

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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RUA DA LIBERATA 16A
2125-165 MARINHAIS
PORTUGAL

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Kennel Number: 612478



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.

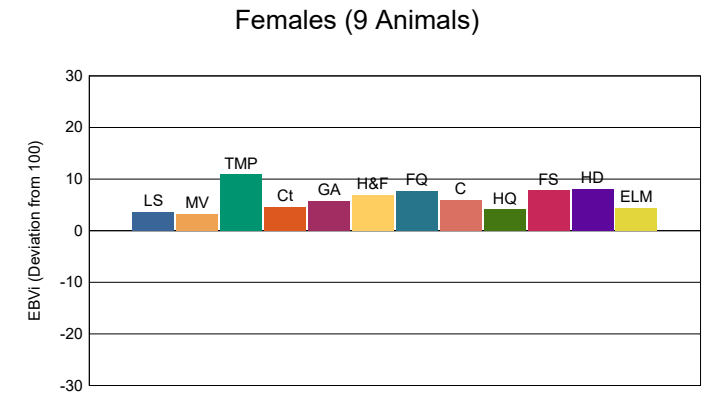
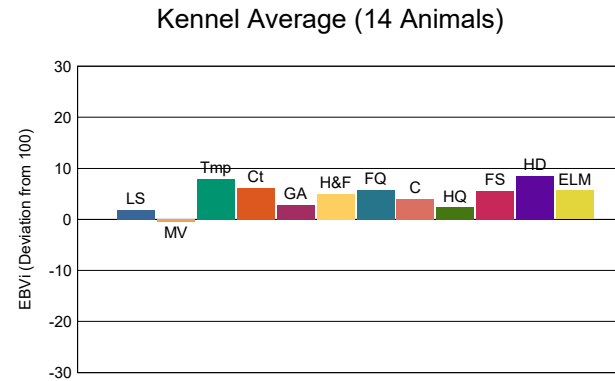
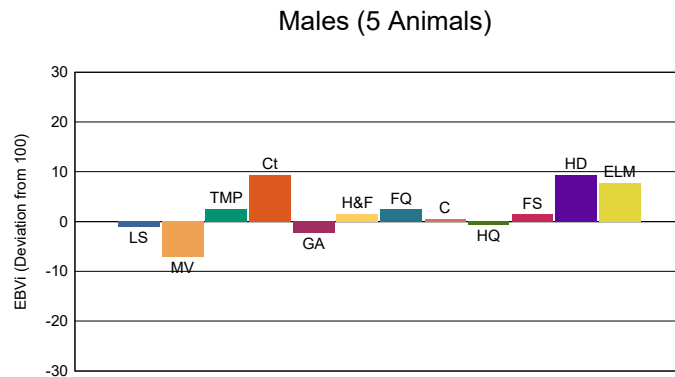
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	102	99	104
Movement (Mv)	100	93	103
Temperament (Tmp)	108	102	111
Coat (Ct)	106	109	105
General Appearance	103	98	106
Head & Face (H&F)	105	102	107
Front Quarter (FQ)	106	102	108
Centre (C)	104	101	106
Hind Quarter (HQ)	102	99	104
Final Score (FS)	106	101	108
Hip Health (HH)	109	109	108
Elbow Health (ELM)	106	108	104

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.

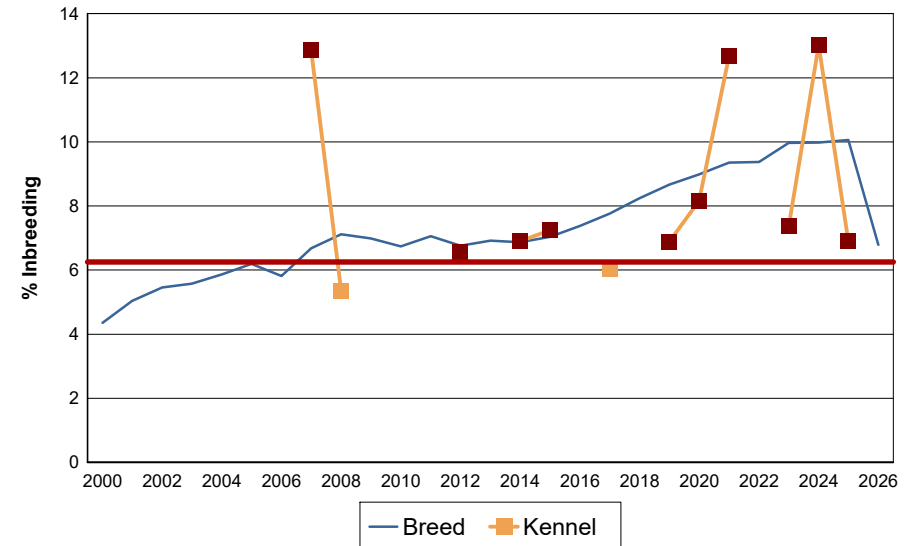
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

