

Boerboel Genetic Evaluation

SA Stud Book

February 2026

0 0 FORESTELL SHEPPARD

12128 CRITERION AVE
SAINT LOUIS
MISSOURI
USA



Kennel Number: 705338



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.

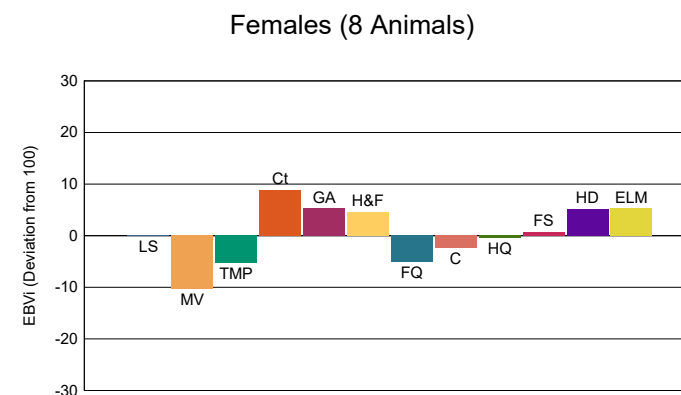
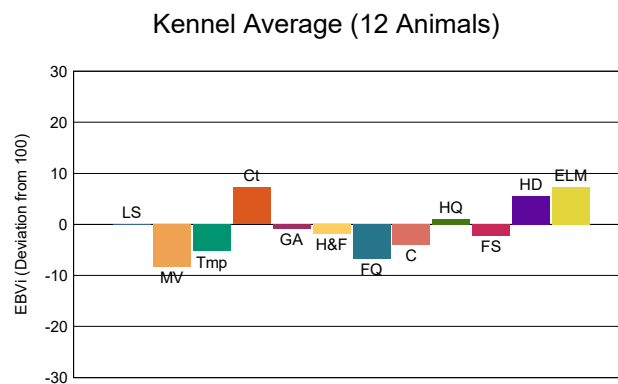
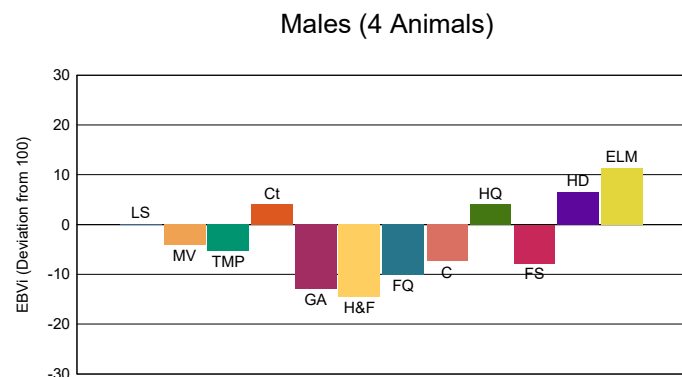
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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	100	100
Movement (Mv)	92	96	90
Temperament (Tmp)	95	95	95
Coat (Ct)	107	104	109
General Appearance	99	87	105
Head & Face (H&F)	98	85	105
Front Quarter (FQ)	93	90	95
Centre (C)	96	93	98
Hind Quarter (HQ)	101	104	100
Final Score (FS)	98	92	101
Hip Health (HH)	106	107	105
Elbow Health (ELM)	107	111	105

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.

