:

LOGIX EBV Analysis: 2023-07-19

BULLE

LOT 4

CHRIS KRUGELL BLOEMENDAL BK

CKB 180054
2018-09-27
SP

Ouerskap	Vaar	Moer
DNS	✔	
Genomies		

SYF 120042
BDX 140032
OUD/KALW. 9/7
GEM. SI/KALW. 96/6
TKP 360

SYF 070036
SYF 060149
OUD/KALW. 7/6
GEM. SI/KALW. 101/7
TKP 362
SYF 090010
DNT 070027
OUD/KALW. 14/11
GEM. SI/KALW. 100/11
TKP 407

AG 020251
SYF 990070
OUD/KALW. 19/15
GEM. SI/KALW. 99/14
SYF 020051
SYF 960070
OUD/KALW. 13/11
GEM. SI/KALW. 107/9
SYF 040160
SYF 060173
OUD/KALW. 6/3
GEM. SI/KALW. 102/3
ZAK 010077
DNT 000056
OUD/KALW. 15/12
GEM. SI/KALW. 97/12

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids-waarde	Onderhouds-waarde	Koeiwaarde	Groei-waarde	Karkas-waarde
94	91	103	106	92	97	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
97	105	72	116	102	96	113	106	106	111	94	86	98	127	91	92

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
99	-	-	99	-	381	1.22

Miostatien	
Q204X	1
NT821	0
F94L	0

OPMERKINGS: Behou een mede eienaarskap

LOGIX EBV Analise: 2023-07-19

LOT 5

CHRIS KRUGELL BLOEMENDAL BK

CKB 200132
2020-11-24
SP

Ouerskap	Vaar	Moer
DNS	✔	
Genomies		

CKB 170033
CKB 080002
OUD/KALW. 13/11
GEM. SI/KALW. 103/11
TKP 391

SYF 120090 HH(c)
CKB 120043
OUD/KALW. 10/9
GEM. SI/KALW. 111/9
TKP 362
DNT 040026
DNT 050071
OUD/KALW. 11/8
GEM. SI/KALW. 98/8
TKP 436

ADV 070154
SYF 070114
OUD/KALW. 13/11
GEM. SI/KALW. 103/10
LAR 080019
DZT 090057
OUD/KALW. 13/11
GEM. SI/KALW. 110/9
DNT 000001
DNT 980116
OUD/KALW. 9/6
GEM. SI/KALW. 103/6
ZAK 010077
DNT 990001
OUD/KALW. 8/6
GEM. SI/KALW. 99/6

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids-waarde	Onderhouds-waarde	Koeiwaarde	Groei-waarde	Karkas-waarde
97	120	99	90	113	133	125

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
96	115	116	140	98	96	105	120	117	99	109	113	116	117	118	122

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
100	-	-	113	-	403	1.21

Miostatien	
Q204X	0
NT821	0
F94L	0

OPMERKINGS:

LOGIX EBV Analise: 2023-07-19

LOT 6

CHRIS KRUGELL BLOEMENDAL BK

CKB 200035
2020-09-18
SP

Ouerskap	Vaar	Moer
DNS	✔	
Genomies		

LAR 140173 HH(c)
CKB 140059
OUD/KALW. 8/6
GEM. SI/KALW. 101/6
TKP 430

LAR 120033
LAR 100159
OUD/KALW. 12/10
GEM. SI/KALW. 106/10
TKP 381
ADV 100082 HH(c)
DNT 050071
OUD/KALW. 11/8
GEM. SI/KALW. 98/8
TKP 436

LAR 070055
LAR 090199
OUD/KALW. 6/3
GEM. SI/KALW. 104/3
LAR 080054
LAR 020268
OUD/KALW. 17/14
GEM. SI/KALW. 104/13
SYF 060102
ADV 060117
OUD/KALW. 15/12
GEM. SI/KALW. 98/12
ZAK 010077
DNT 990001
OUD/KALW. 8/6
GEM. SI/KALW. 99/6

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids-waarde	Onderhouds-waarde	Koeiwaarde	Groei-waarde	Karkas-waarde
94	118	109	89	115	129	124

