

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 JAYNIEL BOERBOELS

GROWHOME ESTATE
CHIKAKORE
KUBWA ABUJA
NIGERIA



Kennel Number: 714793



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.

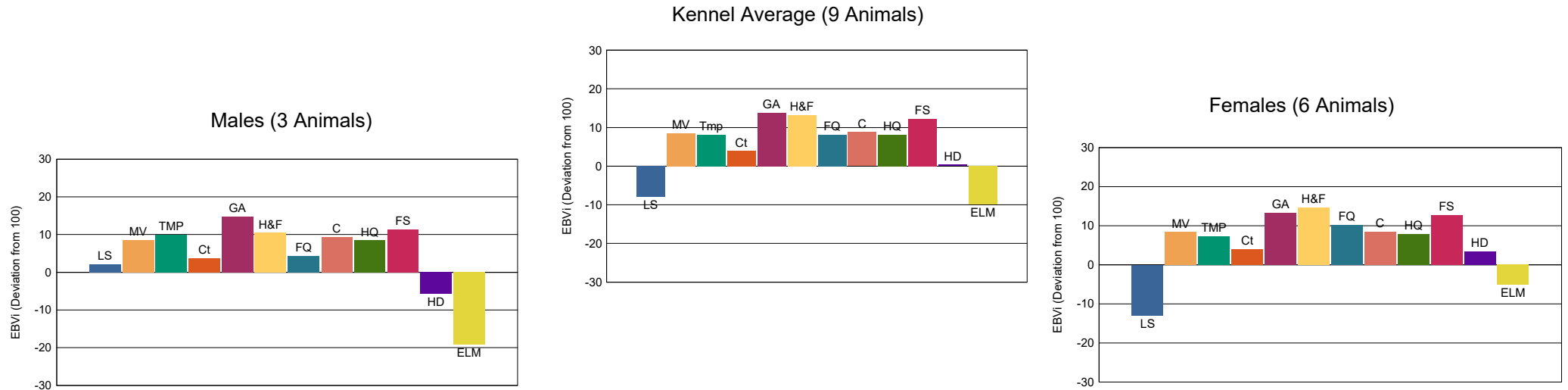
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	92	102	87
Movement (Mv)	108	109	108
Temperament (Tmp)	108	110	107
Coat (Ct)	104	104	104
General Appearance	114	115	113
Head & Face (H&F)	113	110	115
Front Quarter (FQ)	108	104	110
Centre (C)	109	109	109
Hind Quarter (HQ)	108	108	108
Final Score (FS)	112	111	113
Hip Health (HH)	100	94	103
Elbow Health (ELM)	90	81	95

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.

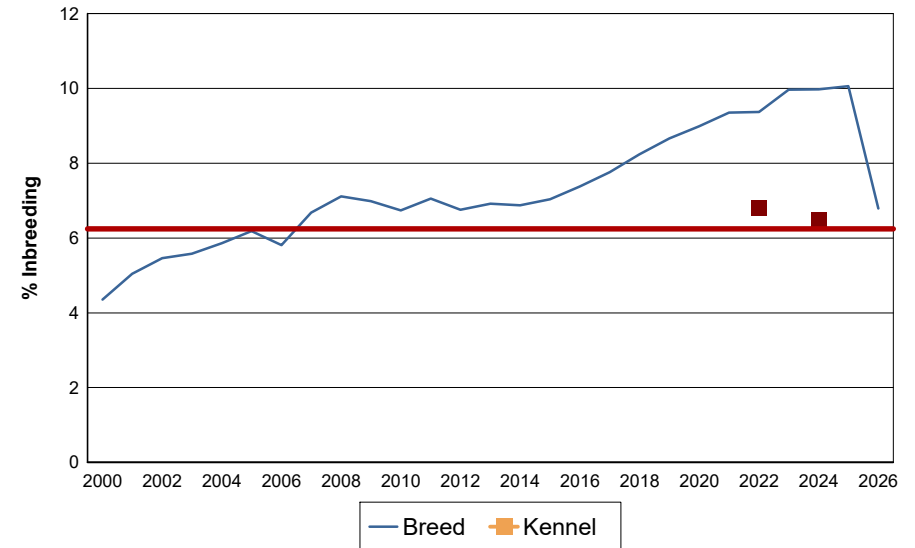
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

