

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MR T. DEDA

1783 ESSENWOOD CRESCENT
NOORDWYK
JOHANNESBURG
1682



Kennel Number: 706350



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.

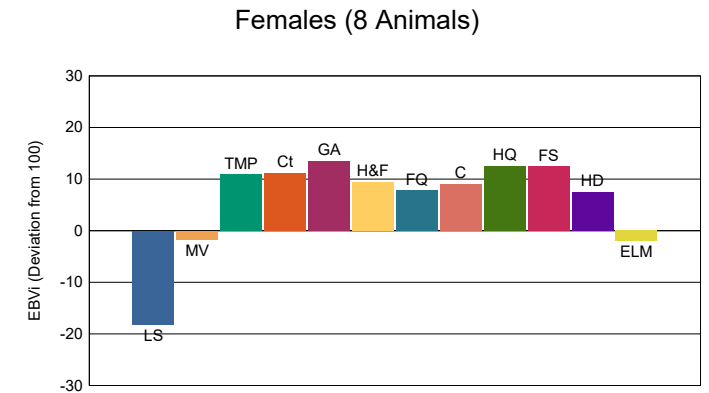
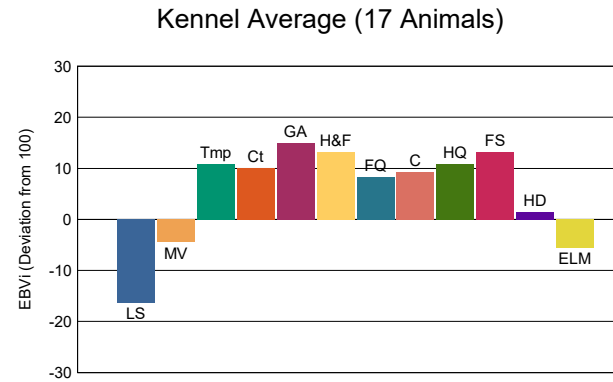
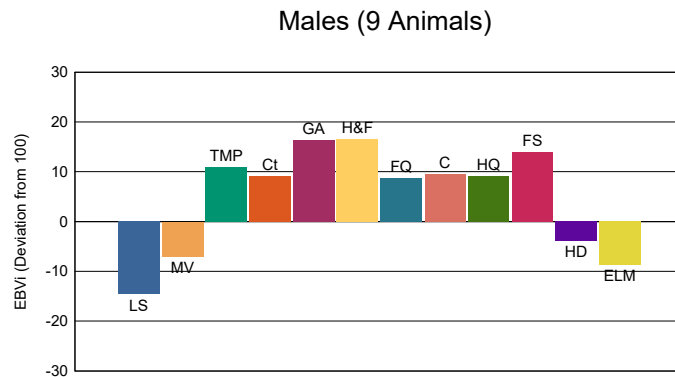
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	84	85	82
Movement (Mv)	95	93	98
Temperament (Tmp)	111	111	111
Coat (Ct)	110	109	111
General Appearance	115	116	113
Head & Face (H&F)	113	117	109
Front Quarter (FQ)	108	109	108
Centre (C)	109	110	109
Hind Quarter (HQ)	111	109	113
Final Score (FS)	113	114	112
Hip Health (HH)	102	96	108
Elbow Health (ELM)	94	91	98

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.

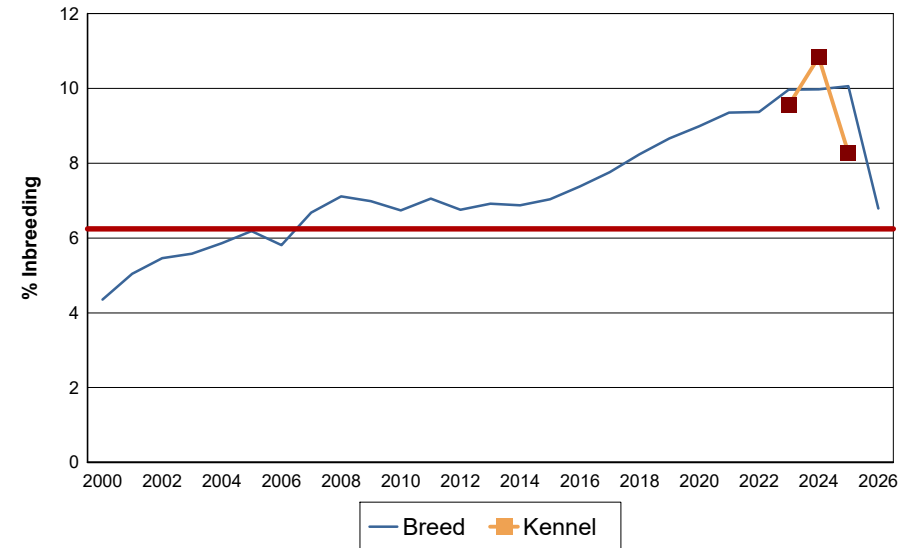
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