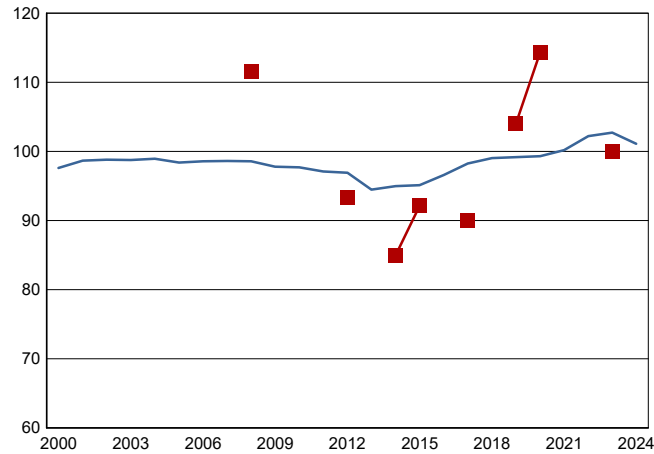


Inbreeding Levels

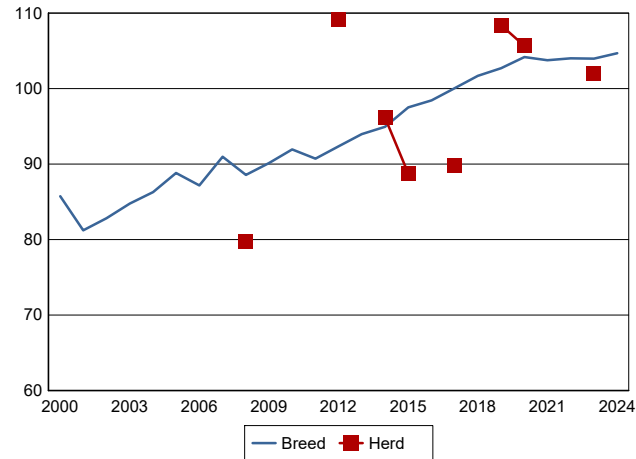
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	14	49007	5	25141	9	23857	7	3371	7	6287
Average Inbreeding	7.31	8.49	6.31	8.46	7.87	8.53	9.03	8.01	6.66	8.00
Number inbred	14	48727	5	24990	9	23728	7	24990	7	23728
Number >6.25% Inbr.	11	30600	4	15537	7	15058	5	15537	4	15058