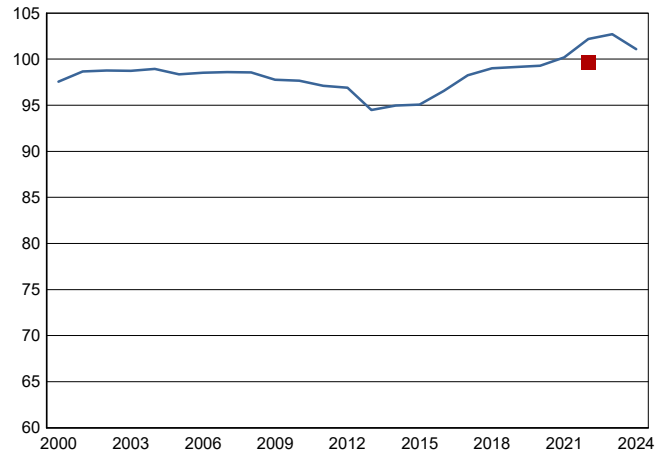


Inbreeding Levels

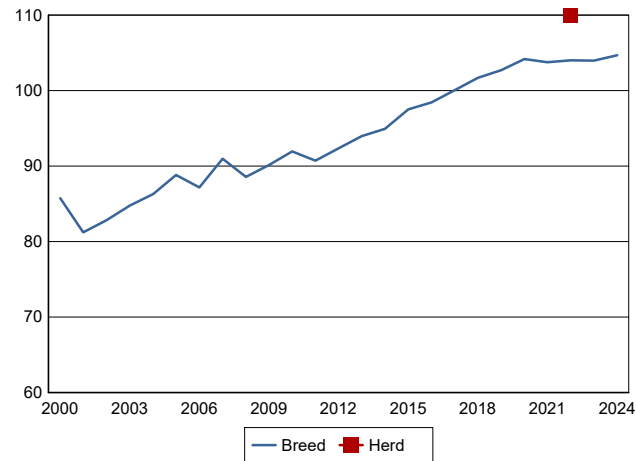
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	9	49007	3	25141	6	23857	5	3371	4	6287
Average Inbreeding	7.06	8.49	7.19	8.46	7.00	8.53	11.02	8.01	9.57	8.00
Number inbred	9	48727	3	24990	6	23728	5	24990	4	23728
Number >6.25% Inbr.	9	30600	3	15537	6	15058	4	15537	3	15058

