

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 BUSHIDO BOERBOELS

1907 N COUNTY ROAD
LUBBOCK
TEXAS
79416



Kennel Number: 719550



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.

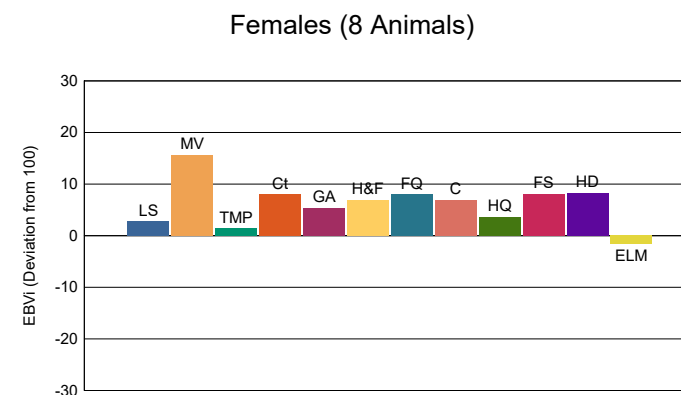
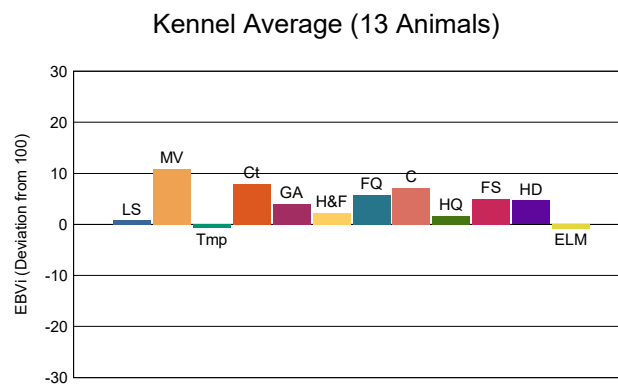
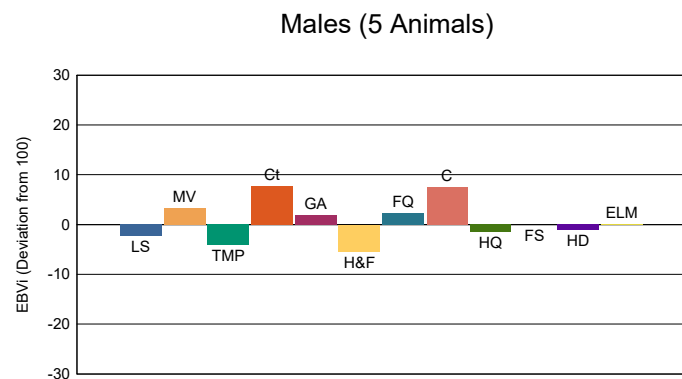
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	101	98	103
Movement (Mv)	111	103	116
Temperament (Tmp)	99	96	101
Coat (Ct)	108	108	108
General Appearance	104	102	105
Head & Face (H&F)	102	95	107
Front Quarter (FQ)	106	102	108
Centre (C)	107	108	107
Hind Quarter (HQ)	102	99	104
Final Score (FS)	105	100	108
Hip Health (HH)	105	99	108
Elbow Health (ELM)	99	100	98

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.

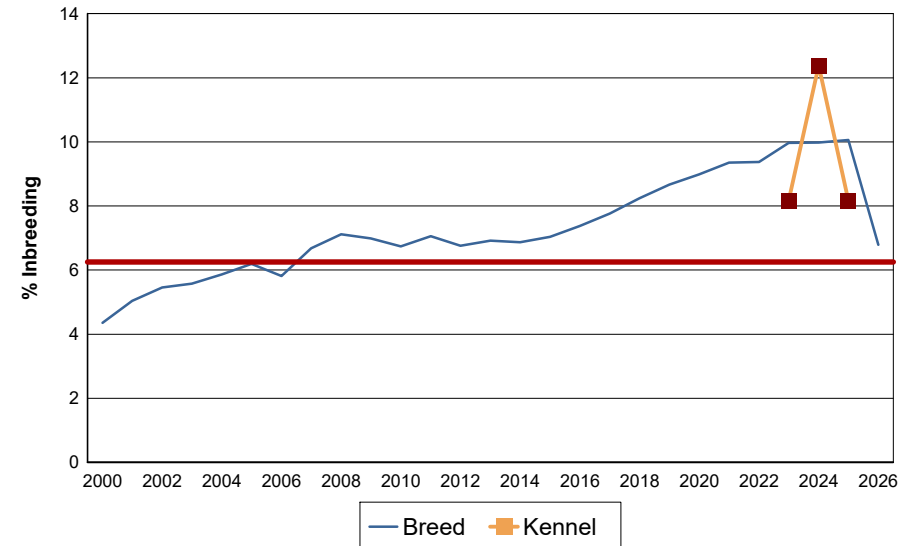
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

