

Boerboel Genetic Evaluation

SA Stud Book

February 2026

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STRAND

7140



Kennel Number: 698468



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.

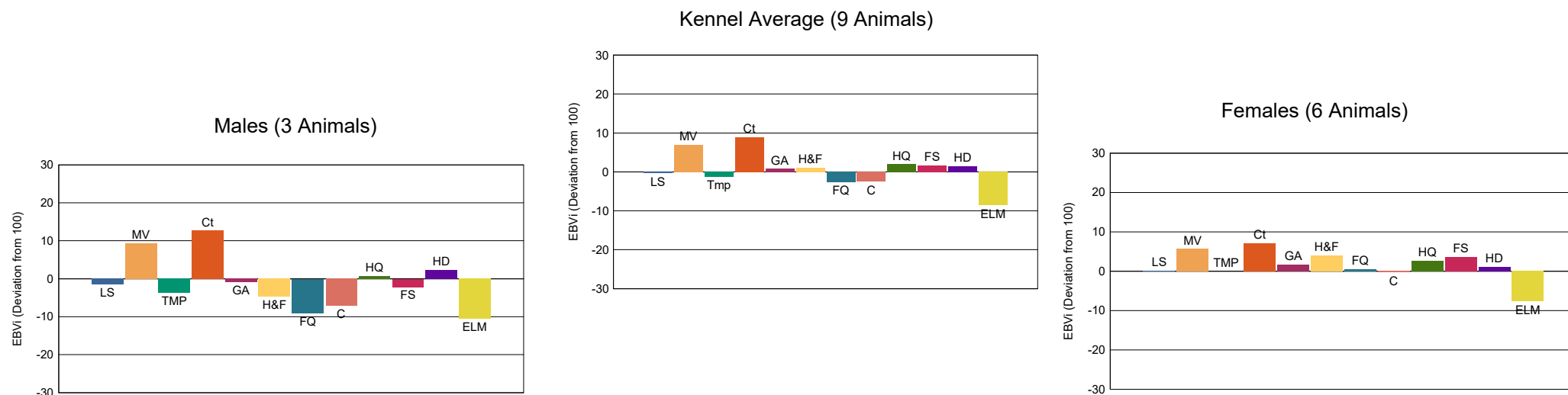
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	100	99	100
Movement (Mv)	107	109	106
Temperament (Tmp)	99	96	100
Coat (Ct)	109	113	107
General Appearance	101	99	102
Head & Face (H&F)	101	95	104
Front Quarter (FQ)	97	91	101
Centre (C)	98	93	100
Hind Quarter (HQ)	102	101	103
Final Score (FS)	102	98	104
Hip Health (HH)	102	102	101
Elbow Health (ELM)	91	89	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.

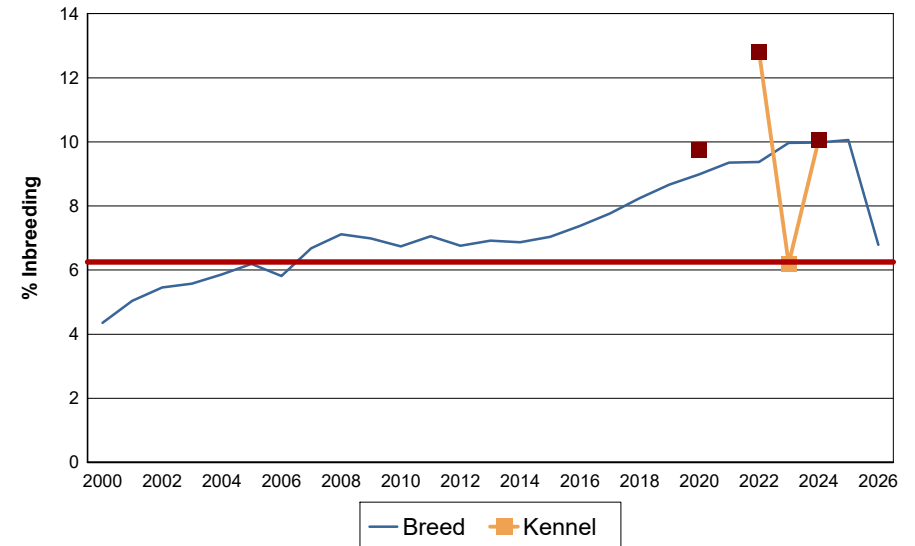
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

