

Boerboel Genetic Evaluation

SA Stud Book

February 2026

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RINGWOOD
HAMPSHIRE
BH24 3HS



Kennel Number: 679072



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.

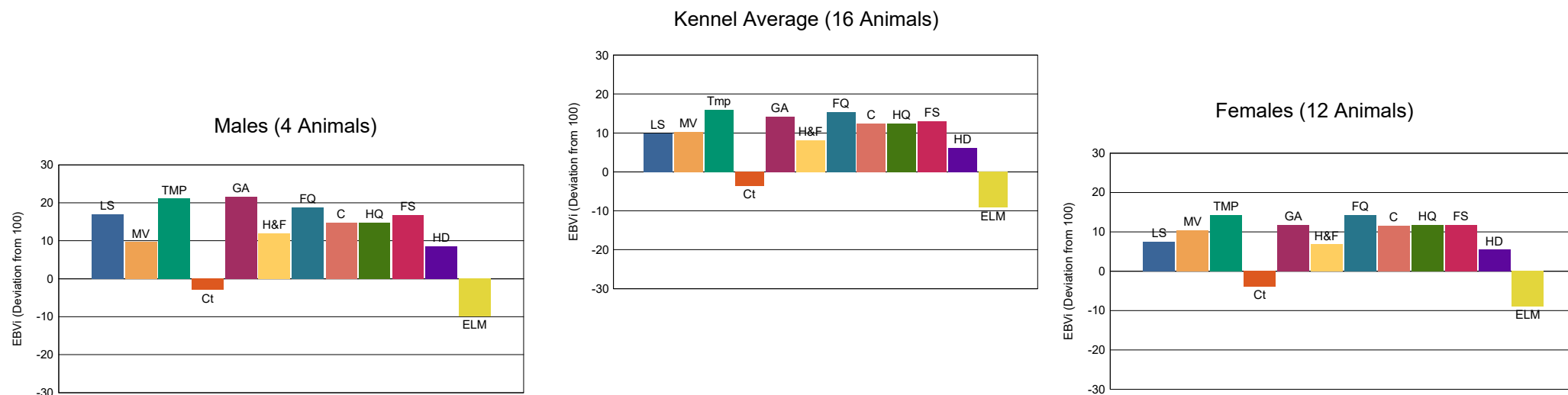
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	110	117	107
Movement (Mv)	110	110	110
Temperament (Tmp)	116	121	114
Coat (Ct)	96	97	96
General Appearance	114	122	112
Head & Face (H&F)	108	112	107
Front Quarter (FQ)	115	119	114
Centre (C)	112	115	112
Hind Quarter (HQ)	112	115	112
Final Score (FS)	113	117	112
Hip Health (HH)	106	109	105
Elbow Health (ELM)	91	90	91

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.

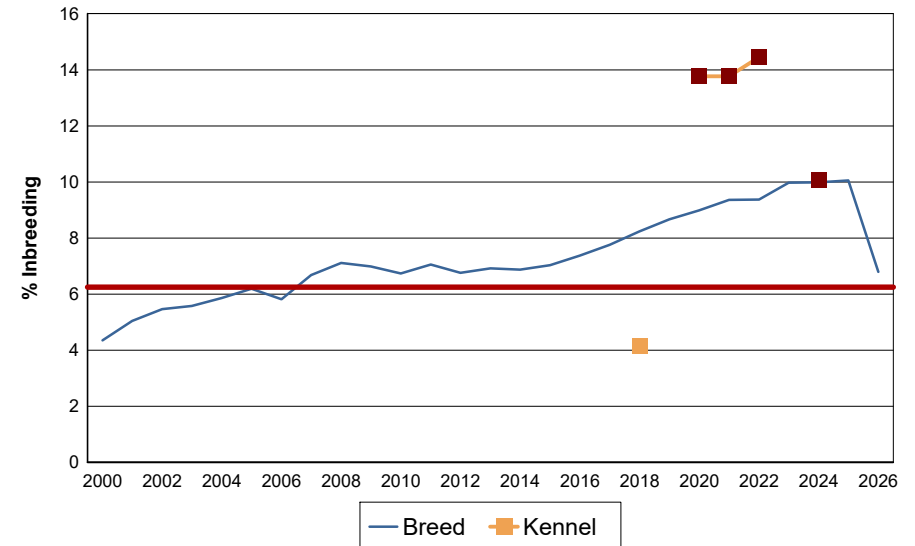
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