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	125	91	113	116	91	109	132	128	116	112	93	114	131	75	92

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
102	-	-	106	-	358	1.21

Miostatien	
Q204X	0
NT821	0
F94L	0

OPMERKINGS: Behou drie mede eienaarskappe

LOGIX EBV Analise: 2023-07-19

BULLS

LOT 7 — CHRIS KRUGELL BLOEMENDAL BK

CKB 200059
2020-09-24
SP

Parentage	Sire	Dam
DNA	✔	
Genomic		

CKB 160090 HH(c)
ADV 100109
AGE/CALV. 13/11
AVG. WI/CALV. 99/9
ICP 366

CKB 130047
PHR 100235
AGE/CALV. 12/10
AVG. WI/CALV. 110/8
ICP 416
SYF 060102
ADV 060045
AGE/CALV. 9/6
AVG. WI/CALV. 95/4
ICP 409

LAR 080019
LAR 080091
AGE/CALV. 15/12
AVG. WI/CALV. 96/11
FCT 050127
PHR 060226
AGE/CALV. 13/8
AVG. WI/CALV. 100/6
AG 960296
SYF 970136
AGE/CALV. 16/11
AVG. WI/CALV. 104/9
AG 980012
AG 960119
AGE/CALV. 15/12
AVG. WI/CALV. 102/12

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
112	103	100	113	105	101	104

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
111	98	93	101	104	93	103	103	108	112	89	79	88	133	86	120

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
112	-	-	96	-	370	1.20

Myostatin	
Q204X	0
NT821	0
F94L	0

REMARKS:

LOGIX EBV Analysis: 2023-07-19

LOT 8 — CHRIS KRUGELL BLOEMENDAL BK

CKB 200027 HH(c)
2020-09-15
SP

Parentage	Sire	Dam
DNA	✔	
Genomic	✔	

LAR 140173 HH(c)
CKB 120043
AGE/CALV. 10/9
AVG. WI/CALV. 111/9
ICP 362

LAR 120033
LAR 100159
AGE/CALV. 12/10
AVG. WI/CALV. 106/10
ICP 381
LAR 080019
DZT 090057
AGE/CALV. 13/11
AVG. WI/CALV. 110/9
ICP 403

LAR 070055
LAR 090199
AGE/CALV. 6/3
AVG. WI/CALV. 104/3
LAR 080054
LAR 020268
AGE/CALV. 17/14
AVG. WI/CALV. 104/13
GCD 050148
LAR 050229
AGE/CALV. 13/10
AVG. WI/CALV. 109/10
JPL 070041 P
DZT 070006
AGE/CALV. 8/5
AVG. WI/CALV. 101/5

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
93	134	111	75	129	154	150

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
96	131	122	134	102	108	116	145	148	122	128	108	130	151	81	121

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
120	-	-	126	-	358	1.25

Myostatin	
Q204X	0
NT821	0
F94L	0

REMARKS: Behou een mede eienaarskap, Moeder 2021 LNR Elite Bonsmara koei.

LOGIX EBV Analysis: 2023-07-19

LOT 9 — CHRIS KRUGELL BLOEMENDAL BK

CKB 200079
2020-10-09
SP

Parentage	Sire	Dam
DNA	✔	
Genomic		

CKB 160034 HH(c)
CKB 090001
AGE/CALV. 14/11
AVG. WI/CALV. 104/11
ICP 403

AG 130024 HH(c)
HDT 070117
AGE/CALV. 11/8
AVG. WI/CALV. 108/7
ICP 417
DNT 040026
DNT 060028
AGE/CALV. 12/8
AVG. WI/CALV. 102/8
ICP 428

AG 090751
HJB 030230
AGE/CALV. 14/9
AVG. WI/CALV. 99/8
HDT 030078 P
HDT 030074 HH(c)
AGE/CALV. 11/8
AVG. WI/CALV. 99/7
DNT 000001
DNT 980116
AGE/CALV. 9/6
AVG. WI/CALV. 103/6
DNT 030019
DNT 990060
AGE/CALV. 16/13
AVG. WI/CALV. 105/12

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
99	109	107	99	111	94	105

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	107	103	109	102	110	100	104	104	116	98	107	100	95	103	115

