

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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5254GH



Kennel Number: 656558



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.

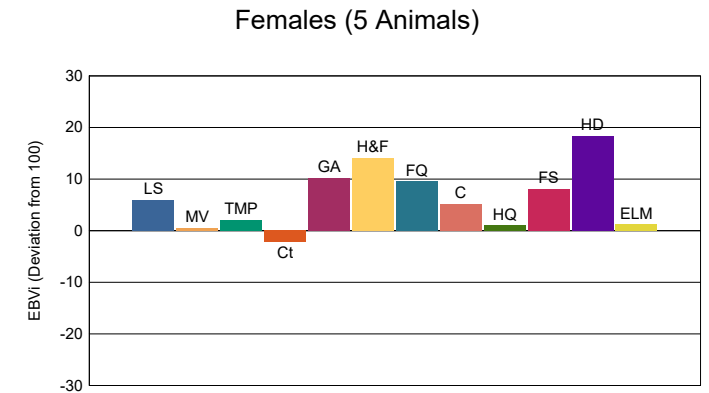
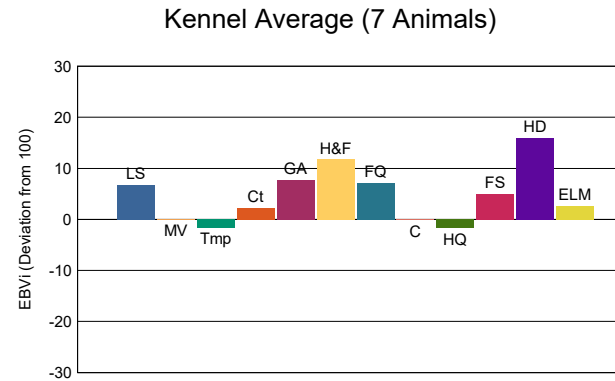
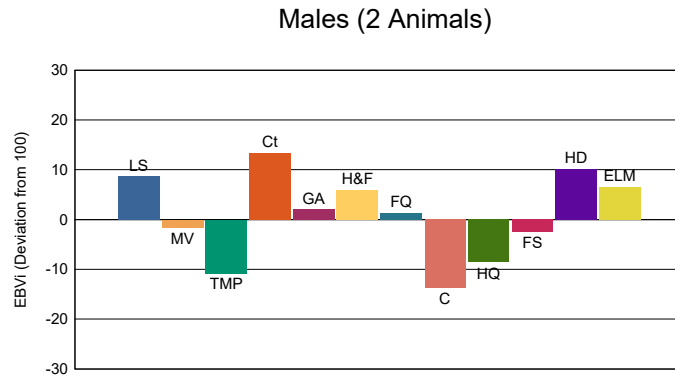
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	107	109	106
Movement (Mv)	100	98	101
Temperament (Tmp)	98	89	102
Coat (Ct)	102	113	98
General Appearance	108	102	110
Head & Face (H&F)	112	106	114
Front Quarter (FQ)	107	101	110
Centre (C)	100	86	105
Hind Quarter (HQ)	98	91	101
Final Score (FS)	105	98	108
Hip Health (HH)	116	110	118
Elbow Health (ELM)	103	106	101

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.

