

Boerboel Genetic Evaluation

SA Stud Book

February 2026

MR F.J. PINTO BORGES

RUA DO PENEDO N5

FAIAO - TERRUGEM

SINTRA

PORTUGAL



Kennel Number: 688247



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.

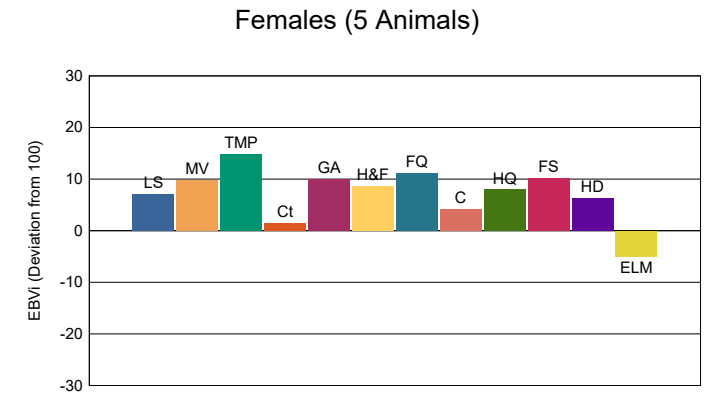
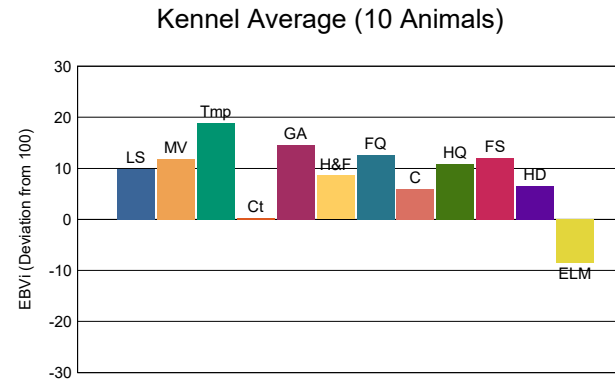
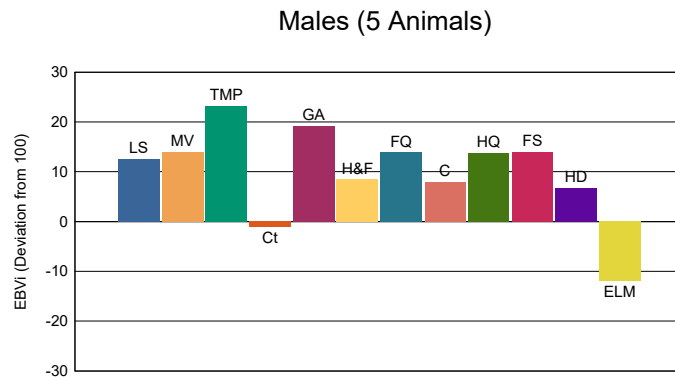
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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	113	107
Movement (Mv)	112	114	110
Temperament (Tmp)	119	123	115
Coat (Ct)	100	99	102
General Appearance	115	119	110
Head & Face (H&F)	109	108	109
Front Quarter (FQ)	113	114	111
Centre (C)	106	108	104
Hind Quarter (HQ)	111	114	108
Final Score (FS)	112	114	110
Hip Health (HH)	107	107	106
Elbow Health (ELM)	92	88	95

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.

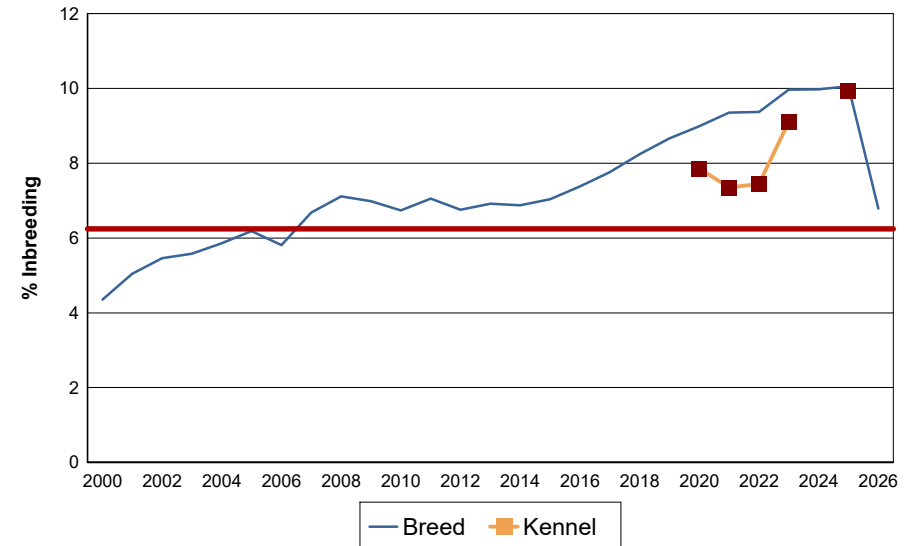
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