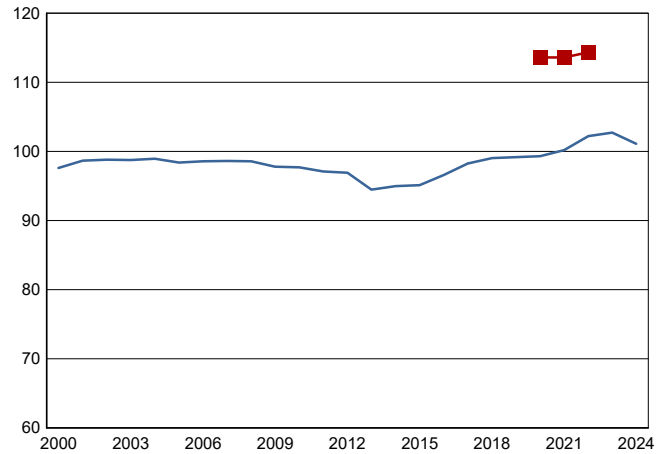


Inbreeding Levels

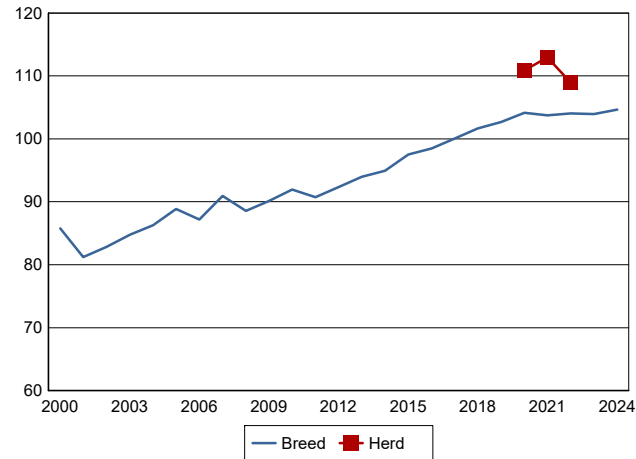
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	16	49007	4	25141	12	23857	8	3371	9	6287
Average Inbreeding	11.96	8.49	13.30	8.46	11.51	8.53	9.49	8.01	10.83	8.00
Number inbred	16	48727	4	24990	12	23728	8	24990	9	23728
Number >6.25% Inbr.	16	30600	4	15537	12	15058	4	15537	9	15058

