

Boerboel Genetic Evaluation

SA Stud Book
February 2026

O O S & T HATTAS

18 LEICESTER CRESCENT
RONDEVLEI PARK
CAPE TOWN
7780



Kennel Number: 690271



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.

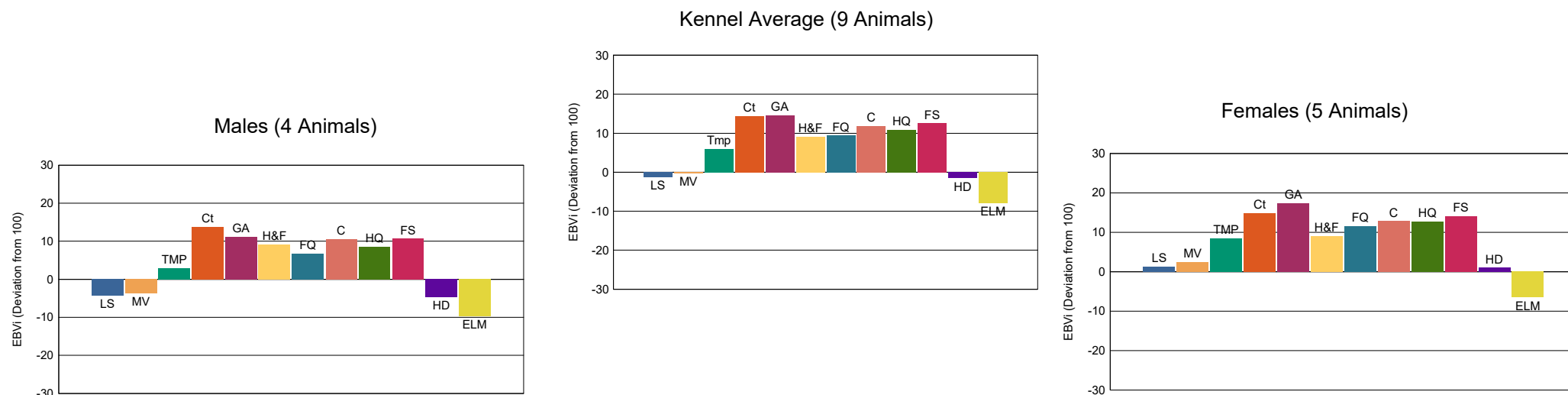
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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	96	101
Movement (Mv)	100	96	102
Temperament (Tmp)	106	103	108
Coat (Ct)	114	114	115
General Appearance	115	111	117
Head & Face (H&F)	109	109	109
Front Quarter (FQ)	109	107	112
Centre (C)	112	111	113
Hind Quarter (HQ)	111	109	113
Final Score (FS)	113	111	114
Hip Health (HH)	98	95	101
Elbow Health (ELM)	92	90	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.

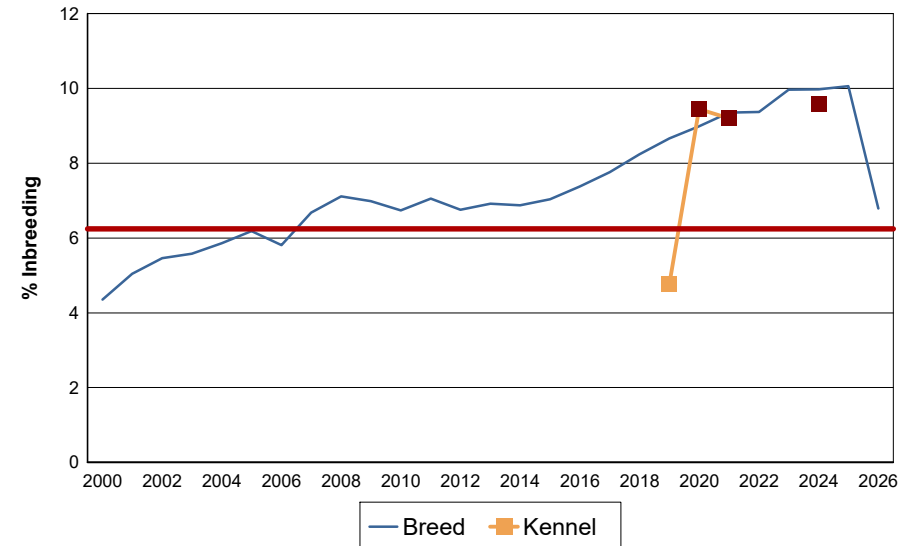
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