Genetic Trends

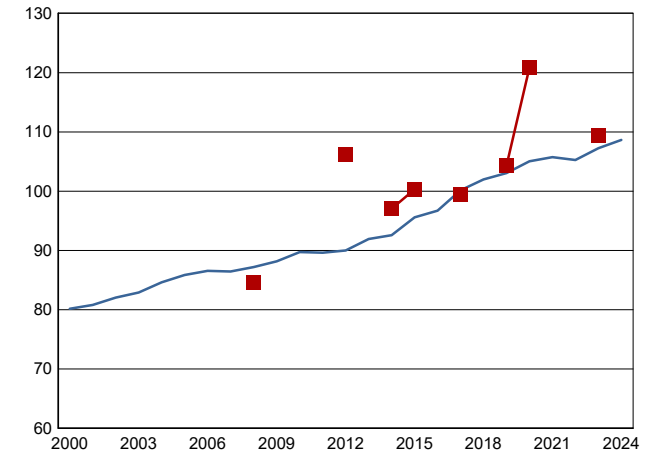
Litter Size



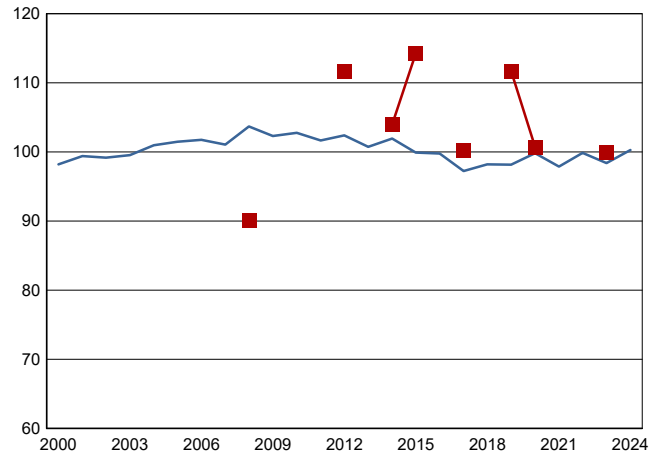
Movement



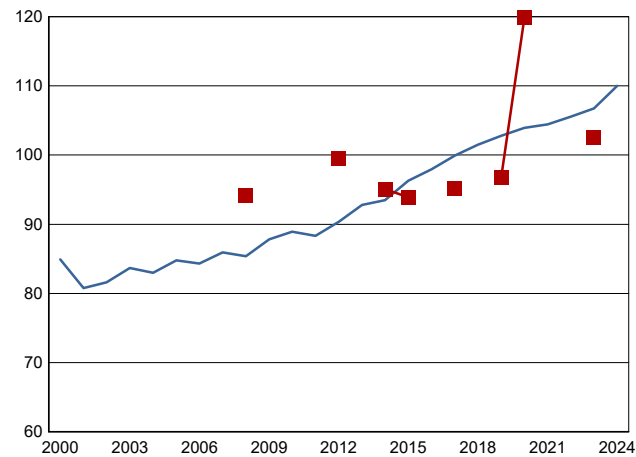
Temperament



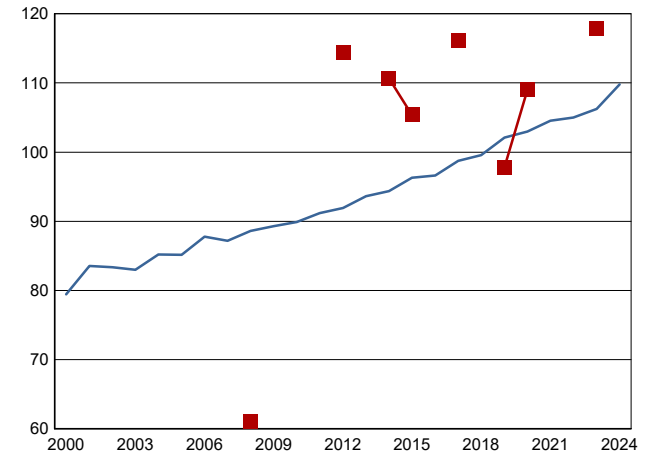
Coat



General Appearance

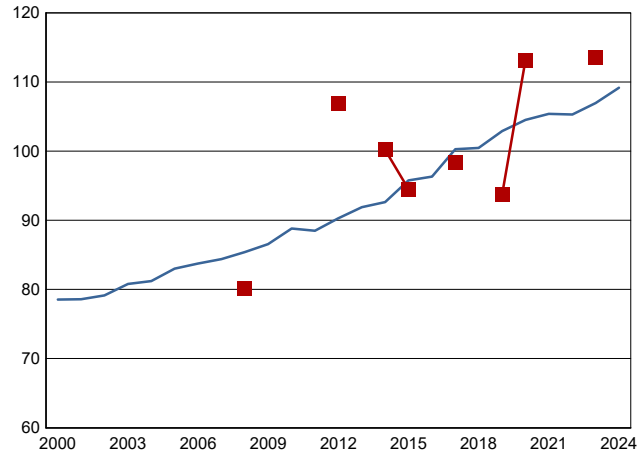


Head & Face

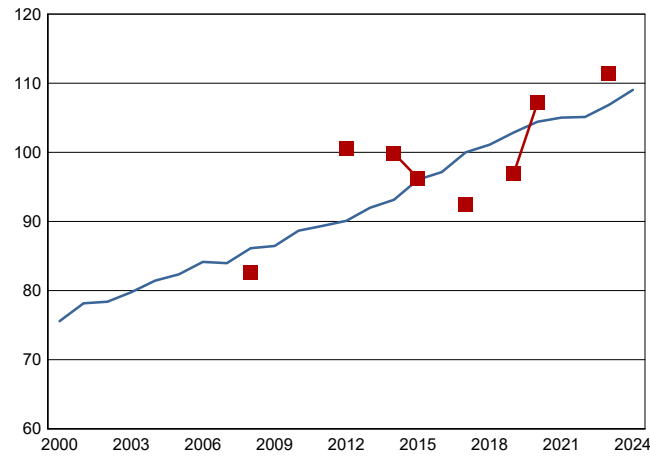


Genetic Trends

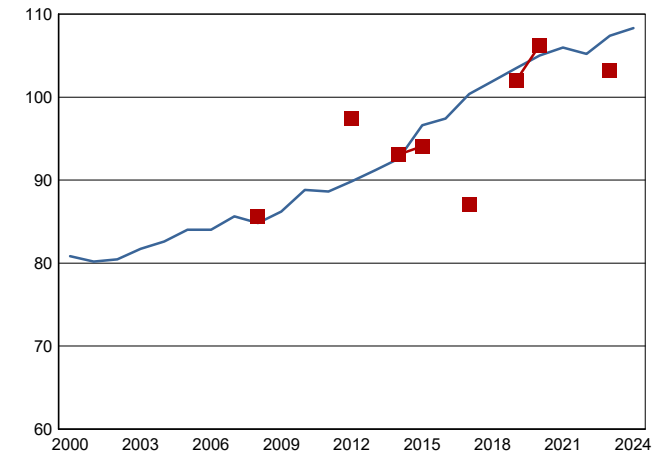
Front Quarter



Centre

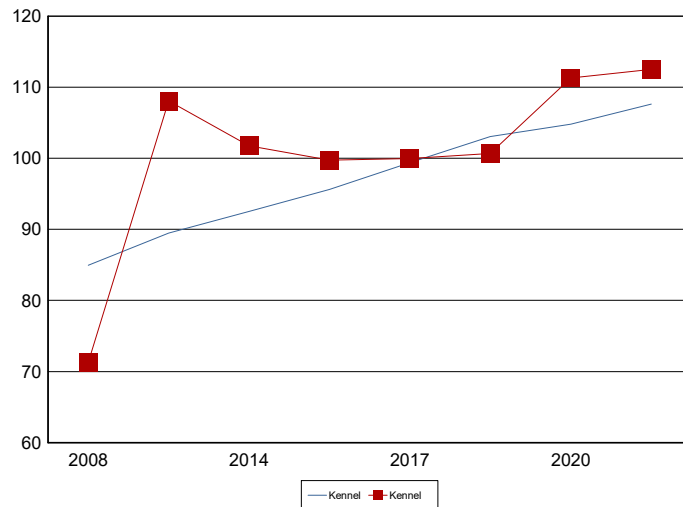


Hind Quarter

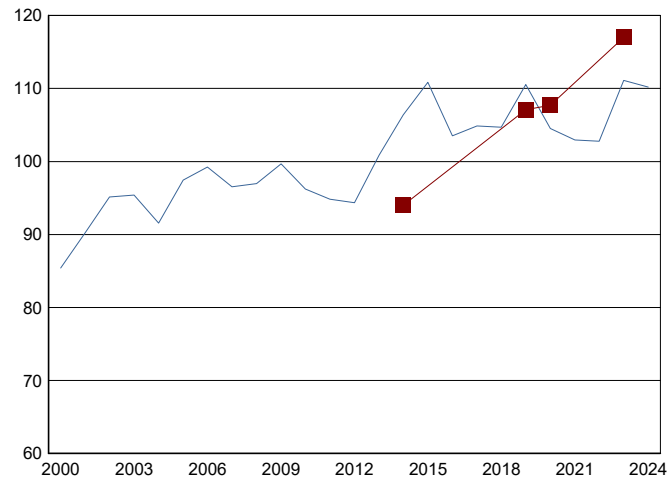


Final Score & Health Traits

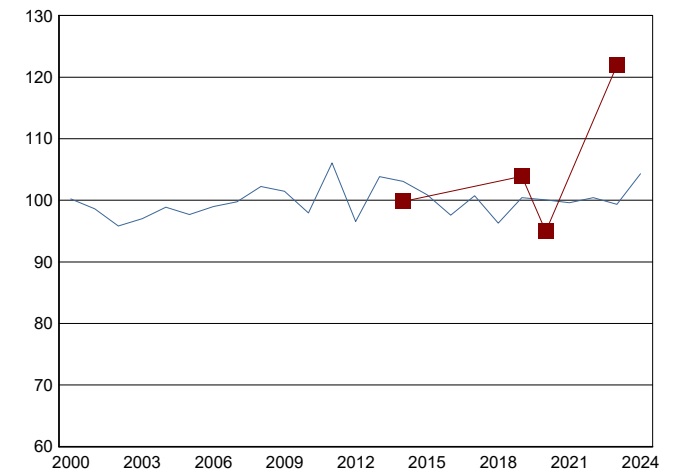
Final Score



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	
VEILIGPLEK LOKI KAJU		LUSO CHARLIE	6.89	107	104	101	99	101	111	93	100	95	95	100	100						
	2019	VEILIGPLEK KOUKIE		5	5	5	14	5	32	13	31	15	18	21	26						
VEILIGPLEK MAGNUS		LUSO CHAMP	6.89	101	102	99	92	99	109	94	99	95	90	91	95						
	2019	VEILIGPLEK KUMA		5	5	5	17	5	34	16	33	18	21	24	29						
