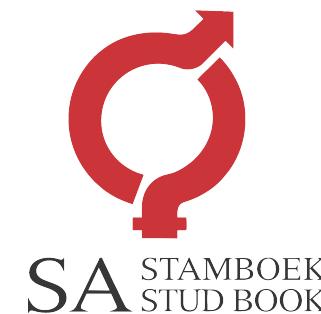


AMPTELIKE VEILINGSKATALOGUS VIR / OFFICIAL AUCTION CATALOGUE FOR

JANRETHA BONSMARAS

Veilingsdatum / Auction Date:
28 June 2023

Data soos op / Data as on:
15 June 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 procedures 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.

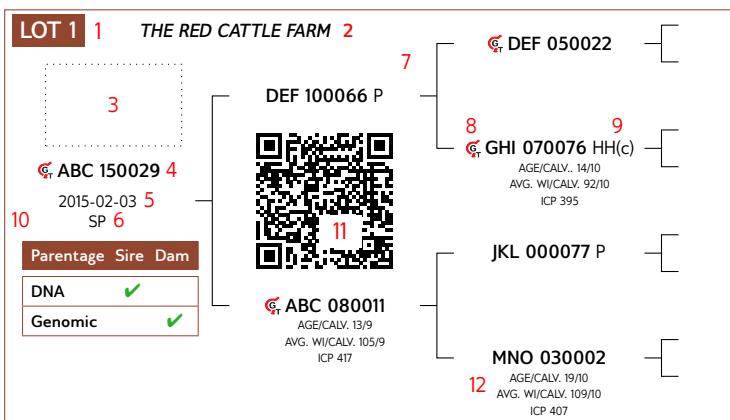
Diere wat op hierdie veilings aangebied word, is onderwerp aan 'n proses van visuele inspeksie deur Keurders van Bonsmara SA en voldoen aan die Bonsmara Minimum Rasstandarde soos bepaal deur die Genootskap.

Die Genootskap het egter GEEN beheer oor:

- Immunisering en gesondheidstatus van diere
- Dragtigheidstatus van koeie en verse
- Teelgesiktheid 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



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 / FO / 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

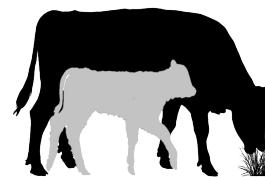
LOGIX SELECTION VALUES

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

5 L \varnothing GIX Cow Value

Selection of:

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

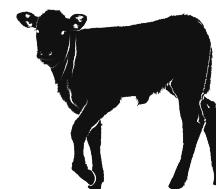


- | | |
|----------------------|--|
| 1 Calving Ease Value | EBVs Birth Direct & Maternal |
| Calf Growth Value | EBV Wean Direct |
| 3 Fertility Value | EBVs Cow & Heifer Fertility, EBV Longevity |
| Milk Value | EBV Wean Maternal |
| 4 Maintenance Value | EBVs Mature weight & Milk |

2 L \varnothing GIX Weaner Calf Value

Selection of:

