

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MR D.I. SHABALALA

A94 VEZUBUHLE
KARBOCHEM
NEW CASTLE
2940



Kennel Number: 711249



Estimated Breeding Values (EBVs)

Litter size and conformation traits are influenced by many genes, with every gene making a small contribution to the expression of the trait. These traits are, however, also influenced by physiological and physical environmental factors, for example the age and sex of the animal, the feeding and management the animal received and year x season effects. It is therefore not possible to know what the animal's genetic potential for the trait is by merely using the measurement.

With BLUP (*Best Linear Unbiased Prediction*) methodology an animal's genetic potential is predicted by making use of the genetic parameters (heritabilities and genetic correlations) of the breed, pedigree information, as well as the measurements of the animal as deviation from the average of the animals that were measured with the animal. Adjustments are made for differences in sex, age, classifier, management and year x season effects to ensure that fair comparisons are made amongst the animals. These predictions are called **EBVs (Estimated Breeding Values)** which indicates the animal's genetic potential for the specific trait and predicts the type of progeny that the animal will breed.

Pedigree information determines the genetic level at which the animal enters the genetic evaluation, it links the information of all relatives together and it is used to determine the genetic ranking of the breed. For young animals that were not yet measured, mid-parent EBVs are estimated, which are the average of the EBVs of the sire and dam. These breeding values are still inaccurate and can change a lot when more information (measurements) is included in subsequent genetic evaluations.

Breeding values therefore enables a breeder to compare his/her animals genetically to one another, as well as to all other animals of the breed. This Report gives a summary of the genetic levels of the active males and females of the relevant breeder in comparison to that of the breed for linearly classified traits and litter size. The genetic change that occurred over time can also easily be seen.

Breeding Value Indices (EBVi)

For easy interpretation, EBVs are standardised and expressed relative to the average (100) of the active animals of the breed, using 12 as standard deviation (SD). This means that an EBV of 100 is equal to the active average of the breed, and more or less 50% of the animals will have EBVi's of between 90 and 110, which indicates an average animal. Only 0.5% of the EBVi's will be lower than 64 and 0.5% will be higher than 136. Higher EBVi's indicate better genetic potential for the trait.

Accuracy

EBVs are published with an **accuracy value (%)**, which indicates how much info was available for the estimation of the EBV and with how much trust it can therefore be applied. Factors that influence the accuracy include heritability, completeness and correctness of pedigree information, number of own and measured relatives and the size of the group in which the animal was measured. When an accuracy of 85% and more is reached, the EBV should not change significantly with the inclusion of more information in subsequent genetic evaluations.

Kennel and Breed Averages: The different traits' averages of the breeder's active animals are compared to those of the breed in the Kennel and Breed Average Graphs and Tables. The breeder can therefore easily see for which traits the animals are above or below the average of the breed.

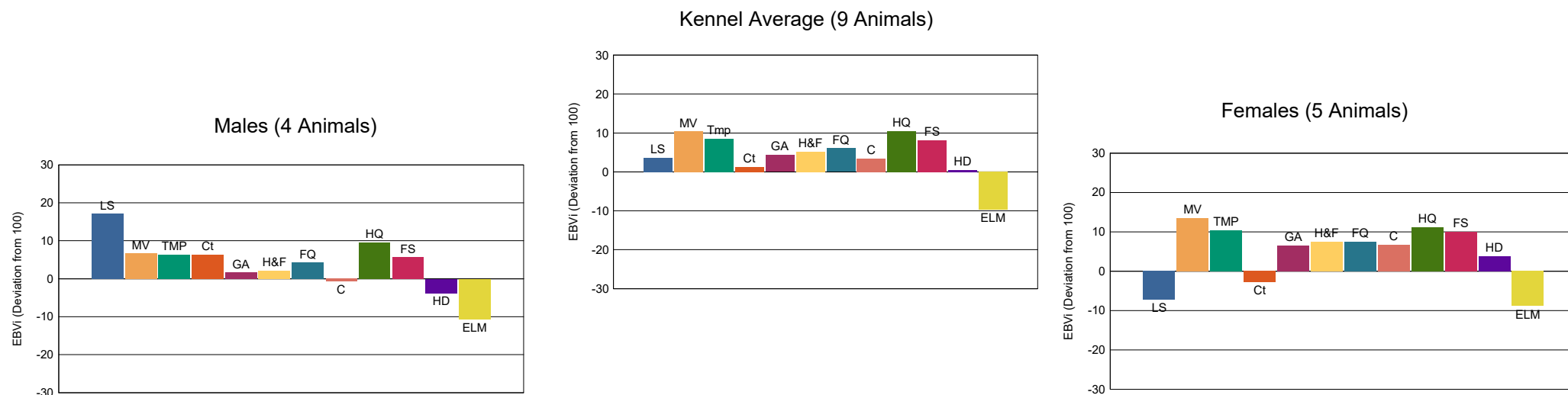
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