VEILIGPLEK TIMON		VEILIGPLEK POKER	6.90	109	108	102	95	108	108	105	104	108	106	104	106						
	2025	VOICE VITA BANGA		5	5	5	24	5	39	23	38	25	27	29	34						
VEILIGPLEK THABO		VEILIGPLEK POKER	6.90	109	108	102	95	108	108	105	104	108	106	104	106						
	2025	VOICE VITA BANGA		5	5	5	24	5	39	23	38	25	27	29	34						
VOICE VITA DJOKER		MIDDELPOS BBD BRUCE	3.94	120	118	90	84	96	111	92	101	106	105	99	101						
	2025	VOICE VELD CHANGE OF THE MOON		5	27	5	26	5	39	26	38	27	29	31	35						

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	
VEILIGPLEK LAIKA	2019	LUSO CHARLIE	6.89	107	104	104	108	104	112	97	98	94	97	102	101	10	2	1			
		VEILIGPLEK KOUKIE		5	5	5	34	5	55	33	54	35	38	41	48			1			
VEILIGPLEK PIRI-PIRI	2020	QUOVADIS PARTNER IN CRIME	8.72	105	98	115	103	119	96	121	102	108	102	102	105						
		VEILIGPLEK KUMA		5	7	11	46	18	62	45	61	46	49	51	56						
VEILIGPLEK POLLIE	2020	QUOVADIS PARTNER IN CRIME	8.72	99	95	108	105	122	104	119	121	119	111	107	118	3	1	2	1	1	1
		VEILIGPLEK KUMA		8	34	17	47	19	64	46	63	48	50	53	58			2			