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
107	-	-	92	-	360	1.19

Myostatin	
Q204X	0
NT821	0
F94L	0

REMARKS:

LOGIX EBV Analysis: 2023-07-19

BULLE

LOT 10

CHRIS KRUGELL BLOEMENDAL BK

CKB 200022
2020-09-15
SP

Ouerskap	Vaar	Moer
DNS	✔	
Genomies		

CKB 150076 HH(c)
- CKB 110010
  - FCT 980067
  - DKN 040109 (OUD/KALW. 13/9 GEM. SI/KALW. 96/9)
- CKB 110038 (OUD/KALW. 11/10 GEM. SI/KALW. 110/9 TKP 365)
  - RGR 060143
  - DNT 050082 (OUD/KALW. 14/12 GEM. SI/KALW. 100/11)

PHR 090213 (OUD/KALW. 12/8 GEM. SI/KALW. 107/8 TKP 502)
- PHR 060205
  - PHR 030036
  - PHR 000123 (OUD/KALW. 11/7 GEM. SI/KALW. 107/5)
- PHR 060162 (OUD/KALW. 4/1 GEM. SI/KALW. 111/1 TKP -)
  - PHR 000009
  - PHR 030179 (OUD/KALW. 5/2 GEM. SI/KALW. 98/2)

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids-waarde	Onderhouds-waarde	Koeiwaarde	Groei-waarde	Karkas-waarde
107	106	92	95	102	122	124

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
109	102	108	138	93	93	102	107	118	108	102	117	121	117	136	137

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
113	-	-	100	-	405	1.24

Miostatien	
Q204X	0
NT821	0
F94L	0

OPMERKINGS:

LOGIX EBV Analise: 2023-07-19

LOT 11

CHRIS KRUGELL BLOEMENDAL BK

CKB 200063
2020-09-25
SP

Ouerskap	Vaar	Moer
DNS	✔	
Genomies		

SYF 150155 HH(c)
- SYF 120090 HH(c)
  - ADV 070154
  - SYF 070114 (OUD/KALW. 13/11 GEM. SI/KALW. 103/10)
- ADV 080229 (OUD/KALW. 11/9 GEM. SI/KALW. 102/9 TKP 391)
  - ADV 050155
  - ADV 040035 (OUD/KALW. 11/6 GEM. SI/KALW. 96/6)

CKB 170039 (OUD/KALW. 5/3 GEM. SI/KALW. 91/3 TKP 368)
- SYF 150097 HH(c)
  - SYF 120042
  - SYF 070104 (OUD/KALW. 14/12 GEM. SI/KALW. 98/10)
- CKB 120020 (OUD/KALW. 8/4 GEM. SI/KALW. 109/3 TKP 624)
  - AG 070458
  - CKB 080001 (OUD/KALW. 11/8 GEM. SI/KALW. 96/8)

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids-waarde	Onderhouds-waarde	Koeiwaarde	Groei-waarde	Karkas-waarde
112	96	100	112	98	111	108

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
113	103	69	110	99	98	106	112	112	106	91	80	103	133	90	88

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
96	-	-	105	-	360	1.24

Miostatien	
Q204X	1
NT821	0
F94L	0

OPMERKINGS:

LOGIX EBV Analise: 2023-07-19

LOT 12

CHRIS KRUGELL BLOEMENDAL BK

CKB 200040 HH(c)
2020-09-19
SP

Ouerskap	Vaar	Moer
DNS	✔	
Genomies	✔	

SYF 150155 HH(c)
- SYF 120090 HH(c)
  - ADV 070154
  - SYF 070114 (OUD/KALW. 13/11 GEM. SI/KALW. 103/10)
- ADV 080229 (OUD/KALW. 11/9 GEM. SI/KALW. 102/9 TKP 391)
  - ADV 050155
  - ADV 040035 (OUD/KALW. 11/6 GEM. SI/KALW. 96/6)

