

Boerboel Genetic Evaluation

SA Stud Book

February 2026

MR O. ABRAMS

ERF 572 PORTION OF THE 11
THE WATTLES, AMAHLATHI
STUTTERHEIM
4930



Kennel Number: 664547



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.

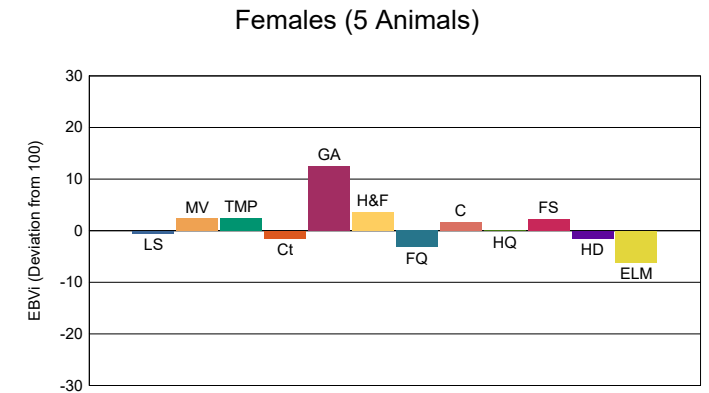
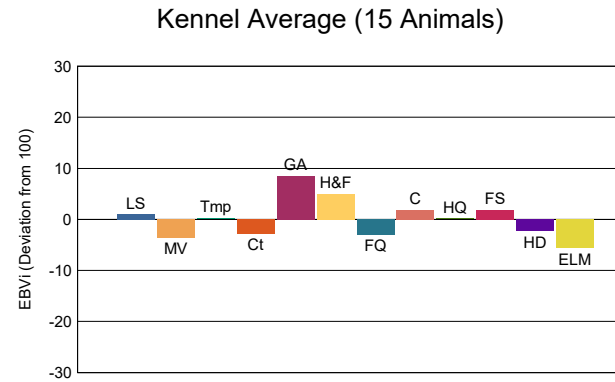
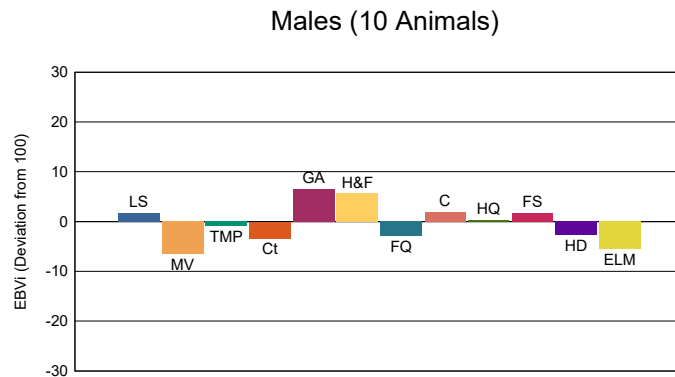
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	101	102	99
Movement (Mv)	96	93	102
Temperament (Tmp)	100	99	102
Coat (Ct)	97	97	99
General Appearance	109	107	113
Head & Face (H&F)	105	106	104
Front Quarter (FQ)	97	97	97
Centre (C)	102	102	102
Hind Quarter (HQ)	100	100	100
Final Score (FS)	102	102	102
Hip Health (HH)	98	97	98
Elbow Health (ELM)	94	95	94

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.

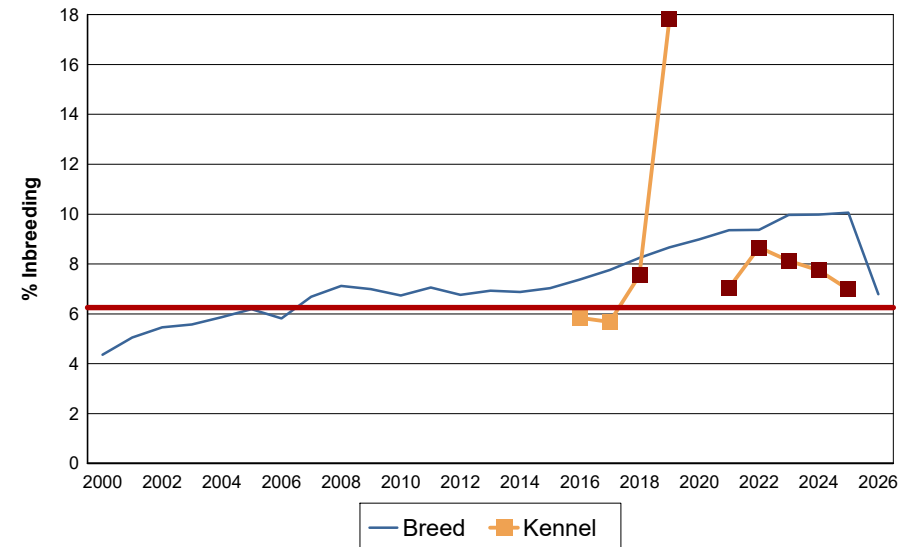
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