Genetic Trends

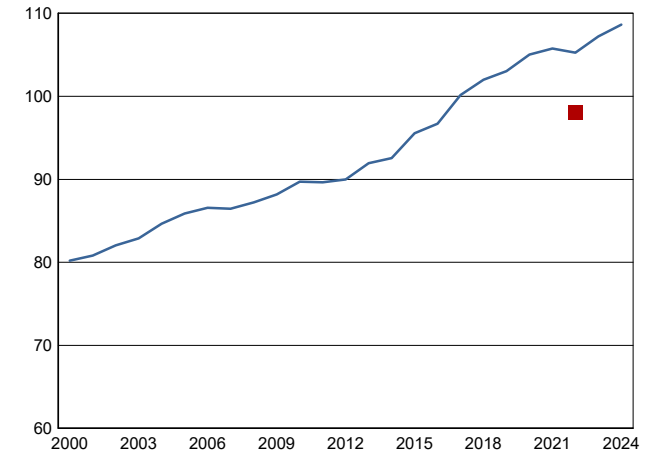
Litter Size



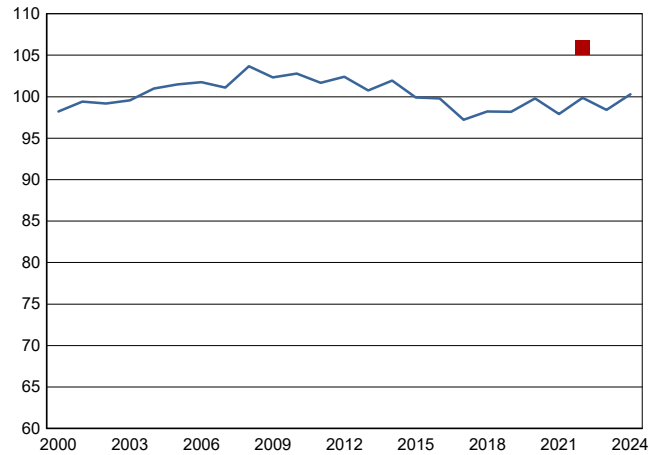
Movement



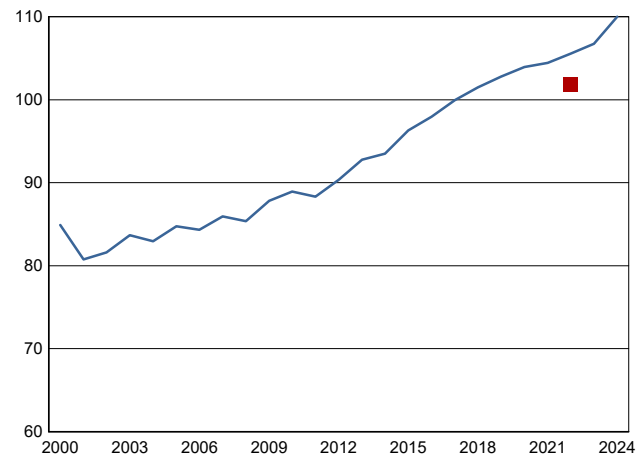
Temperament



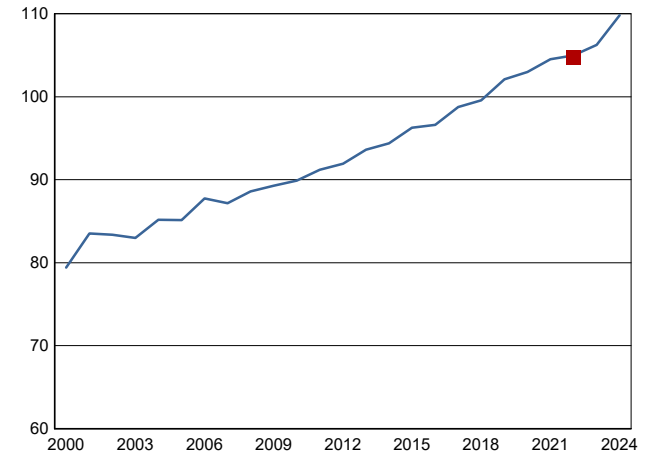
Coat



General Appearance

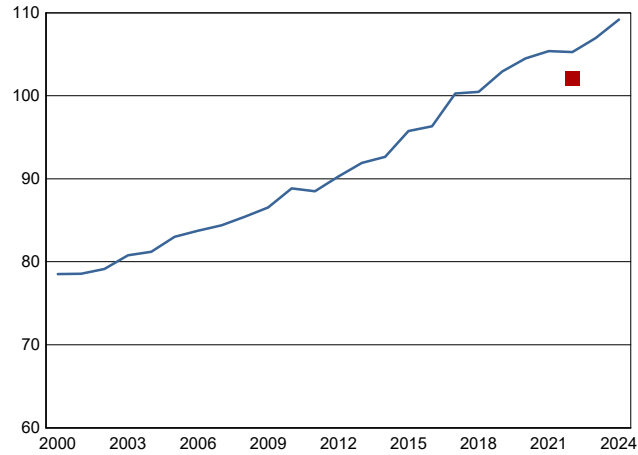


Head & Face

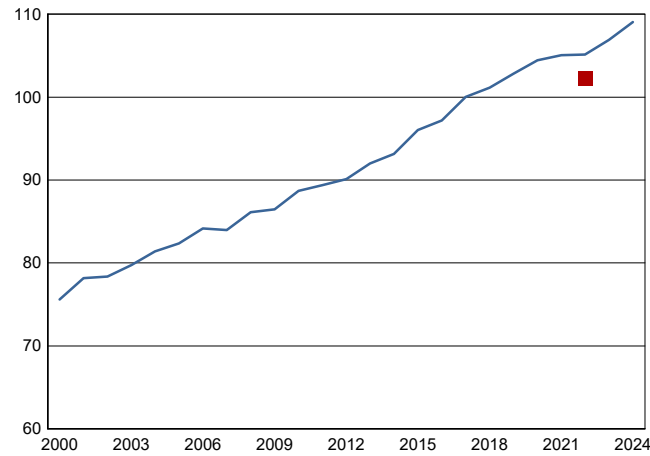


Genetic Trends

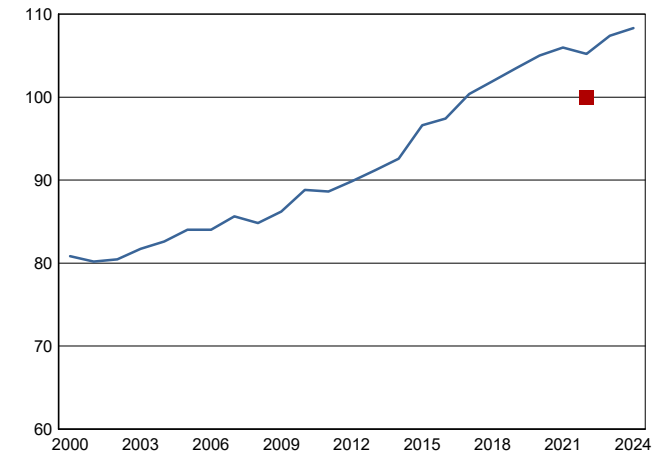
Front Quarter



Centre

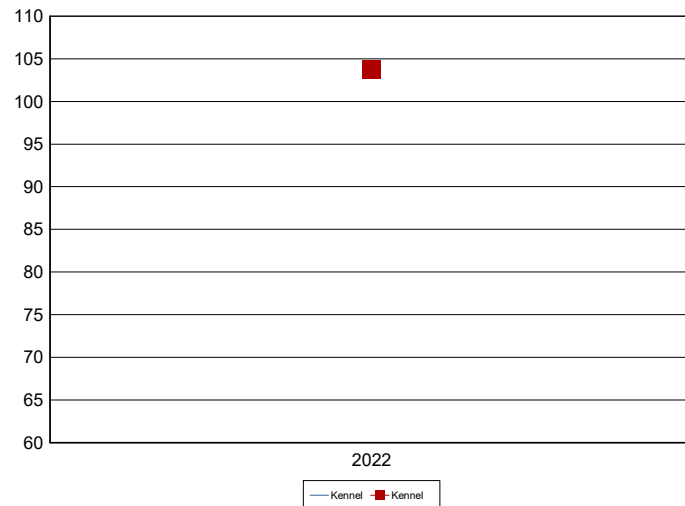


Hind Quarter

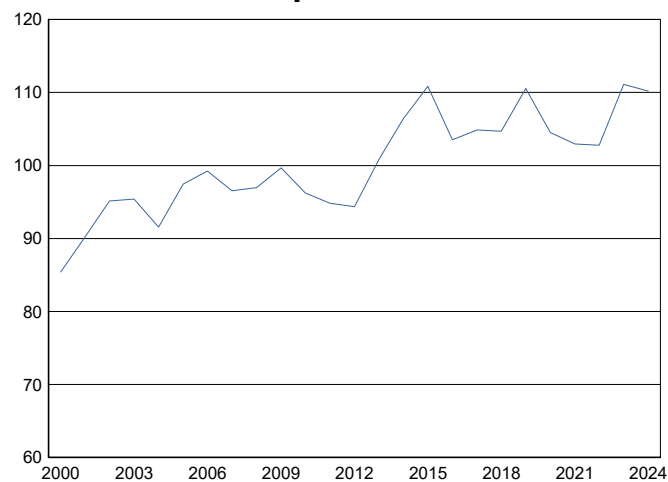


Final Score & Health Traits

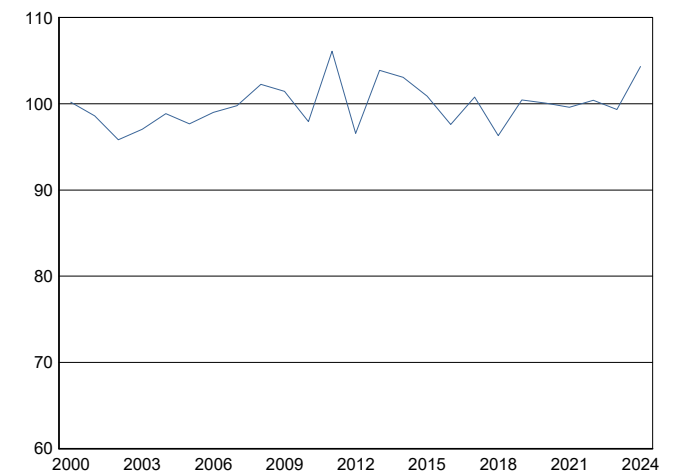
Final Score



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	
BOSTU OBAMA		BOSTU DADDY COOL	8.31	76	64	122	102	122	100	127	110	98	114	116	115	2	1				
	2021	AFRIKA ZUZKA		24	39	36	50	32	58	50	57	50	52	53	56						
JAYNIEL RAGNA		ARMANDUS OLUWA THANOS	6.79	104	84	100	110	98	106	102	105	102	102	100	104						
	2022	TEMISWIFT BAMBAM IYA-GEORGIA		5	5	11	37	6	52	36	51	38	40	42	47						
JAYNIEL BOYTJIE		WOEKER BBD BOI'TJIE	6.48	103	95	85	114	110	106	115	117	113	112	109	116						
	2024	TEMISWIFT BAMBAM IYA-GEORGIA		5	5	5	27	5	40	26	39	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 Progeny Litters	Appraisal Progeny Kennels	Health Hips Elbows	Progeny with litters