VEILIGPLEK QUINOA	2023	MIDDELPOS BBD JAVA	10.04	117	122	102	102	119	89	106	141	130	127	117	130						
		VEILIGPLEK POLLIE		5	5	5	40	6	57	40	56	41	43	46	51						
VEILIGPLEK RUBY	2023	VOICE VELD YURI CARDINAL	3.34	112	107	96	116	103	108	95	90	95	100	96	97						
		VEILIGPLEK LAIKA		5	16	5	31	5	54	30	52	32	35	39	46						
VOICE VITA BANGA	2023	MIDDELPOS BBD BRUCE	3.94	120	118	90	85	98	110	92	99	107	110	100	102	7	1				
		VOICE VELD CHANGE OF THE MOON		5	27	5	39	8	58	39	57	40	43	46	51						
YSTERHART LIMA	2023	VEILIGPLEK POKER	9.21	100	90	106	107	115	107	111	106	107	99	105	107						
		YSTERHART DEMO		5	5	5	22	5	38	22	37	23	26	28	33						
VEILIGPLEK SHY ROSA	2024	VEILIGPLEK POKER	13.02	103	101	109	107	111	109	107	103	102	100	104	105						
		VEILIGPLEK LAIKA		5	5	5	11	5	36	10	35	13	18	22	29						
VEILIGPLEK THEMBA	2025	VEILIGPLEK POKER	6.90	109	108	102	95	108	108	105	104	108	106	104	106						
		VOICE VITA BANGA		5	5	5	24	5	39	23	38	25	27	29	34						

