

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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HARARE
ZIMBABWE



Kennel Number: 718998



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.

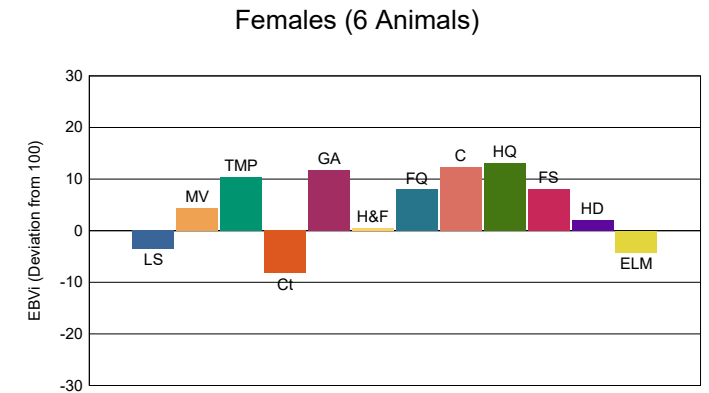
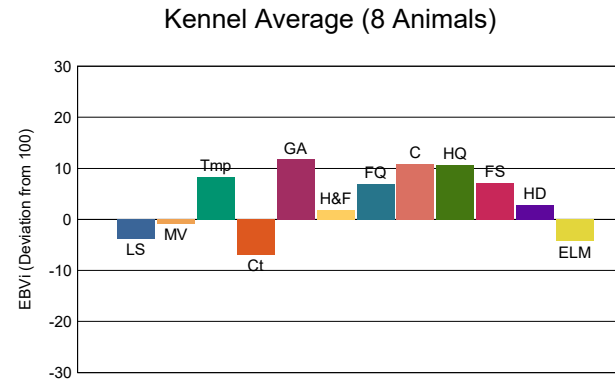
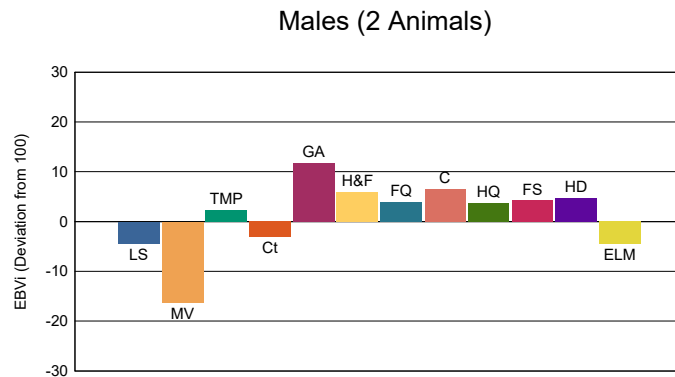
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	96	96	96
Movement (Mv)	99	84	104
Temperament (Tmp)	108	102	110
Coat (Ct)	93	97	92
General Appearance	112	112	112
Head & Face (H&F)	102	106	101
Front Quarter (FQ)	107	104	108
Centre (C)	111	106	112
Hind Quarter (HQ)	111	104	113
Final Score (FS)	107	104	108
Hip Health (HH)	103	105	102
Elbow Health (ELM)	96	95	96

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.

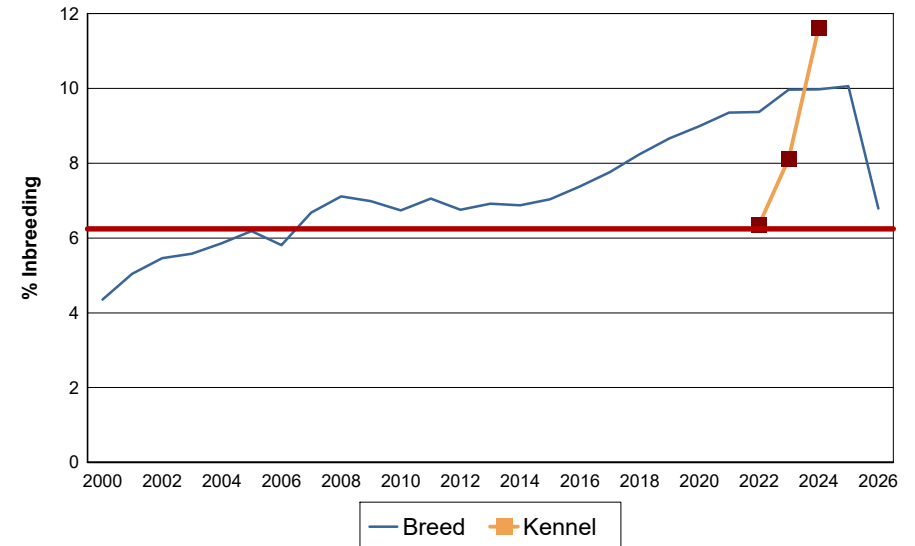
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