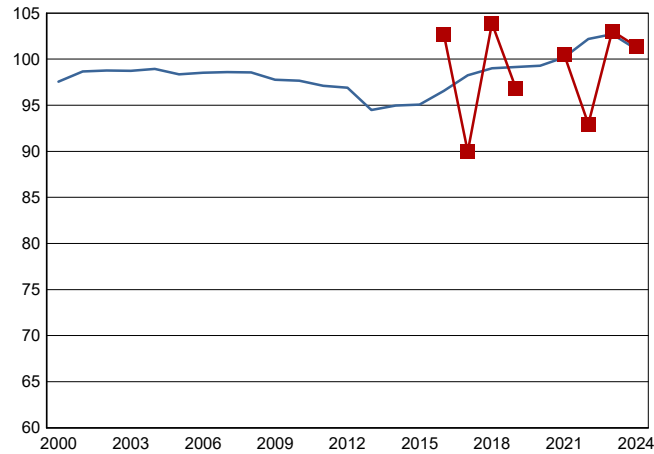


Inbreeding Levels

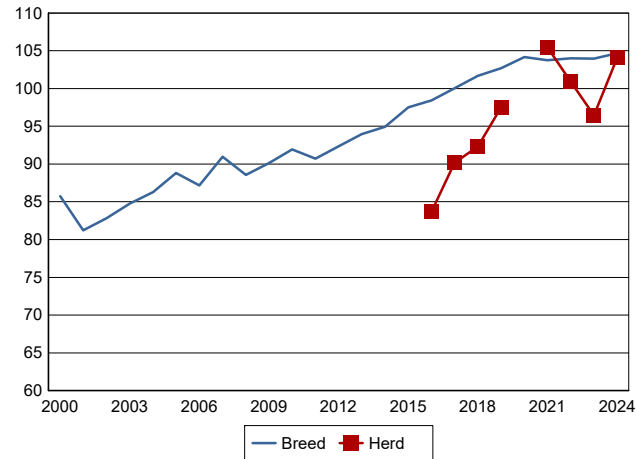
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	15	49007	10	25141	5	23857	10	3371	8	6287
Average Inbreeding	8.19	8.49	8.97	8.46	6.63	8.53	7.21	8.01	9.68	8.00
Number inbred	15	48727	10	24990	5	23728	10	24990	8	23728
Number >6.25% Inbr.	9	30600	7	15537	2	15058	5	15537	5	15058