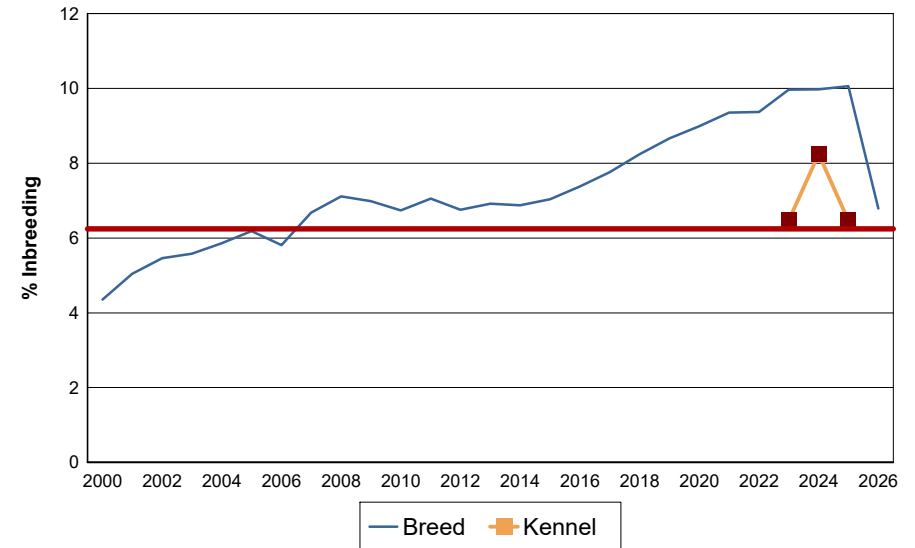
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

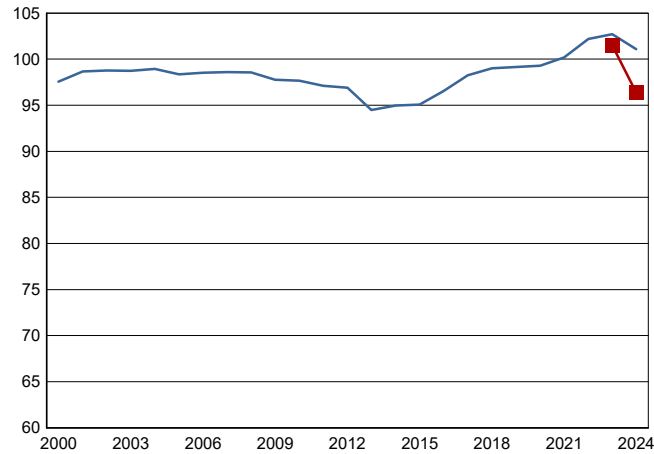


Inbreeding Levels

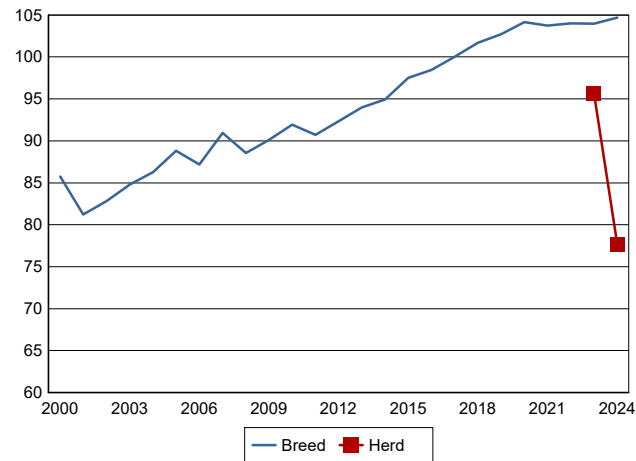
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	12	49007	4	25141	8	23857	6	3371	6	6287
Average Inbreeding	7.86	8.49	6.87	8.46	8.35	8.53	7.99	8.01	8.16	8.00
Number inbred	12	48727	4	24990	8	23728	6	24990	6	23728
Number >6.25% Inbr.	10	30600	4	15537	6	15058	5	15537	3	15058