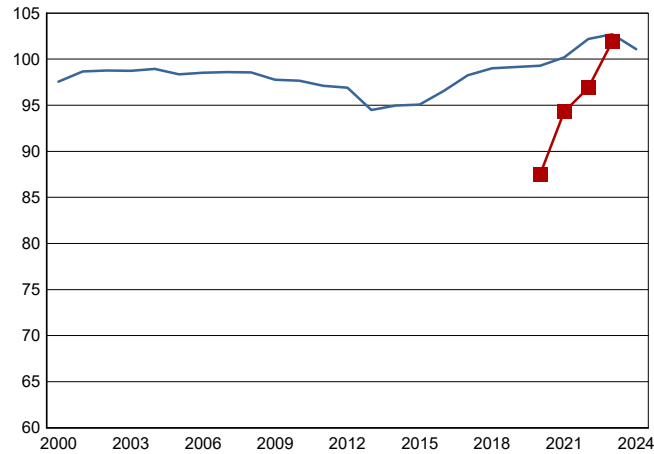


Inbreeding Levels

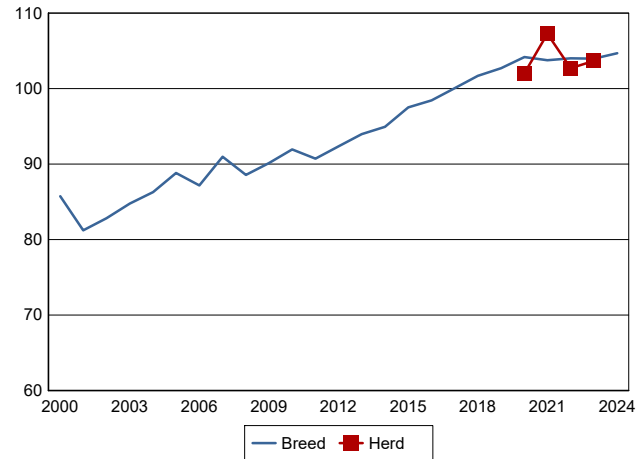
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	10	49007	5	25141	5	23857	5	3371	5	6287
Average Inbreeding	9.20	8.49	9.67	8.46	8.72	8.53	9.47	8.01	7.94	8.00
Number inbred	10	48727	5	24990	5	23728	5	24990	5	23728
Number >6.25% Inbr.	10	30600	5	15537	5	15058	4	15537	4	15058