CKB 170052 (OUD/KALW. 5/2 GEM. SI/KALW. 111/1 TKP 744)
- ADV 130332
  - ADV 110062
  - ADV 110042 (OUD/KALW. 9/4 GEM. SI/KALW. 103/4)
- CKB 150086 (OUD/KALW. 7/3 GEM. SI/KALW. 90/3 TKP 539)
  - CKB 110010
  - CKB 080006 (OUD/KALW. 12/9 GEM. SI/KALW. 102/9)

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids-waarde	Onderhouds-waarde	Koeiwaarde	Groei-waarde	Karkas-waarde
105	106	89	102	98	111	122

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
108	111	84	99	89	90	106	118	122	118	97	83	107	126	119	112

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
111	-	-	106	-	333	1.28

Miostatien	
Q204X	0
NT821	0
F94L	0

OPMERKINGS: Behou een mede eienaarskap

LOGIX EBV Analise: 2023-07-19

BULLS

LOT 15 — CHRIS KRUGELL BLOEMENDAL BK

CKB 200131
2020-11-17
SP

Parentage	Sire	Dam
DNA	✔	
Genomic		

CKB 160090 HH(c)
CKB 140058
AGE/CALV. 8/7
AVG. WI/CALV. 93/6
ICP 357

CKB 130047
PHR 100235
AGE/CALV. 12/10
AVG. WI/CALV. 110/8
ICP 416

ADV 100082 HH(c)
CKB 110020
AGE/CALV. 10/8
AVG. WI/CALV. 99/6
ICP 436

LAR 080019
LAR 080091
AGE/CALV. 15/12
AVG. WI/CALV. 96/11

FCT 050127
PHR 060226
AGE/CALV. 13/8
AVG. WI/CALV. 100/6

SYF 060102
ADV 060117
AGE/CALV. 15/12
AVG. WI/CALV. 98/12

FCT 980067
BHE 030047
AGE/CALV. 11/8
AVG. WI/CALV. 96/8

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
102	96	110	99	102	123	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
103	104	84	96	109	105	105	117	111	98	100	86	98	112	96	99

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
99	-	-	119	-	328	1.22

Myostatin	
Q204X	0
NT821	0
F94L	0

REMARKS:

LOGIX EBV Analysis: 2023-07-19

LOT 16 — CHRIS KRUGELL BLOEMENDAL BK

CKB 200134
2020-11-25
SP

Parentage	Sire	Dam
DNA	✔	
Genomic		

CKB 160032
CKB 170035
AGE/CALV. 5/2
AVG. WI/CALV. 109/2
ICP 665

AG 130024 HH(c)
ADV 100322
AGE/CALV. 12/9
AVG. WI/CALV. 104/8
ICP 444

SYF 150097 HH(c)
CKB 130046
AGE/CALV. 9/6
AVG. WI/CALV. 104/6
ICP 436

AG 090751
HJB 030230
AGE/CALV. 14/9
AVG. WI/CALV. 99/8

ADV 070005
ADV 060195
AGE/CALV. 5/3
AVG. WI/CALV. 100/3

SYF 120042
SYF 070104
AGE/CALV. 14/12
AVG. WI/CALV. 98/10

LAR 080019
PHR 100041
AGE/CALV. 13/10
AVG. WI/CALV. 93/10

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
124	111	99	126	115	98	103

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
122	97	92	97	95	102	106	99	101	107	76	89	96	111	123	113

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
97	-	-	100	-	335	1.22

Myostatin	
Q204X	0
NT821	0
F94L	0

REMARKS:

LOGIX EBV Analysis: 2023-07-19

LOT 17 — CHRIS KRUGELL BLOEMENDAL BK

CKB 200006
2020-01-07
SP

Parentage	Sire	Dam
DNA	✔	
Genomic		

CKB 160044
CKB 110017
AGE/CALV. 11/9
AVG. WI/CALV. 101/9
ICP 418

ADV 100082 HH(c)
CKB 130055
AGE/CALV. 9/7
AVG. WI/CALV. 120/6
ICP 364

FCT 980067
TGR 030068
AGE/CALV. 12/9
AVG. WI/CALV. 98/9
ICP 423

SYF 060102
ADV 060117
AGE/CALV. 15/12
AVG. WI/CALV. 98/12

LAR 080019
CKB 100022
AGE/CALV. 3/1
AVG. WI/CALV. 113/1

EI 940339
JVD 910053
AGE/CALV. 12/10
AVG. WI/CALV. 104/10

BHE 990131
BHE 940125
AGE/CALV. 12/8
AVG. WI/CALV. 95/7

Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value
95	98	108	94	101	106	103