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



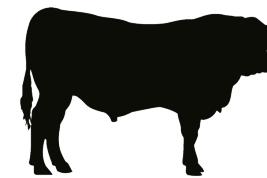
7 L \varnothing GIX Carcass Value

Selection for higher meat yield on carcass

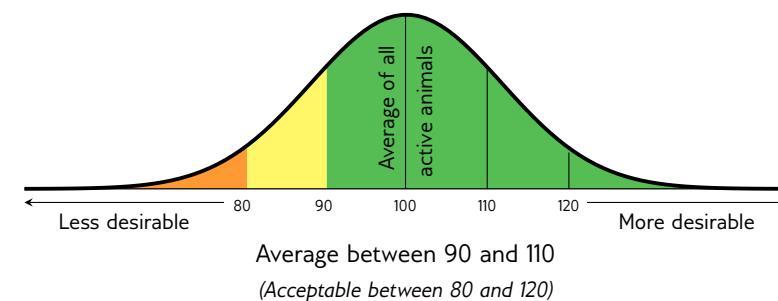


6 L \varnothing GIX Growth Value

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	MilkV	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
Fertility	12	Heifer Fertility	HF	Age at first calving										Fertile heifers			Less				More
	13	Cow Fertility	C.F.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
	19	Height	H	Final weight in the growth test										Heavy carcass			Light		*		Heavy
	20	Length	L	Shoulder / Hip height in growth test										Average height			Short				Tall
Carcass	24	Length-Height Ratio	LH	Length in growth test										Longer for more muscle			Short				Long
	21	Eye Muscle Area	EMA	EBV Length / EBV Height										Longer rather than tall			<1				>1
	22	Fat Thickness	Fat	EBV measured eye muscle area										Bigger steaks			Small				Big
	23	Marbling	Mar	RTU measured P8 backfat thickness										Carcass quality			Thin				Thick
		Dressing Percentage	D%	RTU measured % of intra-muscular fat										Juicy meat			Low				High
				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
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 descriptions on the previous page. These genetic building blocks are indicated in the catalogue by their Breeding Value Indices.

28 June 2023

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

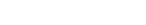


Bonsmara SA Cattle Breeders' Society

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All Pedigree- and Performance Data has been certified as correct



BULLS

LOT 1	JAN BOSHOFF BOERDERY EDMS BPK			 PAD 090196 Pp(c)	EI 040038 SLH 950067 AGE/CALV. 22/13 AVG. WI/CALV. 103/12	Calving Ease Value 102	Weaner Calf Value 108	Fertility Value 89	Maintenance Value 94	Cow Value 100	Growth Value 108	Carcass Value 110									
	 HDT 130007 PP(c)			 HDT 070057 P AGE/CALV. 6/3 AVG. WI/CALV. 103/2 ICP 455	HDT 030078 P HDT 040240 AGE/CALV. 12/7 AVG. WI/CALV. 102/7	Calf and Mother	Fertility	Post-Wean Growth	Frame	Carcass											
	 JHL 200066 PP(c) 2020-09-14 SP			 JJ 040121 JJ 120153 AGE/CALV. 8/6 AVG. WI/CALV. 105/5 ICP 357	MMJ 000319 OB 000314 AGE/CALV. 10/6 AVG. WI/CALV. 100/6	Birth Dir. 102	Wean Dir. 105	Wean Mat. 109	Scr. Circ. 119	Heifer Fert. 90	Cow Fert. 96	Longev. 96	Post Wean 101	ADG 93	FCR 84	Mature Weight 104	Height 92	Length 108	EMA 92	Fat 107	Mar 87
	 JHL 070149 AGE/CALV. 7/4 AVG. WI/CALV. 91/4 ICP 368			 DNT 000046 JHL 000118 AGE/CALV. 14/8 AVG. WI/CALV. 108/8		Wean Index 108	365D Index -	540D Index -	ADG Index 123	FCR Index -	Scrotum 367	LH 1.28						Myostatin			
																	Q204X 0	NT821 0	F94L 0		

REMARKS: Poena (skurs)

LOGIX EBV Analysis: 2023-05-19

REMARKS: Poena (skurs)

LOGIX ANALYTIC SYSTEMS EBV Analysis: 2023-05-19

REMARKS: Hou 3 semen aandele uit

BULLE

LOT 4	JAN BOSHOFF BOERDERY EDMS BPK	JRP 120081	LAR 070055 Geboortegemak Waarde 100	JRP 010030 OUD/KALW. 18/15 GEM. SI/KALW. 101/14 ZVJ 120070 OUD/KALW. 10/6 GEM. SI/KALW. 103/4 TKP 404 ZVJ 090005 ZVJ 100011 OUD/KALW. 13/11 GEM. SI/KALW. 102/11 LAR 040245 LAR 990350 LAR 980308 OUD/KALW. 6/4 GEM. SI/KALW. 109/3 HDT 080025 Pp(c) OUD/KALW. 14/11 GEM. SI/KALW. 101/8 TKP 441 IVY 960379 P OUD/KALW. 8/4 GEM. SI/KALW. 104/4 TKP 508 HDT 960207 OUD/KALW. 6/3 GEM. SI/KALW. 99/2	Speenkalf Waarde 105	Vrugbaarheids- waarde 98	Onderhouds- waarde 87	Koeiwaarde 99	Groei- waarde 102	Karkas- waarde 107								
BULLE																		
JHL 200028 Pp(c) 2020-05-23 SP		NFS 160255 HH(c) 		ZVJ 120070 OUD/KALW. 10/6 GEM. SI/KALW. 103/4 TKP 404		ZVJ 090005		Kalf en Moeder		Vrugbaarheid								
Ouerskap Vaar Moer		HDT 080025 Pp(c) OUD/KALW. 14/11 GEM. SI/KALW. 101/8 TKP 441		LAR 040245		LAR 990350		Na-Speen Groei		Raam								
DNS ✓ ✓		Genomes ✓ ✓		LAR 980308 OUD/KALW. 6/4 GEM. SI/KALW. 109/3		IVY 960379 P		Na-Speen Groei		Karkas								
OPMERKINGS: Poena (skurs).																		
LOGIX EBV Analise: 2023-05-19																		

