

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MR S.M. HUNDA

898 CROWBOROUGH NORTH

0

HARARE

ZIMBABWE



Kennel Number: 694941



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.

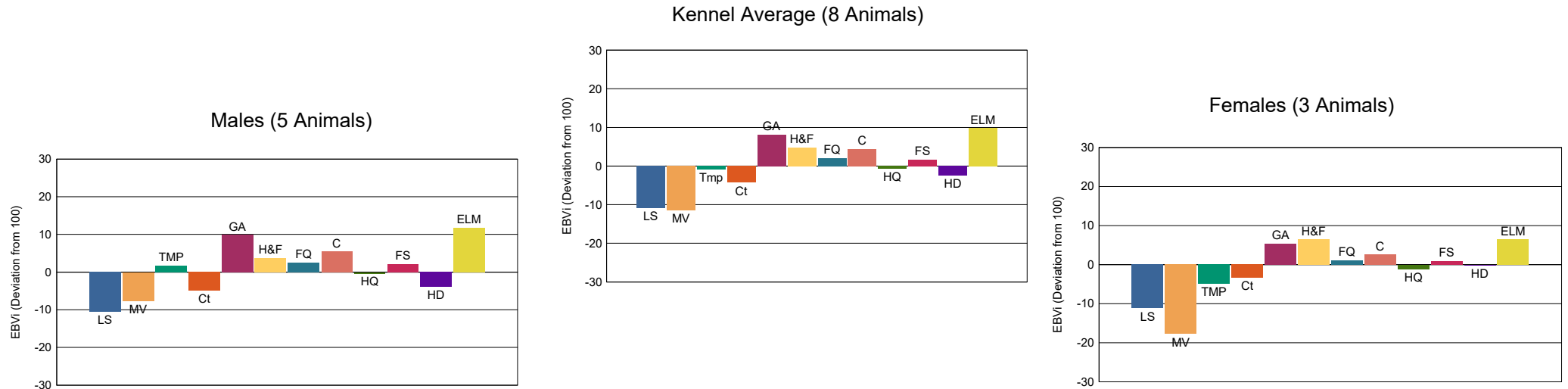
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	89	89	89
Movement (Mv)	89	92	82
Temperament (Tmp)	99	102	95
Coat (Ct)	96	95	97
General Appearance	108	110	105
Head & Face (H&F)	105	104	106
Front Quarter (FQ)	102	103	101
Centre (C)	104	105	103
Hind Quarter (HQ)	99	100	99
Final Score (FS)	102	102	101
Hip Health (HH)	98	96	100
Elbow Health (ELM)	110	112	106

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.

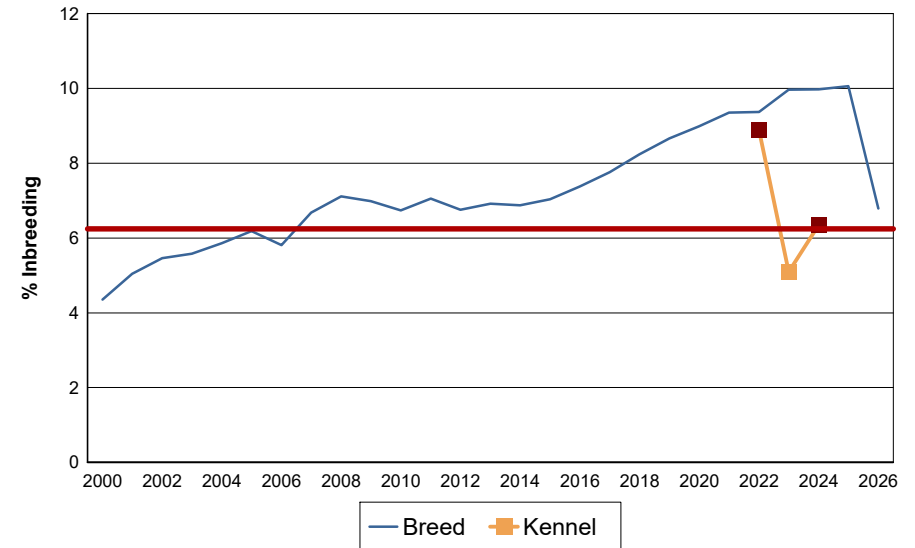
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