Genetic Trends

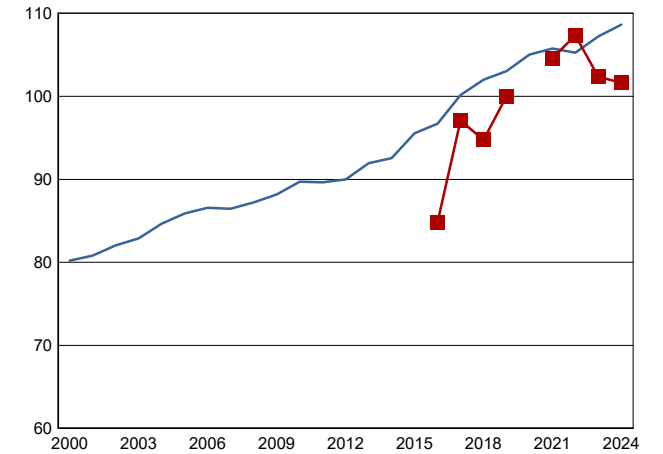
Litter Size



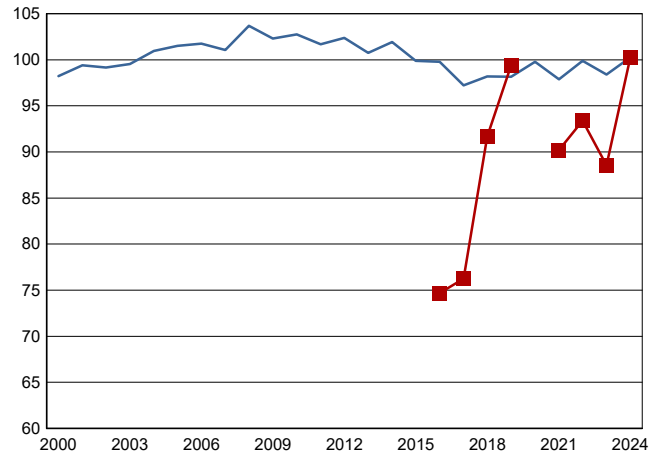
Movement



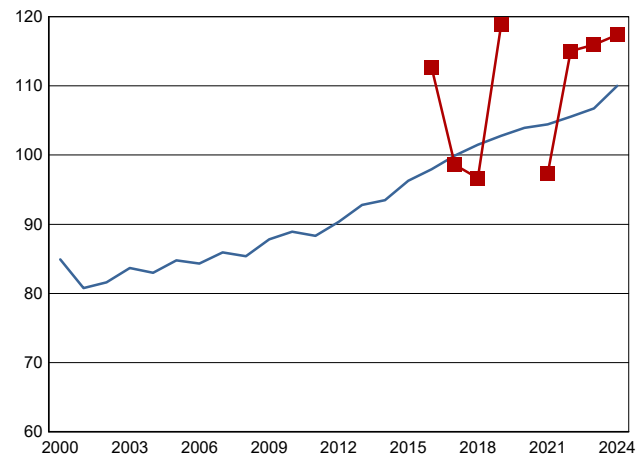
Temperament



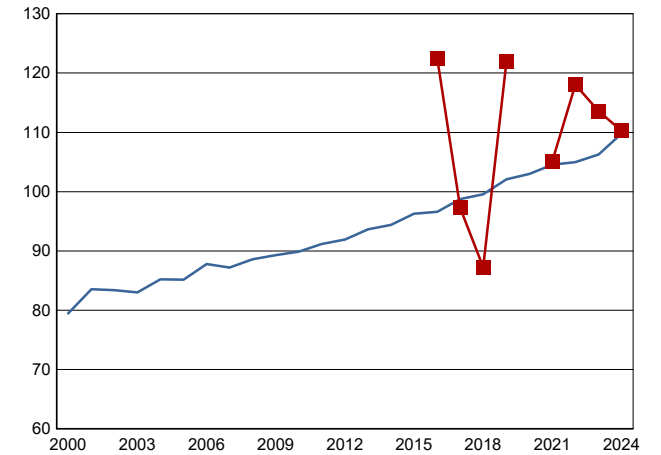
Coat



General Appearance

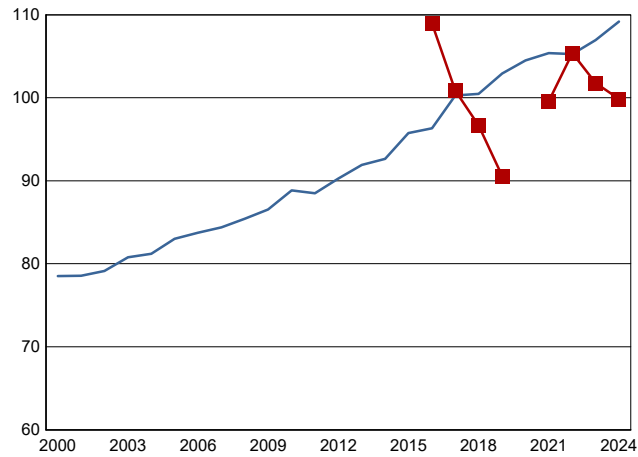


Head & Face

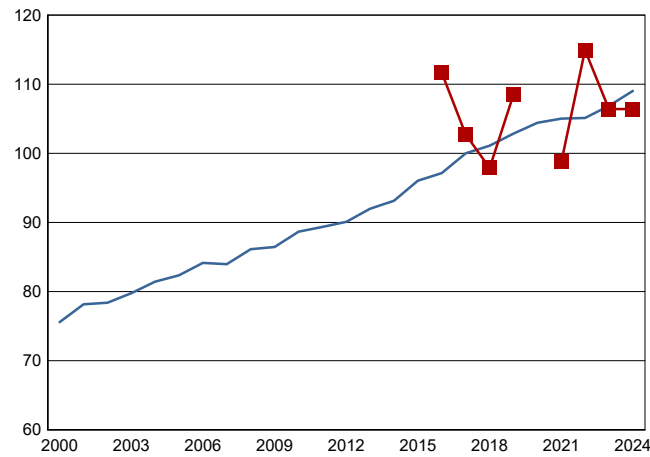


Genetic Trends

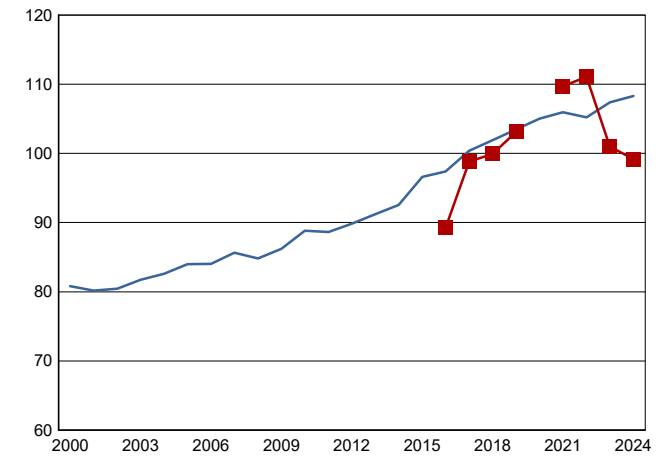
Front Quarter



Centre

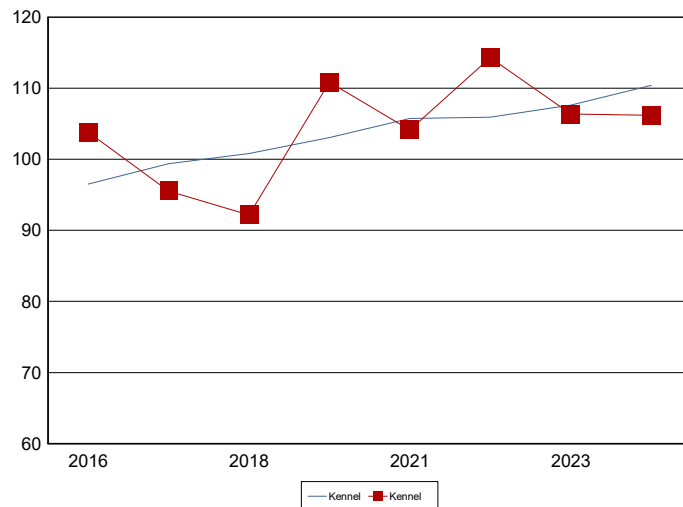


Hind Quarter

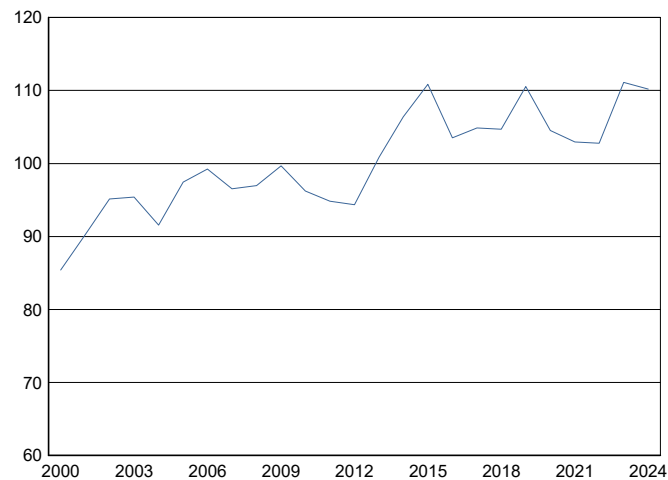


Final Score & Health Traits

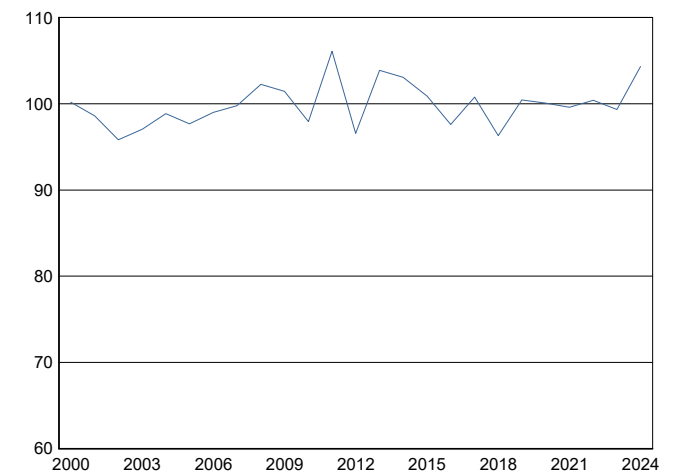
Final Score



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	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	
KLEIN SANDFONTEIN PACMAN	2020	KLEIN SANDFONTEIN THE MACK ATTACK	13.98	90	76	135	110	110	100	113	98	110	117	114	110						