LOT 5	JAN BOSHOFF BOERDERY EDMS BPK	PER 130086 HH(c) 	PHR 100348 Geboortegemak Waarde 93	PHR 060150 Geboortegemak Waarde 93	PHR 060301 OUD/KALW. 9/3 GEM. SI/KALW. 105/3 PER 060117 PER 040080 OUD/KALW. 12/10 GEM. SI/KALW. 96/10 HDT 080015 HDT 120020 Pp(c) JHL 170115 OUD/KALW. 5/3 GEM. SI/KALW. 106/3 TKP 383 JHL 110054 OUD/KALW. 11/9 GEM. SI/KALW. 100/8 TKP 375	Speenkalf Waarde 110	Vrugbaarheids- waarde 93	Onderhouds- waarde 93	Koeiwaarde 101	Groei- waarde 116	Karkas- waarde 120											
BULLE																						
JHL 200017 HH(c) 2020-05-18 SP		PER 130086 HH(c) 		PER 100046 OUD/KALW. 12/9 GEM. SI/KALW. 99/9 TKP 378		PER 060117		Kalf en Moeder		Vrugbaarheid	Na-Speen Groei											
Ouerskap Vaar Moer		DNS ✓ ✓		HDT 080015		HDT 080079 P OUD/KALW. 14/11 GEM. SI/KALW. 97/10		Na-Speen Groei		Raam	Karkas											
Genomes ✓										Miostatien												
OPMERKINGS: Hou 3 semen aandele uit.																						
LOGIX EBV Analise: 2023-05-19																						

LOT 6	JAN BOSHOFF BOERDERY EDMS BPK	BRB 130145 	EZ 100117 Geboortegemak Waarde 95	WAT 050342 Geboortegemak Waarde 95	EI 010427 OUD/KALW. 12/9 GEM. SI/KALW. 97/9 JDB 990028 BHE 030146 OUD/KALW. 11/7 GEM. SI/KALW. 112/7 TKP 435 POL 060063 LAR 010234 POL 000004 OUD/KALW. 11/9 GEM. SI/KALW. 101/7 HDT 070091 HDT 000045 OUD/KALW. 8/4 GEM. SI/KALW. 96/3 TKP 382	Speenkalf Waarde 104	Vrugbaarheids- waarde 96	Onderhouds- waarde 94	Koeiwaarde 98	Groei- waarde 104	Karkas- waarde 108											
BULLE																						
JHL 200032 HH(c) 2020-05-24 SP		BRB 130145 		BHE 950143 OUD/KALW. 13/9 GEM. SI/KALW. 102/8 LAR 010234 POL 000004 OUD/KALW. 11/9 GEM. SI/KALW. 101/7 HDT 070091 HDT 000045 OUD/KALW. 8/4 GEM. SI/KALW. 102/10		Kalf en Moeder		Vrugbaarheid		Na-Speen Groei		Raam										
Ouerskap Vaar Moer		DNS ✓ ✓		Na-Speen Groei		Raam		Karkas		Miostatien												
Genomes										Q204X 0												
OPMERKINGS:																						
LOGIX EBV Analise: 2023-05-19																						

BULLS

REMARKS:

LOGIX EBV Analysis: 2023-05-19

LOT 8	JAN BOSHOFF BOERDERY EDMS	El 040038	Calving Ease Value	Weaner Calf Value	Fertility Value	Maintenance Value	Cow Value	Growth Value	Carcass Value							
	BPK	PAD 090196 Pp(c)	99	109	87	84	97	112	116							
		SLH 950067 AGE/CALV. 22/13 AVG. WI/CALV. 103/12														
		HDT 070057 P AGE/CALV. 6/3 AVG. WI/CALV. 103/2 ICP 455														
		HDT 030078 P														
		HDT 040240 AGE/CALV. 12/7 AVG. WI/CALV. 102/7														
		MMJ 000319														
		OB 000314 AGE/CALV. 10/6 AVG. WI/CALV. 100/6														
		JJ 040121														
		JHL 990040														
		JHL 990060 AGE/CALV. 10/6 AVG. WI/CALV. 101/6 ICP 350														
		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	114	100	121	87	98	93	107	102	95	118	108	112	96	118	90
	Wean Index	365D Index	540D Index	ADG Index	FCR Index	Scrotum	LH							Myostatin		
	111	-	-	110	-	366	1.22							Q204X	0	
														NT821	0	
														F94L	0	