Genetic Trends

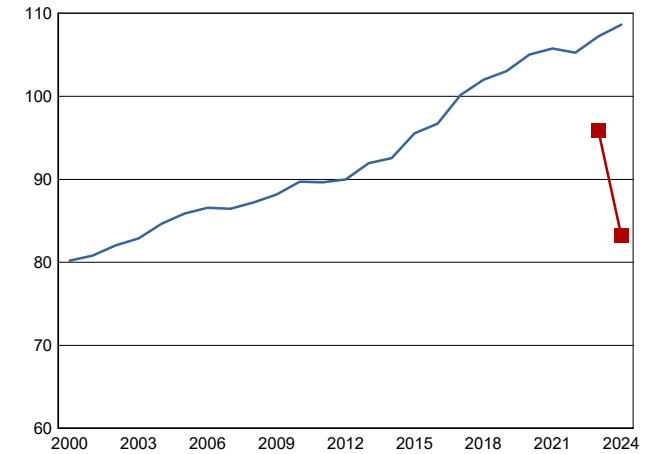
Litter Size



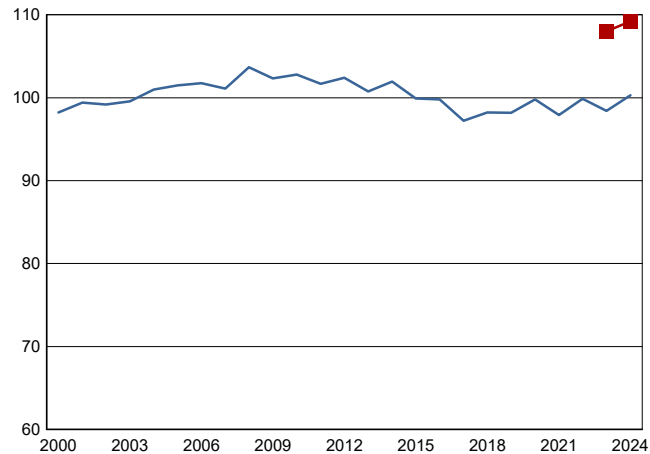
Movement



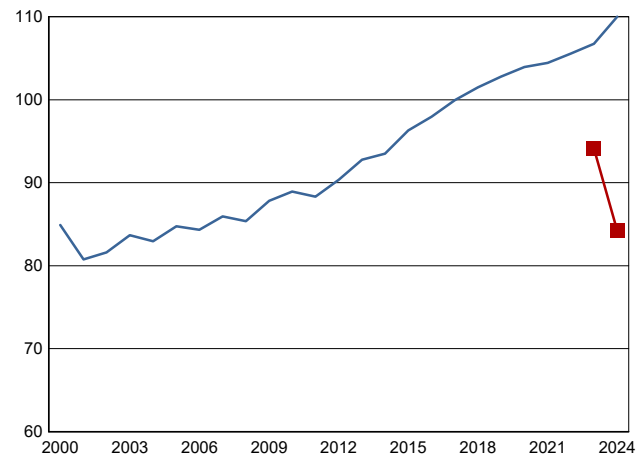
Temperament



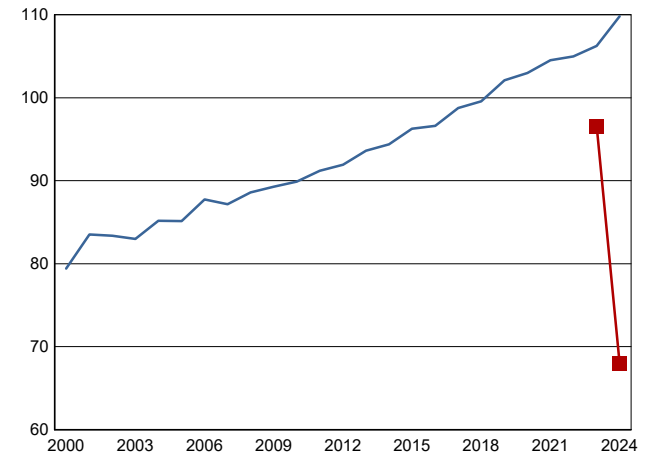
Coat



General Appearance

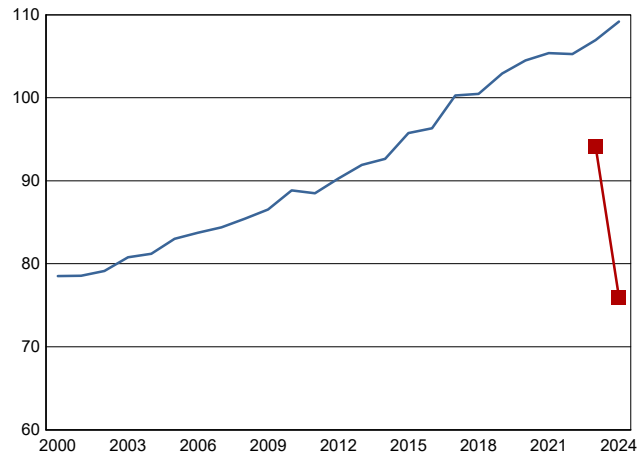


Head & Face

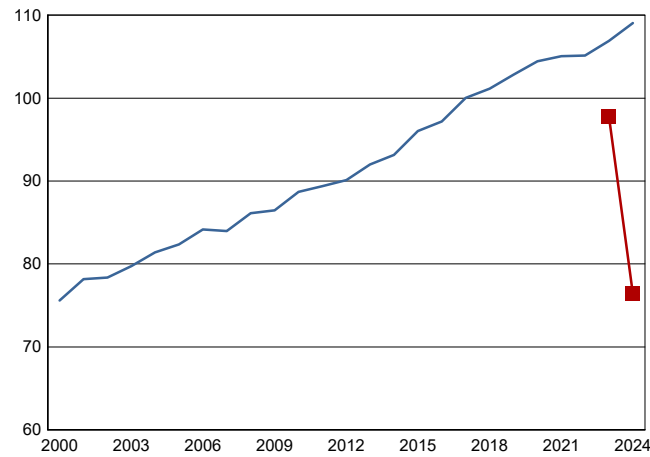


Genetic Trends

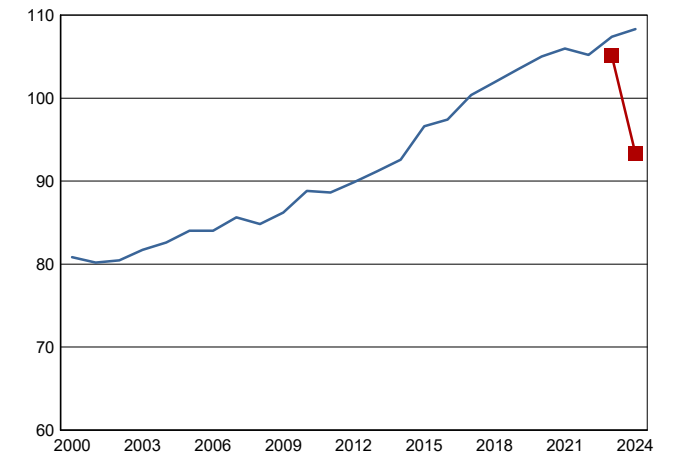
Front Quarter



Centre

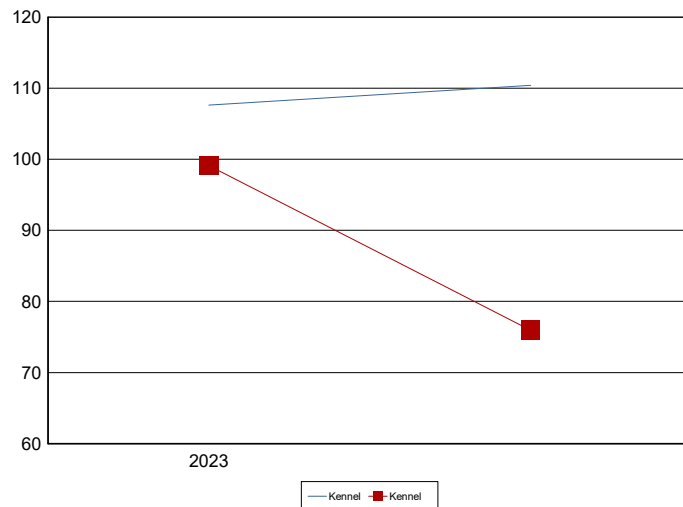


Hind Quarter

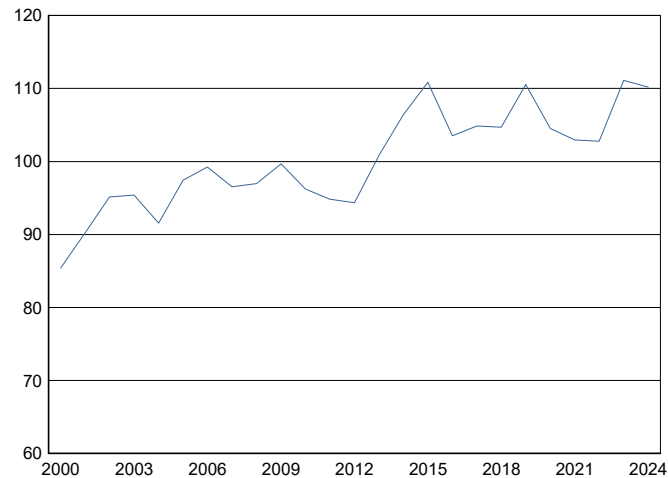


Final Score & Health Traits

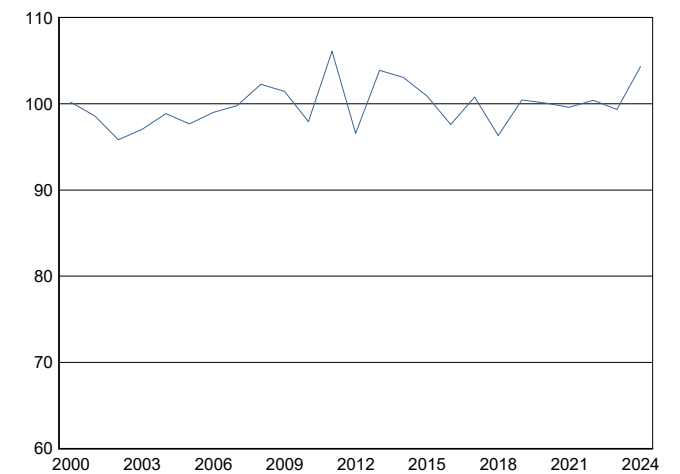
Final Score



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	
TOKARA SIMMIE		MIDDELPOS BBD BUDDY I	8.05	110	116	96	97	91	92	66	52	77	77	101	72	13	4	3			
	2020	TOKARA MIA 6		5	5	15	45	17	62	43	61	46	49	51	56			3			
4 STL KENNELS BOBO		TOKARA SIMMIE	6.47	105	110	102	96	96	108	94	97	94	98	105	99						
	2023	CONCRETE MEDUSA		5	5	5	20	5	35	17	34	21	23	26	30						
4 STL KENNELS OBI		TOKARA SIMMIE	6.47	105	110	102	96	96	108	94	97	94	98	105	99						
	2025	CONCRETE MEDUSA		5	5	5	20	5	35	17	34	21	23	26	30						
4 STL KENNELS RUNTZ		TOKARA SIMMIE	6.47	105	110	102	96	96	108	94	97	94	98	105	99						