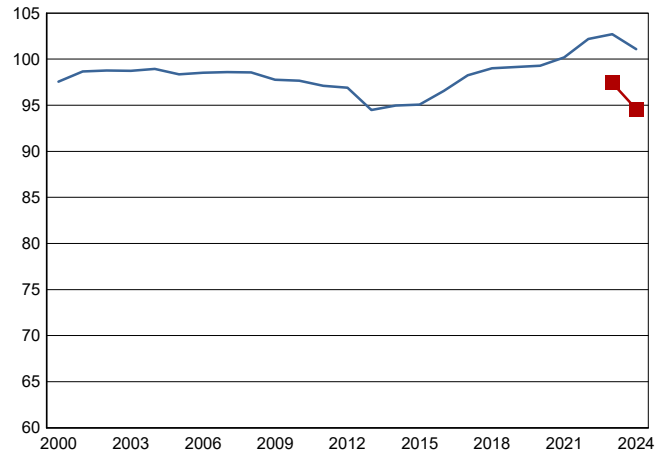


Inbreeding Levels

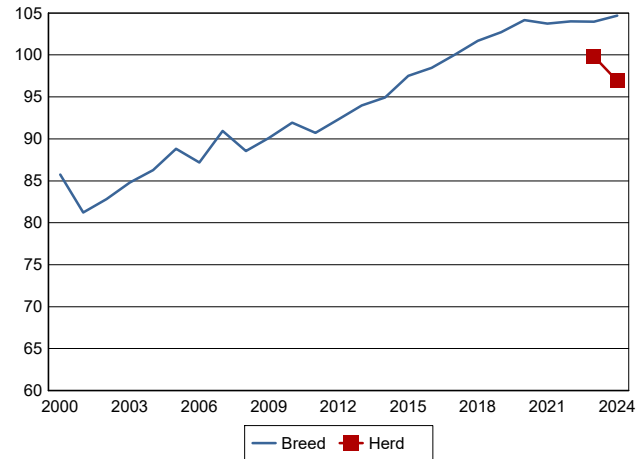
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	8	49007	2	25141	6	23857	5	3371	6	6287
Average Inbreeding	10.54	8.49	8.17	8.46	11.33	8.53	8.89	8.01	9.03	8.00
Number inbred	8	48727	2	24990	6	23728	5	24990	6	23728
Number >6.25% Inbr.	7	30600	2	15537	5	15058	3	15537	6	15058

