

Boerboel Genetic Evaluation

SA Stud Book

February 2026

0 0 MR J & A TURNER

3750 C.R. 68

DOTHAN,AL

36305, USA

0



Kennel Number: 611855



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.

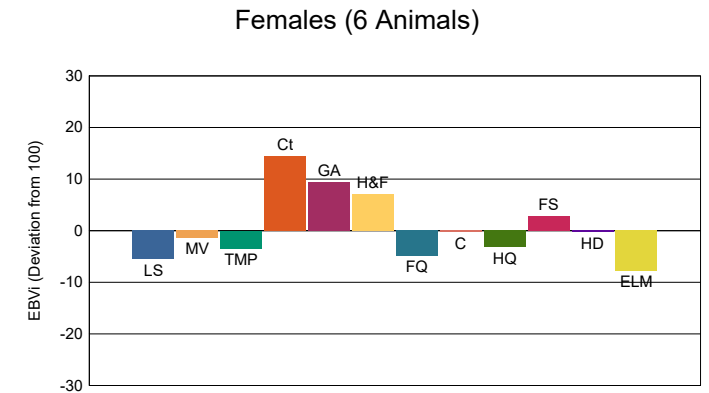
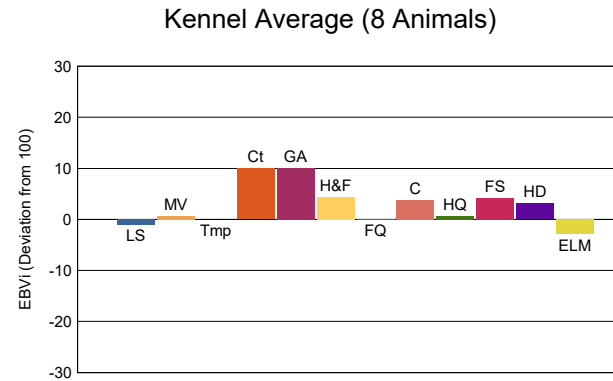
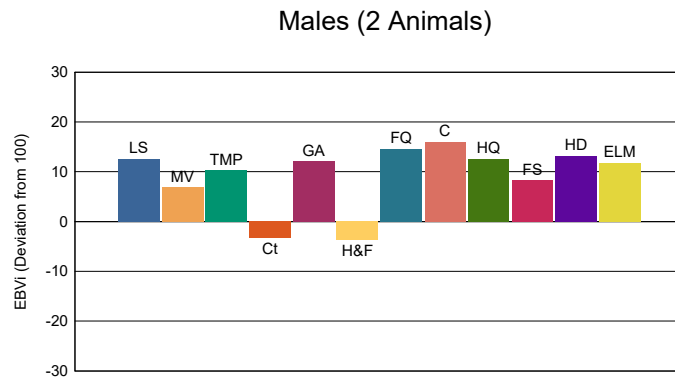
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	99	113	95
Movement (Mv)	101	107	99
Temperament (Tmp)	100	110	97
Coat (Ct)	110	97	114
General Appearance	110	112	109
Head & Face (H&F)	104	96	107
Front Quarter (FQ)	100	115	95
Centre (C)	104	116	100
Hind Quarter (HQ)	101	113	97
Final Score (FS)	104	108	103
Hip Health (HH)	103	113	100
Elbow Health (ELM)	97	112	92

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.