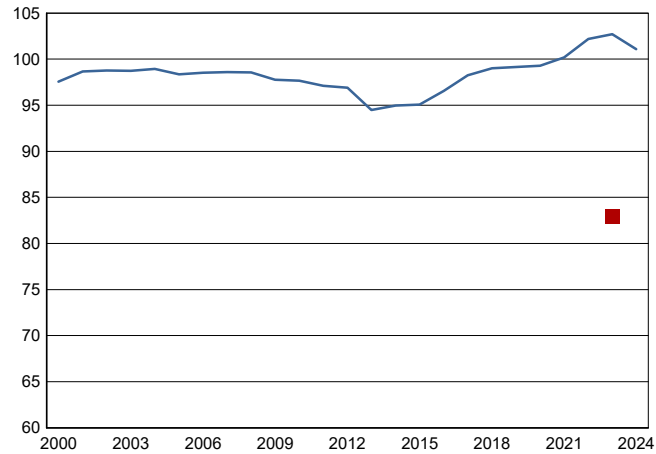


Inbreeding Levels

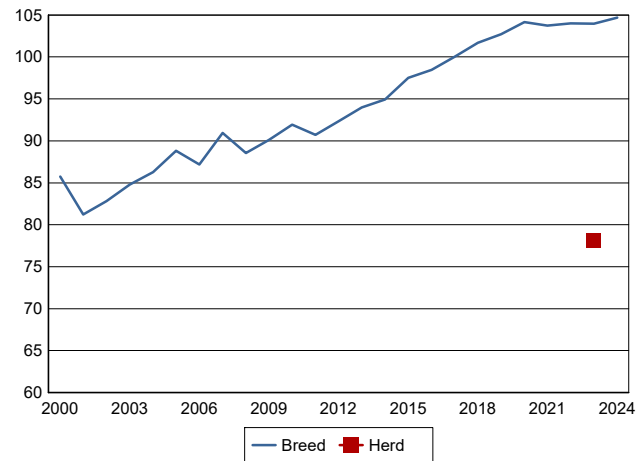
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	8	49007	5	25141	3	23857	7	3371	7	6287
Average Inbreeding	8.85	8.49	7.48	8.46	11.12	8.53	9.54	8.01	8.97	8.00
Number inbred	8	48727	5	24990	3	23728	7	24990	7	23728
Number >6.25% Inbr.	5	30600	3	15537	2	15058	5	15537	4	15058