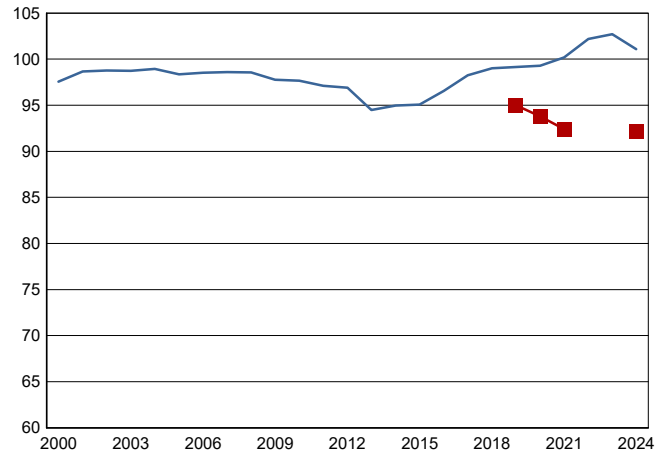


Inbreeding Levels

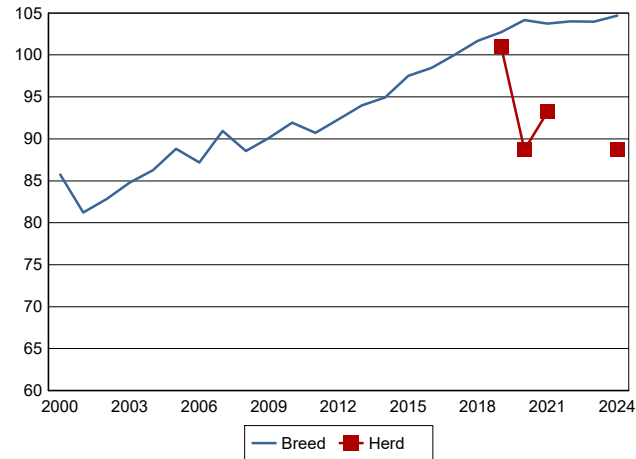
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	9	49007	4	25141	5	23857	5	3371	6	6287
Average Inbreeding	9.04	8.49	8.17	8.46	9.74	8.53	7.11	8.01	8.30	8.00
Number inbred	9	48727	4	24990	5	23728	5	24990	6	23728
Number >6.25% Inbr.	8	30600	3	15537	5	15058	2	15537	5	15058