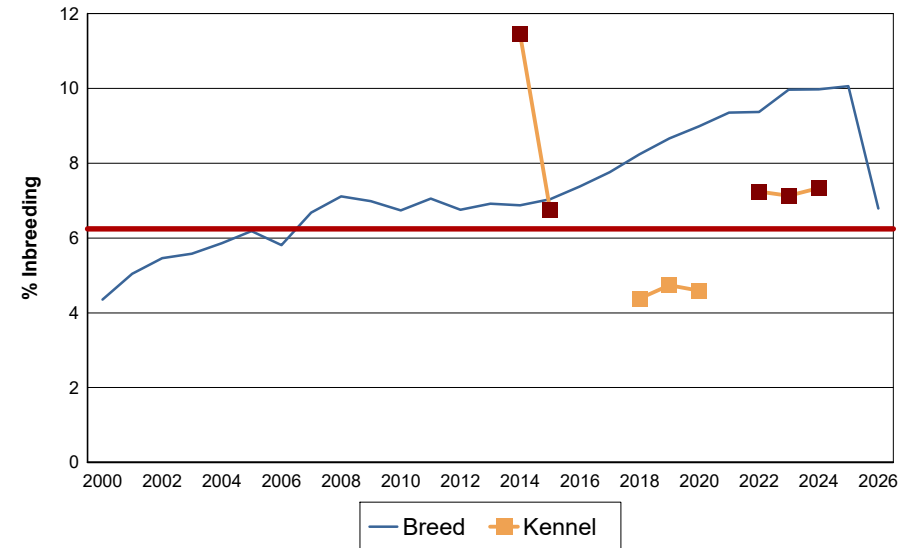
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

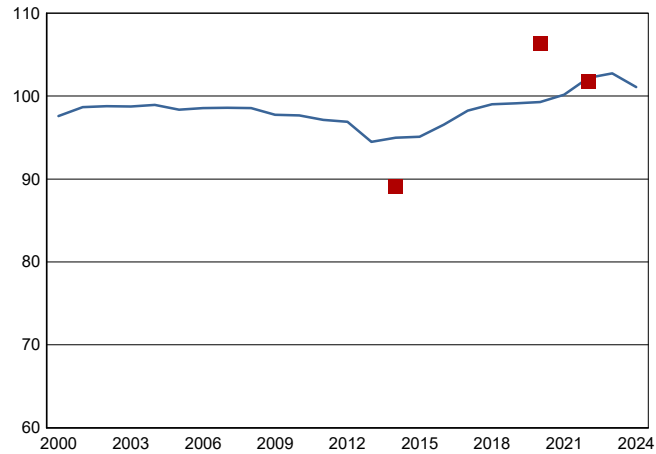


Inbreeding Levels

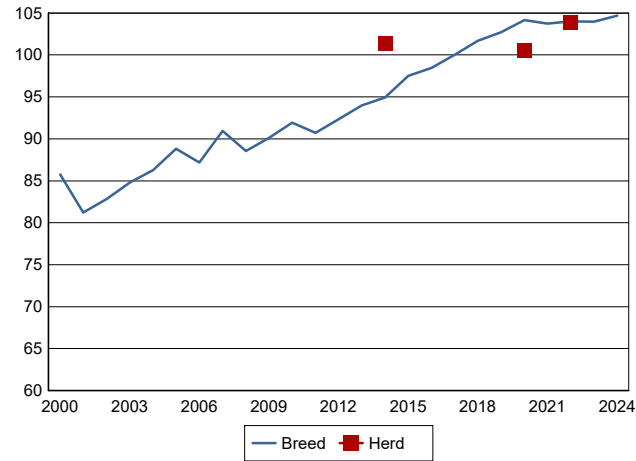
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	7	49007	2	25141	5	23857	6	3371	6	6287
Average Inbreeding	8.15	8.49	4.26	8.46	9.70	8.53	7.01	8.01	6.04	8.00
Number inbred	7	48727	2	24990	5	23728	6	24990	6	23728
Number >6.25% Inbr.	3	30600		15537	3	15058	4	15537	2	15058