Genetic Trends

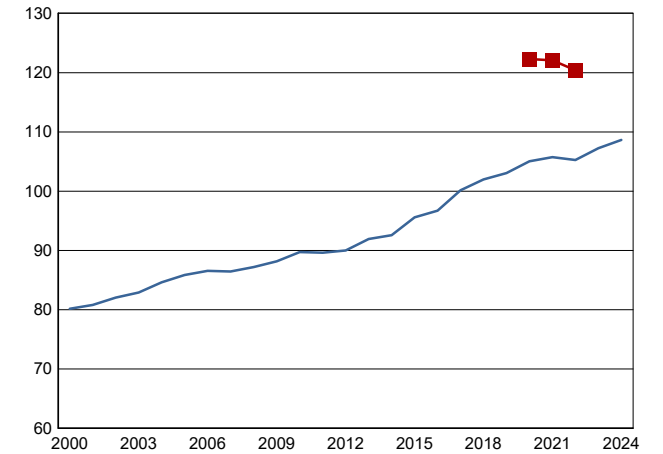
Litter Size



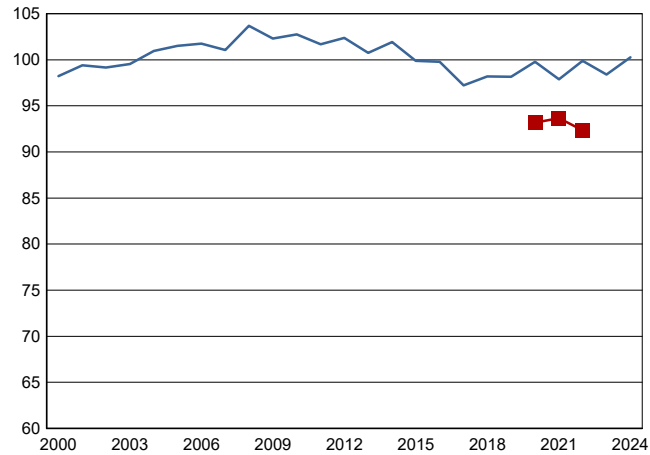
Movement



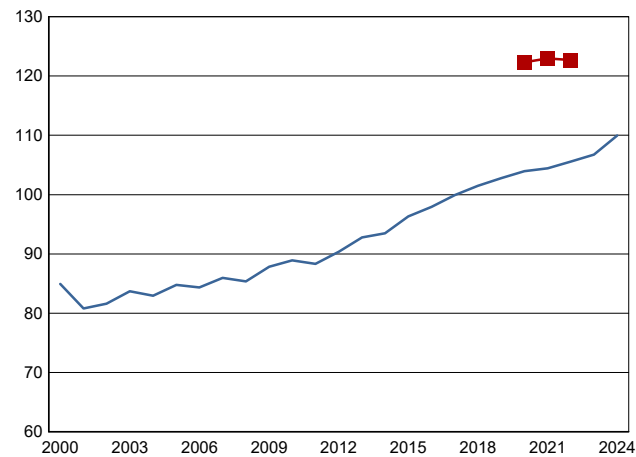
Temperament



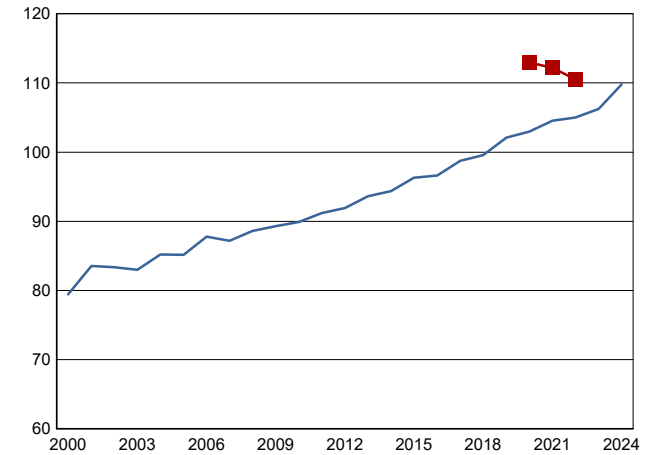
Coat



General Appearance

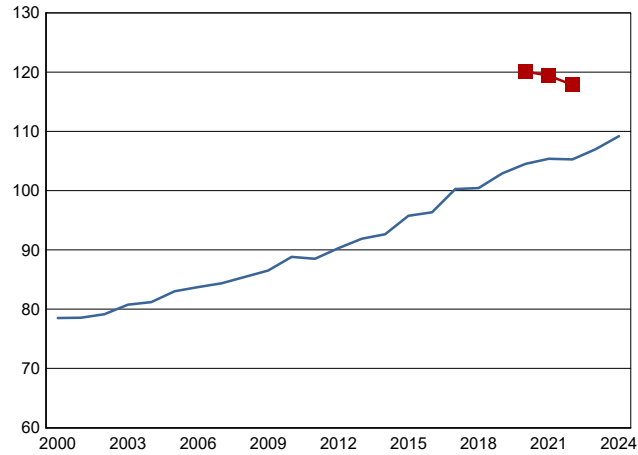


Head & Face

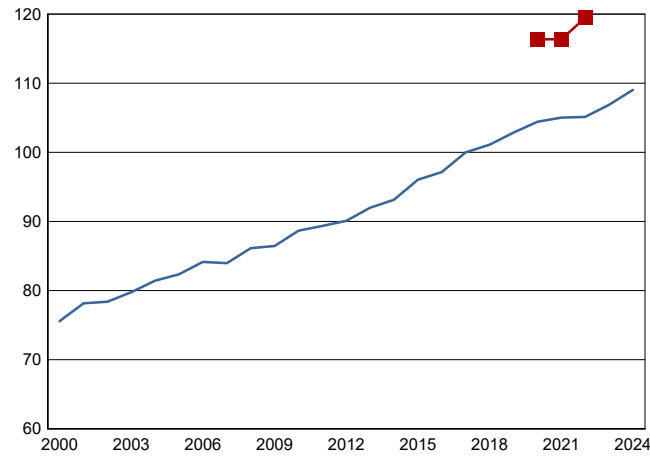


Genetic Trends

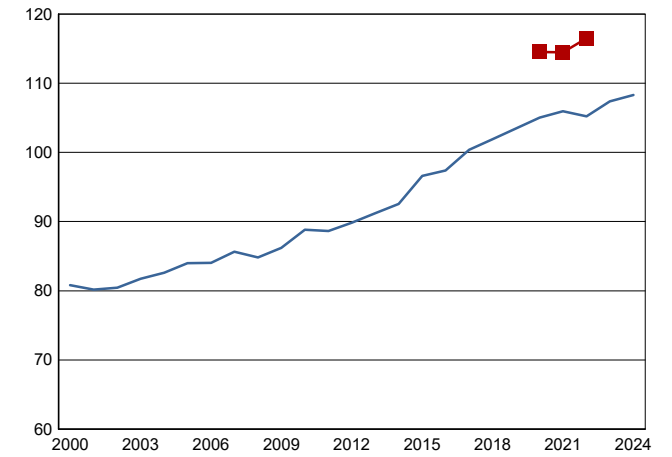
Front Quarter



Centre

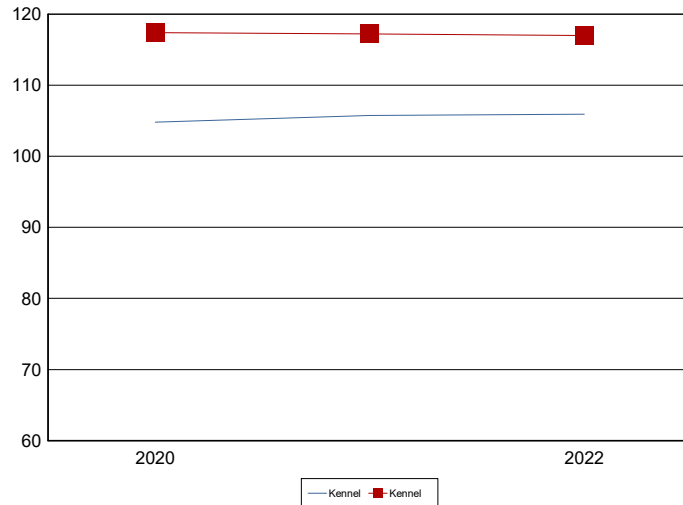


Hind Quarter

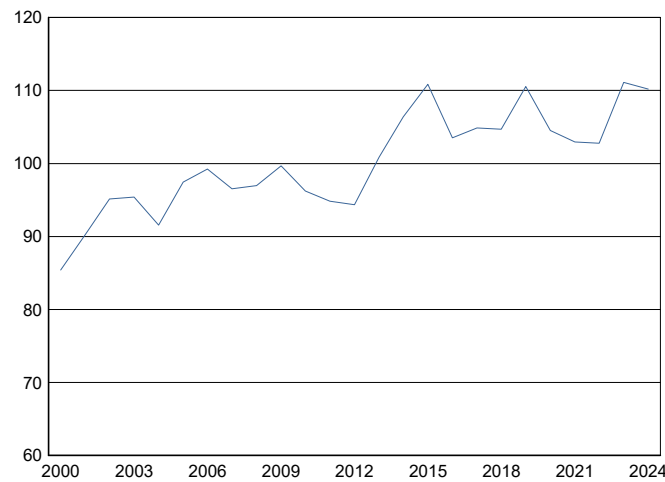