Genetic Trends

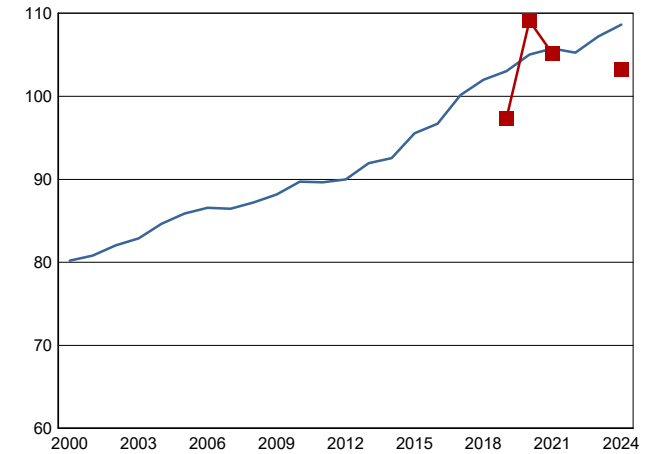
Litter Size



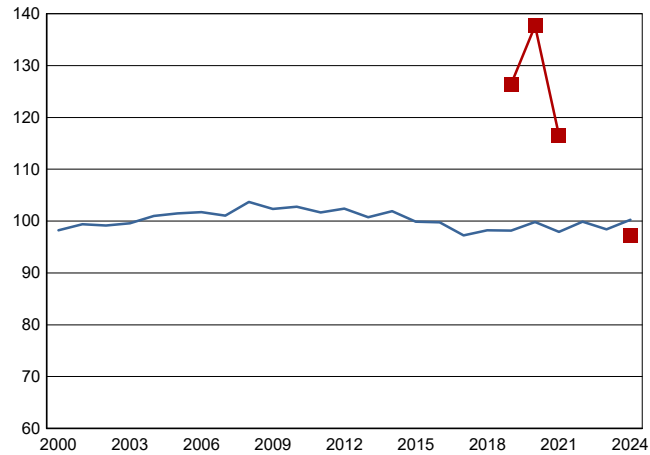
Movement



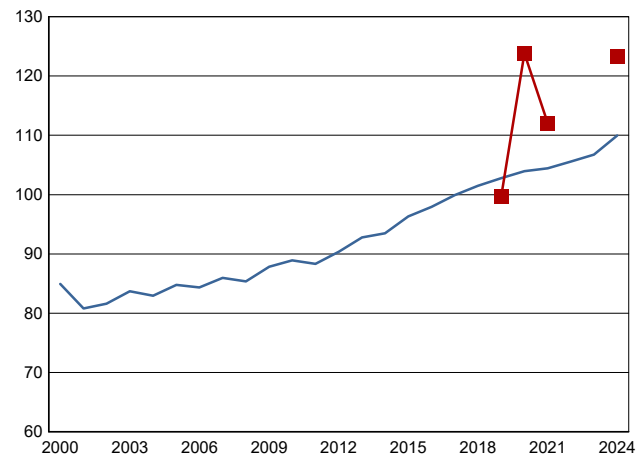
Temperament



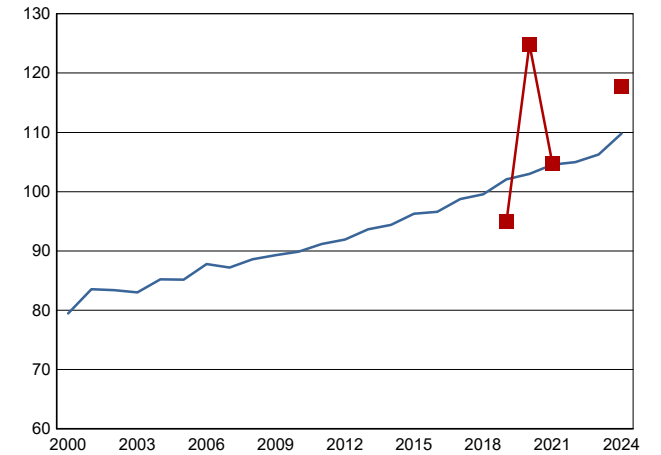
Coat



General Appearance

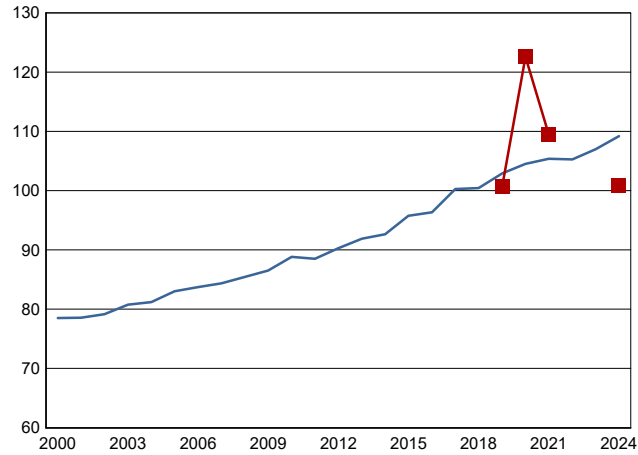


Head & Face

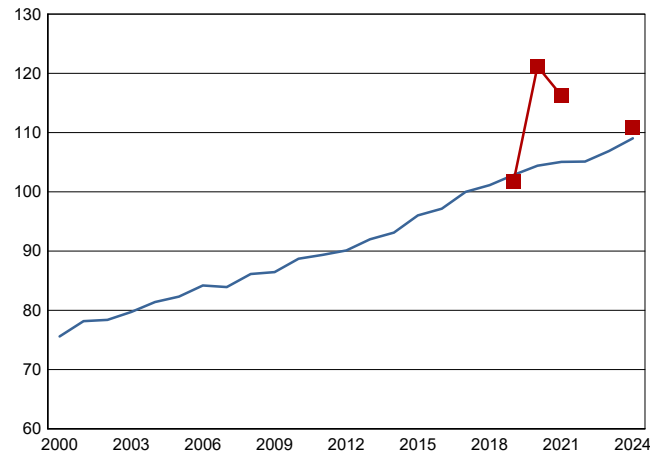


Genetic Trends

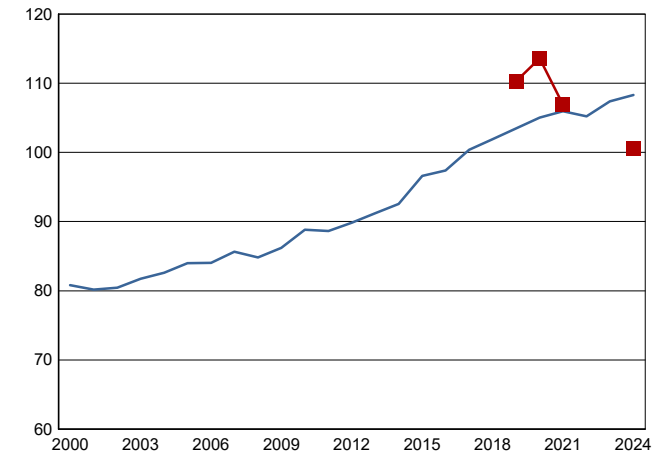
Front Quarter