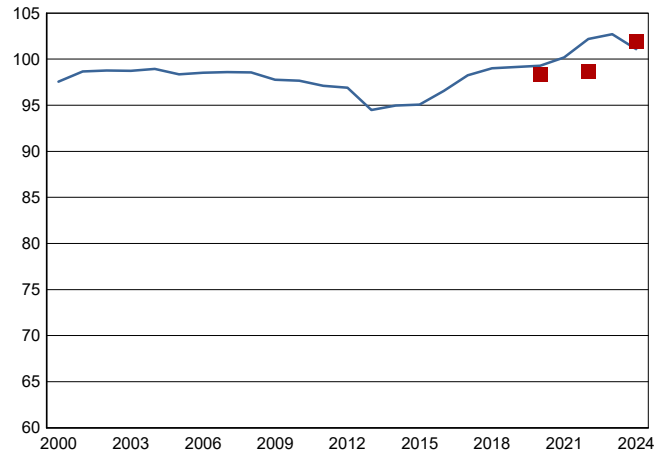


Inbreeding Levels

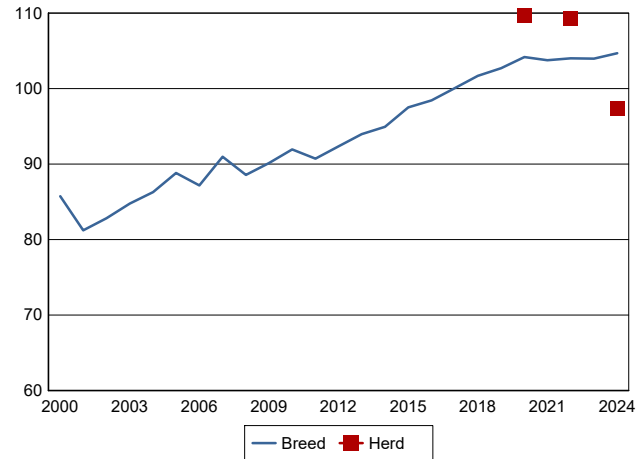
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	9	49007	3	25141	6	23857	7	3371	6	6287
Average Inbreeding	10.27	8.49	8.22	8.46	11.29	8.53	9.52	8.01	10.50	8.00
Number inbred	9	48727	3	24990	6	23728	7	24990	6	23728
Number >6.25% Inbr.	8	30600	2	15537	6	15058	4	15537	4	15058