Genetic Trends

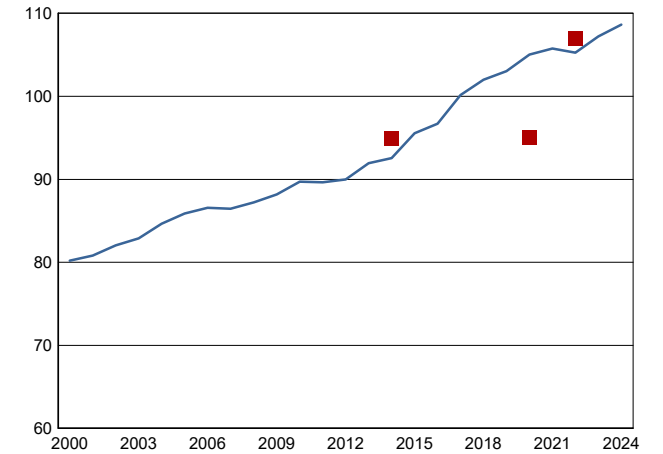
Litter Size



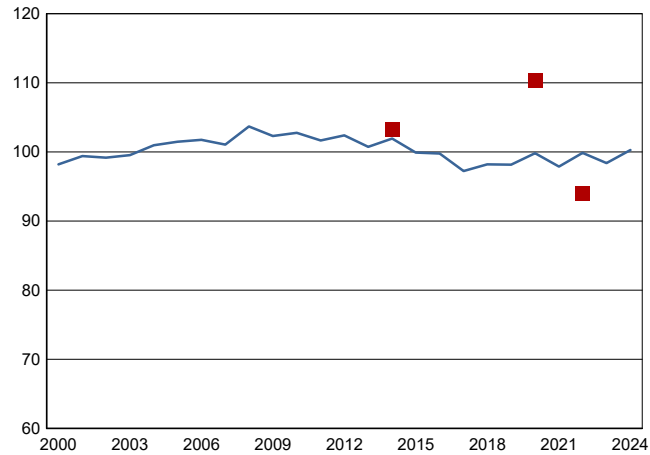
Movement



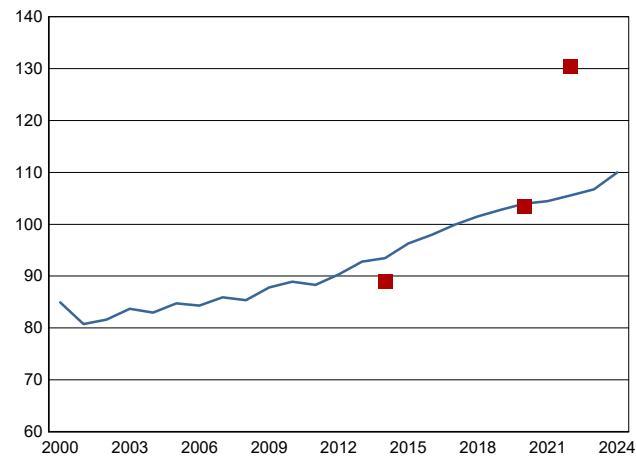
Temperament



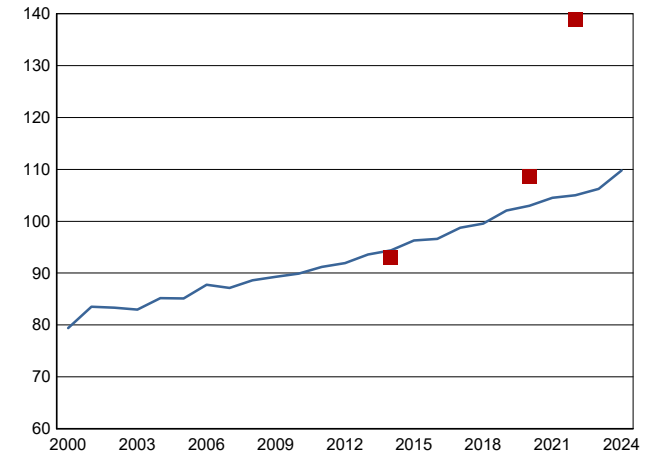
Coat



General Appearance

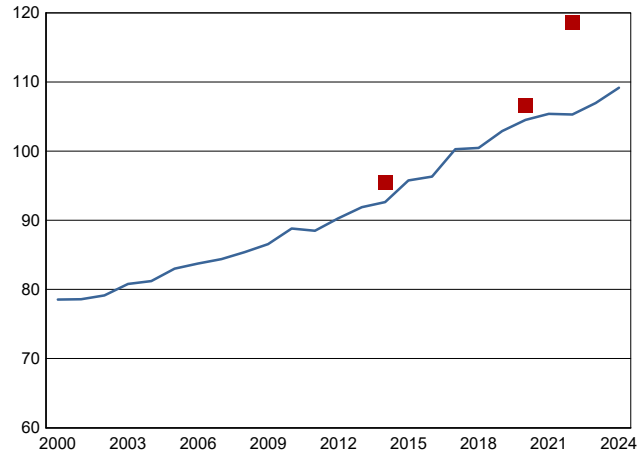


Head & Face

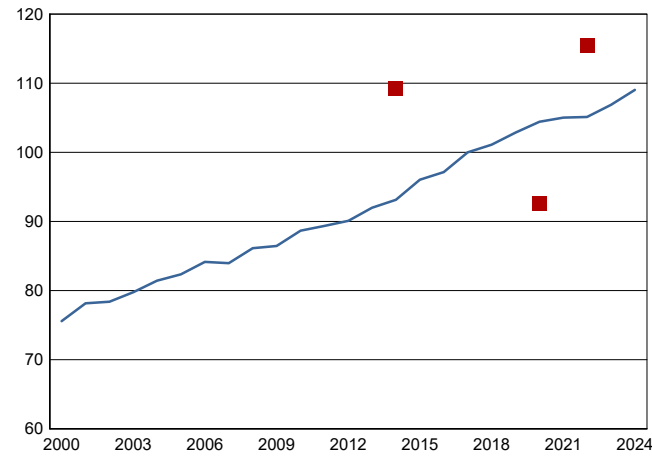


Genetic Trends

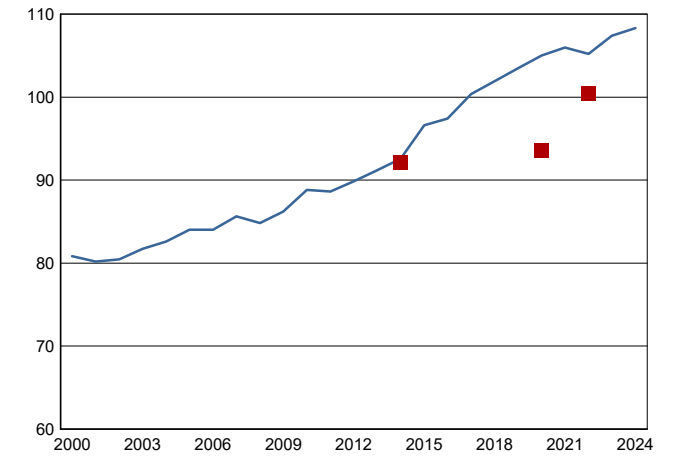
Front Quarter



Centre

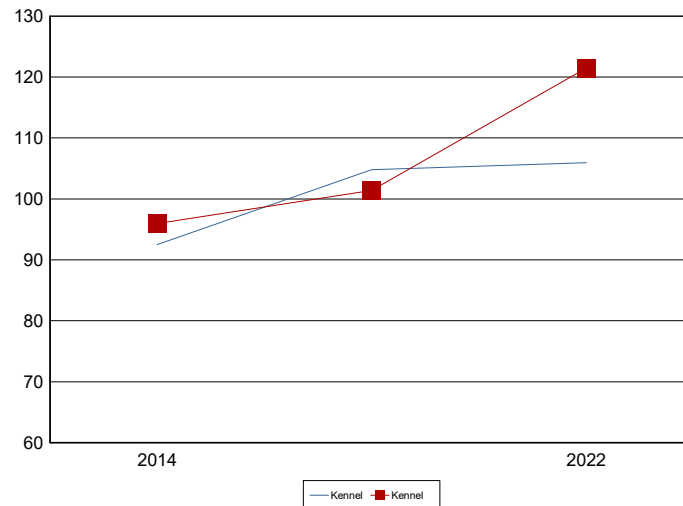


Hind Quarter

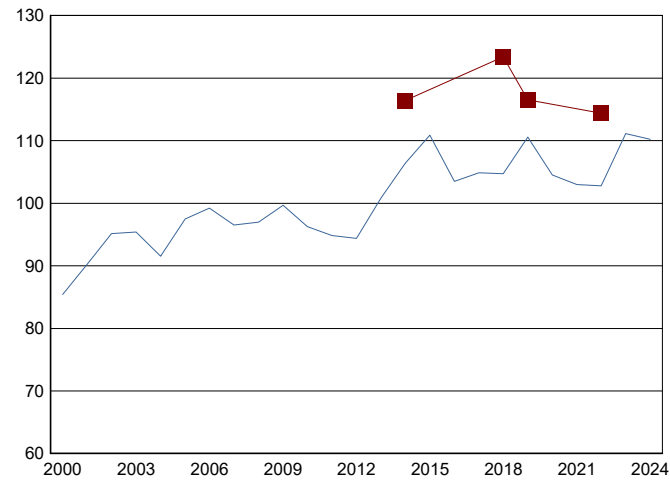


Final Score & Health Traits

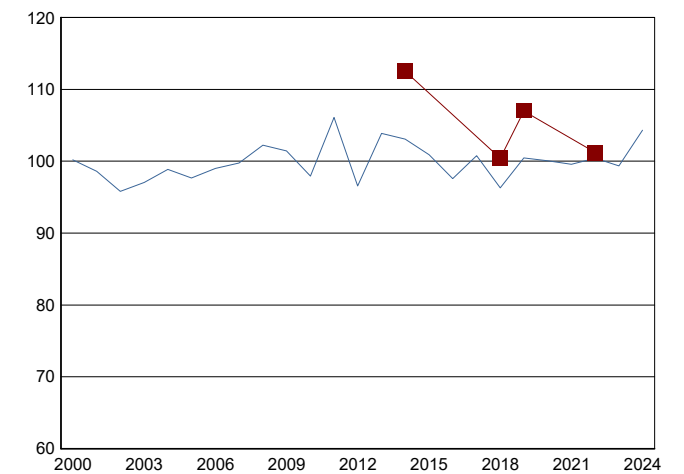
Final Score