		KLEIN SANDFONTEIN MIA 9		5	5	24	48	19	65	48	64	49	52	54	59						
HORIZON KONING GOG	2022	RAINAISANCE BULLETJIE	8.22	102	100	103	122	121	113	122	123	114	113	119	124	18	4	3			1
		MASTERMINDS ROYAL		5	5	5	51	14	70	49	69	52	55	58	64						
GATEKEEPER THE MACHINE	2022	EKVONSALIES DYNAMIC	5.69	96	93	93	78	92	62	104	104	92	107	98	95	10	3	1			
		GATEKEEPER BELLA		5	5	5	48	18	65	47	64	49	51	54	60						
GATEKEEPER DIOR	2023	LEGRA MADALA	8.86	100	107	87	83	83	108	85	103	98	91	95	95	7	1				
		KADIMA GANGAA		5	5	5	44	5	64	44	62	45	48	51	57						
GATEKEEPER CHARMER	2024	GATEKEEPER ZILLA THE GORILLA	6.08	96	93	102	81		100	115	114	86	89	78	93						
		MILLERS TOSCA LEE		5	5	5	44		63	42	62	45	47	50	57						
GATEKEEPER THE HAKA	2024	GATEKEEPER ZILLA THE GORILLA	13.39	93	95	101	100	95	111	100	100	90	101	101	100						
		ZKR CIRILLA		5	5	5	28	5	45	27	44	29	32	35	40						
GATEKEEPER MUFASA	2024	GATEKEEPER THE MACHINE	6.09	98	90	96	87	98	75	113	106	93	105	97	98						
		MILLERS TOSCA LEE		5	5	5	29	5	44	27	43	30	32	35	39						
GATEKEEPER STONE COLD	2025	GATEKEEPER THE MACHINE	13.00	94	92	95	86	93	84	93	94	85	100	101	93						
		ZKR CIRILLA		5	5	5	24	5	42	24	41	26	28	31	36						
GATEKEEPER KLEIN BAAS	2025	ICARNICKY THE GIFT DIK FRIK	7.20	101	100	102	95	107	107			101	99								
		HORIZON WINTER		5	5	5	21	5	38		37	22	25	28	33						

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	
GATEKEEPER ZULU	ICARNICKY THE GIFT DIK FRIK		7.20	101	100	102	95	107	107			101	99							
	2025	HORIZON WINTER		5	5	5	21	5	38		37	22	25	28	33					