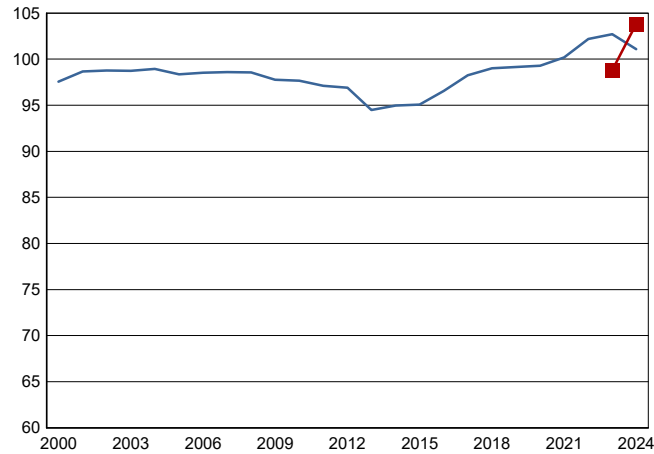


Inbreeding Levels

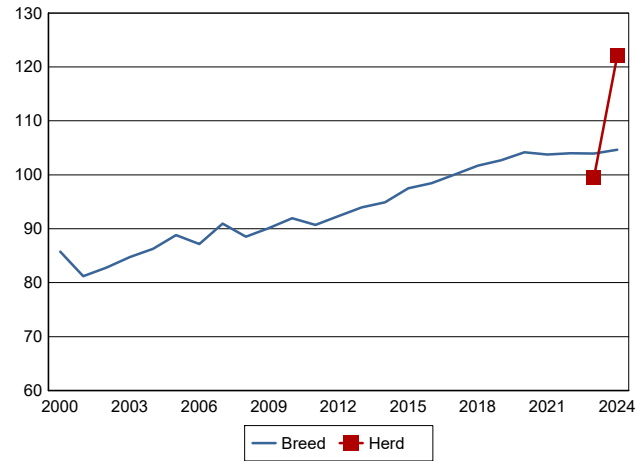
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	13	49007	5	25141	8	23857	7	3371	6	6287
Average Inbreeding	9.27	8.49	8.15	8.46	9.98	8.53	7.53	8.01	7.72	8.00
Number inbred	13	48727	5	24990	8	23728	7	24990	6	23728
Number >6.25% Inbr.	10	30600	3	15537	7	15058	4	15537	3	15058