TEMISWIFT BAMBAM IYA-GEORGIA	2020	SKYVISION GEORGIA	6.73	96	95	83	102	94	103	105	103	102	100	101	102	11	3	1	
		STEGO MUNA		5	5	28	41	12	53	40	53	42	44	46	49		1		
FRANK IRENE CRUELLA DE VIL	2022	PAMPOENKRAAL APOCALYPSE	9.33	114	96	98	94	109	99	114	118	108	104	110	112				
		SWANICS SANA		5	5	5	43	8	60	43	59	44	47	49	54				
JAYNIEL FRIGG	2024	WOEKER BBD BOI TJIE	6.48	103	95	85	114	110	106	115	117	113	112	109	116				
		TEMISWIFT BAMBAM IYA-GEORGIA		5	5	5	27	5	40	26	39	28	30	32	36				
JAYNIEL LUCIA	2024	WOEKER BBD BOI TJIE	6.48	103	95	85	114	110	106	115	117	113	112	109	116				
		TEMISWIFT BAMBAM IYA-GEORGIA		5	5	5	27	5	40	26	39	28	30	32	36				
JAYNIEL BELLA	2024	WOEKER BBD BOI TJIE	6.48	103	95	85	114	110	106	115	117	113	112	109	116				
		TEMISWIFT BAMBAM IYA-GEORGIA		5	5	5	27	5	40	26	39	28	30	32	36				
JAYNIEL MOLLY	2024	WOEKER BBD BOI TJIE	6.48	103	95	85	114	110	106	115	117	113	112	109	116				
		TEMISWIFT BAMBAM IYA-GEORGIA		5	5	5	27	5	40	26	39	28	30	32	36				

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	
SKYVISION GEORGIA	2017	GIANTS OF AFRICA HADES	4.44	97	87	77	107	94	111	106	113	107	110	116	113	89 18	37			22
		LOWEN KLEIN WITWAL SAARTJIE		5	5	44	65	40	79	65	78	66	68	70	75					
BOSTU DADDY COOL	2018	MES BITE A BULLET	7.38	61	87	117	95	117	99	139	112	91	119	114	115	197 28	69	16	16	43