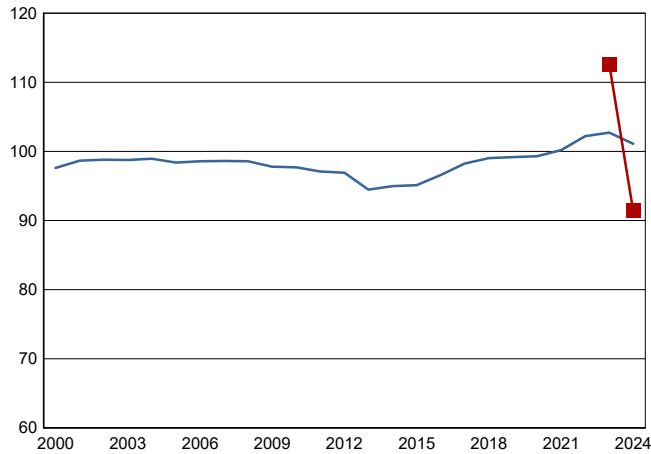


Inbreeding Levels

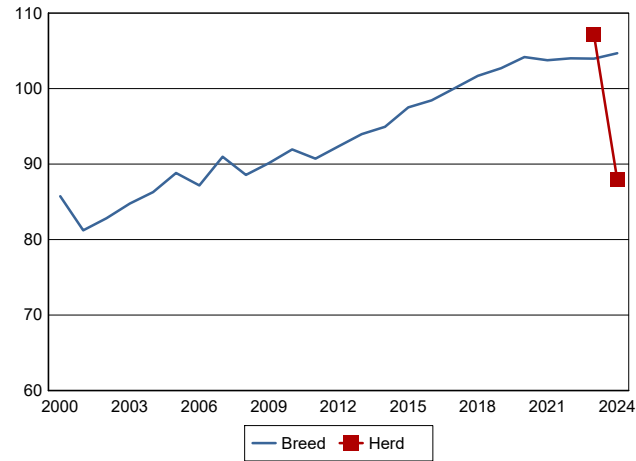
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	17	49007	9	25141	8	23857	7	3371	7	6287
Average Inbreeding	9.27	8.49	8.48	8.46	10.16	8.53	13.21	8.01	8.19	8.00
Number inbred	17	48727	9	24990	8	23728	7	24990	7	23728
Number >6.25% Inbr.	16	30600	9	15537	7	15058	7	15537	5	15058