Genetic Trends

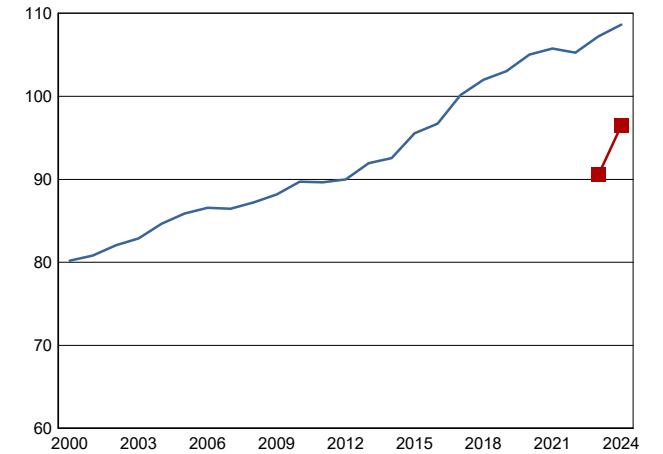
Litter Size



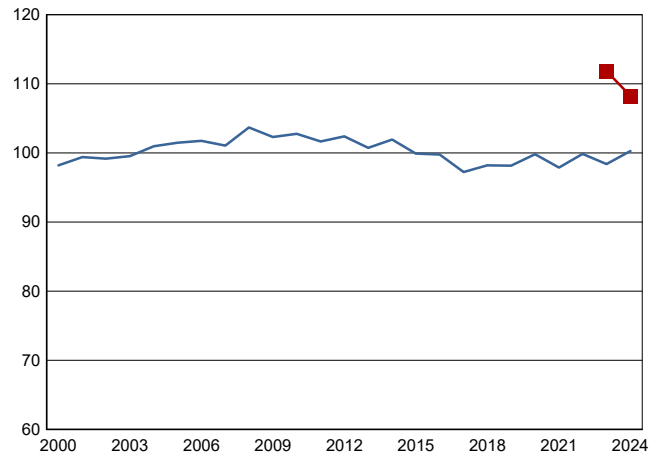
Movement



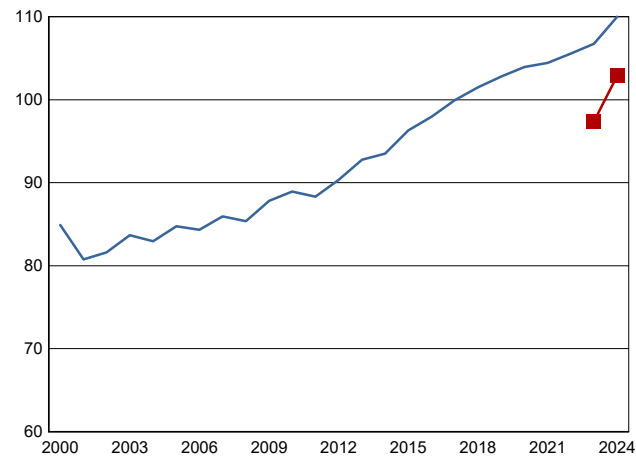
Temperament



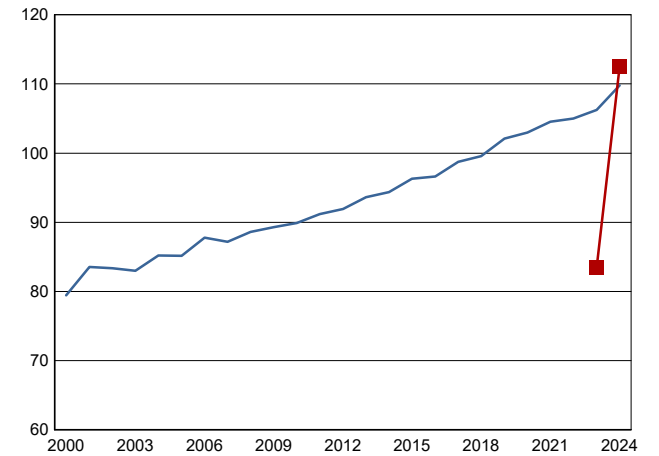
Coat



General Appearance

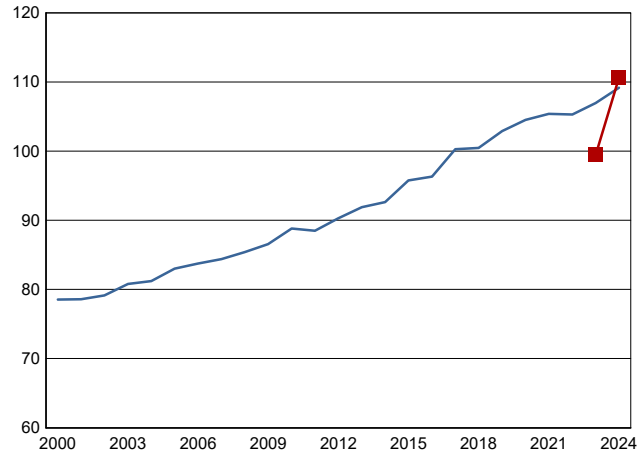


Head & Face

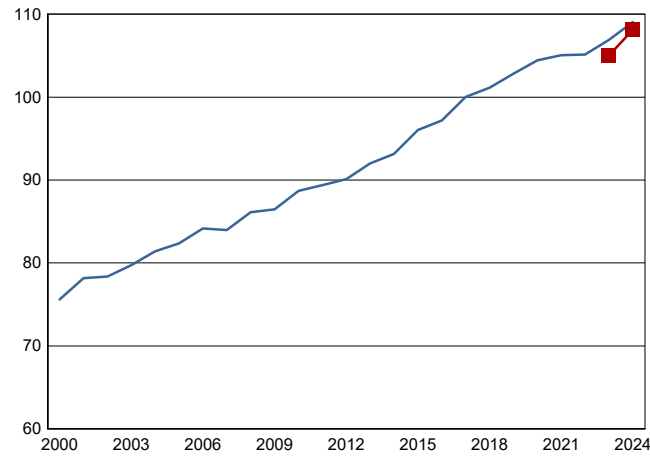


Genetic Trends

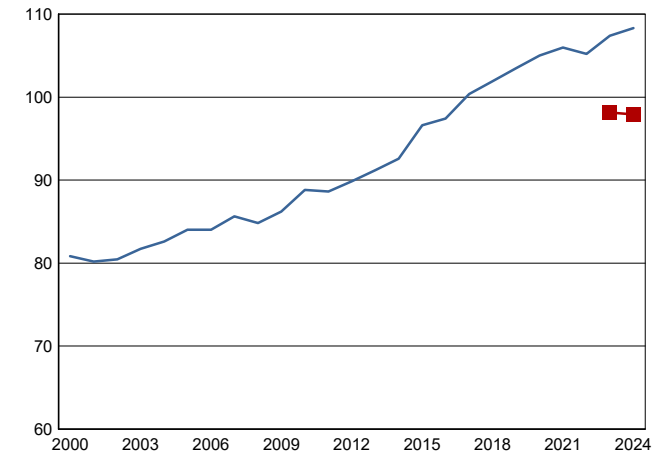
Front Quarter



Centre

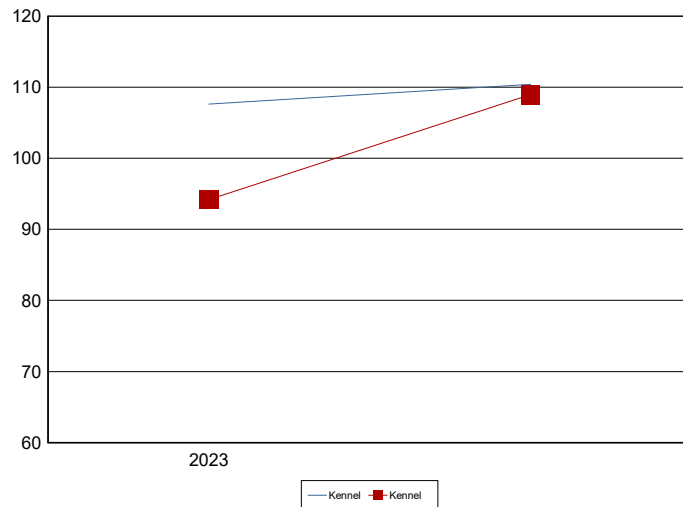


Hind Quarter

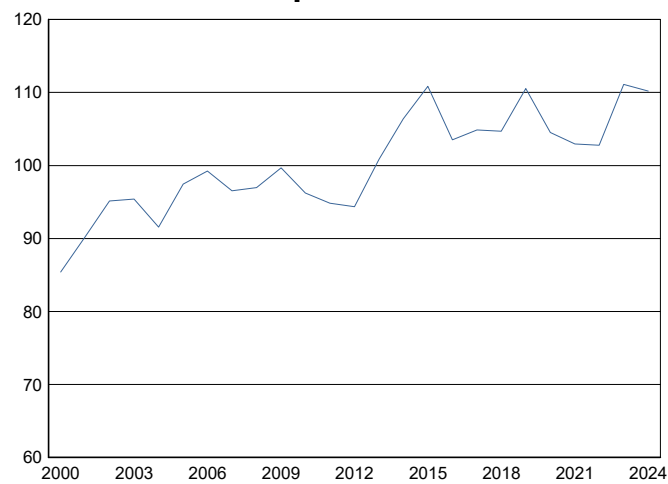


Final Score & Health Traits

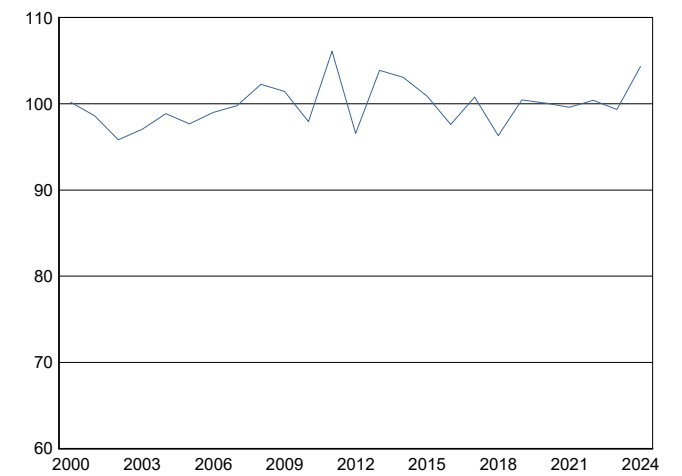
Final Score



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	
ADDICT KENNELS STEEL		GUARDIAN DANZIG	5.85	86	103	97	94	98	106	101	91	112	116	92	99	11	2	3			
	2022	TELEOIS NALA		5	5	5	41	5	61	40	60	42	45	48	54						
BUSHIDO HENRY FREDERICK		ADDICT KENNELS STEEL	8.17	97	102	99	97	96	109	102	81	106	112	104	97						