Centre

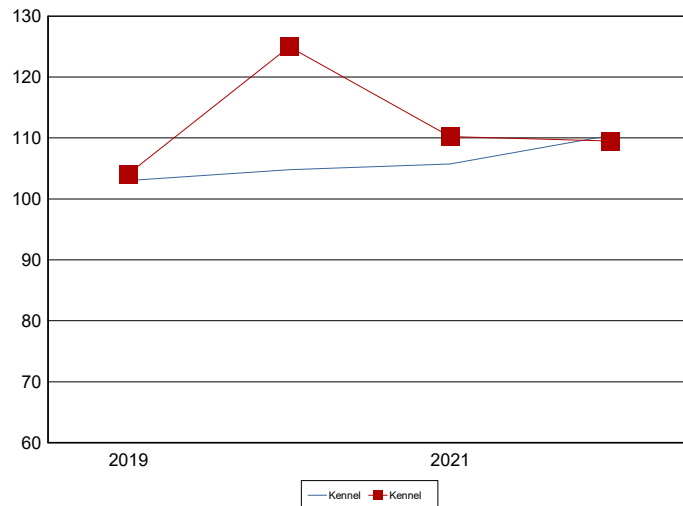


Hind Quarter

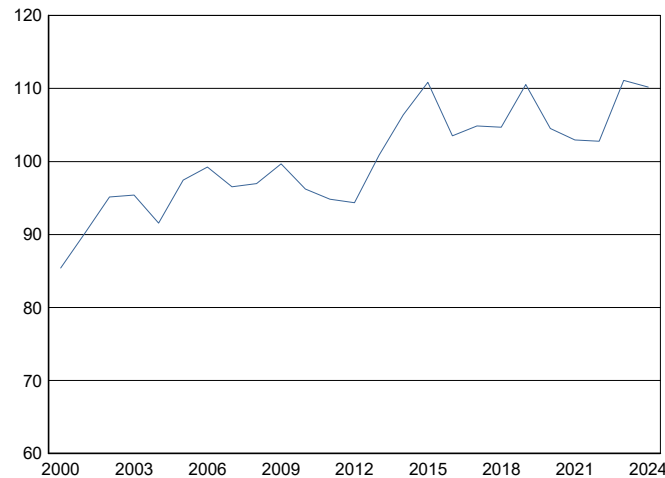


Final Score & Health Traits

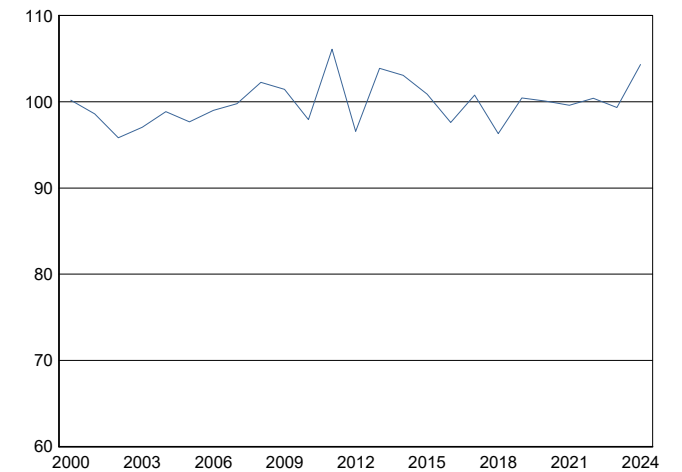
Final Score



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	
WESTPOINT AMO		ZUKANDI ZUKO	4.77	93	91	95	101	100	122	103	101	105	105	111	107	3	1				
	2019	ZOAR EVE		5	5	23	44	16	62	43	61	45	47	50	55						
WESTPOINT MIDNIGHT		ZUKANDI ZUKO	6.57	94	85		95	107	109	108	104	110	117	109	110						
	2021	RAINAISANCE CAMILA CABELLO		5	5		42	9	60	41	59	43	45	48	53						
WESTPOINT TITAN		SUMMIT CREED	6.34	94	92	92	83	98	100	124	123	99	109	97	109						
	2024	WESTPOINT STORM		5	5	5	41	5	59	40	58	42	44	47	53						
WESTPOINT KALLIE		WESTPOINT AMO	14.98	100	93	103	107	106	125	110	109	112	111	118	116						
	2024	KLEIN SANDFONTEIN BLIZZARD		5	5	11	30	5	44	29	43	31	33	35	40						