Genetic Trends

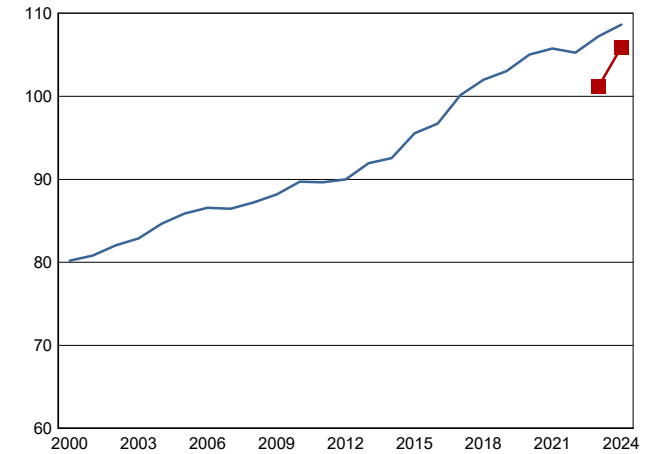
Litter Size



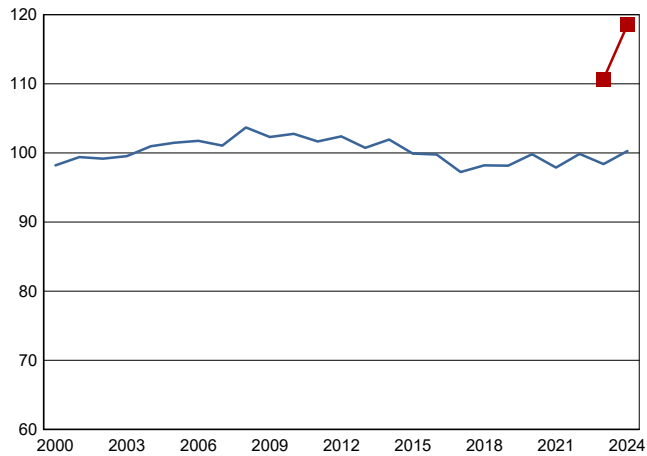
Movement



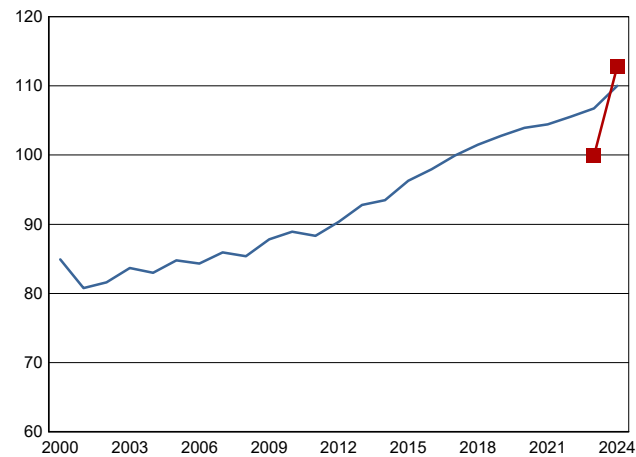
Temperament



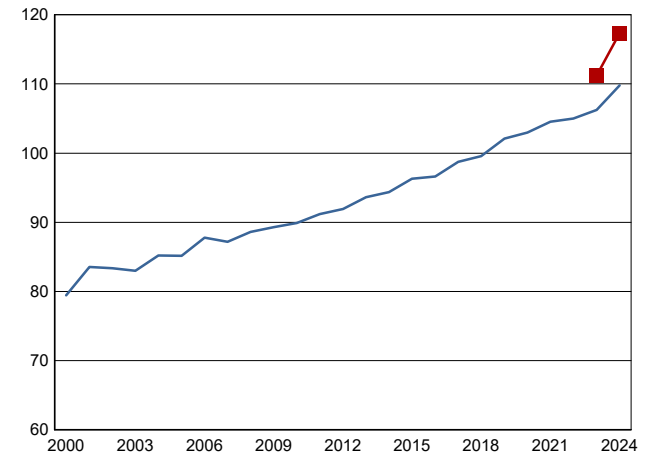
Coat



General Appearance

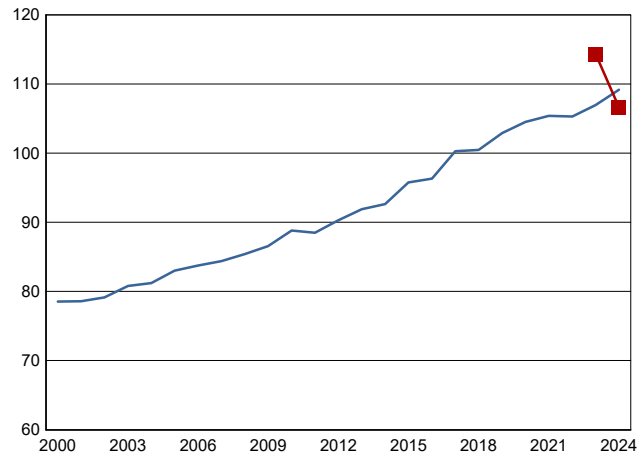


Head & Face

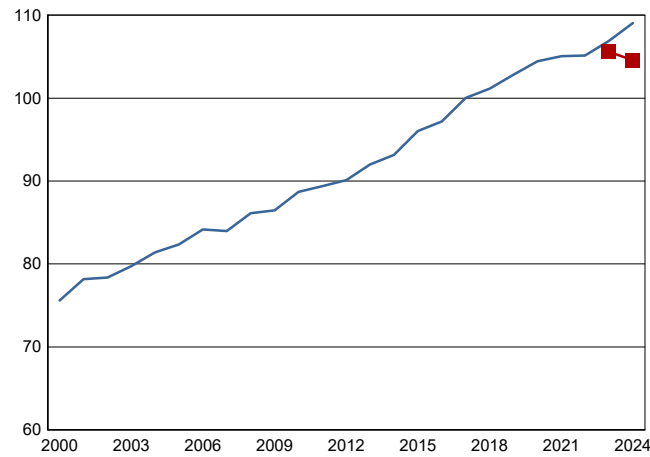


Genetic Trends

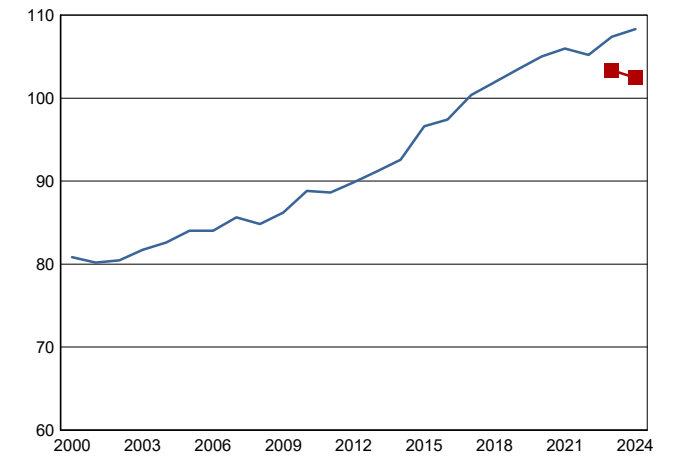
Front Quarter



Centre

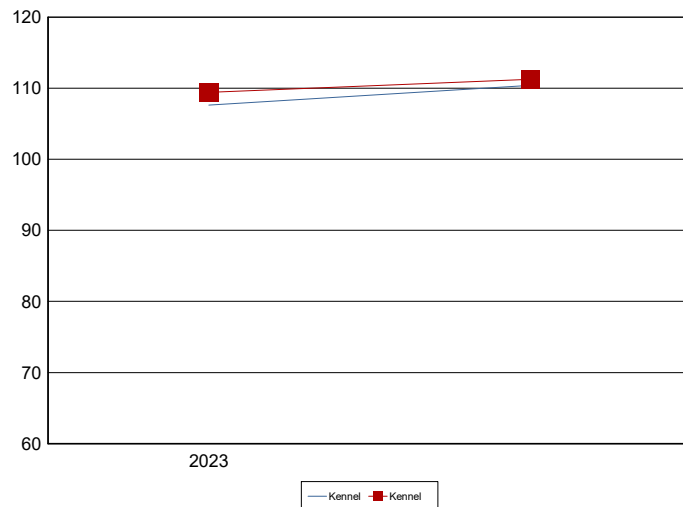


Hind Quarter

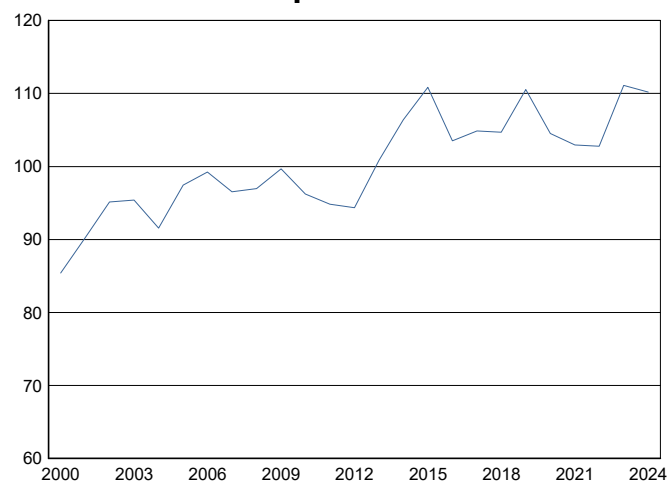


Final Score & Health Traits

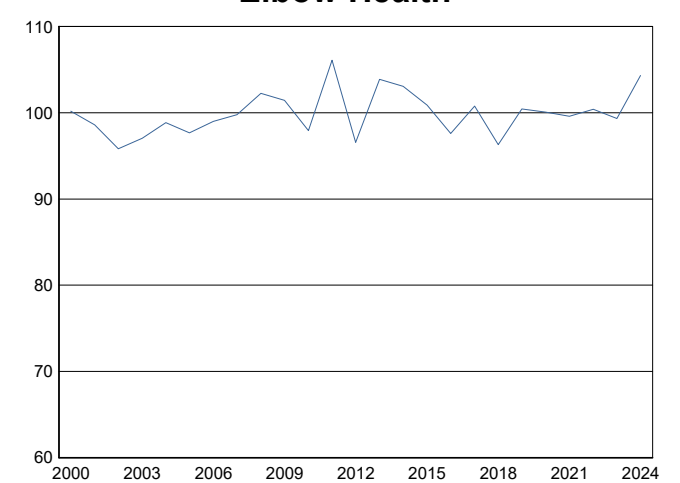
Final Score



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	%	Hips	Elbows	Litter Size	Move-	Tempe-	Coat	General	Head &	Front	Centre	Hind	Final	Progeny Litters	Progeny Kennels	Hips	Elbows		
	BYr	Dam		Acc.	Acc.	Acc.	ment	rament		Appear.	Face	Quarter		Quarter	Score						
ROYAL ZAMBAZI BERLIN		PENINSULA TAURUS	11.48	120	106	87	73		135	95	121	105	92	95	107						
	2024	AFRIKA LILLY 4		5	5	5	42		59	41	58	43	45	48	53						
ROYAL ZAMBAZI KAMPALA		BOSTU DADGR	9.35	81	87	101	103	115	99	132	115	102	117	107	114						
	2024	GUNSMOKE MAYA THE ONE		5	5	5	43	10	60	42	59	44	46	49	54						