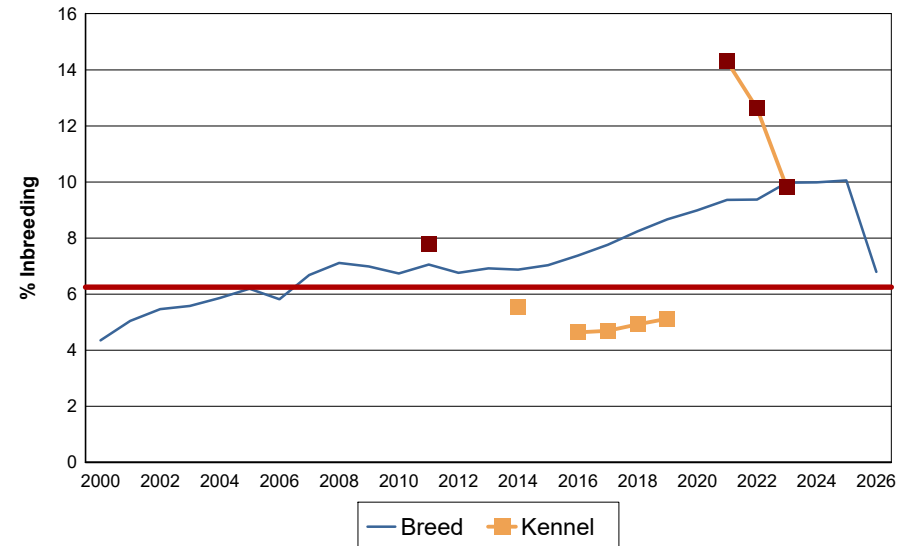
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

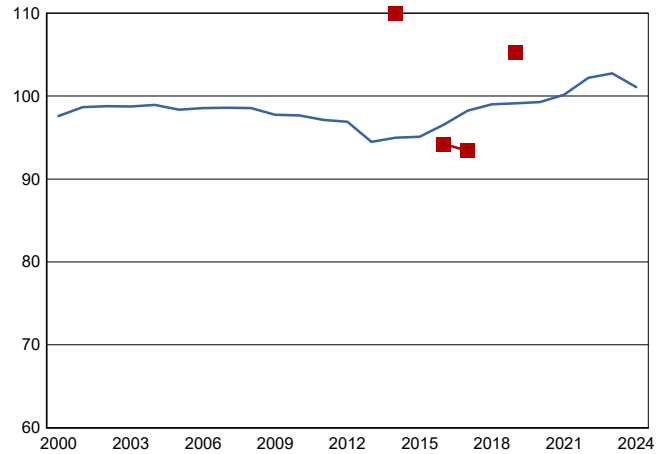


Inbreeding Levels

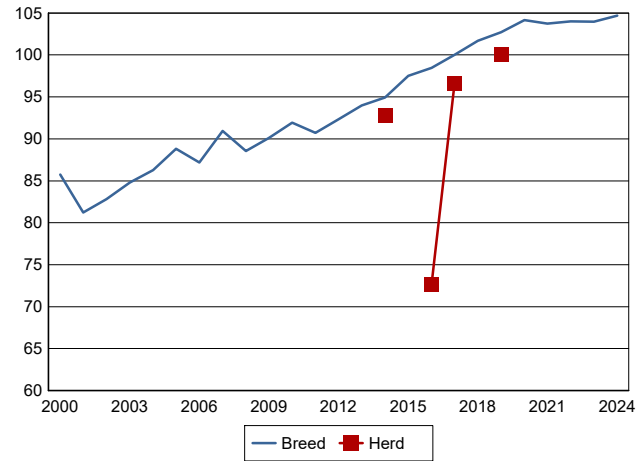
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	8	49007	2	25141	6	23857	6	3371	7	6287
Average Inbreeding	9.93	8.49	8.60	8.46	10.37	8.53	5.90	8.01	7.13	8.00
Number inbred	8	48727	2	24990	6	23728	6	24990	7	23728
Number >6.25% Inbr.	4	30600	1	15537	3	15058	2	15537	4	15058