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	
AFRIKA BAZUKKA		PINNACLE BBD HAVOC	3.78	108	107	103	97	83	115	100	105	96	84	87	94	43	6	6	4	4	6
	2016	AFRIKA CISCO		41	55	45	56	36	69	56	68	57	59	61	65			5			2
WHOSA BAAS		AFRIKA BAZUKKA	4.74	112	106	114	100	96	112	104	107	107	89	96	101	16	3	1			
	2020	AFRIKA TANZEN I		12	30	24	35	15	45	35	44	36	37	39	42			1			

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
MARBOELLA M-BELLA	2016	MARBOELLA ARO	17.60	138	94	94	106	106	103	106	115	117	109	96	110	10	2	1 1	1	1	1
		MOJO LUCKY ONE		5	5	5	34	5	57	33	56	35	39	43	50						
WHOSA CJ	2020	AFRIKA BAZUKKA	4.74	112	106	119	100	96	112	104	107	107	89	96	101	20	1				
		AFRIKA TANZEN I		12	30	26	35	15	45	35	44	36	37	39	42						
BVD JOY (CIRA)	2021	BLYGEDACHT HANSI	5.12	120	105	98	82	83	95	96	99	97	94	80	89	10	2				
		MAARTENS IMMER MOED BLONDINE		5	23	5	33	5	54	32	52	34	37	40	47						
SUNASK STAR PIP	2022	KLEIN SANDFONTEIN NOX	13.63	107	100	117	107	116	102	115	111	111	118	131	120						
		KLEIN SANDFONTEIN MHINA		5	5	5	37	5	56	36	55	38	40	43	49						
WHOSA TRUUSKE	2022	GLADIATOR NHIMU EUCLA RAMBO	7.43	114	101		108	109	78	130	138	117	117	103	121						
		WHOSA DORA		5	5		41	10	59	41	58	42	45	47	53						