Genetic Trends

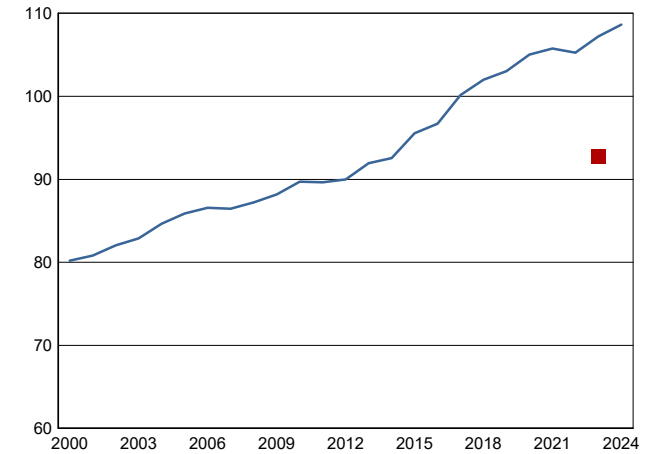
Litter Size



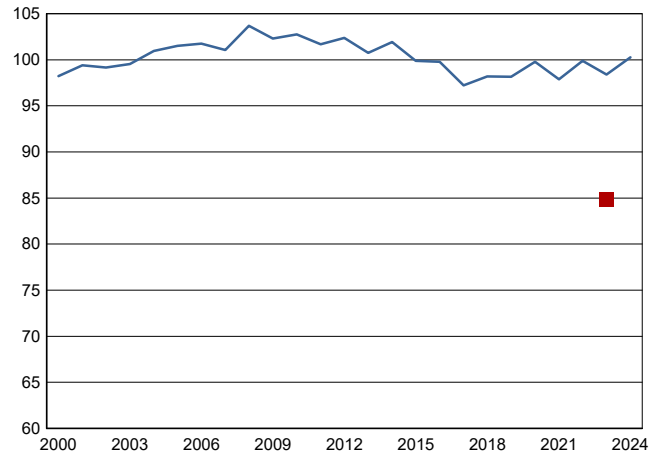
Movement



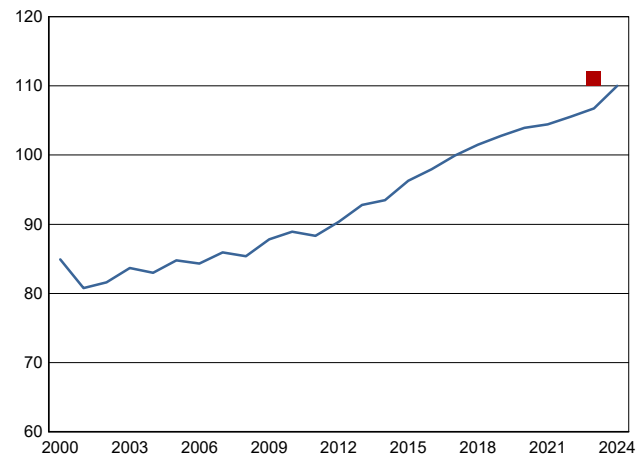
Temperament



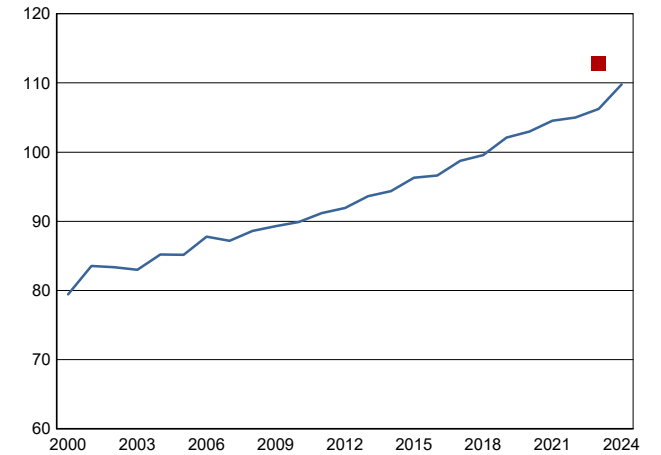
Coat



General Appearance

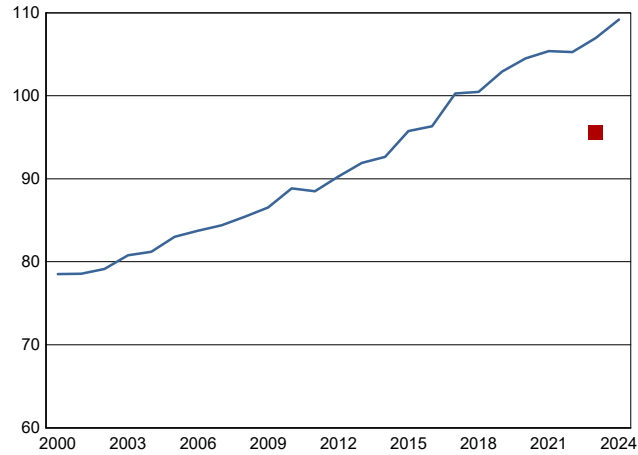


Head & Face

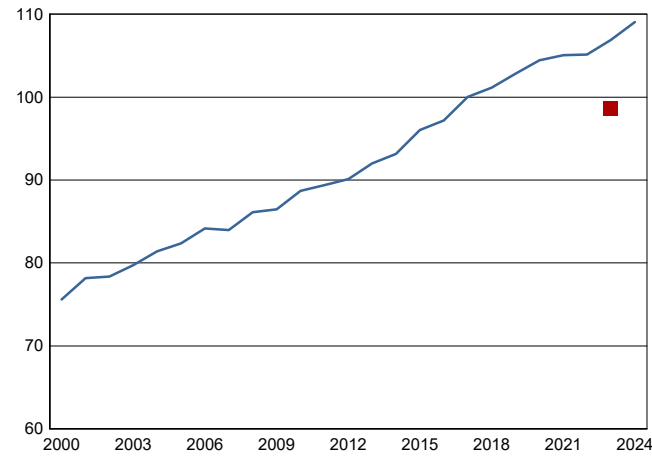


Genetic Trends

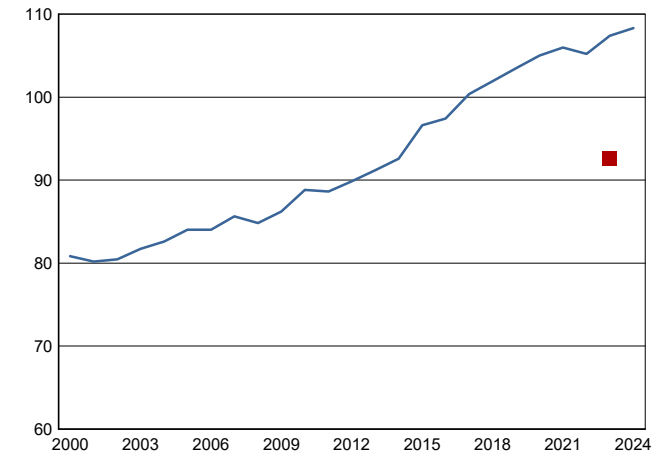
Front Quarter



Centre

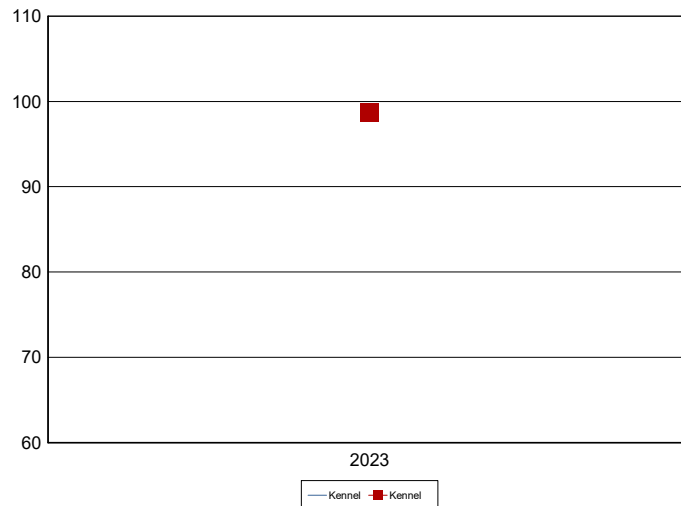


Hind Quarter

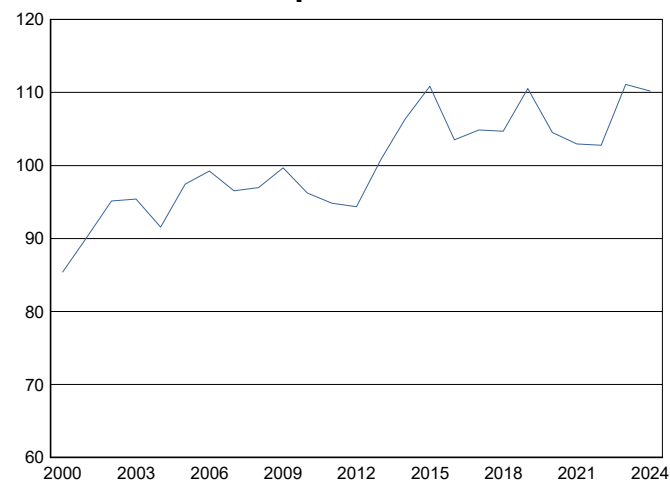


Final Score & Health Traits

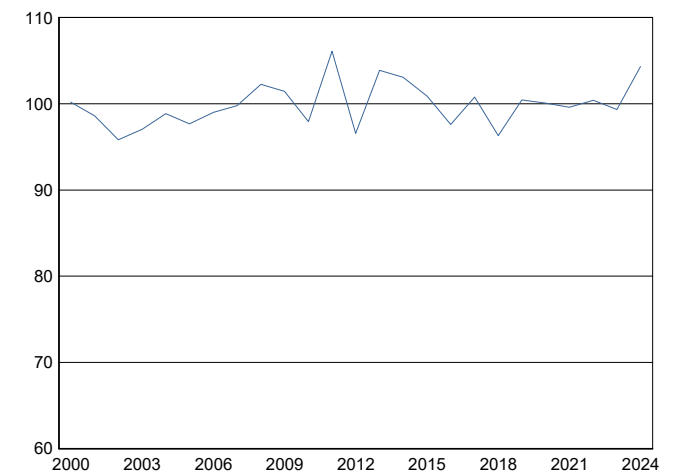
Final Score



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	
IVANOK BORIS		AFRIKA RAMBA	4.57	110	127	90	102	97	100	102	112	97	91	89	100	9	1				1
	2017	KLEIN SANDFONTEIN SAVANNAH		5	16	27	37	6	52	36	51	37	39	42	47						1
JOSMOT SIMBA I		BOSTU SEKHMET	15.05	100	115	90	77	106	87	110	101	104	109	96	100						
	2023	JOSMOT ABBY		5	5	21	38	5	50	37	49	39	40	42	46						
SH MBESUMA		JOSMOT BIGBOY	5.10	90	105	83	78	93	85	111	113	96	99	93	99						
	2023	BHAKARA SAMARA		5	5	5	35	5	52	34	51	36	38	41	46						
SH CHIBHEKA		ALESSANDRO BENJIE	6.35	90	105		102	106	102	113	96	108	114	110	107						
	2024	JOSMOT CENA		5	5		28	5	41	28	41	29	31	33	37						
SH DUNKEN		ALESSANDRO BENJIE	6.35	90	105		102	106	102	113	96	108	114	110	107						
	2024	JOSMOT CENA		5	5		28	5	41	28	41	29	31	33	37						