ROYAL ZAMBAZI STRUGGLE		LA BOELA UBER	8.12	95	86	120	93	100	105	103	104	102	102	108	105						
	2025	CAVIN REGAL NAIROBI		5	5	5	22	5	37	21	36	23	25	28	32						
ROYAL ZAMBAZI KING RAGNAR LOTHBROK		LA BOELA UBER	8.12	95	86	120	93	100	105	103	104	102	102	108	105						
	2025	CAVIN REGAL NAIROBI		5	5	5	22	5	37	21	36	23	25	28	32						
ROYAL ZAMBAZI 992003000535473		BOSTU ZURANO	7.84	95	91	68	95	118	108			113	114								
	2025	ROYAL ZAMBAZI TOKYO		5	5	5	28	5	42		41	28	31	33	37						
ROYAL ZAMBAZI FERRARI		BOSTU ZURANO	7.84	95	91	68	95	118	108			113	114								
	2025	ROYAL ZAMBAZI TOKYO		5	5	5	28	5	42		41	28	31	33	37						
ROYAL ZAMBAZI ZURICH		BOSTU ZURANO	7.84	95	91	68	95	118	108			113	114								
	2025	ROYAL ZAMBAZI TOKYO		5	5	5	28	5	42		41	28	31	33	37						
ROYAL ZAMBAZI 900141000836726		BOSTU ZURANO	7.84	95	91	68	95	118	108			113	114								
	2025	ROYAL ZAMBAZI TOKYO		5	5	5	28	5	42		41	28	31	33	37						
ROYAL ZAMBAZI 900141000836704		BOSTU ZURANO	7.84	95	91	68	95	118	108			113	114								
	2025	ROYAL ZAMBAZI TOKYO		5	5	5	28	5	42		41	28	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	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	
CAVIN REGAL NAIROBI	2021	GALACTIC ICARUS	5.81	98	84	103	99	97	112	103	92	96	97	97	96	15	2	3 2			