REMARKS: Poena. Hou 3 semen aandele uit

EBV Analysis: 2023-05-19

REMARKS:

LOGIX | LOGICAL SYSTEMS EBV Analysis: 2023-05-19

BULLE

LOT 10		BOSHOFF BONSMARAS				Geboortegemak Waarde										Speenkalf Waarde		Vrugbaarheidswaarde		Onderhouds-waarde		Koeiwaarde		Groei-waarde		Karkas-waarde		
						WAT 000200										98		141		106		72		130		142		149
						WAT 000299	OUD/KALW. 16/9	GEM. SI/KALW. 103/6																				
						EI 920079																						
						B 920095	OUD/KALW. 10/7	GEM. SI/KALW. 105/6																				

BULLS

LOT 13	JAN BOSHOFF BOERDERY EDM'S BPK	LAR 080290	LAR 050156 Calving Ease Value 94	LAR 040057 Weaner Calf Value 95	Fertility Value 92	Maintenance Value 75	Cow Value 84	Growth Value 111	Carcass Value 110																																																
REMARKS:																																																									
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Calf and Mother				Fertility			Post-Wean Growth			Frame			Carcass																																												
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F94L	0																																																								

LOT 15	BOSHOFF BONSMARAS	PAD 100014	CSW 010014 Calving Ease Value 103	CEF 980117 Weaner Calf Value 112	Fertility Value 86	Maintenance Value 90	Cow Value 99	Growth Value 115	Carcass Value 114																																																
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Calf and Mother				Fertility			Post-Wean Growth			Frame			Carcass																																												
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LOT 18	JAN BOSHOFF BOERDERY EDM'S BPK	JRP 120081	LAR 070055 Calving Ease Value 79	JRP 010030 Weaner Calf Value 130	Fertility Value 102	Maintenance Value 71	Cow Value 111	Growth Value 118	Carcass Value 129																																																
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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																																										
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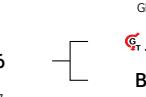


Bonsmara SA Cattle Breeders' Society

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All Pedigree- and Performance Data has been certified as correct



BULLE

LOT 20	BOSHOFF BONSMARAS																			
	BRB 130145		EZ 100117		WAT 050342	Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids- waarde	Onderhouds- waarde	Koeiwaarde	Groei- waarde	Karkas- waarde								
						Kalf en Moeder	Vrugbaarheid	Na-Speen Groei	Raam	Karkas										
CHC 200012 HH(c) 2020-05-24 SP	CHC 140078 OUD/KALW. 8/6 GEM. SI/KALW. 103/5 TKP 437	CHC 110334 OUD/KALW. 5/4 GEM. SI/KALW. 100/3 TKP 413	EI 010427 OUD/KALW. 12/9 GEM. SI/KALW. 97/9	JDB 990028	Geb. Dir. 85	Spn. Dir. 131	Spn. Mat. 110	Skr. Omtr. 140	Vers Vrugb. 85	Koei Vrugb. 112	Lankl. 107	Na-Speen 132	GDT 143	VOV 129	Volw. Gewig 124	Hoogte 112	Lengte 123	OSO 127	Vet 106	Mar 114
Querskap Vaar Moer	DNS ✓ ✓	Genomies	CHC 200012 HH(c) OUD/KALW. 11/7 GEM. SI/KALW. 112/7 TKP 435	JJ 040121	Spn. Indeks 127	365D Indeks -	540D Indeks -	GDT Indeks 118	VOV Indeks -	Skrotum 374	LH 1.24						Miostatien			
																	Q204X 0			
																	NT821 0			
																	F94L 0			

OPMERKINGS:

LOGIX EBV Analise: 2023-05-19

OPMERKINGS:

LOGIX EBY Analise: 2023-05-19

OPMERKINGS:

BULLS

LOT 23		BOSHOFF BONSMARAS				EBV Analysis: 2023-05-19											
CHC 200064	2020-10-20 B	HDT 130045 HH(c)		LAR 080290	LAR 050156 AGE/CALV. 13/10 AVG. WI/CALV. 96/9	Calving Ease Value 102	Weaner Calf Value 101	Fertility Value 96	Maintenance Value 88	Cow Value 95	Growth Value 103	Carcass Value 109					
CHC 070026	AGE/CALV. 15/9 AVG. WI/CALV. 99/9 ICP 373	HDT 080082 AGE/CALV. 14/12 AVG. WI/CALV. 99/12 ICP 376		RAI 050008 HDT 970028 AGE/CALV. 15/11 AVG. WI/CALV. 105/11	Calf and Mother	Fertility	Post-Wean Growth	Frame	Carcass								
Parentage Sire Dam	DNA ✓ ✓ Genomic ✓ ✓	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	111	83	102	92	103	101	108	106	101	114	122	121	112	86	89
		Wean Index 100	365D Index	540D Index	ADG Index 97	FCR Index	Scrotum 319	LH 1.21							Myostatin		
														Q204X	0		
														NT821	0		
														F94L	0		
REMARKS:																LOGIX	

LOT 24		JAN BOSHOFF BOERDERY EDMS BPK				EBV Analysis: 2023-05-19												
JHL 200033 HH(c)	2020-05-28 SP	NFS 160255 HH(c)		JRP 120081	LAR 070055 JRP 010030 AGE/CALV. 18/15 AVG. WI/CALV. 101/14	Calving Ease Value 95	Weaner Calf Value 124	Fertility Value 98	Maintenance Value 76	Cow Value 111	Growth Value 112	Carcass Value 117						
Parentage Sire Dam	DNA ✓ Genomic ✓ ✓	ZVJ 120070 AGE/CALV. 10/6 AVG. WI/CALV. 103/4 ICP 404		ZVJ 090005 ZVJ 100011 AGE/CALV. 13/11 AVG. WI/CALV. 102/11	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	
		91	126	103	103	91	107	102	117	105	103	129	108	113	122	85	83	
		Wean Index 101	365D Index	540D Index	ADG Index 97	FCR Index	Scrotum 328	LH 1.22							Myostatin			
														Q204X	0			
														NT821	0			
														F94L	0			
REMARKS:																LOGIX	EBV Analysis: 2023-05-19	

LOT 25		JAN BOSHOFF BOERDERY EDMS BPK				EBV Analysis: 2023-05-19												
JHL 200088 HH(c)	2020-10-01 SP	HDT 130045 HH(c)		LAR 080290	LAR 050156 LAR 040057 AGE/CALV. 13/10 AVG. WI/CALV. 96/9	Calving Ease Value 78	Weaner Calf Value 117	Fertility Value 97	Maintenance Value 77	Cow Value 100	Growth Value 130	Carcass Value 136						
Parentage Sire Dam	DNA ✓ ✓ Genomic ✓	HDT 080082 AGE/CALV. 14/12 AVG. WI/CALV. 99/12 ICP 376		RAI 050008 HDT 970028 AGE/CALV. 15/11 AVG. WI/CALV. 105/11	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	
		69	135	83	149	92	105	101	136	128	107	129	129	140	130	100	96	
		Wean Index 107	365D Index	540D Index	ADG Index 102	FCR Index	Scrotum 393	LH 1.31							Myostatin			
														Q204X	0			
														NT821	0			
														F94L	0			
REMARKS:																LOGIX	EBV Analysis: 2023-05-19	

BULLE

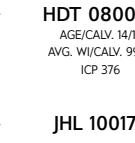
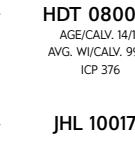
LOT 26	JAN BOSHOFF BOERDERY EDMS BPK	PER 130086 HH(c)	PHR 100348	PHR 060150 Geboortegemak Waarde 92	Speenkalf Waarde 111	Vrugbaarheids- waarde 79	Onderhouds- waarde 96	Koeiwaarde 93	Groei- waarde 113	Karkas- waarde 114
JHL 200004 HH(c) 2020-05-03 SP										
Ouerskap Vaar Moer DNS ✓ ✓ Genomes ✓										
JHL 170100 OUD/KALW. 5/3 GEM. SI/KALW. 96/3 TKP 445										
HDT 130045 HH(c)										
PER 100046 OUD/KALW. 12/9 GEM. SI/KALW. 99/9 TKP 378										
PER 060117										
PER 040080 OUD/KALW. 12/10 GEM. SI/KALW. 96/10										
LAR 080290										
HDT 080082 OUD/KALW. 14/12 GEM. SI/KALW. 99/12										
JHL 030156 OUD/KALW. 18/12 GEM. SI/KALW. 100/12 TKP 474										
JH 960234										
JHL 980319 OUD/KALW. 15/9 GEM. SI/KALW. 102/9										
OPMERKINGS:										
LOGIX EBV Analise: 2023-05-19										