	2025	CONCRETE MEDUSA		5	5	5	20	5	35	17	34	21	23	26	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	Litters	Progeny Kennels	Hips	Elbows	
CONCRETE MEDUSA		TOP TIER GHOST	5.57	100	104	107	95	101	124	123	142	111	119	109	127	16	3	5		2	
	2020	CONCRETE LAYLA		5	5	11	41	5	60	40	59	42	45	48	54			4	1		
CONCRETE TAY		CONCRETE KUBO ZULU	17.73	105	99	91	76	84	117	111	88	83	85	95	88	1	1	1			
	2021	CONCRETE STORM		5	5	5	24	5	51	23	50	26	30	35	43			1			
CONCRETE ARIZONA		MIDDELPOS BBD PABLO 1	7.20	109	106	102	82	96	113	127	156	115	108	90	123	3	1	1			
	2022	CONCRETE MEDUSA		5	5	16	42	7	61	39	59	43	46	49	54			1			
4 STL KENNELS REMY		TOKARA SIMMIE	6.47	105	110	102	96	96	108	94	97	94	98	105	99						
	2023	CONCRETE MEDUSA		5	5	5	20	5	35	17	34	21	23	26	30						
4 STL KENNELS SERENA		TOKARA SIMMIE	6.47	105	110	102	96	96	108	94	97	94	98	105	99						
	2023	CONCRETE MEDUSA		5	5	5	20	5	35	17	34	21	23	26	30						
4 STL KENNELS ANNA		TOKARA SIMMIE	9.99	110	111	99	89	94	103	97	104	96	93	95	97						
	2024	CONCRETE ARIZONA		5	5	5	21	5	36	14	36	22	24	27	32						
4 STL KENNELS RENESMEE		TOKARA SIMMIE	7.32	108	108	94	67	72	105	72	37	57	56	84	53						
	2024	CONCRETE TAY		5	5	5	24	5	45	23	44	25	28	32	38						