Final Score & Health Traits

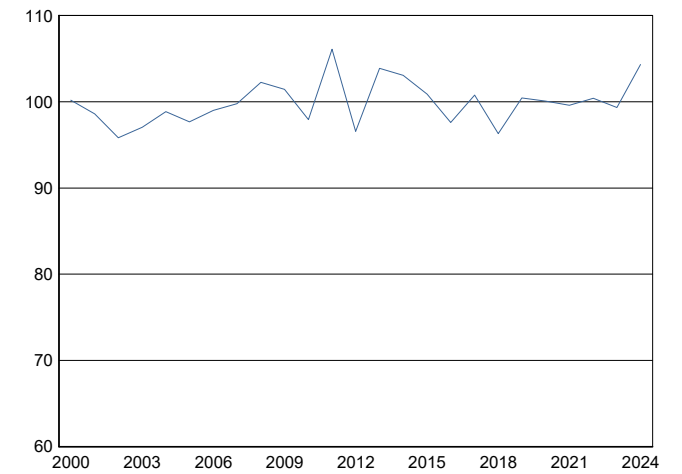
Final Score



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	Sire		%	Hips	Elbows	Litter Size	Move-	Tempe-	Coat	General	Head &	Front	Centre	Hind	Final	Progeny	Litters	Progeny	Hips	Elbows	with litters
	BYr	Dam		Acc.	Acc.	Acc.	ment	rament		Appear.	Face	Quarter		Quarter	Score			Kennels			
QUOVADIS PARTNER IN CRIME		KLEIN SANDFONTEIN HUEY	19.39	109	91	135	130	143	92	139	113	130	126	131	129	108	13	36	11	10	18
	2017	LOTTER SANA		24	46	40	66	42	79	66	78	67	69	71	75			26	7		
COLOSSUS AS BOLD AS BRASS		QUOVADIS PARTNER IN CRIME	13.77	104	82	114	112	121	94	122	111	119	116	114	116	7	1				
	2020	MEGAZONE TESSA		5	5	13	37	7	49	37	48	38	40	42	45						
PAMPOENKRAAL ADONIS		MIDDELPOS BBD BRUCE ALMIGHTY	9.95	118	96	108	91	111	106	117	118	116	111	109	115						
	2023	KLEIN SANDFONTEIN LISA MARI		5	9	23	45	21	55	44	55	46	47	49	52						
COLOSSUS EARTHQUAKER		AK01 SON OF CHAOS	10.08	103	92	112	106	109	96	108	106	111	107	105	107						
	2024	COLOSSUS APPLE OF MY EYE		5	5	5	21	5	36	20	35	21	24	26	31						