Genetic Trends

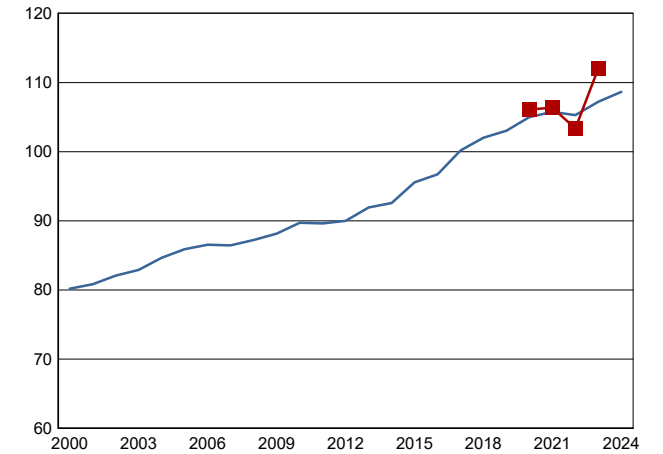
Litter Size



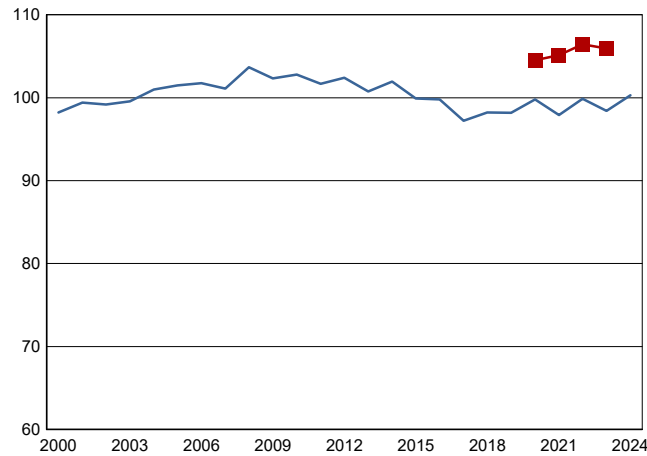
Movement



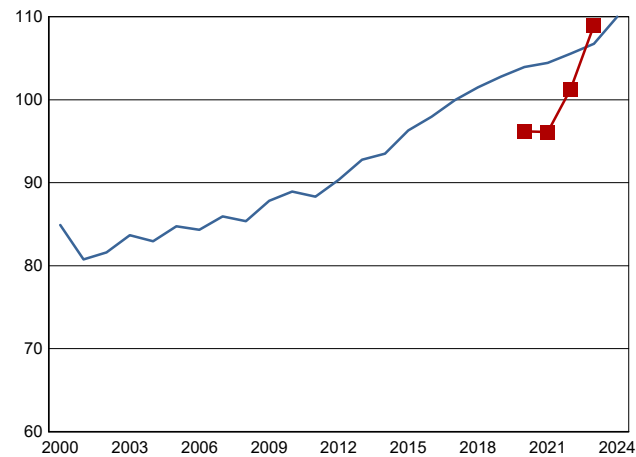
Temperament



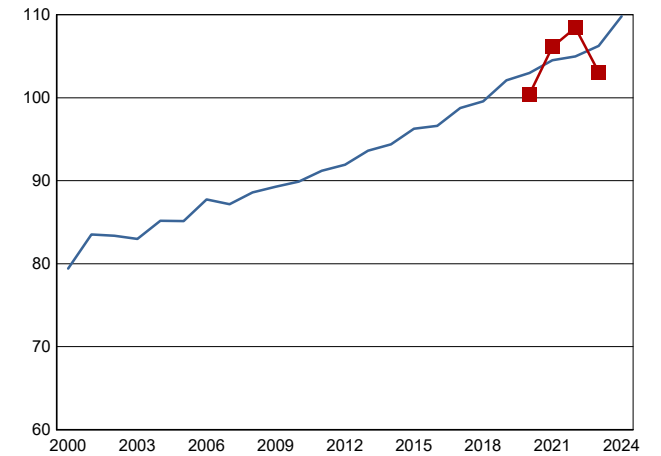
Coat



General Appearance

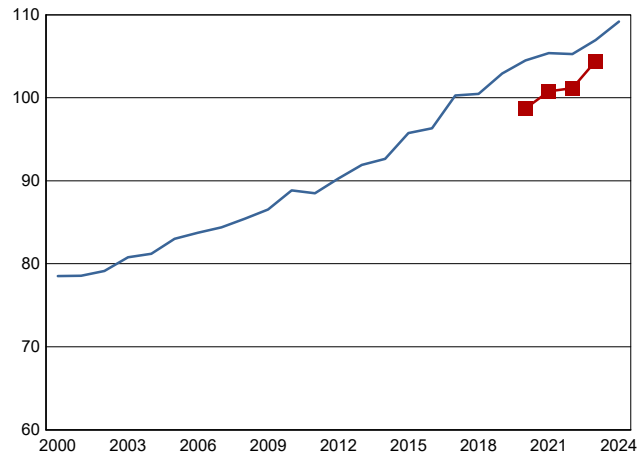


Head & Face

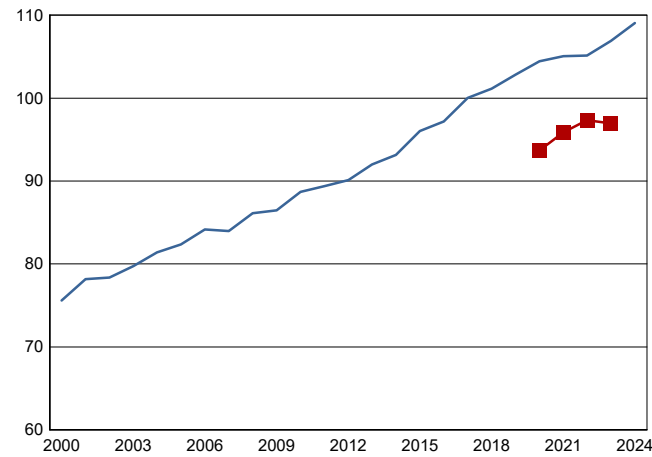


Genetic Trends

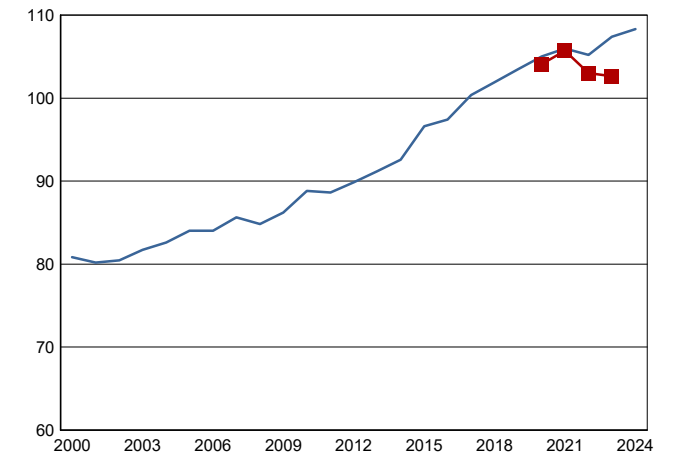
Front Quarter



Centre

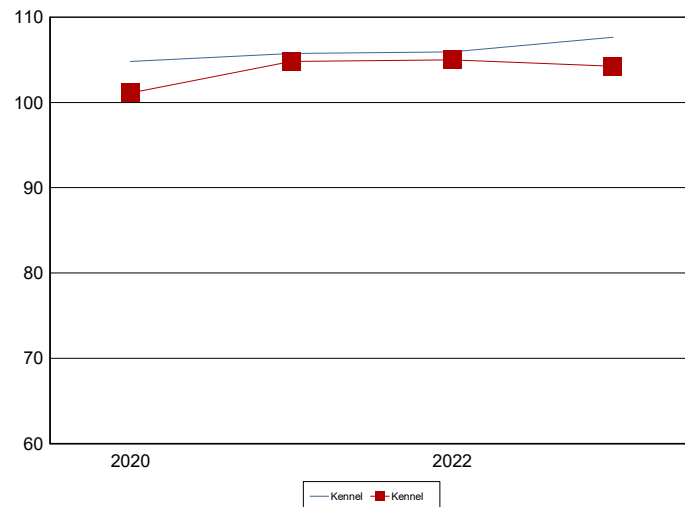


Hind Quarter

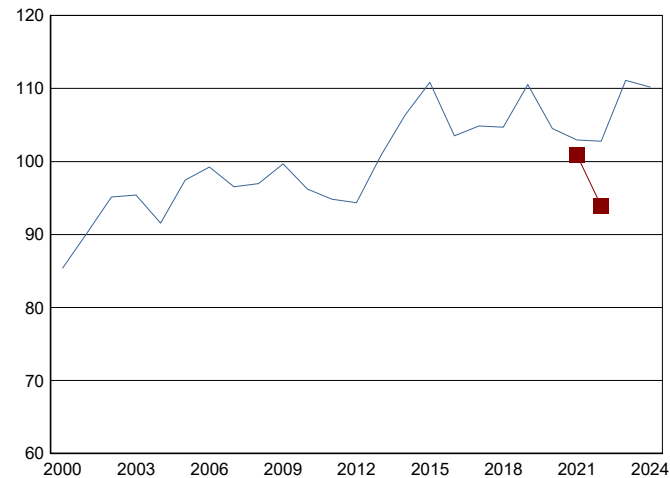


Final Score & Health Traits

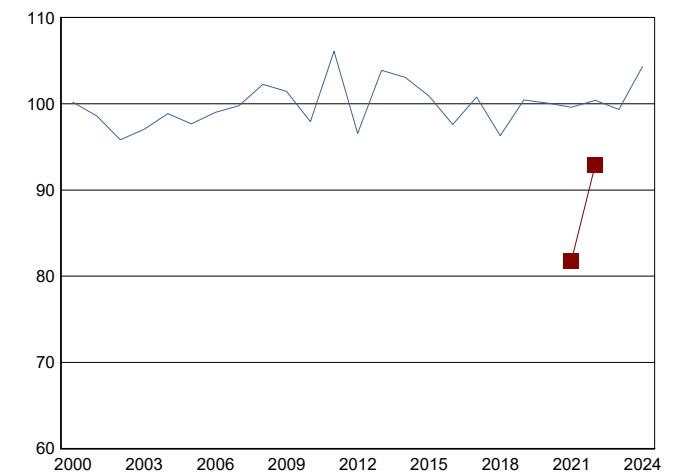
Final Score



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	
YSTERHART THOR		VEILIGPLEK POKER	8.68	113	95	97	93	105	94	109	109	102	97	101	103				
	2022	ANUKH DIVA		5	5	5	33	5	52	32	51	34	37	40	46				
YSTERHART BOWIE		QUOVADIS PARTNER IN CRIME	9.92	105	86	116	119	128	100	122	108	117	111	117	117				
	2025	YSTERHART DEMO		5	5	6	34	5	46	33	45	34	36	38	42				
YSTERHART DON VITO CORLEONE		QUOVADIS PARTNER IN CRIME	9.92	105	86	116	119	128	100	122	108	117	111	117	117				
	2025	YSTERHART DEMO		5	5	6	34	5	46	33	45	34	36	38	42				
YSTERHART ZULU		QUOVADIS PARTNER IN CRIME	9.92	105	86	116	119	128	100	122	108	117	111	117	117				