LOT 27	JAN BOSHOFF BOERDERY EDMS BPK	NFS 160255 HH(c)	JRP 120081	Geboortegemak Waarde 93	Speenkalf Waarde 106	Vrugbaarheids- waarde 100	Onderhouds- waarde 78	Koeiwaarde 100	Groei- waarde 106	Karkas- waarde 116
JHL 200031 HH(c) 2020-05-24 SP										
Ouerskap Vaar Moer DNS ✓ ✓ Genomes ✓										
ZVJ 120070 OUD/KALW. 10/6 GEM. SI/KALW. 103/4 TKP 404										
ZVJ 090005										
ZVJ 100011 OUD/KALW. 13/11 GEM. SI/KALW. 102/11										
JHL 030060 HH(c)										
JHL 990040										
JHL 990063 OUD/KALW. 6/2 GEM. SI/KALW. 117/1										
RCO 980043										
JHL 030223 OUD/KALW. 10/5 GEM. SI/KALW. 98/5 TKP 421										
RCO 990153 OUD/KALW. 11/8 GEM. SI/KALW. 106/6										
OPMERKINGS:										
LOGIX EBV Analise: 2023-05-19										

LOT 29	JAN BOSHOFF BOERDERY EDMS BPK	HDT 130007 PP(c)	PAD 090196 Pp(c)	Geboortegemak Waarde 95	Speenkalf Waarde 106	Vrugbaarheids- waarde 81	Onderhouds- waarde 94	Koeiwaarde 90	Groei- waarde 102	Karkas- waarde 116
JHL 200083 Pp(c) 2020-09-24 SP										
Ouerskap Vaar Moer DNS ✓ ✓ Genomes ✓										
JHL 110069 OUD/KALW. 11/8 GEM. SI/KALW. 93/8 TKP 420										
HDT 070057 P OUD/KALW. 6/3 GEM. SI/KALW. 103/2 TKP 455										
HDT 040240 OUD/KALW. 12/7 GEM. SI/KALW. 102/7										
MMJ 000319										
OB 000314 OUD/KALW. 10/6 GEM. SI/KALW. 100/6										
JJ 040121										
JHL 030217 OUD/KALW. 10/6 GEM. SI/KALW. 100/5 TKP 357										
JHL 000118 OUD/KALW. 14/8 GEM. SI/KALW. 108/8										
RCO 000141										
OPMERKINGS:										
LOGIX EBV Analise: 2023-05-19										

BULLS

LOT 32	JAN BOSHOFF BOERDERY EDMS BPK	HDT 080015	LAR 040245 HDT 040022 Pp(c) RAI 050008	Calving Ease Value 113	Weaner Calf Value 98	Fertility Value 101	Maintenance Value 101	Cow Value 101	Growth Value 108	Carcass Value 109
Parentage Sire Dam										
DNA ✓ ✓										
Genomic ✓										
										
JHL 200112 HH(c) 2020-10-29 SP										
										
JHL 110054 AGE/CALV. 11/9 AVG. WI/CALV. 100/8 ICP 375										
JHL 070162										
JHL 000182 AGE/CALV. 10/5 AVG. WI/CALV. 99/5										
JHL 040228 AGE/CALV. 9/5 AVG. WI/CALV. 104/5 ICP 432										
JHL 000040 AGE/CALV. 5/2 AVG. WI/CALV. 111/2										
REMARKS:										
LOGIX EBV Analysis: 2023-05-19										

LOT 33	JAN BOSHOFF BOERDERY EDMS BPK			LAR 050156 HDT 080082 RAI 050008	Calving Ease Value 103	Weaner Calf Value 97	Fertility Value 103	Maintenance Value 88	Cow Value 99	Growth Value 121	Carcass Value 119
Parentage Sire Dam											
DNA ✓ ✓											
Genomic ✓											
JHL 200104 HH(c) 2020-10-27 SP											
											