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
MILLERS TOSCA LEE	2021	ZKR BROCK	8.46	100	87	99	96	105	89	122	108	95	102	95	102	22	4	8			2
		RAINAISANCE RENA		5	5	5	49	16	65	46	64	50	52	55	60			6			1
HORIZON WINTER	2021	BRIEL THE GHOST	7.72	98	104	107	117	108	124	107	104	103	100	107	109	18	3	2			
		MASTERMINDS ROYAL		5	5	5	41	5	56	40	55	42	44	47	52			2			
GATEKEEPER SARAFINA	2024	GATEKEEPER ZILLA THE GORILLA	6.08	96	93	102	114	106	100	119	104	99	109	102	106						
		MILLERS TOSCA LEE		5	5	5	43	5	62	41	61	44	47	50	56						
GATEKEEPER TATJANA	2024	GATEKEEPER THE MACHINE	6.09	98	90	96	95	100	81	112	96	91	102	100	96						
		MILLERS TOSCA LEE		5	5	5	41	5	61	39	59	42	44	48	54						
GATEKEEPER PIPPA	2025	GATEKEEPER DIOR	4.80	100	97	93	89	94	99	103	106	97	96	95	98						
		MILLERS TOSCA LEE		5	5	5	26	5	42	24	41	27	29	32	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	
KLEIN SANDFONTEIN THE MACK ATTACK	2018	KLEIN SANDFONTEIN HUEY	7.82	91	54	132	112	121	97	123	119	119	120	114	121	84	11	15	1	1
		KLEIN SANDFONTEIN PIPER		27	41	44	64	41	78	63	77	65	67	69	73					
ZKR BROCK	2018	PENINSULA PLAYBOY	5.90	102	82	94	96	109	113	133	113	97	110	100	110	89	9	17		12
		MIDDELPOS BBD SERABIE		5	5	16	60	30	76	58	75	61	63	66	71					
RAINAISANCE BULLETJIE	2019	MARANATA BBD RAMBO	5.94	100	100	111	112	107	113	113	119	108	112	111	117	6	2	5		4
		RAINAISANCE PRIYA		5	5	17	56	26	72	55	71	57	59	62	67					
EKVONSALIES DYNAMIC	2019	DUMAS BIG DEAL	4.80	98	97	90	70	91	63	87	104	95	100	99	94	49	9	13		4
		GATEKEEPER SASHA		5	5	5	59	31	75	58	74	60	62	65	70					
BRIEL THE GHOST	2020	WIESENHOF MENEER	4.99	91	107	114	103	96	129	107	107	104	108	96	107	93	16	21		14
		ALESSANDRO BELLA		5	5	26	65	36	80	63	79	66	68	71	76					
LEGRA MADALA	2021	LEGRA SPOOK	9.73	101	111	88	82	83	81	71	103	101	78	86	87	9	2	2		1
		MIDDELPOS BBD ROZAY		5	5	5	52	17	69	51	68	53	55	58	63					
GATEKEEPER THE MACHINE	2022	EKVONSALIES DYNAMIC	5.69	96	93	93	78	92	62	104	104	92	107	98	95	10	3	1		
		GATEKEEPER BELLA		5	5	5	48	18	65	47	64	49	51	54	60					
ICARNICKY THE GIFT DIK FRIK	2023	KUSELA NARLY	12.10	105	97	98	73	105	89	113	111	100	97	93	100	14	2			
		MAMPIES ARORA		5	5	5	40	5	60	39	59	41	44	47	53					
GATEKEEPER ZILLA THE GORILLA	2023	BRIEL THE GHOST	6.26	93	98		105	97	116	118	115	101	111	99	110	32	6	6		
		GATEKEEPER BELLA		5	5		54	24	71	52	70	55	57	60	65					
GATEKEEPER DIOR	2023	LEGRA MADALA	8.86	100	107	87	83	83	108	85	103	98	91	95	95	7	1			
		KADIMA GANGAA		5	5	5	44	5	64	44	62	45	48	51	57					

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-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
KLEIN SANDFONTEIN MIA 9	2018	KLEIN SANDFONTEIN MATANA	5.55	89	99	139	93	90	98	100	82	97	111	111	97	40	4	6	1	1	3
		KLEIN SANDFONTEIN MARTHELLA		24	37	55	60	38	74	59	73	61	63	65	69			5			2
KADIMA GANGAA	2019	KADIMA DUX	5.59	100	103	86	99	90	109	96	100	94	103	111	103	15	2	4			3
		BREKER KALASHNIKOV		5	5	30	54	26	69	53	68	54	57	59	64			4			2
GATEKEEPER BELLA	2019	KAMMO BBD VEKTOR	17.82	94	89	95	98	97	94	120	120	90	108	102	109	8	2	4			4
		BRAAMBOS SARAFINA		5	5	29	58	30	73	57	72	59	61	63	68			4			1
RAINAISANCE RENA	2019	RAINAISANCE ROMEO	6.43	98	92	95	97	96	96	101	101	94	93	87	94	13		1			2
		MIDDELPOS BBD FIELA		5	5	26	54	27	69	53	68	55	57	60	64			1			1
MASTERMINDS ROYAL	2020	LOTTER SUPERMAN	19.73	105	100	96	129	122	114	113	108	107	97	116	114	18	5	7			7
		MASTERMINDS BELLA		5	5	5	48	5	68	46	67	49	52	56	62			6			1
MILLERS TOSCA LEE	2021	ZKR BROCK	8.46	100	87	99	96	105	89	122	108	95	102	95	102	22	4	8			2
		RAINAISANCE RENA		5	5	5	49	16	65	46	64	50	52	55	60			6			1
ZKR CIRILLA	2021	CBR BLACK MAGIC	6.16	92	91		94	94	105	82	85	79	92	104	91	19	3	2			
		GATEKEEPER NADIA JAFTER		5	5		49	19	66	48	65	50	52	55	60			2			
HORIZON WINTER	2021	BRIEL THE GHOST	7.72	98	104	107	117	108	124	107	104	103	100	107	109	18	3	2			
		MASTERMINDS ROYAL		5	5	5	41	5	56	40	55	42	44	47	52			2			