	2025	YSTERHART DEMO		5	5	6	34	5	46	33	45	34	36	38	42				
YSTERHART BIG BEN		QUOVADIS PARTNER IN CRIME	9.92	105	86	116	119	128	100	122	108	117	111	117	117				
	2025	YSTERHART DEMO		5	5	6	34	5	46	33	45	34	36	38	42				

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
ANUKH D'NIARA	2018	VEILIGPLEK FUMO ANUKH AKIRA	6.97	89 5	89 5	104 13	106 35	98 5	109 51	99 34	109 50	100 35	93 38	97 40	102 45	31	2	6 5	1	1	3 1
YSTERHART DEMO	2021	AFRIKA TARZAN ANUKH D'NIARA	7.86	101 5	82 5	98 21	109 42	112 11	108 60	105 42	104 59	104 43	95 46	103 49	105 54	18	2	2 2			
MAD MAD	2024	MIDDELPOS BBD JAVA BLACK IRON INDIANA	8.92	131 5	132 5	101 5	96 31	109 5	91 44	103 30	114 43	119 31	112 33	106 35	111 39						
YSTERHART PANDORA	2025	QUOVADIS PARTNER IN CRIME YSTERHART DEMO	9.92	105 5	86 5	116 6	119 34	128 5	100 46	122 33	108 45	117 34	111 36	117 38	117 42						
YSTERHART FLORENCE THE MACHINE	2025	QUOVADIS PARTNER IN CRIME YSTERHART DEMO	9.92	105 5	86 5	116 6	119 34	128 5	100 46	122 33	108 45	117 34	111 36	117 38	117 42						

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		
VEILIGPLEK FUMO		MIDDELPOS BBD OENNO	6.75	94	100	83	106	107	108	95	126	102	98	97	111	21	2	3	1	1	2
	2014	BLITZKRIEG BONNIE		5	5	18	46	17	63	45	62	47	49	52	57		3			1	