Genetic Trends

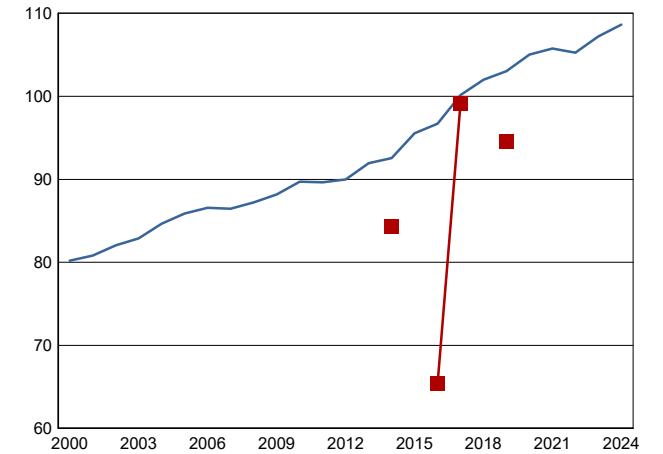
Litter Size



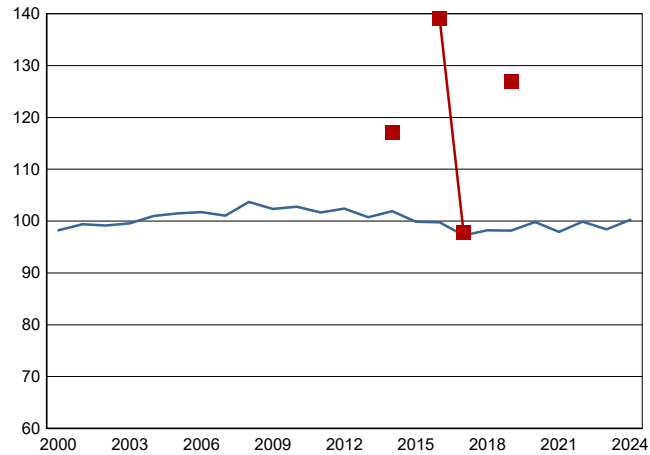
Movement



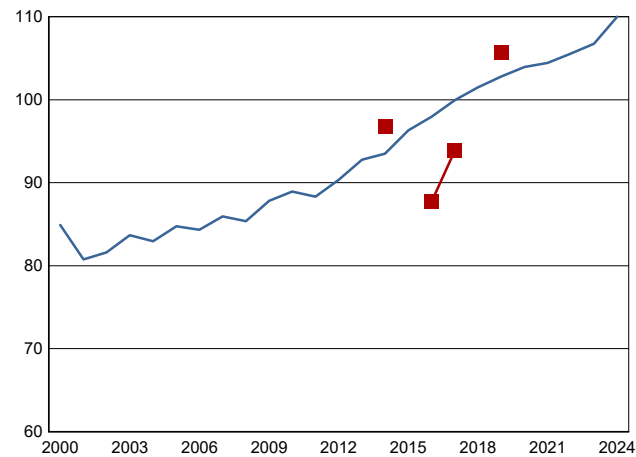
Temperament



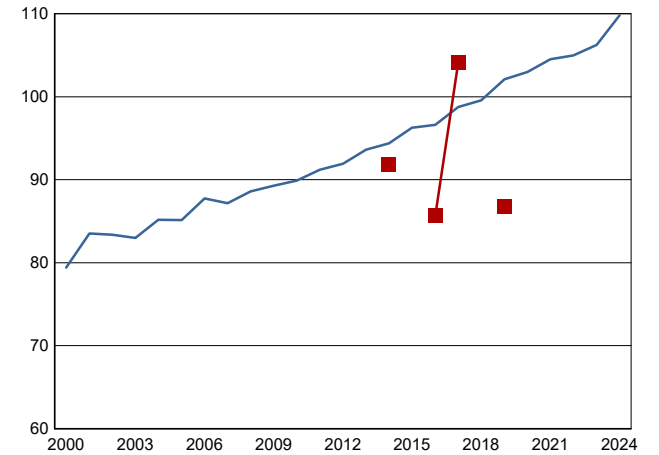
Coat



General Appearance

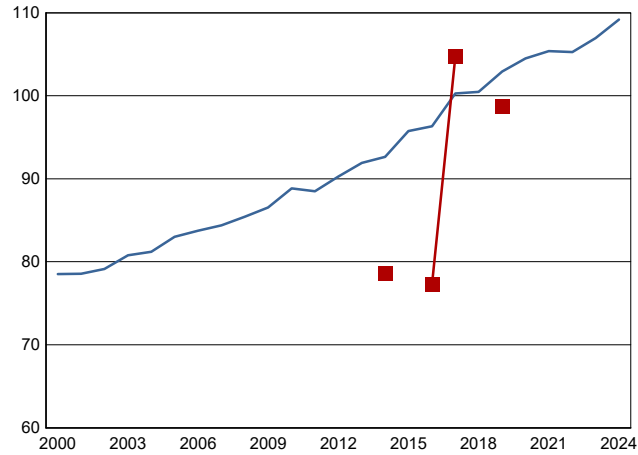


Head & Face

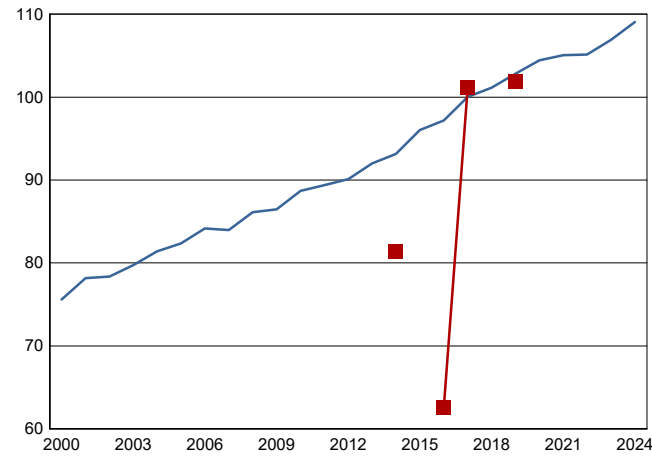


Genetic Trends

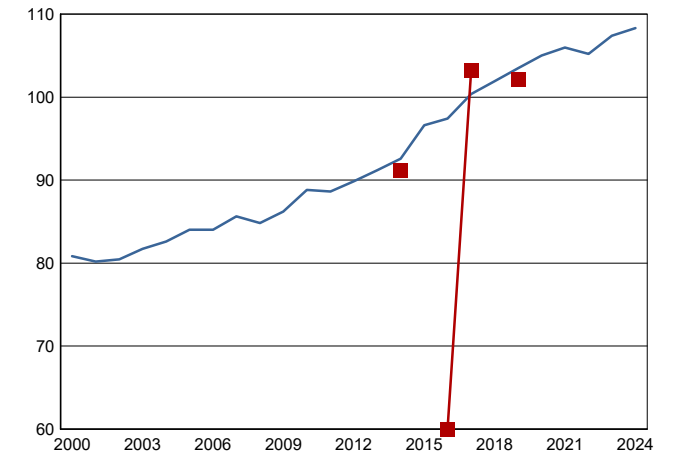
Front Quarter



Centre

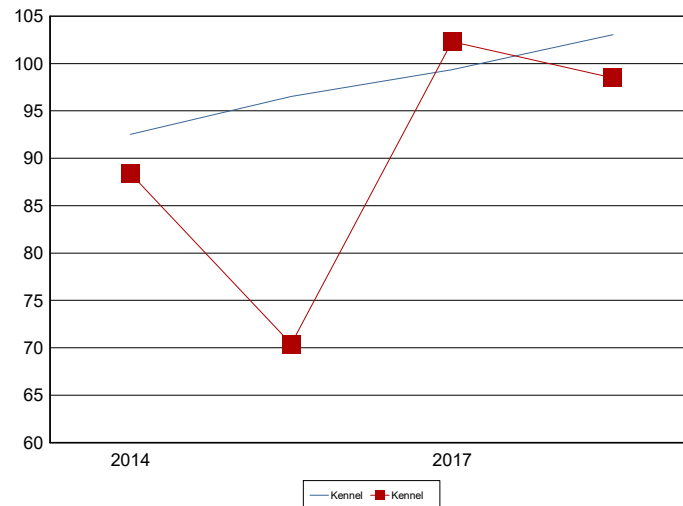


Hind Quarter

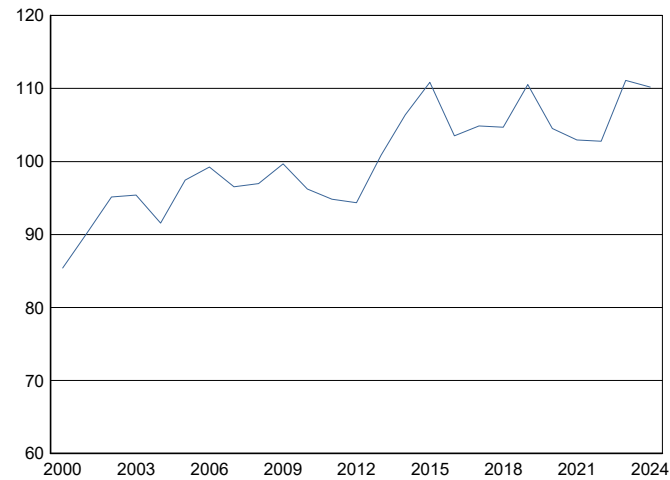


Final Score & Health Traits

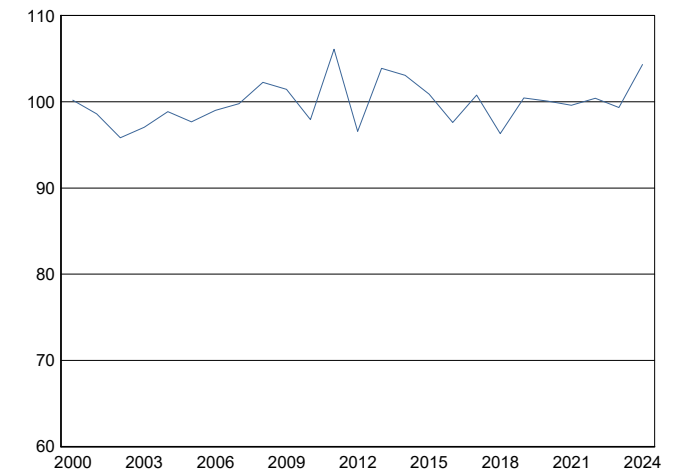
Final Score



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	