Inbreeding: Inbreeding is the mating of related animals and is widely viewed as being harmful. The danger of inbreeding lies there in that it can gradually decrease fertility and survivability – a phenomenon known as inbreeding depression. It can cause lower conception rates, more abortions, more stillborn and weak offspring and a higher susceptibility to diseases. Indications in dogs include a low litter size as well as problems relative to fertility, such as invisible heat, behavioural problems when mating and low sperm quality. Overall, reduced litter size most likely reflects inbreeding depression in several traits, both physiological and behavioural, as well as a high frequency of non-viable embryos due to lethal alleles. Generally, the effects of inbreeding can become noticeable at a value of 6.25%, therefore it is generally recommended that individuals should have inbreeding coefficients of less than 6.25%. Breeders should therefore avoid matings causing inbreeding of more than 6.25% in the progeny. The theoretical maximum inbreeding coefficient is 50%. However, it should be noted that not all inbred animals show signs of inbreeding depression.

The data used in this evaluation was obtained from LOGIX from linear classifications that were done by the Breeder Society. All possible attempts have been made to present the information correctly. SA Stud Book does not accept responsibility for the use and interpretation of the information presented on animals in this publication.

Genetic Levels

Kennel Average relative to Breed Average, where Breed Average is indicated as 0



Average Breeding Value Indices (EBVi) where Breed Average = 100

Trait	All Animals	Males	Females
Litter size (LS)	104	117	93
Movement (Mv)	110	107	113
Temperament (Tmp)	109	106	110
Coat (Ct)	101	106	97
General Appearance	104	102	107
Head & Face (H&F)	105	102	108
Front Quarter (FQ)	106	104	107
Centre (C)	103	99	107
Hind Quarter (HQ)	110	110	111
Final Score (FS)	108	106	110
Hip Health (HH)	100	96	104
Elbow Health (ELM)	90	89	91

Inbreeding

Notes

Inbreeding primarily leads to decreased fertility, low survivability of pups and low disease resistance.

Inbreeding coefficients are calculated for all animals of the breed and indicates the probability that two genes of a pair are the same due to a common ancestor in the pedigree of the animal.

The adverse effects of inbreeding can be observed from 6.25% onwards.

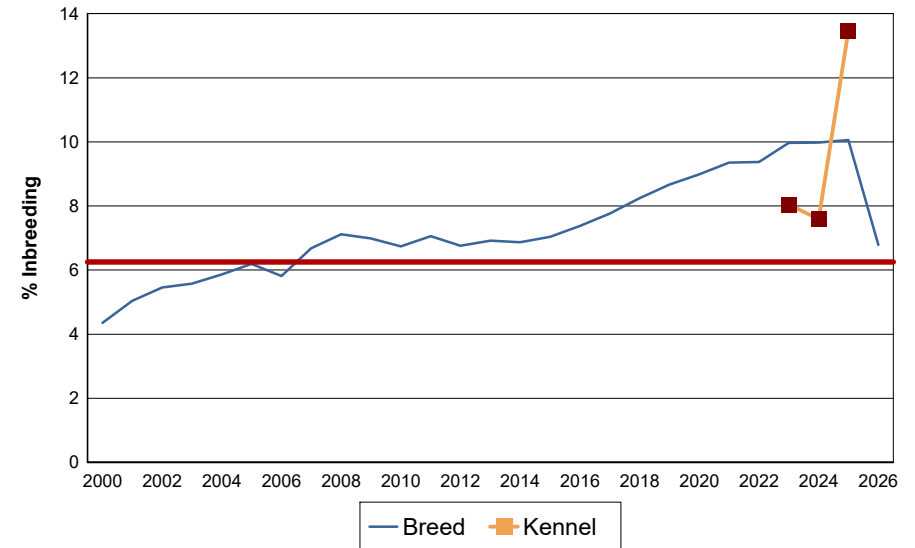
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients are therefore conservative indicators of the level of inbreeding.