		MES SHAKIRA		52	66	60	83	64	91	82	90	83	85	86	88					
WOEKER BBD BOI'TJIE	2020	WOEKER BBD WOEKER	22.17	110	95	87	126	126	109	125	130	124	123	117	130	14 3	1			
		WOEKER BBD BELLA 5		5	5	14	52	18	68	51	67	53	55	58	63					
ARMANDUS OLUWA THANOS	2020	MES RUBENSTEIN	11.16	111	73	116	119	111	108	104	107	106	108	111	112	18 3	7			1
		LOMBARD SUPERIOR ALASKA		8	25	36	53	36	62	53	61	54	55	56	59					
PAMPOENKRAAL APOCALYPSE	2020	MIDDELPOS BBD BRUCE ALMIGHTY	9.95	118	96	108	91	117	116	125	133	120	112	114	125	63 6	16			3
		KLEIN SANDFONTEIN LISA MARI		5	9	23	61	33	76	61	76	62	64	67	72					

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	
STEGO MUNA	2017	GIANTS OF AFRICA STONE COLD	6.15	94	102	104	96	99	94	107	93	98	93	93	93	29	1	11 10			11 1
		ROKAFELA STORM		5	5	26	53	27	68	52	67	54	56	59	63						
AFRIKA ZUZKA	2019	MES RUBENSTEIN	18.06	91	41	126	109	126	100	115	108	105	108	119	114	24	4	9 6	3	3	6 1
		ZUKANDI ZOE		45	62	59	63	42	75	63	75	64	66	68	71						
TEMISWIFT BAMBAM IYA-GEORGIA	2020	SKYVISION GEORGIA	6.73	96	95	83	102	94	103	105	103	102	100	101	102	11	3	1 1			
		STEGO MUNA		5	5	28	41	12	53	40	53	42	44	46	49						
SWANICS SANA	2020	MASTERS EXQUISITE THANOS	7.36	109	96	89	96	91	84	98	103	92	92	94	94	20	4	8 7			2 1
		PLAASWAG CELINE		5	5	15	55	23	72	54	71	56	58	61	67						