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	
MEGAZONE TESSA	2017	MES HUNTER	12.83	98	74	93	95	99	96	106	110	107	105	98	104	22	2	11 10			3 1
		LA BOELA XEENA		5	10	31	49	25	64	49	63	50	52	54	59						
AK01 ELSA	2019	MES CHAOS	9.98	117	90	110	106	108	98	107	114	116	107	107	111						
		AFRIKA KIARA 6		5	5	21	33	9	43	33	42	34	35	37	40						
COLOSSUS ACE IN THE HOLE	2020	QUOVADIS PARTNER IN CRIME	13.77	104	82	106	114	126	94	120	109	122	119	120	118	6	1				
		MEGAZONE TESSA		5	5	18	43	14	59	43	58	44	46	49	54						
GOLDEN SUN STORM	2021	QUOVADIS PARTNER IN CRIME	10.77	105	91	107	123	134	86	125	112	123	122	122	122						
		CDH BIBBI		5	5	21	46	20	61	45	60	46	48	51	55						
COLOSSUS CREAM OF THE CROP	2022	NOXTERRA PATRON	14.45	98	94	114	107	123	94	127	112	122	124	118	120						
		COLOSSUS APPLE OF MY EYE		5	5	5	26	5	49	25	47	27	30	34	41						
SIBOVELD DREAMFYRE	2023	SIBOVELD NIGHT KING	15.92	123	110	126	123	119	100	119	122	113	114	121	123	4					
		KLEIN SANDFONTEIN KHALEESI II		5	5	5	37	5	55	36	54	38	40	43	49						
COLOSSUS DAY DREAMER	2024	AK01 SON OF CHAOS	10.08	103	92	104	110	111	98	106	100	112	108	110	107						
		COLOSSUS ACE IN THE HOLE		5	5	5	20	5	36	20	35	21	24	26	31						
COLOSSUS DID IT AGAIN	2024	AK01 SON OF CHAOS	10.08	103	92	104	110	111	98	106	100	112	108	110	107						
		COLOSSUS ACE IN THE HOLE		5	5	5	20	5	36	20	35	21	24	26	31						
COLOSSUS DEJA VU	2024	AK01 SON OF CHAOS	10.08	103	92	104	110	111	98	106	100	112	108	110	107						
		COLOSSUS ACE IN THE HOLE		5	5	5	20	5	36	20	35	21	24	26	31						
COLOSSUS DESERT MOON	2024	AK01 SON OF CHAOS	10.08	103	92	104	110	111	98	106	100	112	108	110	107						
		COLOSSUS ACE IN THE HOLE		5	5	5	20	5	36	20	35	21	24	26	31						
COLOSSUS DYNAMITE	2024	AK01 SON OF CHAOS	10.08	103	92	104	110	111	98	106	100	112	108	110	107						
		COLOSSUS ACE IN THE HOLE		5	5	5	20	5	36	20	35	21	24	26	31						

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	
COLOSSUS END GAME		AK01 SON OF CHAOS	10.08	103	92	112	106	109	96	108	106	111	107	105	107						
	2024	COLOSSUS APPLE OF MY EYE		5	5	5	21	5	36	20	35	21	24	26	31						