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	105	95	118	101	105	114	110	107	102	105	101	108	99	95	93

Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH
98	105	101	-	-	-	-

Myostatin	
Q204X	0
NT821	0
F94L	0

REMARKS:

LOGIX EBV Analysis: 2023-07-19

Bonsmara SA Cattle Breeders' Society

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
	Breed Average									1.09	-0.22	14.5	3.8	23	10	106	-49	11.5							
	Auction Average			34	220	7.01	46.2	1.22	360	0.73	-0.04	18.6	2.1	37	11	174	-66	20.1	-3	24	106	106	113	102	7.0	101
1	CKB 190100	M	SP	37	284	7.25	50.8	-	-	-0.40	-0.83	21.6	3.6	40.6	18.6	166	-60	22.3	-6	32	139	-	116	106	7	102
2	CKB 200083	M	SP	36	199	8.07	42.9	1.20	351	1.87	0.75	17.2	0.2	27.3	10.3	94	-58	14.5	6	18	95	103	105	90	5	106
3	CKB 200077	M	SP	35	242	9.07	54.5	1.23	340	1.61	-0.11	20.1	2.9	40.2	7.7	167	-58	13.9	-16	16	109	118	104	110	2	79
4	CKB 180054	M	SP	40	209	9.03	55.6	1.22	381	1.45	0.18	16.6	-4.4	30.3	3.0	136	-71	21.7	-10	13	99	99	116	96	7	115
5	CKB 200132	M	SP	36	218	7.17	38.3	1.21	403	1.50	-0.29	21.2	8.4	42.9	19.8	192	-47	37.8	12	37	100	113	140	103	11	105
6	CKB 200035	M	SP	36	211	7.35	46.3	1.21	358	1.42	0.24	25.8	1.3	50.7	23.1	244	-81	20.2	-5	34	102	106	113	101	6	109
7	CKB 200059	M	SP	31	223	6.47	50.7	1.20	370	-0.03	-0.50	13.7	1.8	29.1	-1.8	145	-72	12.1	-16	-1	112	96	101	99	11	116
8	CKB 200027	M	SP	36	242	6.12	44.9	1.25	358	1.50	0.39	28.3	10.2	61.8	41.4	342	-93	33.9	8	55	120	126	134	111	9	118
9	CKB 200079	M	SP	34	218	6.85	43.9	1.19	360	1.25	-0.30	17.8	4.6	29.5	8.1	128	-81	17.7	8	16	107	92	109	104	11	106
10	CKB 200022	M	SP	32	226	5.77	47.8	1.24	405	0.09	0.18	15.5	6.2	32.0	12.6	197	-65	36.4	15	44	113	100	138	107	8	87
11	CKB 200063	M	SP	30	212	6.37	41.2	1.24	360	-0.27	-0.11	15.8	-5.1	34.8	-0.6	168	-62	18.2	-16	19	96	105	110	91	3	103
12	CKB 200040	M	SP	33	244	7.24	55.1	1.28	333	0.21	0.28	19.5	-0.8	39.8	7.0	216	-84	10.8	-13	24	111	106	99	111	2	73
15	CKB 200131	M	SP	35	190	7.11	38.8	1.22	328	0.79	-0.09	16.3	-0.9	39.2	10.0	163	-44	8.9	-10	13	99	119	96	93	7	119
16	CKB 200134	M	SP	28	213	5.08	36.7	1.22	335	-1.22	-0.73	13.1	1.5	26.3	-16.4	112	-62	9.6	-8	10	97	100	97	109	2	74
17	CKB 200006	M	SP	34	167	6.26	-	-	-	1.23	0.40	16.7	2.3	33.3	15.5	143	-54	23	2	25	98	-	118	101	9	108