Incomplete or incorrect pedigree information can be reported to SA Stud Book via the Breed Society.

Inbreeding Levels for Specific Matings

Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Rate of Inbreeding

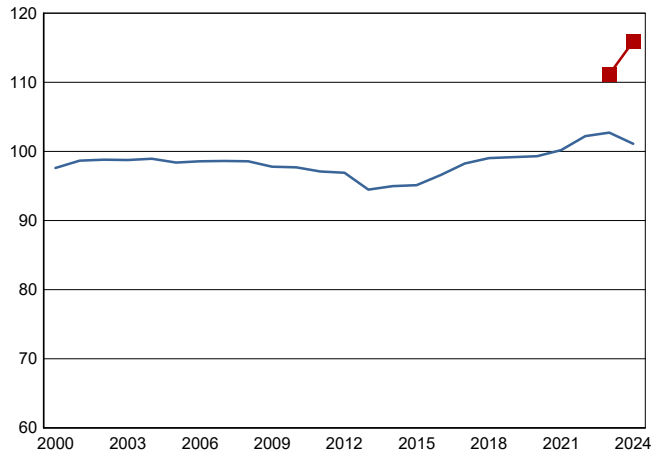


Inbreeding Levels

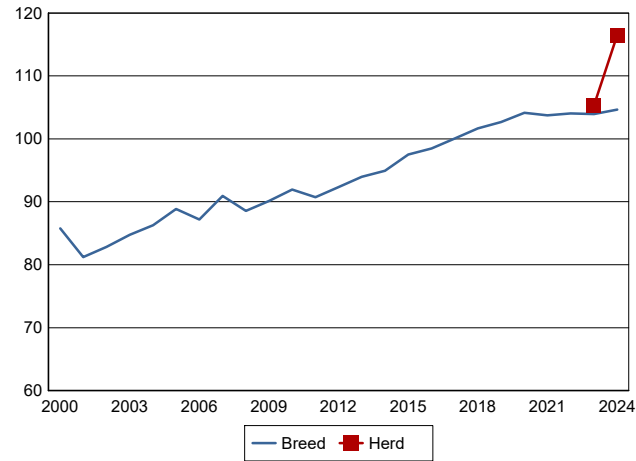
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	9	49007	4	25141	5	23857	8	3371	6	6287
Average Inbreeding	10.71	8.49	10.69	8.46	10.72	8.53	10.16	8.01	6.66	8.00
Number inbred	9	48727	4	24990	5	23728	8	24990	6	23728
Number >6.25% Inbr.	8	30600	4	15537	4	15058	5	15537	2	15058