	2023	BARBARIAN ATHENA I		5	5	5	28	5	49	27	47	29	32	35	42						
BUSHIDO MIYAMOTO MUSHASHI		ADDICT KENNELS STEEL	8.17	97	102	99	94	82	115	92	80	90	102	94	89						
	2023	BARBARIAN ATHENA I		5	5	5	27	5	48	26	47	28	31	35	41						
BUSHIDO CHU		BLACK IRON TUG	12.38	115	95	104	116	87	111	96	103	100	96	85	97						
	2024	BARBARIAN ATHENA I		5	5	5	38	5	59	37	57	39	42	46	52						
PROFFER MAKOTO		PROFFER BODACIOUS II	6.20	99	100	90	117	117	98	118	117	104	111	118	118						
	2024	PROFFER DARCY		5	5	5	22	5	38	21	37	23	25	28	33						

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	
BARBARIAN ATHENA I	2022	BARBARIAN MAROTTI	6.13	108	101	101	115	93	108	100	92	98	100	106	100	19	3	6 1			
		AFRIKA JADE		5	5	22	43	7	60	42	59	44	46	49	54						
BUSHIDO TOMOE GOZEN	2023	ADDICT KENNELS STEEL	8.17	97	102	99	107	94	112	98	89	102	101	96	96						
		BARBARIAN ATHENA I		5	5	5	27	5	48	26	47	28	31	35	41						