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		Sire BYr 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	
BHAKARA SAMARA		IVANOK BORIS	6.12	104	109	83	87	89	96	103	115	99	96	94	101	2	2	1			
	2021	KADIMA NARICO		5	5	5	25	5	37	24	36	25	27	29	33			1			
JOSMOT CENA		ELDORADO BBD FRANK SINATRA	17.62	80	115	91	91	96	97	101	83	98	104	98	92	2	1				
	2023	JOSMOT NASHA		5	5	26	48	17	63	47	62	49	51	53	58						
MUTNEL KENNELS AMARA		DTK JOHN WICK	9.63	116	95	93	69	100	98	112	121	107	108	105	110						
	2024	JAMBAL BELLA 2		5	5	5	22	5	35	22	35	23	25	27	31						

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	
AFRIKA RAMBA		MAKHULU BBD RAFA	9.68	115	135	116	81	83	108	88	109	86	69	73	86	9	2	2		1
	2012	AFRIKA AMELIA		8	24	42	47	27	56	46	55	47	48	50	53		2			1
IVANOK BORIS		AFRIKA RAMBA	4.57	110	127	90	102	97	100	102	112	97	91	89	100	9	1			1
	2017	KLEIN SANDFONTEIN SAVANNAH		5	16	27	37	6	52	36	51	37	39	42	47					1
ELDORADO BBD FRANK SINATRA		CABARET PAVAROTTI	18.64	65	125	98	113	88	107	96	83	89	96	99	91	51	10	28		12
	2017	CABARET PAMELA ANDERSON		5	5	41	69	43	83	68	82	70	72	74	79		20			4
JOSMOT BIGBOY		CABARET BORIS (PASELLA)	11.73	76	102	83	75	100	72	118	104	96	103	92	96	24	7	7		1
	2019	TARGUS NOVA		5	5	26	56	30	71	55	70	57	59	61	66		7			1
ALESSANDRO BENJIE		CDH MONTARO	6.16	100	95	93	113	116	107	125	110	118	125	123	121	44	11	15	1	10
	2019	KLEIN SANDFONTEIN ZUZU		5	5	32	50	24	64	49	63	50	53	55	59		12			4
BOSTU SEKHMET		CABARET STRAAT-KAT	9.29	107	124	87	79	107	94	118	109	108	113	94	104	29	3	5	1	2
	2020	CDH MICCO		20	32	44	61	38	75	60	74	62	64	66	70		5			2
DTK JOHN WICK		ELEVATION TRIOMF	6.71	111	94	99	52	91	113	112	118	102	99	93	103	26	9	7		1
	2021	MARVILLOSO GRIZELDA BLANCA		5	5	7	42	12	58	41	57	43	45	47	52		6			1

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	
KLEIN SANDFONTEIN SAVANNAH	2013	MIDDELPOS BBD KOEVOET	5.82	106	119	64	120	108	93	116	101	103	108	101	105	6	3	3			4
		KLEIN SANDFONTEIN NOA		36	44	49	49	25	65	49	64	50	52	55	60						1
KADIMA NARICO	2019	BREKER FANUS	4.18	98	91	76	74	83	90	102	116	103	100	99	101	7					1
		MEGAZONE ALEJANDRA		5	5	26	47	24	57	46	56	47	49	51	54						1
JOSMOT NASHA	2020	TARGUS BOM BOEL	7.35	94	106	92	70	105	87	109	101	110	116	101	102	17	2	7			6
		TREBLA MINNIE		5	5	43	61	37	75	60	74	62	64	66	71						1
JOSMOT ABBY	2020	TARGUS BOM BOEL	7.35	94	106	93	75	105	81	102	94	101	105	99	95	19	2	9			3
		TREBLA MINNIE		5	5	42	59	34	73	58	72	60	61	64	68						1
BHAKARA SAMARA	2021	IVANOK BORIS	6.12	104	109	83	87	89	96	103	115	99	96	94	101	2	2	1			
		KADIMA NARICO		5	5	5	25	5	37	24	36	25	27	29	33						
JAMBAL BELLA 2	2021	JAMBAL BUKS	14.33	121	97	87	86	110	83	113	124	112	117	116	117	9	3	4			
		JAMBAL KITTA		5	5	34	39	13	52	40	51	40	42	44	47						
JOSMOT CENA	2023	ELDORADO BBD FRANK SINATRA	17.62	80	115	91	91	96	97	101	83	98	104	98	92	2	1				
		JOSMOT NASHA		5	5	26	48	17	63	47	62	49	51	53	58						