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		
PINNACLE BBD HAVOC		AVONTUUR BBD BRUTUS IV	1.70	97	83	74	109	88	103	101	108	109	92	98	101	233	44	80	18	8	76
	2010	BONANZA BBD XENA II		55	58	77	84	66	91	83	90	84	85	87	89						
MARBOELLA ARO		NOSTRAS MANYANE	11.65	130	93	92	120	110	100	101	109	109	100	96	106	8	3	2	2	2	
	2013	MIGHTY BBD SONOYA		5	16	32	50	25	66	50	65	51	53	56	61						3
AFRIKA BAZUKKA		PINNACLE BBD HAVOC	3.78	108	107	103	97	83	115	100	105	96	84	87	94	43	6	6	4	4	6
	2016	AFRIKA CISCO		41	55	45	56	36	69	56	68	57	59	61	65						
BLYGEDACHT HANSI		TEAM SD RAMMSTEIN OF BLYGEDACHT	6.25	122	112	103	75	82	108	106	107	96	92	81	93	38	5	7		1	
	2019	BINJALY BETAWOLF OF BLYGEDACHT		5	24	6	40	9	56	39	55	41	43	45	50						6
KLEIN SANDFONTEIN NOX		KLEIN SANDFONTEIN THE MACK ATTACK	9.51	104	91	128	112	125	87	124	119	120	126	125	124	4	1	1			
	2021	KLEIN SANDFONTEIN MARA		5	5	23	41	15	54	41	53	42	44	46	50						1
GLADIATOR NHIMU EUCLA RAMBO		AFRIKA RAMBOMAX	9.14	117	96	95	110	117	99	142	144	123	135	114	134	129	17	13	3	3	2
	2021	DELATRO GALA		5	23	32	56	31	71	55	70	56	59	61	66						

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	
MOJO LUCKY ONE	2013	MARBOELLA VIPER	2.17	108	95	96	94	97	88	96	105	107	101	97	100	7	2	2	2	2	1
		MOJO CHOCO		5	5	10	42	5	61	41	60	43	46	49	55						
AFRIKA CISCO	2014	AFRIKA ZULU IIII	6.07	126	132	132	84	84	114	98	103	90	81	83	90	40	5	5	1	1	3
		AFRIKA RUBELS		44	57	62	59	33	74	59	73	60	62	65	69						
AFRIKA TANZEN I	2017	MES RUBENSTEIN	7.77	116	106	125	102	109	108	107	110	117	93	105	108	12	2	1	1	1	4
		AMADEO AZURA		40	55	42	57	39	68	57	67	58	59	61	64						
MAARTENS IMMER MOED BLONDINE	2019	BULGARIA BBK AKA BONO	4.95	118	98	93	93	87	96	92	93	96	95	88	90	3	1	2			1
		IMMERMOED SIL		38	57	5	13	5	29	12	28	14	17	19	24						
WHOSA DORA	2020	AFRIKA BAZUKKA	4.74	112	106	109	99	96	102	110	119	110	92	92	104	4	1	3	1	1	1
		AFRIKA TANZEN I		12	30	26	40	18	53	40	52	41	43	45	49						
KLEIN SANDFONTEIN MHINA	2020	KLEIN SANDFONTEIN THE STING	10.57	111	109	107	101	106	120	111	106	108	110	118	113	4	1	1			
		KLEIN SANDFONTEIN BLIZZARD		5	5	23	42	17	55	42	54	43	45	47	51						