PROFFER KENSEI SHI	2024	PROFFER DEACON	6.45	101	104	95	109	99	112	106	105	94	99	96	102						
		GOLDEN STATE JUJU		5	5	5	28	5	44	28	43	29	32	34	39						
PROFFER CIRCE	2024	PROFFER DEACON	6.45	101	104	95	102	99	115	110	112	94	98	94	104						
		GOLDEN STATE JUJU		5	5	5	41	5	61	41	60	42	45	48	54						
BUSHIDO REI	2024	BLACK IRON TUG	12.38	115	95	104	127	106	108	113	126	124	124	112	124						
		BARBARIAN ATHENA I		5	5	5	38	5	59	37	57	39	42	46	52						
BUSHIDO MEIYO	2024	BLACK IRON TUG	12.38	115	95	104	119	98	104	102	109	110	109	100	108						
		BARBARIAN ATHENA I		5	5	5	29	5	45	28	44	30	32	35	40						
BUSHIDO YU	2024	BLACK IRON TUG	12.38	115	95	104	123	97	106	100	109	107	105	97	106						
		BARBARIAN ATHENA I		5	5	5	38	5	59	37	57	39	42	46	52						
BLACK IRON HIKARI	2024	KLEIN SANDFONTEIN JUDGE	15.46	114	92	121	122	127	100	115	114	134	120	127	125						
		BLACK IRON MILLIE		5	15	7	50	21	66	49	65	51	53	55	60						