Genetic Trends

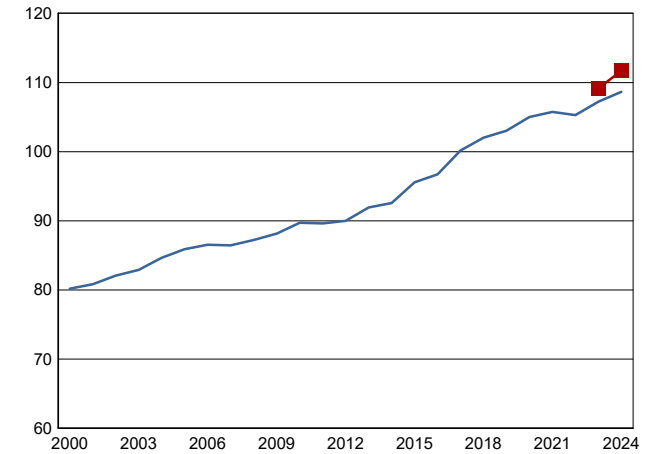
Litter Size



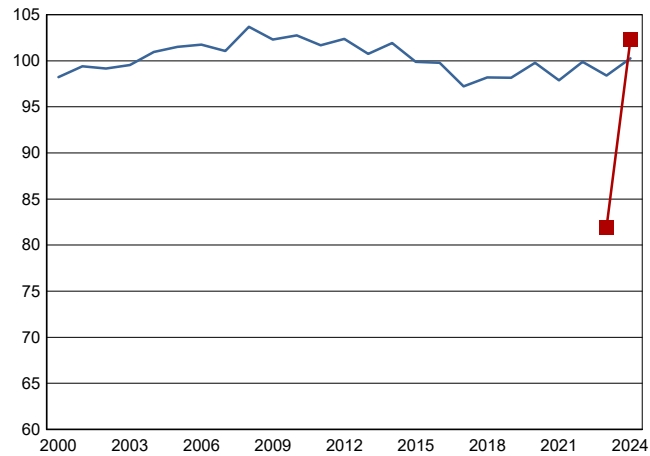
Movement



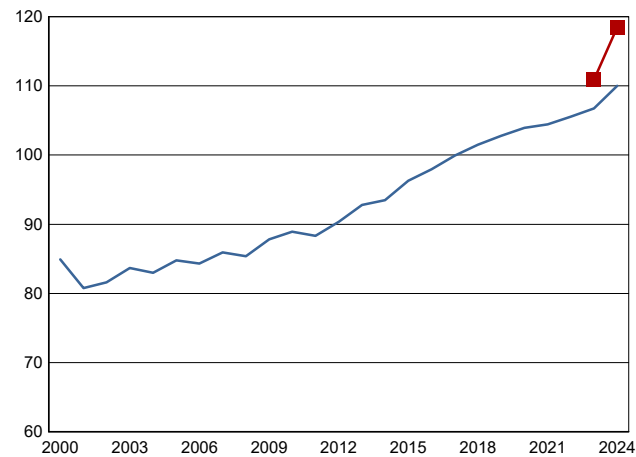
Temperament



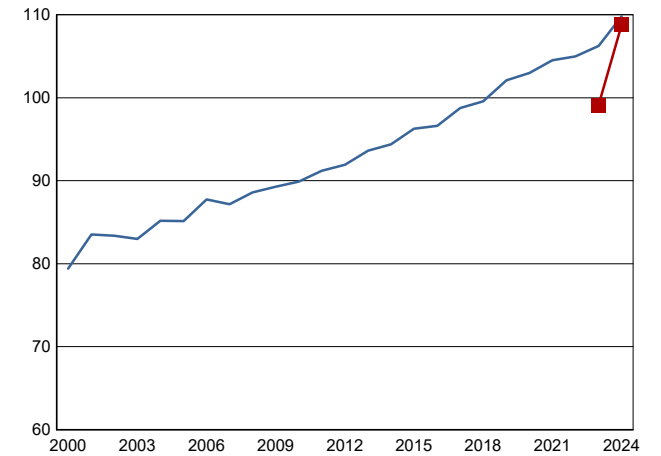
Coat



General Appearance

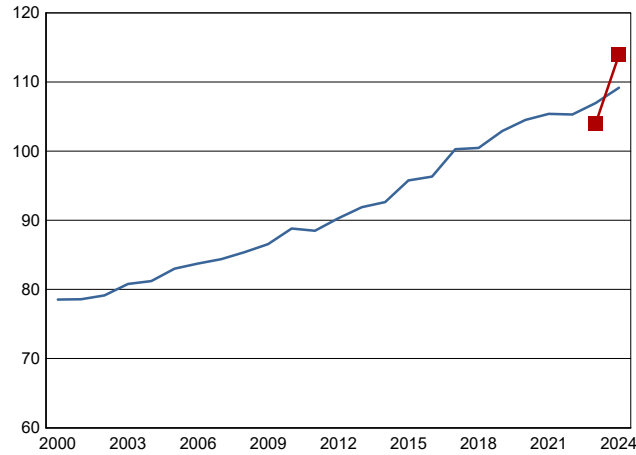


Head & Face

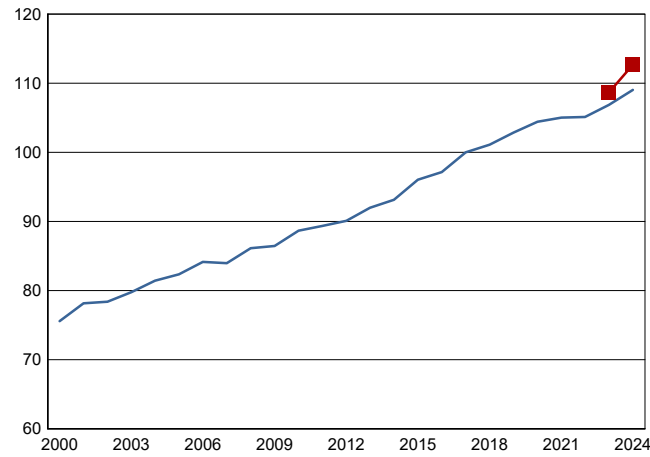


Genetic Trends

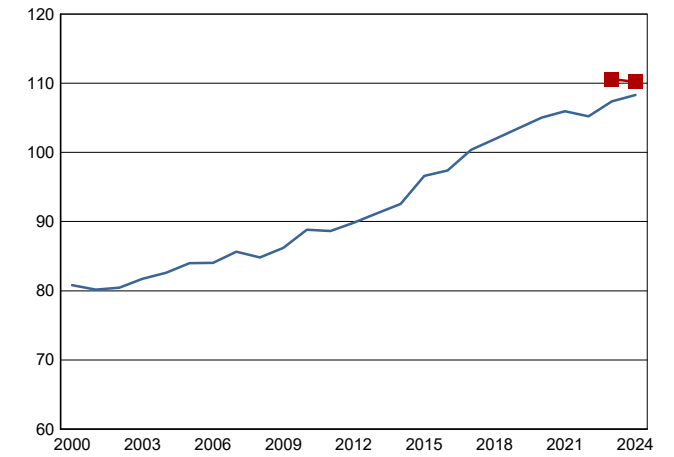
Front Quarter



Centre

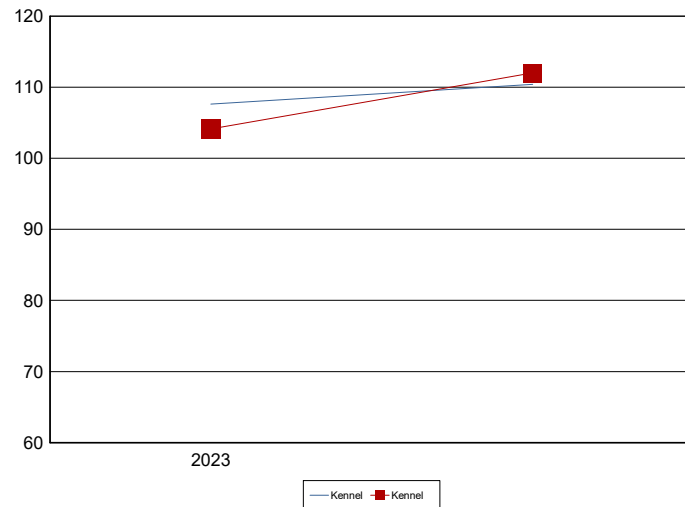


Hind Quarter

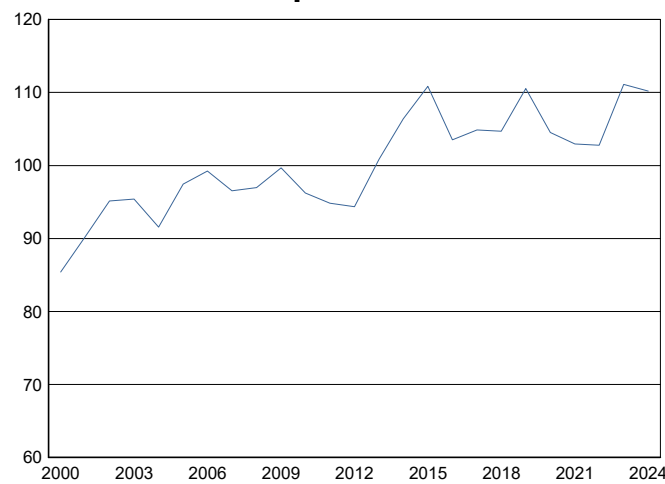