		LA BOELA OPAL		5	5	35	36	8	48	36	48	37	39	41	44						
AFRIKA LILLY 4	2021	CDH ZEUS	10.70	120	103	76	99	99	115	97	98	96	101	108	103	8	2	2 1			1 1
		AFRIKA OPIUM		5	5	39	46	17	63	46	62	47	49	52	57						
LA BOELA ELOISE	2022	LA BOELA REMINGTON	15.46	117	112	96	112	119	108	119	103	111	117	132	119						
		LA BOELA GEETAH		5	5	6	39	5	59	38	58	40	43	46	52						
ROYAL ZAMBAZI TOKYO	2024	PENINSULA TAURUS	11.48	120	106	87	88	110	121	112	117	113	104	106	113	12	1				
		AFRIKA LILLY 4		5	5	5	42	5	59	41	58	43	45	48	54						
ROYAL ZAMBAZI FABIANIE	2025	LA BOELA REMINGTON	14.29	121	105	88	105	109	110	109	102	106	109	118	111						
		AFRIKA LILLY 4		5	5	7	27	5	42	26	41	28	30	33	37						
ROYAL ZAMBAZI 992003000535470	2025	BOSTU ZURANO	7.84	95	91	68	95	118	108		121	113	114	113	119						
		ROYAL ZAMBAZI TOKYO		5	5	5	28	5	42		41	28	31	33	37						
ROYAL ZAMBAZI MERCEDES	2025	BOSTU ZURANO	7.84	95	91	68	95	118	108		121	113	114	113	119						
		ROYAL ZAMBAZI TOKYO		5	5	5	28	5	42		41	28	31	33	37						
ROYAL ZAMBAZI 900141000836728	2025	BOSTU ZURANO	7.84	95	91	68	95	118	108		121	113	114	113	119						
		ROYAL ZAMBAZI TOKYO		5	5	5	28	5	42		41	28	31	33	37						