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 Litters	Progeny Progeny	Kennels Kennels	Hips Hips	Elbows Elbows	Progeny with litters
KLEIN SANDFONTEIN BLIZZARD	2019	KLEIN SANDFONTEIN HUEY ZUKANDI BLISS	8.36	107 8	95 25	111 55	114 61	112 40	127 75	116 61	117 74	120 62	117 64	126 66	125 70	34	5	9 8	1			5 1
WESTPOINT STORM	2021	ZUKANDI ZUKO RAINAISANCE CAMILA CABELLO	6.57	94 5	85 5		92 44	103 12	124 62	116 43	106 61	109 45	115 47	105 50	111 56	5	1	2 2				
WESTPOINT AZULA	2024	SUMMIT CREED WESTPOINT STORM	6.34	94 5	92 5	92 5	93 31	107 5	92 45	123 30	109 44	102 32	112 34	105 36	108 41							
WESTPOINT TELULA	2024	WESTPOINT AMO KLEIN SANDFONTEIN BLIZZARD	14.98	100 5	93 5	103 11	107 30	106 5	125 44	110 29	109 43	112 31	111 33	118 35	116 40							
KLEIN SANDFONTEIN YUNA	2024	KLEIN SANDFONTEIN JUST NUTZ KLEIN SANDFONTEIN LUVITA	12.45	109 5	103 5		108 31	113 5	106 45	123 30	105 44	115 31	109 33	110 36	111 40							

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 HUEY	2014	GROENBERG BBD RAMBO	5.01	105	72	117	119	129	116	124	102	126	117	124	120	162 28	63 55	13 13	47 10
		KLEIN SANDFONTEIN KISSKA		52	64	67	81	64	89	80	88	81	83	84	87				
ZUKANDI ZUKO	2017	KLEIN SANDFONTEIN HUEY	8.36	101	86	99	96	111	121	122	116	125	123	121	123	30 4	9 7		7 2
		ZUKANDI MICKA		10	27	36	62	41	75	62	74	63	65	67	71				
WESTPOINT AMO	2019	ZUKANDI ZUKO	4.77	93	91	95	101	100	122	103	101	105	105	111	107	3 1			
		ZOAR EVE		5	5	23	44	16	62	43	61	45	47	50	55				
SUMMIT CREED	2020	DUMAS MATRIX	5.91	94	99	92	93	111	60	129	112	95	109	105	105	27 4	10 9		4 3
		KLOPDISSELBOOM GINGER		5	5	17	54	28	68	53	68	55	57	59	64				
KLEIN SANDFONTEIN JUST NUTZ	2021	KLEIN SANDFONTEIN NUTCRACKER	11.50	121	128	128	113	122	110	129	125	131	120	119	127	16 3	2 2		1 1
		MES PERFECT		5	14	36	55	31	70	55	69	56	58	60	65				

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	
ZOAR EVE	2010	VAN ROOYEN BBD DIKKES	5.99	85	97	91	96	84	125	86	84	84	83	88	86	10	9	2			3
		DANIELSON BIANCA		5	5	42	34	5	51	33	50	35	37	40	45			2			1
ZUKANDI BLISS	2014	KLEIN SANDFONTEIN BENJI	10.72	109	118	91	105	97	109	103	120	108	123	117	119	22	4	10	1	1	5
		MIDDELPOS BBD NANDI		29	32	58	64	42	77	64	76	65	67	69	73			10			2
KLEIN SANDFONTEIN BLIZZARD	2019	KLEIN SANDFONTEIN HUEY	8.36	107	95	111	114	112	127	116	117	120	117	126	125	34	5	9	1		5
		ZUKANDI BLISS		8	25	55	61	40	75	61	74	62	64	66	70			8			1
RAINAISSANCE CAMILA CABELLO	2019	KLOPDISSELBOOM BEAST	8.67	88	84	86	91		110	101	96	100	110	92	99	6	1	2			1
		PADIACHY VIOLET		5	5	17	46		65	46	64	47	50	53	59			1			1
WESTPOINT STORM	2021	ZUKANDI ZUKO	6.57	94	85		92	103	124	116	106	109	115	105	111	5	1	2			
		RAINAISSANCE CAMILA CABELLO		5	5		44	12	62	43	61	45	47	50	56			2			
KLEIN SANDFONTEIN LUVITA	2022	KLEIN SANDFONTEIN MAJOR TOM	9.49	97	78	87	102	105	103	116	84	100	98	100	95	9	2				
		KLEIN SANDFONTEIN SADIE		5	5	34	47	11	66	46	65	48	51	54	60						