Final Score & Health Traits

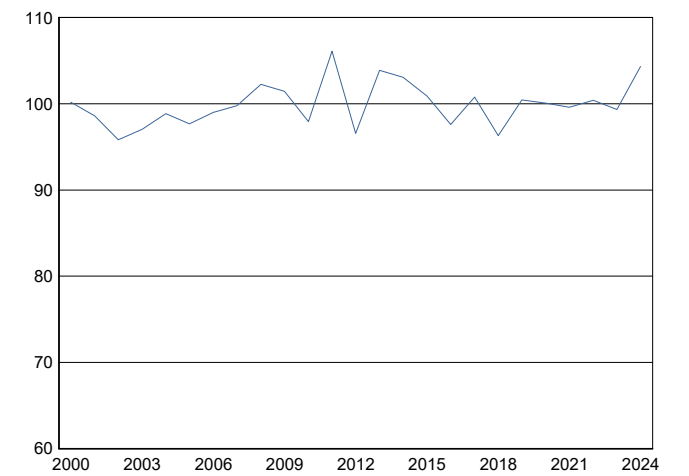
Final Score



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	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	
SAHARA STORM JONES	DTK JOHN WICK		8.86	107	93	97	75	98	94	110	107	100	103	99	101						
	2023 SPARTAVILLE LADY HADASA			5	5	5	33	5	53	32	52	34	37	40	46						
SAHARA STORM ZIG	ALESSANDRO DABUKA		7.48	103	98	95	93	107	99	114	105	108	110	108	108						
	2024 DZIMBAHWE SHELBY			5	5	5	20	5	36	19	35	21	23	26	31						