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 ZEUS		MIDDELPOS BBD JOCK 1	17.31	121	113	84	115	109	117	96	90	102	105	120	107	42	6	7		3
	2018	MIDDELPOS BBD MIKI		5	13	43	62	39	76	62	75	63	65	67	72					
GALACTIC ICARUS		VOLSPOED HECTOR	6.42	106	110	100	99	94	102	95	95	102	94	99	96	6	1			1
	2018	VOLSPOED ZENOBIA		5	5	24	45	14	63	45	62	46	49	51	57					
LA BOELA REMINGTON		MEGAZONE DEXTER	16.04	122	107	100	112	119	104	120	106	116	118	128	119	31	6	6		2
	2020	KAMMO BBD SEIFER		5	5	24	51	21	68	50	67	51	54	57	62					
BOSTU DADGR		BOSTU DADDY COOL	10.43	67	79	115	98	126	106	134	113	107	120	113	118	14	3	3		
	2021	AFRIKA RULE		35	53	34	59	37	73	59	72	60	62	64	69					
PENINSULA TAURUS		MIDDELPOS BBD GAMKA	9.47	120	110	97	68	110	114	117	130	119	100	103	115	52	10	13	1	1
	2021	ZKR DUCHES		5	5	18	62	35	76	61	75	62	65	67	72					
LA BOELA UBER		LA BOELA ROOSTER	14.29	92	88	136	88	104	97	102	116	108	107	118	113	12	3			
	2021	LA BOELA VENUS II		5	5	12	46	9	63	45	62	47	49	52	57					
BOSTU ZURANO		BOSTU ZAZU	18.51	70	77	50	102	126	94	134	126	114	125	121	126	21	3			
	2022	BOSTU TERIANO		14	43	28	52	23	68	51	67	53	55	57	62					

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	
LA BOELA OPAL	2015	MIDDELPOS BBD MAXIMUS I	8.11	89	57	98	98	99	122	110	88	90	100	95	96	53	4	19			15
		MIDDELPOS BBD KEENA		28	42	56	68	45	80	67	79	68	70	72	76						2
AFRIKA OPIUM	2018	ELEVATION TANKWA	7.32	118	93	78	93	101	122	113	110	94	104	103	107	12	1	3	1	1	3
		AFRIKA CHANEL		13	32	44	54	27	71	54	70	55	57	60	65						1
LA BOELA GEETAH	2020	LA BOELA DODGE	9.15	112	118	91	100	110	111	112	109	108	113	122	116	17	4	2			1
		KAMMO BBD LONDON		22	43	47	38	15	51	38	50	39	41	43	47						1
CAVIN REGAL NAIROBI	2021	GALACTIC ICARUS	5.81	98	84	103	99	97	112	103	92	96	97	97	96	15	2	3			
		LA BOELA OPAL		5	5	35	36	8	48	36	48	37	39	41	44						
AFRIKA LILLY 4	2021	CDH ZEUS	10.70	120	103	76	99	99	115	97	98	96	101	108	103	8	2	2			1
		AFRIKA OPIUM		5	5	39	46	17	63	46	62	47	49	52	57						1
GUNSMOKE MAYA THE ONE	2022	RAINAISANCE LEO	4.79	94	94	87	103	101	107	121	113	93	114	110	112	3	1	1			
		GATEKEEPER NOVA		5	5	15	47	17	64	47	63	48	51	53	58						
ROYAL ZAMBAZI TOKYO	2024	PENINSULA TAURUS	11.48	120	106	87	88	110	121	112	117	113	104	106	113	12	1				
		AFRIKA LILLY 4		5	5	5	42	5	59	41	58	43	45	48	54						