4 STL KENNELS PHOEBE LYN MALONE		PROFFER DOC HOLIDAY	6.10	99	95	104	117	119	94	125	116	109	125	113	119						
	2024	CONCRETE MEDUSA		5	5	5	26	5	41	25	40	27	29	31	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 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	
TOP TIER GHOST		STL TUFF	5.65	102	110	99	92	110	76	106	136	119	115	98	116	19 2	8				3
	2017	NOBLE LADY ANNIE		5	5	10	48	18	66	47	65	49	51	54	60						1
CONCRETE KUBO ZULU		STL KASPER	8.65	99	97	101	77	87	126	122	105	85	96	102	101	4 1	1				1
	2018	CONCRETE MOGGIE		5	5	5	35	5	50	34	49	36	38	40	45						1
MIDDELPOS BBD PABLO 1		AFRIKA LEO 5	12.17	117	108	98	77	86	97	107	123	100	79	77	95	15 1	8		1	1	4
	2018	MIDDELPOS BBD KERRIE		19	37	39	54	31	66	53	65	54	56	58	62						2
MIDDELPOS BBD BUDDY I		MIDDELPOS BBD GAMKA	6.87	126	130	99	104	110	93	89	100	113	105	111	105	32 4	7				6
	2019	DELATRO X'SASKIA		5	17	36	58	37	69	57	69	59	61	62	66						1
PROFFER DOC HOLIDAY		BIG SKY BBD MAGNUS	6.55	98	87	101	139	137	64	128	91	106	131	117	112	6 3	2				2
	2020	ELEVATION PAMELA		5	5	20	51	24	68	51	67	52	54	57	62						1
TOKARA SIMMIE		MIDDELPOS BBD BUDDY I	8.05	110	116	96	97	91	92	66	52	77	77	101	72	13 4	3				
	2020	TOKARA MIA 6		5	5	15	45	17	62	43	61	46	49	51	56						