Genetic Trends

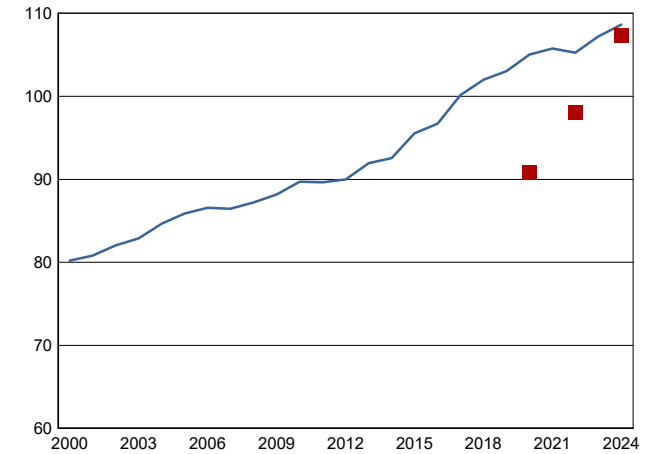
Litter Size



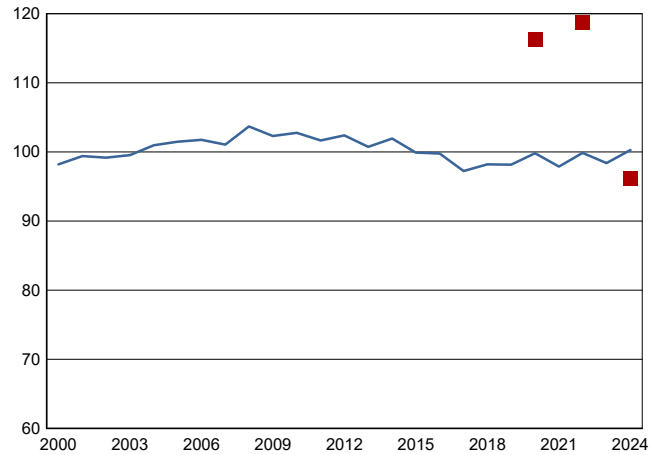
Movement



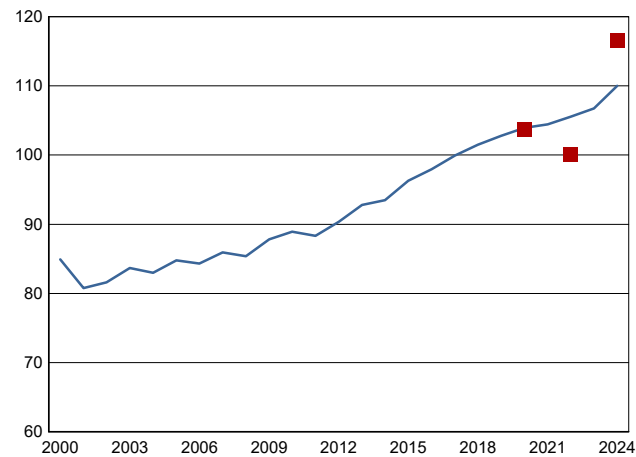
Temperament



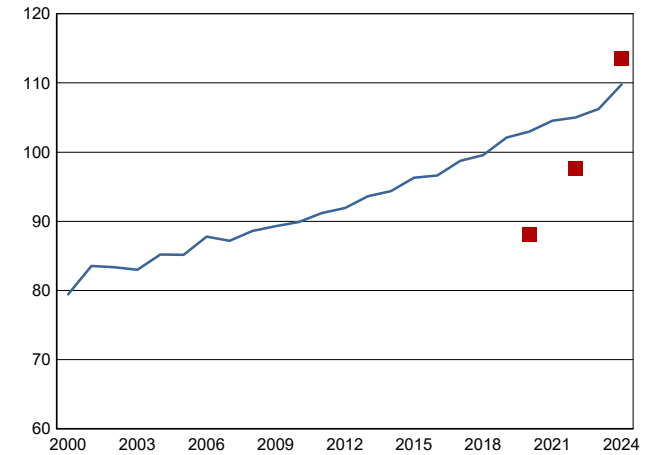
Coat



General Appearance

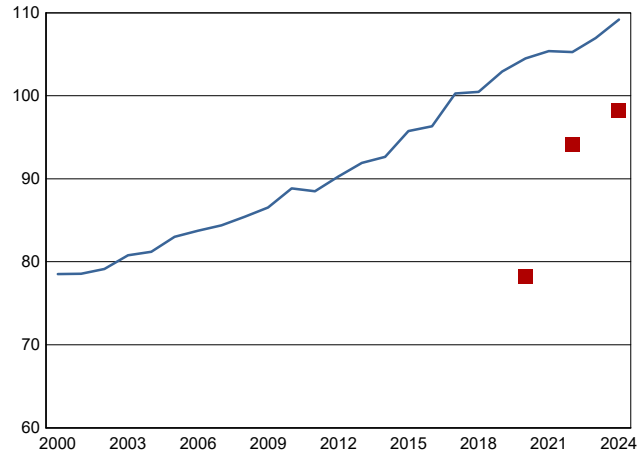


Head & Face

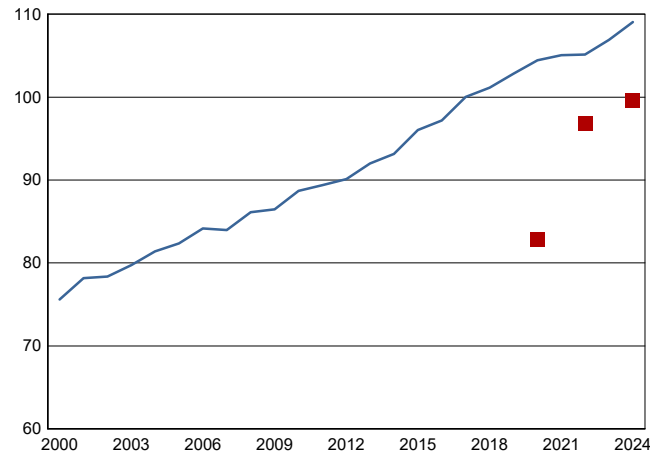


Genetic Trends

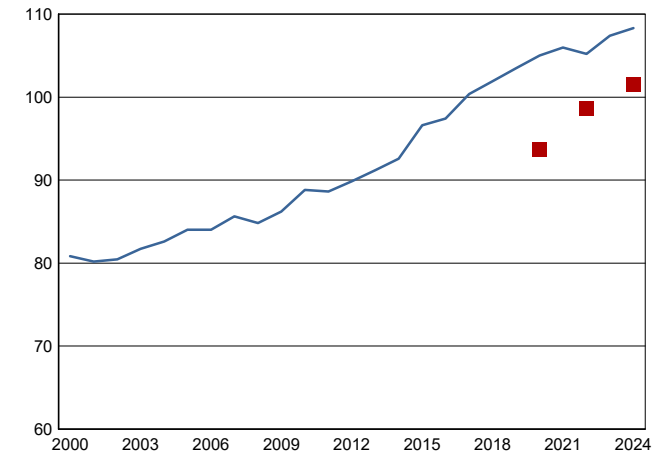
Front Quarter



Centre

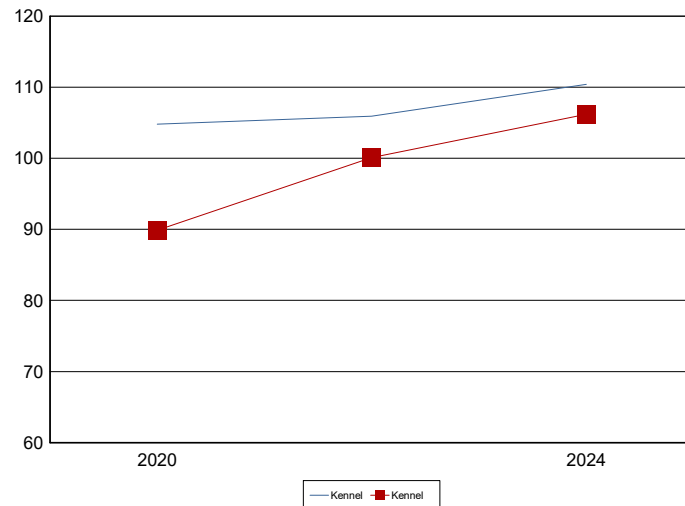


Hind Quarter

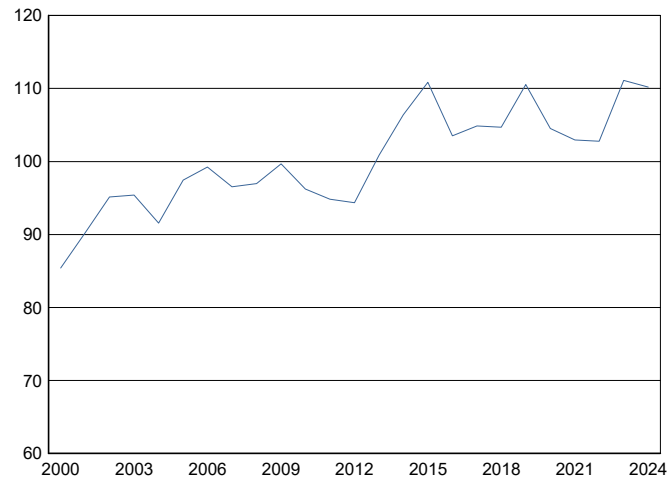


Final Score & Health Traits

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	
LOUWS STAR		BLUE PRINT RONIN	9.74	103	88	98	115	93	108	99	88	81	85	98	91	4	1				
	2020	BLUE PRINT TESSA 3		5	5	5	28	5	44	27	43	29	32	34	39						
LOUWS PUNISHER		TELEOIS SUPER KARDO	8.71	99	90	95	102	92	121	99	102	93	99	97	101						
	2022	LOUWS MISS CHARM		5	5	5	36	5	56	34	54	37	40	43	49						
LOUWS LEGEND		LOUWS STAR	6.20	105	90	102	111	103	109	99	96	99	95	108	102						
	2023	MIDDELPOS BBD SANSA		5	5	5	20	5	34	19	33	21	23	25	30						