JHL 130051 AGE/CALV. 9/7 AVG. WI/CALV. 112/6 ICP 396											
JHL 100173											
JHL 010039 AGE/CALV. 14/8 AVG. WI/CALV. 96/8											
JHL 100098 AGE/CALV. 6/1 AVG. WI/CALV. 105/1 ICP -											
JHL 030060 HH(c)											
JHL 030127 AGE/CALV. 12/8 AVG. WI/CALV. 104/8											
REMARKS:											
LOGIX EBV Analysis: 2023-05-19											

LOT 34	JAN BOSHOFF BOERDERY EDMS BPK			PAD 090196 Pp(c) HDT 070057 P HDT 040240 JHL 110075 JHL 160001 JHL 050190 JHL 000037	EI 040038 SLH 950067 HDT 030078 P HDT 040240 JJ 040121 JHL 040047 DNT 950113 JHL 000037	Calving Ease Value 98	Weaner Calf Value 101	Fertility Value 94	Maintenance Value 87	Cow Value 95	Growth Value 100	Carcass Value 114	
Parentage Sire Dam													
DNA ✓ ✓													
Genomic ✓													
JHL 200080 Pp(c) 2020-09-21 SP													
													
JHL 160001 AGE/CALV. 7/5 AVG. WI/CALV. 100/5 ICP 362													
JHL 050190 AGE/CALV. 13/9 AVG. WI/CALV. 95/7 ICP 464													
JHL 000037 AGE/CALV. 8/6 AVG. WI/CALV. 94/6													
REMARKS: Poena (skurs).													
LOGIX EBV Analysis: 2023-05-19													

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
		Breed Average																								
		Auction Average		37	266	7.81	53.0	1.24	357	1.09	-0.22	14.3	3.9	23	10	106	-49	11.7							7.0	106
1	JHL 200066	M	SP	36	262	-	60.3	1.28	367	0.93	-0.23	16.5	6.4	28.1	14.7	69	-18	24.2	-5	26	108	123	119	105	6	108
2	JHL 200076	M	SP	36	228	-	45.2	1.20	337	1.31	-0.35	16.9	4.5	33.4	15.4	176	-68	21.3	8	30	92	101	115	93	6	109
3	JHL 200047	M	SP	35	254	-	58.3	1.24	338	-0.07	-0.67	9.7	4.4	19.2	-6.2	70	-14	11.9	-12	8	97	95	100	96	3	106
4	JHL 200028	M	SP	37	279	-	49.9	1.23	360	1.18	-0.31	21.9	-1.7	31.2	26.3	91	-41	18.1	0	26	107	97	110	101	11	102
5	JHL 200017	M	SP	36	265	-	58.8	1.25	335	1.87	-0.19	18.9	5.9	36.9	15.4	180	-52	11.6	-16	17	101	107	100	106	3	109
6	JHL 200032	M	SP	37	269	-	56	1.24	380	1.67	-0.20	18.8	2.3	32.4	15.6	157	-65	32.4	-4	20	103	93	132	101	8	103
7	JHL 200006	M	SP	33	257	-	65.3	1.22	364	0.83	0.21	11.2	10.0	30.0	3.5	222	-69	21.4	-6	18	99	106	115	106	3	107
8	JHL 200069	M	SP	37	270	-	45.3	1.22	366	1.17	-0.16	20.4	3.9	32.1	29.1	113	-39	25	8	31	111	110	121	107	10	109
9	JHL 200029	M	SP	36	252	-	47.1	1.24	393	1.11	0.29	18.1	1.9	33.0	15.4	196	-69	34	2	21	96	111	135	95	5	99
10	CHC 200049	M	B	36	269	-	53.3	1.29	342	1.51	-0.47	29.0	10.8	57.8	46.0	336	-96	25.6	21	70	110	111	122	112	10	116
11	JHL 200035	M	SP	37	284	-	56	1.21	359	3.23	0.11	28.5	2.6	52.5	33.3	289	-99	33.9	21	47	109	121	135	98	4	111
12	JHL 200016	M	SP	36	263	-	55.9	1.23	314	2.34	-0.15	19.9	5.3	39.8	16.7	207	-57	11.1	6	36	101	105	99	98	3	100
13	JHL 200096	M	SP	37	248	-	39.4	1.20	354	1.89	-0.41	20.1	-1.9	32.0	45.2	90	-30	19.9	5	22	101	109	113	102	6	103
15	CHC 200011	M	SP	36	260	-	56.2	1.23	388	1.02	-0.55	20.3	3.2	35.8	20.8	183	-72	28.5	3	32	104	106	126	108	5	112
18	JHL 200034	M	SP	38	327	-	65.3	1.20	346	4.04	-0.65	32.5	2.6	49.0	51.3	187	-81	24.6	20	43	128	110	120	104	10	106
20	CHC 200012	M	SP	37	311	-	60	1.24	374	2.71	-0.28	28.4	6.7	51.8	36.0	316	-105	37.1	11	46	127	118	140	103	6	102
21	JHL 200077	M	SP	38	282	-	60.9	1.25	371	2.36	-0.56	30.0	6.6	56.2	50.6	292	-85	35.6	36	71	117	106	137	104	11	109
22	EHE 200524	M	B	41	258	7.81	53.2	1.20	362	4.36	-1.23	31.6	-2.5	56.3	47.7	234	-77	35.6	32	66	104	127	137	98	8	117
23	CHC 200064	M	B	37	250	-	45.2	1.21	319	0.82	-0.20	19.4	-1.1	32.3	25.1	134	-50	12.7	19	43	100	97	102	99	9	114
24	JHL 200033	M	SP	37	265	-	42.9	1.22	328	2.07	-0.96	26.2	4.8	40.2	41.6	131	-55	13.7	8	33	101	97	103	105	11	105
25	JHL 200088	M	SP	45	268	-	56.1	1.31	393	4.45	-0.47	29.9	-0.8	54.6	41.3	243	-62	43.5	26	68	107	102	149	98	4	100
26	JHL 200004	M	SP	36	262	-	60.3	1.23	360	2.07	-0.38	19.5	5.1	35.4	11.8	167	-45	25.5	14	40	100	91	122	96	3	101
27	JHL 200031	M	SP	37	268	-	46.6	1.25	348	1.87	-0.22	20.4	4.5	38.1	37.7	152	-68	18.7	6	34	102	97	111	104	9	100
29	JHL 200083	M	SP	38	278	-	54.4	1.24	378	1.48	0.02	20.3	1.2	33.0	15.4	148	-54	28	0	29	115	97	125	93	8	100
32	JHL 200112	M	SP	37	249	-	41.3	1.21	365	-0.17	-0.43	13.6	1.2	27.6	7.1	140	-44	16.3	11	31	101	95	107	100	9	110