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 JUDGE		KLEIN SANDFONTEIN HUEY	7.01	132	96	117	101	121	107	119	108	147	123	109	118	290 35	65 48	9 11	33 9		
	2016	KLEIN SANDFONTEIN ASARA		41	54	52	77	56	87	76	86	77	79	81	84						
BARBARIAN MAROTTI		BARBARIAN KONAN	12.51	98	94	98	111	103	104	115	121	111	108	95	111	17 2	6 6		3 1		
	2016	BRAVAKKER BEATRICE		5	5	6	48	7	66	47	65	49	51	54	60						
PROFFER DEACON		BIG SKY BBD MAGNUS	3.80	103	96	86	100	99	97	110	108	98	97	80	97	36 5	7 7				
	2019	AFRIKA ATTILLA		5	5	21	46	18	64	45	62	46	49	52	57						
GUARDIAN DANZIG		TOKARA TAMBO	6.10	78	114	101	97	90	102	94	84	101	100	80	87	37 4	9 6		1 1		
	2020	BARBARIAN JAZMINE		5	5	13	38	5	55	38	54	39	42	44	50						
PROFFER BODACIOUS II		ELEVATION CHUCK	7.39	105	98	87	119	115	93	114	106	97	115	126	115	13 3	2 1				
	2022	GOLDEN STATE JUJU		5	5	10	46	16	64	46	63	47	50	53	58						
ADDICT KENNELS STEEL		GUARDIAN DANZIG	5.85	86	103	97	94	98	106	101	91	112	116	92	99	11 2	3 1				
	2022	TELEOIS NALA		5	5	5	41	5	61	40	60	42	45	48	54						
BLACK IRON TUG		BLACK IRON KEEPER	10.08	123	89		123	102	100	104	126	122	117	94	116	40 4	11 8				
	2022	BLUE LINE ZUMA		12	38		54	23	72	53	71	55	58	60	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	
GOLDEN STATE JUJU	2019	KLEIN SANDFONTEIN JOURNEY	5.17	99	112	104	118	98	126	102	102	91	101	111	107	14	3	2			1
		BLITZKRIEG LILA 1		5	11	29	51	23	68	51	67	52	55	57	62			2			1
TELEOIS NALA	2020	KLOPDISSELBOOM SUPER KHAN	10.92	95	92	92	108	109	119	111	115	121	127	109	119	32	3	6			1
		TELEOIS BROOKLYN		5	5	5	48	7	65	47	64	49	52	54	60			5			1
AFRIKA JADE	2020	AFRIKA SAMBA	10.92	117	107	106	105	83	106	88	85	95	93	107	93	17	2	6			3
		MES MISHA II		5	14	36	54	30	69	54	68	55	57	60	64			6			1
BARBARIAN ATHENA I	2022	BARBARIAN MAROTTI	6.13	108	101	101	115	93	108	100	92	98	100	106	100	19	3	6			
		AFRIKA JADE		5	5	22	43	7	60	42	59	44	46	49	54			1			
PROFFER DARCY	2022	DELATRO ELIJA	5.07	94	101	94	114	120	103	121	128	110	108	111	121	7	2				
		PROFFER COOKIE		5	5	5	40	5	59	39	58	41	44	47	53						
BLACK IRON MILLIE	2023	QUOVADIS PARTNER IN CRIME	8.09	96	89	124	136	127	109	115	107	114	117	141	126	11	1	1			
		BLACK IRON BOSTON		15	43	31	51	23	68	51	67	52	54	57	62			1			