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
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	with litters	
KLEIN SANDFONTEIN HUEY		GROENBERG BBD RAMBO	5.01	105	72	117	119	129	116	124	102	126	117	124	120	162	28	63	13	13	47
	2014	KLEIN SANDFONTEIN KISSKA		52	64	67	81	64	89	80	88	81	83	84	87		55				10
MES HUNTER		MIDDELPOS BBD ALPHA	6.05	73	49	92	83	103	73	100	115	116	112	106	108	19	3	4	1	1	4
	2015	MES LULU I		35	50	48	58	40	67	57	67	58	60	61	64		4				1
MIDDELPOS BBD BRUCE ALMIGHTY		AFRIKA LEO 5	5.84	127	106	106	86	104	108	119	125	112	109	111	117	48	8	27	2	2	16
	2017	MIGHTY AFRIKA ZELLIE		32	49	37	69	44	82	68	81	70	72	74	78		18				5
QUOVADIS PARTNER IN CRIME		KLEIN SANDFONTEIN HUEY	19.39	109	91	135	130	143	92	139	113	130	126	131	129	108	13	36	11	10	18
	2017	LOTTER SANA		24	46	40	66	42	79	66	78	67	69	71	75		26				7
MES CHAOS		MES ARNOLD 1	11.65	110	101	107	111	108	107	96	104	117	110	117	112	35	3	5			4
	2017	MES TAYLA		5	18	41	53	36	63	53	62	54	55	57	60		3		1		2
SIBOVELD NIGHT KING		QUOVADIS PARTNER IN CRIME	13.77	125	92	120	116	123	91	123	119	117	119	118	121	19	3	6			2
	2019	MEGAZONE CLOE		5	20	16	41	12	55	41	54	42	44	46	50		6		1		2
NOXTERRA PATRON		NOXTERRA LENNOX	8.92	93	105	108	114	118	93	117	99	111	119	121	113	9	1	3			
	2020	NOXTERRA PASHA		5	5	5	28	5	43	27	42	29	31	33	38		3				
AK01 SON OF CHAOS		MES CHAOS	5.27	103	102	103	107	96	102	92	91	101	98	100	96	33	4	2			
	2020	NKOSI KIERA		5	5	11	35	5	52	34	51	36	38	41	46		2				

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	
LOTTER SANA	2015	GROENBERG BBD RAMBO	11.72	119	112	125	123	136	84	135	115	126	122	124	124	16	3	5	3	3	2
		LOTTER ATALIA		27	41	50	61	44	69	60	69	61	62	64	67			5			2
LA BOELA XEENA	2015	MIDDELPOS BBD MAXIMUS I	8.11	123	98	88	100	95	109	105	100	92	97	91	97	11	1	3	1	1	4
		MIDDELPOS BBD KEENA		13	25	44	60	40	72	60	71	61	63	64	68			3			1
CDH BIBBI	2016	ELEVATION KOOSIE	7.65	100	92	80	121	124	89	108	98	111	113	117	111	26	3	3			2
		MIDDELPOS BBD MILLY		5	5	45	53	34	64	53	63	54	56	57	60			3			1
AFRIKA KIARA 6	2017	AFRIKA RAMBOMAX	6.30	125	78	112	102	107	90	118	124	114	104	97	111	12	1	2			1
		AFRIKA DALITA		26	39	44	52	33	61	51	61	52	54	55	58			1			1
MEGAZONE TESSA	2017	MES HUNTER	12.83	98	74	93	95	99	96	106	110	107	105	98	104	22	2	11			3
		LA BOELA XEENA		5	10	31	49	25	64	49	63	50	52	54	59			10			1
KLEIN SANDFONTEIN LISA MARI	2019	KLEIN SANDFONTEIN HUEY	11.86	109	86	110	96	119	104	116	110	119	112	108	113	25	4	11	1	1	7
		MES O` HARA		5	26	48	64	40	77	63	76	64	66	68	73			8			1
COLOSSUS APPLE OF MY EYE	2020	QUOVADIS PARTNER IN CRIME	13.77	104	82	121	106	121	91	125	121	121	115	110	118	21	2	3			
		MEGAZONE TESSA		5	5	18	43	14	58	42	57	44	46	48	53			3			
COLOSSUS ACE IN THE HOLE	2020	QUOVADIS PARTNER IN CRIME	13.77	104	82	106	114	126	94	120	109	122	119	120	118	6	1				
		MEGAZONE TESSA		5	5	18	43	14	59	43	58	44	46	49	54						
KLEIN SANDFONTEIN KHALEESI II	2021	KLEIN SANDFONTEIN NUTCRACKER	11.50	121	128	132	111	115	100	120	123	117	112	116	120	6	1	3	1		1
		MES PERFECT		5	14	39	50	28	61	49	60	50	52	54	57			3			1