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	
LUSO CHAMP	2016	JG RUKA	3.92	101	100	102	98	98	106	89	93	91	87	94	92	16	3			
		VEILIGPLEK CUBA		5	5	5	22	5	40	21	39	23	25	28	34					
LUSO CHARLIE	2016	JG RUKA	3.92	101	100	104	100	97	112	88	92	89	90	103	95	8	1	1	1	1
		VEILIGPLEK CUBA		5	5	5	28	5	47	28	46	29	32	35	41					
QUOVADIS PARTNER IN CRIME	2017	KLEIN SANDFONTEIN HUEY	19.39	109	91	135	130	143	92	139	113	130	126	131	129	108	13	36	11	10
		LOTTER SANA		24	46	40	66	42	79	66	78	67	69	71	75					
MIDDELPOS BBD BRUCE	2019	MIDDELPOS BBD GAMKA	6.87	128	135	96	95	109	110	99	118	121	115	113	117	16	3	3	1	1
		DELATRO X' SASKIA		5	36	32	53	33	62	52	62	53	55	56	59					
VEILIGPLEK POKER	2020	QUOVADIS PARTNER IN CRIME	8.72	98	97	114	105	118	105	118	109	109	103	107	110	55	6	6	2	2
		VEILIGPLEK KUMA		8	7	13	49	21	66	49	65	50	52	55	60					
MIDDELPOS BBD JAVA	2020	MIDDELPOS BBD GAMKA	6.87	135	149	96	85	107	92	99	129	124	116	107	117	27	4	4	1	1
		DELATRO X' SASKIA		11	35	32	57	35	70	57	69	58	60	62	66					
VOICE VELD YURI CARDINAL	2021	VOICE VELD UEASLEY RON	13.53	117	109	88	98	94	107	92	90	94	98	85	91	8	2	1		
		VOICE VELD HRYUSHA		25	52	5	5	5	15	5	13	5	5	5	5					

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	
VEILIGPLEK KUMA	2017	MARKHUS BALU	5.27	101	105	96	85	101	112	100	106	99	93	88	98	15	2	5	2	1	3
		VEILIGPLEK HASTA		5	5	16	45	17	63	45	62	46	49	52	57			4			1
VEILIGPLEK KOUKIE	2017	MARKHUS BALU	5.27	114	108	99	98	106	111	98	108	102	100	97	104	13	2	1	2	2	1
		VEILIGPLEK HASTA		5	5	14	31	5	45	30	44	32	34	36	40			1			1
VOICE VELD CHANGE OF THE MOON	2018	VOICE VELD MAYBAH	8.68	112	100	85	74	83	112	86	84	91	95	84	85	23	3	6	2	2	3
		VOICE VELD DIANA ROSS		5	54	5	20	5	42	19	41	21	25	28	35			5			1
VEILIGPLEK LAIKA	2019	LUSO CHARLIE	6.89	107	104	104	108	104	112	97	98	94	97	102	101	10	2	1			
		VEILIGPLEK KOUKIE		5	5	5	34	5	55	33	54	35	38	41	48			1			
VEILIGPLEK POLLIE	2020	QUOVADIS PARTNER IN CRIME	8.72	99	95	108	105	122	104	119	121	119	111	107	118	3	1	2	1	1	1
		VEILIGPLEK KUMA		8	34	17	47	19	64	46	63	48	50	53	58			2			
YSTERHART DEMO	2021	AFRIKA TARZAN	7.86	101	82	98	109	112	108	105	104	104	95	103	105	18	2	2			
		ANUKH D'NIARA		5	5	21	42	11	60	42	59	43	46	49	54			2			
VOICE VITA BANGA	2023	MIDDELPOS BBD BRUCE	3.94	120	118	90	85	98	110	92	99	107	110	100	102	7	1				
		VOICE VELD CHANGE OF THE MOON		5	27	5	39	8	58	39	57	40	43	46	51						