KLEIN SANDFONTEIN FRANKIE	2018	KLEIN SANDFONTEIN MATANA	5.55	97	99	117	109	110	108	112	82	112	124	124	109	20	8	6			4
		KLEIN SANDFONTEIN MARTHELLA		19	31	40	58	37	71	57	70	58	60	62	67			4			2
CLASENS MAJESTIC ARCHIE	2022	BLACK IRON KEEPER	11.66	130	125	108	105	110	85	112	110	118	108	101	108						
		KLEIN SANDFONTEIN LIZA		5	5	17	31	5	43	31	42	32	34	36	39						

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	
HIDDEN CREEK ALICE		AFRIKA MARCOS	3.89	109	99	88	91	80	128	92	92	87	76	72	83						
	2016	BALKAN BAILEE		5	5	20	28	5	39	28	39	29	31	32	36						
SAASVELD SNAZZIE		ELEVATION OTTO	12.82	104	84	79	107	111	90	107	101	100	107	105	104	6	2				
	2019	ELEVATION TIA		5	5	28	51	27	66	51	65	52	54	57	61						
GATEKEEPER LADY LIBERTY		KAMMO BBD VEKTOR	17.82	94	89	99	93	96	97	119	133	90	104	95	111						
	2019	BRAAMBOS SARAFINA		5	5	22	53	25	67	52	67	54	56	58	63						
GATEKEEPER AMERICAN DREAM		KAMMO BBD VEKTOR	17.82	94	89	90	97	106	95	124	144	100	112	105	122	1	1				
	2019	BRAAMBOS SARAFINA		5	5	27	53	25	67	52	67	54	56	58	63						
HIDDEN CREEK STELLA		KLEIN SANDFONTEIN FRANKIE	4.68	103	99	103	104	102	130	110	97	110	110	111	109						
	2019	HIDDEN CREEK SADIE		5	5	14	40	12	58	39	57	41	43	46	52						
HIDDEN CREEK SARENA'S LIL KADEYA		KLEIN SANDFONTEIN FRANKIE	5.20	94	93	108	101	84	146	104	75	83	91	94	89						
	2019	HIDDEN CREEK SARENA		5	5	9	38	5	57	38	56	39	42	45	51						