Genetic Trends

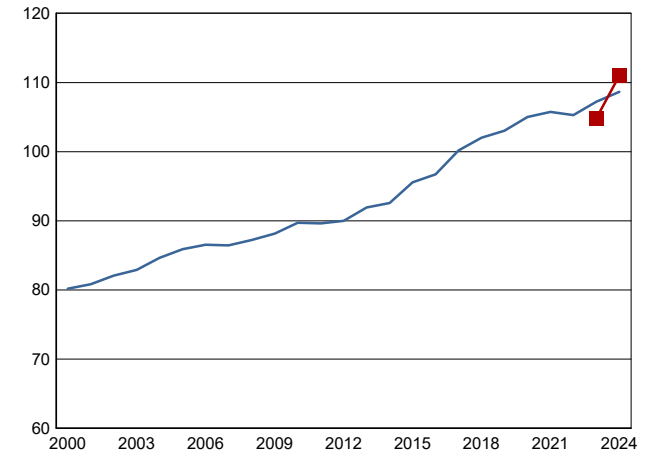
Litter Size



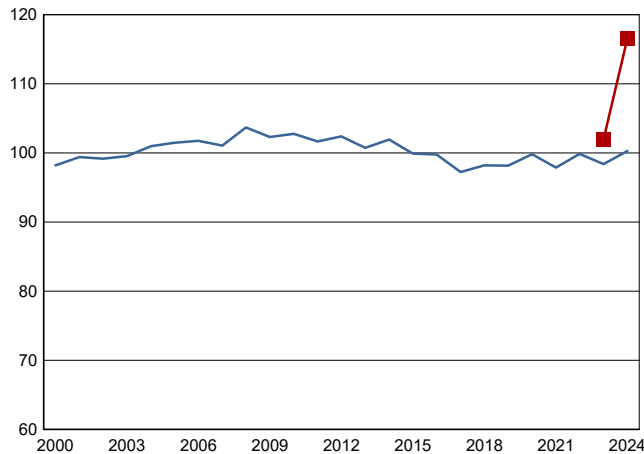
Movement



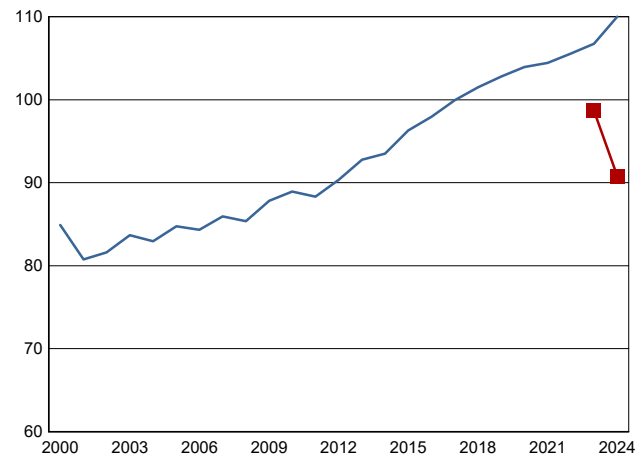
Temperament



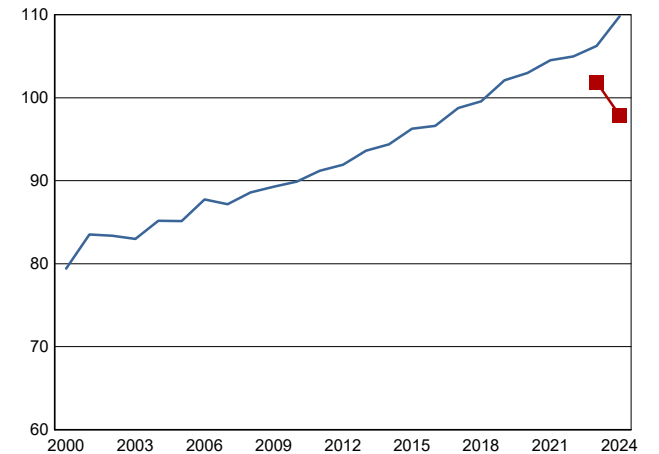
Coat



General Appearance

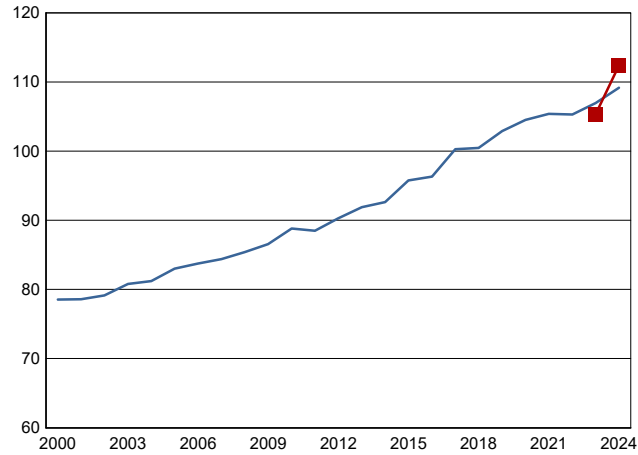


Head & Face

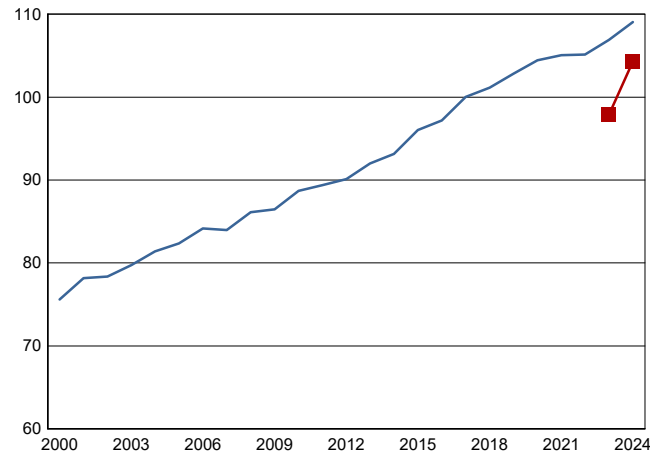


Genetic Trends

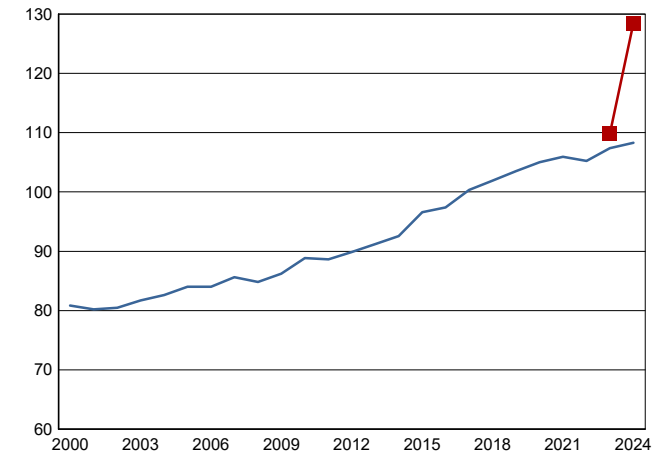
Front Quarter



Centre

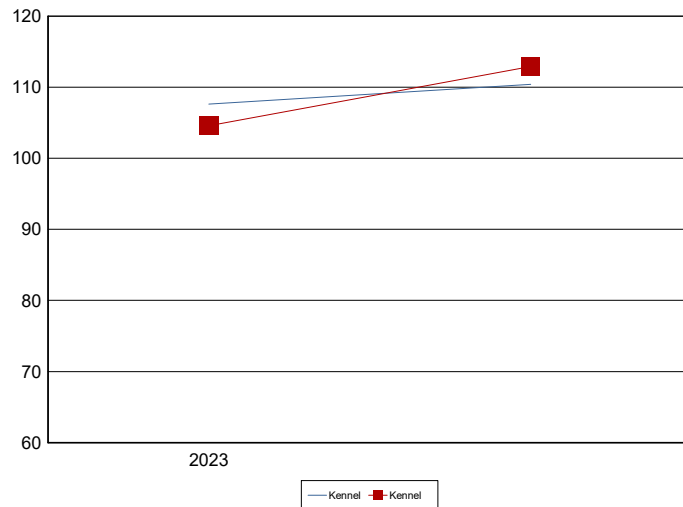


Hind Quarter

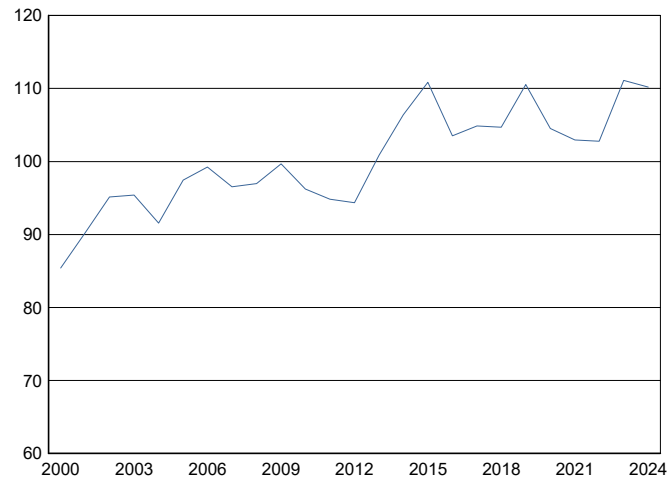


Final Score & Health Traits

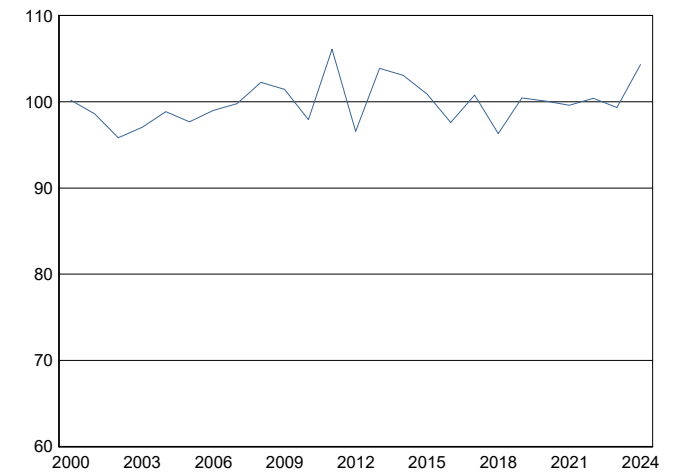
Final Score



Hip Health



Elbow Health



Estimated Breeding Value Indices (EBVi's)

Males

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny with litters
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move-ment	Tempe-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