Dier Info				Werklike Syfers								Verwagte Teelwaardes								Indekse			Moeder					
LOT	Dier ID	Geslag	AFD	Geb. Gewig (kg)	205d Gewig (kg)	KKG Verh.	KKS Verh.	Lengte Hoogte (mm)	Skr. Omtr.	Geb Dir (kg)	Geb Mat (kg)	Spn Dir (kg)	Spn Mat (kg)	Na-Spn (kg)	Volw. Gewig (kg)	GDT (g/d)	VOV (kg:kg)	Skr. Omtr. (mm)	Hoogte (mm)	Lengte (mm)	Spn. GDT	Skr. Omtr.	Gem. Spn. Indeks	Aant. Kalw.	Repr. Indeks			
Ras Gemiddeld				Aanbod Gemiddeld		37	266	7.81	53.0	1.24	357	1.09 1.77	-0.22 -0.30	14.3 21.3	3.9 3.5	23 38	10 26	106 179	-49 -60	11.7 24.2	9	37	105	105	120	102	7.0	106
33	JHL 200104	M	SP	36	247	-	48.6	1.27	368	0.60	0.07	14.0	4.7	29.7	22.2	162	-38	30.7	6	36	101	116	130	112	7	105		
34	JHL 200080	M	SP	35	255	-	49.9	1.24	334	1.07	0.21	18.2	2.7	28.4	25.4	154	-57	13.3	12	42	105	96	103	100	5	112		

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.	OUD. / 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	Fenotipies 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 Daagliks Toename
Feed Conversion Ratio (kg:kg)	FCR	VOV	Voeromset Verhouding
Eye Muscle Area	EMA	OSO	Oogspier grootte
Backfat Thickness	Fat	Vet	Rugvet Diepte
Marbling (intra-muscular fat)	Mar	Mar	Marmering (binne-spieperse 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