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 MARCOS		PINNACLE BBD HAVOC	4.58	106	96	78	74	72	108	89	100	92	73	63	79	41	5	2			2
	2012	AFRIKA ROXSIE - ANNE		26	33	46	52	33	63	51	62	52	54	56	59			2			1
KLEIN SANDFONTEIN MATANA		GLANWYN MANDLA	4.90	93	121	103	94	95	96	104	86	103	125	112	102	73	11	19	3	3	17
	2013	KLEIN SANDFONTEIN ASARA		46	55	61	73	50	84	72	83	73	75	77	80			15			4
ELEVATION OTTO		GROENBERG BBD RAMBO	4.48	95	105	77	107	125	95	128	127	121	128	123	128	80	14	38	4	4	24
	2016	HAZENJACHT BBD FIELLA		46	59	60	78	60	87	78	86	79	80	81	84			31			10
KAMMO BBD VEKTOR		MES BITE A BULLET	7.47	96	81	96	102	101	105	121	118	91	105	110	112	17	2	11			10
	2016	ELEVATION KENNA		10	25	48	67	46	79	67	78	68	70	71	75			8			2
KLEIN SANDFONTEIN FRANKIE		KLEIN SANDFONTEIN MATANA	5.55	97	99	117	109	110	108	112	82	112	124	124	109	20	8	6			4
	2018	KLEIN SANDFONTEIN MARTHELLA		19	31	40	58	37	71	57	70	58	60	62	67			4			2
BLACK IRON KEEPER		KLEIN SANDFONTEIN JUDGE	8.42	131	121	102	104	111	77	105	107	121	104	90	101	70	10	18	3	4	9
	2020	MIDDELPOS BBD KERRIE		33	52	39	60	36	73	59	73	61	63	65	69			14			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-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
BALKAN BAILEE	2010	MIGHTY BBD MASON STORM	7.48		101	99	107	88	148	95	84	82	78	81	87	33	5	3	1	1	2
		BALKAN FIONA			9	28	39	15	52	39	51	40	42	44	48			3			2
HIDDEN CREEK SARENA	2011	PIET-ZYN-DRIFT ADOLF I	7.77	91	88	100	94	77	147	95	88	79	77	77	84	6	2	1			
		BALKAN KADEYA		5	5	5	18	5	36	17	35	19	22	25	30			1			
KLEIN SANDFONTEIN MARTHELLA	2014	GROENBERG BBD RAMBO	5.01	101	77	129	114	117	87	109	97	115	112	124	111	23	2	8			5
		KLEIN SANDFONTEIN KISSKA		41	53	59	65	49	77	65	76	66	68	69	73			7			2
HIDDEN CREEK SADIE	2016	AFRIKA MARCOS	3.89	109	99	88	92		133	95	96	91	80	77	88	1		1			
		BALKAN BAILEE		5	5	20	32		45	32	44	33	35	37	41			1			
BRAAMBOS SARAFINA	2016	MES BITE A BULLET	4.05	93	98	102	97	99	89	115	121	87	108	96	106	11	1	7			7
		BRAAMBOS KOLWYNTJIE		5	22	46	65	45	77	64	76	66	67	69	73			6			1
ELEVATION TIA	2016	SWELLENDAM KAROLUS	8.73	114	64	76	107	100	102	97	93	87	94	98	95	6	1	2			2
		ELEVATION MELISSA		5	22	39	54	27	70	53	69	55	57	59	64			2			1
KLEIN SANDFONTEIN LIZA	2020	KLEIN SANDFONTEIN NUTCRACKER	13.01	129	129	115	106	110	94	119	113	115	112	113	114	16	2	1			1
		KLEIN SANDFONTEIN BELLE		5	17	44	42	16	54	42	53	43	45	47	50			1			1