NSIZWA UFASIMBA		ELEVATION DAX	13.90	97	83	124	101	104	103	111	107	100	99	97	103	16	4				
	2022	MARVILLOSO HERA		5	13	37	56	35	69	56	68	57	59	61	65						
ABAFANA BOMLUNGU VOVO		SA BRIGHT DIEGO	7.66	97	92	112	98	102	112	103	100	104	96	109	103						
	2023	KADIMA IRA		5	5	5	41	5	60	39	59	42	45	48	53						
ABAFANA BOMLUNGU GOLDEN BOY		MSUTHU SAVOY	6.54	95	98	116	117	111	117	91	98	112	104	129	113						
	2024	KADIMA IRA		5	5	11	38	5	58	37	57	39	42	45	51						
ABAFANA BOMLUNGU ABRAHAM		NSIZWA UFASIMBA	14.64	96	85	117	112	108	93			101	98								
	2025	ABAFANA BOMLUNGU ZINJA		5	5	5	27	5	41		40	28	30	32	36						

Estimated Breeding Value Indices (EBVi's)

Females

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny with litters
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move-ment	Tempe-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
WOEKER BBD MIA 3	2021	WOEKER BBD WOEKER	22.17	110	95	62	138	122	96	119	107	110	121	124	120	13	3	2 2			1 1
		WOEKER BBD BELLA 5		5	5	35	54	20	70	54	69	55	57	60	65						
STIMELA KHUMO	2021	ELEVATION BEN 3	10.13	111	82	79	111	106	106	98	110	103	102	103	107	6	2				
		TERRIBLE TWINS MANGCOBO		5	5	9	48	17	65	47	64	49	51	54	59						
IKAMVA NALLA	2022	BELSAR AL PACINO	5.52	106	100	102	101	111	91	123	114	112	113	109	113						
		SPEAR LOLA		5	5	5	40	5	59	21	58	41	43	46	53						
ABAFANA BOMLUNGU ZORO	2023	SA BRIGHT DIEGO	7.66	97	92	112	96	101	110	100	105	109	101	110	107						
		KADIMA IRA		5	5	5	41	5	60	39	59	42	45	48	53						
ABAFANA BOMLUNGU ZINJA	2023	NTOZIMNANDI BHOVA	8.15	95	87	109	123	111	83	93	101	103	96	111	104	4	1				
		KADIMA IRA		5	5	14	42	6	61	41	60	43	46	48	54						

Estimated Breeding Value Indices (EBVi's)