EXPLANATION OF CATALOGUE ABBREVIATIONS

Lot Number	LOT
Estimated breeding value	EBV
Parentage verification	Parentage
Age in years / Number of calvings	AGE. / CALV.
Average Wean index / Number of calves weaned	Ave WI / CALV.
Animal identification number	ID
Herd Book Section	SEC
Herd Book Section: Pending Registration	PEN
Herd Book Section: Not for Registration	NFR
Herd Book Section: Foundation Generation	FO
Herd Book Section: Appendix A	A
Herd Book Section: Appendix B	B
Herd Book Section: Studbook Proper, a registered animal	SP
Genomically Tested	GT
Homozygous Horned (Celtic test)	HH(c)
Homozygous Polled (Celtic test)	PP(c)
Heterozygous Polled (Celtic test)	Pp(c)
Phenotypically Polled	P
Intercalving Period	ICP
Birth Direct breeding value	Birth Dir.
Wean Direct breeding value	Wean Dir.
Wean Maternal breeding value	Wean Mat.
Scrotal Circumference	Scr. Circ.
Heifer Fertility	Heifer Fert.
Cow Fertility	Cow Fert.
Longevity	Longev.
Mature Weight	Mat. Wt.
Average Daily Gain (g/day)	ADG
Feed Conversion Ratio (kg:kg)	FCR
Eye Muscle Area	EMA
Backfat Thickness	Fat
Marbeling (intra-muscular fat)	Mar
365-day weight index	365D Index
540-day weight index	540D Index
Length-Height ratio	LH
Actual Birth weight	Birth Wt.
205-day Dam-age corrected weight	205d Wt.
Cow-Calf Birth Ratio	CCG
Cow-Calf Wean Ratio	CCW
Average Weaning Index	Avg. Wean Index
Number of Calves	Nr. Calves
Reproduction Index	Repr. Index
Animal sex: M - Male, F - Female	M / F

VERDUIDELIKING VAN KATALOGUS AFKORTINGS

LOT	Lot Nommer
EBV	Beraamde teelwaarde
Ouerskap	Ouerskap verifikasie
OUD. / KALF.	Ouderdom in jaar / Aantal kalwings
GEM SI / KALF.	Gemiddelde speen indeks / Aantal kalwers gespeen
ID	Dier se identifikasie nommer
AFD	Kuddeboek Afdeling
PEN	Kuddeboek Afdeling: Wag vir Registrasie
NFR	Kuddeboek Afdeling: Nie vir Registrasie
FO	Kuddeboek Afdeling: Fondasie Generasie
A	Kuddeboek Afdeling: Aanhangsel A
B	Kuddeboek Afdeling: Aanhangsel B
SP	Kuddeboek Afdeling: Studbook Proper, 'n geregistreerde dier
GT	Genomies Getoets
HH(c)	Homosigoties horings (Celtic toets)
PP(c)	Homosigotiets Poena (Celtic toets)
Pp(c)	Heterosigoties Poena (Celtic toets)
P	Fenotipies Poena
TKP	Tussen-Kalf Periode
Geb. Dir	Geboorte Direk teelwaarde
Spn. Dir.	Speen Direk teelwaarde
SPn. Mat.	Speen Maternaal teelwaarde
Skr. Omt.	Skrotum omtrek
Vers Vrugb.	Vers Vrugbaarheid
Koei Vrugb.	Koei Vrugbaarheid
Lankl.	Lanklewendheid
Volw. Gewig	Volwasse gewig
GDT	Gemiddelde Daaglikse Toename
VOV	Voeromset Verhouding
OSO	Oogspier grootte
Vet	Rugvet Diepte
Mar	Marmering (binne-spierse vet)
365D Indeks	365-dae gewig indeks
540D Indeks	540-dae gewig indeks
LH	Lengte-Hoogte Verhouding
Geb. gewig	Werklike Geboorte gewig
205d gewig	205-dag Moeder-ouderdom gekorrigeerde gewig
KKG	Koei-Kalf Geboorte Verhouding
KKS	Koei-Kalf Speen Verhouding
Gem. Spn. Indeks	Gemiddelde speen indeks
Aant. Kalw.	Aantal kalwers
Repr. Indeks	Reproduksie indeks
M / V	Dier geslag: M - Manlik, V - Vroulik