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	Progeny with litters
ALESSANDRO SHOSHO	2019	CDH MONTARO KLEIN SANDFONTEIN ZUZU	6.16	100 5	95 5	96 34	116 48	112 22	115 64	112 47	101 63	112 49	124 51	124 53	117 58	3 2				
SPARTAVILLE LADY HADASA	2021	ALESSANDRO BENJIE NJAL YARA	11.77	103 5	92 5	94 16	108 40	111 5	59 58	104 39	94 57	104 40	107 43	111 46	100 52	3 1	3 2			
DZIMBAHWE SHELBY	2023	DTK JOHN WICK IVANOK CHINA	8.41	105 5	101 5	93 5	71 37	101 5	87 57	113 36	108 56	102 38	101 41	95 44	99 50	2 1	1 1			
SAHARA STORM ATHENA	2023	IVANOK THAINOS SPARTAVILLE LADY HADASA	7.76	103 5	93 5	98 5	113 34	116 5	74 54	113 33	93 53	106 35	112 38	117 41	105 47					
SAHARA STORM JEWEL	2024	ALESSANDRO DABUKA ALESSANDRO JANI	26.43	99 5	95 5	103 5	121 20	111 5	113 40	111 19	99 39	110 21	117 25	123 28	115 34					
SAHARA STORM ZOEY	2024	ALESSANDRO DABUKA DZIMBAHWE SHELBY	7.48	103 5	98 5	95 5	97 34	112 5	102 54	119 33	109 53	114 35	113 37	110 41	112 47					

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	
CDH MONTARO		MIDDELPOS BBD JOCK 1	17.31	118	97	82	115	117	112	110	98	108	115	127	115	22 5	6				6
	2018	MIDDELPOS BBD MIKI		5	13	43	60	37	74	60	73	61	63	65	69						2
IVANOK THAINOS		GIANTS OF AFRICA GUNSLINGER	8.09	102	94	102	115	117	96	116	100	108	114	121	113	7 2	4				
	2019	IVANOK SARAFINA		5	5	17	36	10	50	35	49	37	39	41	45						
ALESSANDRO DABUKA		CDH MONTARO	6.16	100	95	96	115	113	112	115	101	114	120	121	116	20 7	2				
	2019	KLEIN SANDFONTEIN ZUZU		5	5	29	43	18	55	42	54	43	45	47	51						
ALESSANDRO BENJIE		CDH MONTARO	6.16	100	95	93	113	116	107	125	110	118	125	123	121	44 11	15		1	1	10
	2019	KLEIN SANDFONTEIN ZUZU		5	5	32	50	24	64	49	63	50	53	55	59						4
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						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 ZUZU	2016	KLEIN SANDFONTEIN MATANA	8.66	83	94	110	110	105	109	117	100	115	122	114	113	28	5	8			8
		KLEIN SANDFONTEIN SIERRA		5	11	56	62	37	77	62	76	63	65	68	72						
ALESSANDRO JANI	2018	MIDDELPOS BBD JOCK 1	7.46	98	95	110	126	109	115	106	98	105	114	125	114	33	5	11			7
		KLEIN SANDFONTEIN ZUZU		5	5	46	62	39	76	62	75	63	65	67	72						
IVANOK CHINA	2018	IVANOK HEROD	7.97	99	109	88	98	107	66	109	85	94	100	99	91	5	2	3			2
		CABARET RUBY		5	5	16	34	5	49	34	48	35	37	40	44						
NJAL YARA	2019	SUID KAAP BISMARCK	9.90	106	88	105	112	118	55	100	97	110	108	112	103	5	2	1			1
		KLEIN SANDFONTEIN MARTHELLA		5	5	28	44	22	56	43	55	44	46	48	52						
SPARTAVILLE LADY HADASA	2021	ALESSANDRO BENJIE	11.77	103	92	94	108	111	59	104	94	104	107	111	100	3	1	3			
		NJAL YARA		5	5	16	40	5	58	39	57	40	43	46	52						
DZIMBAHWE SHELBY	2023	DTK JOHN WICK	8.41	105	101	93	71	101	87	113	108	102	101	95	99	2	1	1			
		IVANOK CHINA		5	5	5	37	5	57	36	56	38	41	44	50						