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		Sire		Hips	Elbows	Litter Size	Move-	Tempe-r	Coat	General	Head &	Front	Centre	Hind	Final	Progeny	Litters	Progeny	Hips	Elbows	
	BYr	Dam	%	Acc.	Acc.	Acc.	ment	ament		Appear.	Face	Quarter		Quarter	Score			Kennels			
CONCRETE LAYLA		STL KASPER	8.65	99	97	105	91	91	139	117	91	82	97	110	101	6		4		3	
	2018	CONCRETE MOGGIE		5	5	5	44	6	63	44	62	45	48	51	57			4			1
TOKARA MIA 6		MES BARETTA	4.99	95	102	94	98	84	86	70	62	73	78	99	74	13	2	2		2	
	2018	CDH JENNY		5	5	36	43	22	57	42	56	44	46	48	52			2			1
CONCRETE STORM		STL KASPER	4.84	112	101	89	80	87	113	99	88	90	84	89	87	15	4	6		2	
	2019	STL ROSIE		5	5	21	43	16	58	42	57	44	46	48	53			5			1
CONCRETE MEDUSA		TOP TIER GHOST	5.57	100	104	107	95	101	124	123	142	111	119	109	127	16	3	5		2	
	2020	CONCRETE LAYLA		5	5	11	41	5	60	40	59	42	45	48	54			4			1
CONCRETE TAY		CONCRETE KUBO ZULU	17.73	105	99	91	76	84	117	111	88	83	85	95	88	1	1	1			
	2021	CONCRETE STORM		5	5	5	24	5	51	23	50	26	30	35	43			1			
CONCRETE ARIZONA		MIDDELPOS BBD PABLO 1	7.20	109	106	102	82	96	113	127	156	115	108	90	123	3	1	1			
	2022	CONCRETE MEDUSA		5	5	16	42	7	61	39	59	43	46	49	54			1			