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	
AFRIKA TARZAN		MES RUBENSTEIN	5.62	112	75	94	109	120	101	99	99	105	99	112	106	73	8	14	2	2	4
	2018	VOLSPOED MEISIEKIND		23	32	42	61	40	75	61	74	62	64	66	70		13			2	
VEILIGPLEK POKER		QUOVADIS PARTNER IN CRIME	8.72	98	97	114	105	118	105	118	109	109	103	107	110	55	6	6	2	2	1
	2020	VEILIGPLEK KUMA		8	7	13	49	21	66	49	65	50	52	55	60		6			1	
MIDDELPOS BBD JAVA		MIDDELPOS BBD GAMKA	6.87	135	149	96	85	107	92	99	129	124	116	107	117	27	4	4	1	1	1
	2020	DELATRO X'SASKIA		11	35	32	57	35	70	57	69	58	60	62	66		4			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	
ANUKH AKIRA	2015	CABARET MAC	4.54	85	78	102	96	86	107	97	88	92	87	98	90	13	1	2	1	1	2
		AFRIKA ALOMA		5	5	30	45	21	60	45	59	46	48	50	55			2			1
ANUKH DIVA	2018	VEILIGPLEK FUMO	6.97	89	89	81	95	92	108	94	101	93	89	96	96	25	2	7	2	2	2
		ANUKH AKIRA		5	5	12	37	5	54	37	53	38	41	43	49			6			1
ANUKH D'NIARA	2018	VEILIGPLEK FUMO	6.97	89	89	104	106	98	109	99	109	100	93	97	102	31	2	6	1	1	3
		ANUKH AKIRA		5	5	13	35	5	51	34	50	35	38	40	45			5			1
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			
BLACK IRON INDIANA	2022	BLACK IRON KEEPER	13.35	127	116	106	108	111	91	107	99	114	107	104	104	9	1				
		BLACK IRON TALLY		5	12	11	43	5	61	42	60	44	47	49	55						