Sires

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Sire Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny with litters
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move-ment	Tempe-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny Litters	Progeny Kennels	Hips	Elbows		
ELEVATION DAX		GROENBERG BBD RAMBO	4.48	103	71	100	117	125	107	128	132	122	115	116	128	131 24	65 53	14 14	51 9		
	2015	HAZENJACHT BBD FIELLA		53	66	69	84	68	90	83	90	84	85	86	88						
ELEVATION BEN 3		SWELLENDAM KAROLUS	8.73	113	77	79	116	103	110	96	102	100	101	105	105	80 18	21 18		8 3		
	2016	ELEVATION MELISSA		28	48	35	68	40	82	67	82	69	71	74	78						
BELSAR AL PACINO		AFRIKA MOJO	5.80	103	106	105	96	84	94	101	101	96	99	100	97	9 2	1 1				
	2017	BRANDENE SARABI		5	5	20	45	14	63	42	62	46	49	52	57						
WOEKER BBD WOEKER		MIDDELPOS BBD JOCK 1	18.09	116	94	65	145	121	113	120	114	111	123	137	129	45 8	21 15	1 1	17 4		
	2018	DAVIDSE WOEKER MIEKA		5	5	45	70	45	83	69	82	71	73	75	79						
NTOZIMNANDI BHOVA		ELEVATION GHETTO-ROUGH	17.62	105	80	86	129	130	73	116	117	114	114	112	117	20 5	7 7		3 3		
	2019	ROKAFELA MABHEBEZA		5	5	23	55	28	71	55	70	56	58	61	66						
SA BRIGHT DIEGO		HERBERG RUGER	5.94	108	91	91	90	106	110	112	130	119	112	112	120	24 4	3 2				
	2021	SA BRIGHT TYLER		5	5	8	52	24	69	52	68	53	56	58	64						
NSIZWA UFASIMBA		ELEVATION DAX	13.90	97	83	124	101	104	103	111	107	100	99	97	103	16 4					
	2022	MARVILLOSO HERA		5	13	37	56	35	69	56	68	57	59	61	65						
MSUTHU SAVOY		KADIMA OLAF	6.75	104	103	99	120	113	112	104	120	123	118	131	126	14 2	2 2				
	2022	BOUWER GUCCI II		5	5	21	43	12	60	42	59	44	46	49	54						

Estimated Breeding Value Indices (EBVi's)

Dams

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny with litters
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move- ment	Tempe-r ament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny Litters	Progeny Kennels	Hips	Elbows		
WOEKER BBD BELLA 5	2017	MIDDELPOS BBD JOCK 1	5.45	104	97	109	121	119	89	103	103	105	107	109	108	22	3	11		7	
		MIDDELPOS BBD NIKITA I		5	5	54	64	43	76	64	75	65	66	68	72						8
MARVILLOSO HERA	2018	CABARET ALLYCAT	4.41	92	95	147	92	97	95	102	93	91	97	93	93	20	5	10		10	
		MIDDELPOS BBD STELLA		5	5	51	63	38	77	63	76	64	66	68	72						9
SPEAR LOLA	2019	ROKAFELA MAX	10.96	109	94	98	102	126	89	127	114	117	111	111	115	9	2	1			
		ROKAFELA VIKKI		5	5	16	49	21	65	46	64	49	52	54	59						1
TERRIBLE TWINS MANGCOBO	2019	ELEVATION GHETTO-ROUGH	5.88	110	88	79	111	115	106	114	120	110	106	105	115	4	1	1		1	
		VOEL GERUS KGO THATSO		5	19	33	50	26	65	49	64	51	53	55	60						1
KADIMA IRA	2021	MAXIPAL TROMPIE	5.12	86	94	133	106	98	110	88	81	96	85	105	92	18	3	4		1	
		AFRIKA PERAZZI		5	17	42	45	19	59	48	58	45	48	50	54						1
ABAFANA BOMLUNGU ZINJA	2023	NTOZIMNANDI BHOVA	8.15	95	87	109	123	111	83	93	101	103	96	111	104	4	1				
		KADIMA IRA		5	5	14	42	6	61	41	60	43	46	48	54						