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 Progeny	with with	litters litters
BLUE PRINT WASIELA	2019	BLUE PRINT THE GAME BLUE PRINT ROXY	20.26	98 5	91 5	97 5	107 39	97 5	109 62	91 38	105 61	103 41	101 44	99 48	103 55	8	1	1	1					
LOUWS MISS CHARM	2020	BLUE PRINT RONIN BLUE PRINT TESSA 3	9.74	103 5	88 5	98 5	110 40	91 5	116 60	104 37	88 59	78 41	83 44	94 47	90 54	9	3	3	3					
MIDDELPOS BBD SANSA	2021	KLEIN WITWAL BBD UNO MIDDELPOS BBD SHIVAS	7.00	107 5	91 5	106 27	108 50	114 26	109 65	99 50	105 64	117 51	106 53	117 55	112 60	4	1							
LOUWS MISS LEMON	2024	MAMPIES COOPER BLUE PRINT WASIELA	11.74	100 5	96 5	99 5	108 22	98 5	110 42	103 21	111 41	108 23	108 27	104 30	109 36									
LOUWS KIM	2024	MAMPIES TYSON LOUWS MISS CHARM	7.26	99 5	92 5	102 5	94 28	102 5	87 44	111 24	105 43	90 29	93 31	97 34	98 39									
LOUWS MISS APPLE	2024	MAMPIES COOPER BLUE PRINT WASIELA	11.74	100 5	96 5	99 5	108 22	98 5	110 42	103 21	111 41	108 23	108 27	104 30	109 36									

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
BLUE PRINT RONIN		MIDDELPOS BBD KRISJAN	4.39	109	87	94	120	84	105	92	73	67	72	97	80	3	1			2
	2014	PENNANTSULA STARDUST		5	5	15	51	23	68	50	67	52	54	57	62		1			1
KLEIN WITWAL BBD UNO		MES RUBENSTEIN	4.80	101	70	107	114	129	109	111	104	122	116	120	118	46	12	20		15
	2017	SA SUPERIOR PEPSI		5	20	49	72	49	83	72	82	72	74	76	79		17			4
BLUE PRINT THE GAME		BOSVLEI NEMO	17.50	97	89	103	112	102	107	102	105	101	99	98	103	13	3	4		3
	2018	BLUE PRINT VOGUE		5	5	5	52	5	70	51	69	53	56	59	64		3			1
MAMPIES COOPER		BENAH ADAM	14.16	103	101	102	109	99	111	116	117	113	114	109	115	5	1			
	2019	TELEOIS SAGE		5	5	5	47	5	66	47	65	48	51	54	60					
TELEOIS SUPER KARDO		KLOPDISSELBOOM SUPER KHAN	10.92	95	92	92	103	99	134	99	107	108	114	106	112	19	5	8		3
	2020	TELEOIS BROOKLYN		5	5	5	52	14	70	51	68	53	55	58	64		7			1
LOUWS STAR		BLUE PRINT RONIN	9.74	103	88	98	115	93	108	99	88	81	85	98	91	4	1			
	2020	BLUE PRINT TESSA 3		5	5	5	28	5	44	27	43	29	32	34	39					
MAMPIES TYSON		DUMAS BIG DEAL	5.14	94	95	106	79	113	59	118	121	103	104	100	105	6	2	1		
	2021	RAINAISANCE SOFIA I		5	5	16	50	22	67	48	66	51	54	56	61		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-r ament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
BLUE PRINT ROXY	2017	WALSH KUNG FU PANDA	4.84	98	93	90	103	86	122	82	96	92	93	95	95	13	3	4			3
		BLUE PRINT SANDY		5	5	5	51	20	70	51	69	52	55	58	64			3			1
BLUE PRINT TESSA 3	2018	BOSVLEI NEMO	17.50	97	89	103	110	102	111	107	104	95	97	99	102	5		1			2
		BLUE PRINT VOGUE		5	5	5	47	5	66	46	65	48	51	54	60			1			1
BLUE PRINT WASIELA	2019	BLUE PRINT THE GAME	20.26	98	91	97	107	97	109	91	105	103	101	99	103	8	1	1			
		BLUE PRINT ROXY		5	5	5	39	5	62	38	61	41	44	48	55			1			
MIDDELPOS BBD SHIVAS	2019	BREKER MENEER	3.66	113	113	104	89	97	100	91	116	116	101	107	108	9	2	3			2
		MIDDELPOS BBD LEXI I		5	5	45	59	36	73	59	72	60	62	64	68			3			1
LOUWS MISS CHARM	2020	BLUE PRINT RONIN	9.74	103	88	98	110	91	116	104	88	78	83	94	90	9	3	3			
		BLUE PRINT TESSA 3		5	5	5	40	5	60	37	59	41	44	47	54			3			
MIDDELPOS BBD SANSA	2021	KLEIN WITWAL BBD UNO	7.00	107	91	106	108	114	109	99	105	117	106	117	112	4	1				
		MIDDELPOS BBD SHIVAS		5	5	27	50	26	65	50	64	51	53	55	60						

