

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 R & R PROFFER

HC 64 BOX 4660
MARBLE HILL, MISSOURIE
63764, USA
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Kennel Number: 612129



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.

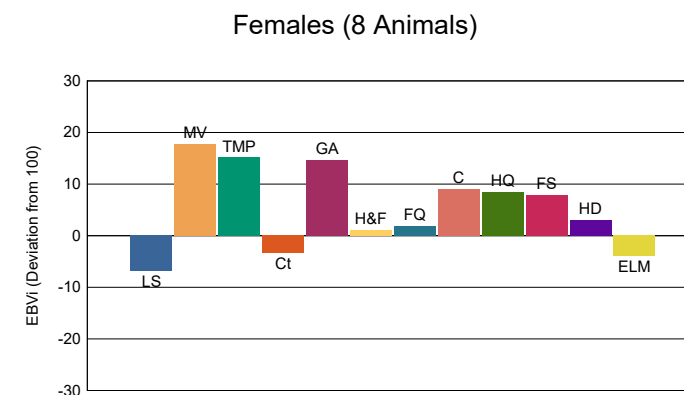
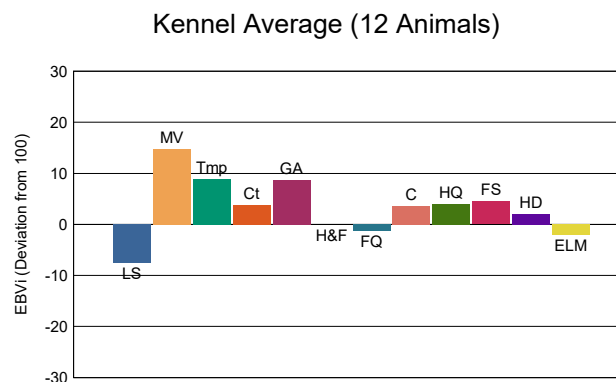
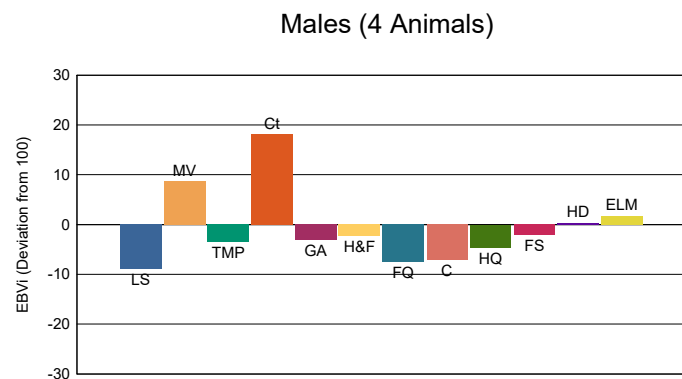
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	92	91	93
Movement (Mv)	115	109	118
Temperament (Tmp)	109	97	115
Coat (Ct)	104	118	97
General Appearance	109	97	115
Head & Face (H&F)	100	98	101
Front Quarter (FQ)	99	92	102
Centre (C)	104	93	109
Hind Quarter (HQ)	104	95	108
Final Score (FS)	105	98	108
Hip Health (HH)	102	100	103
Elbow Health (ELM)	98	102	96

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.

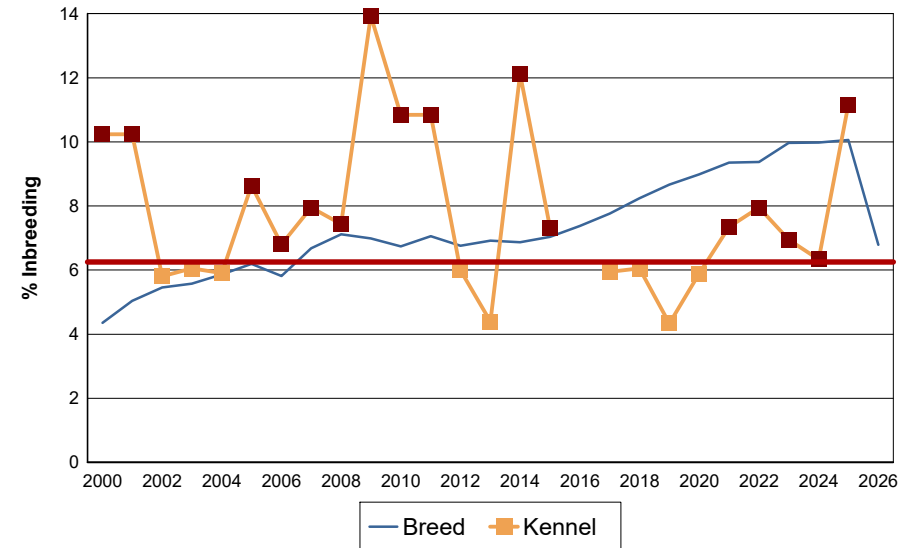
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

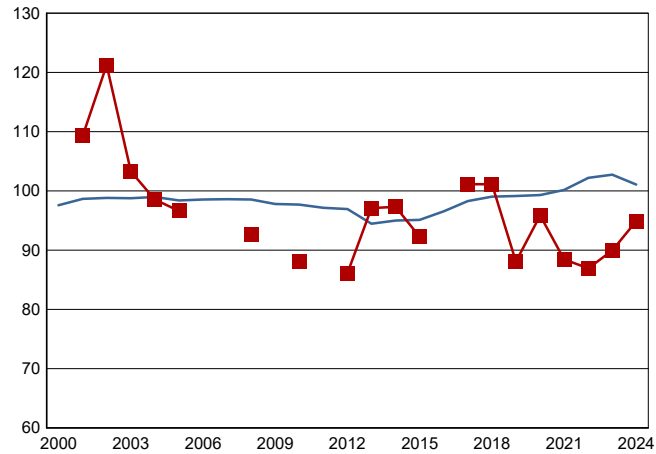


Inbreeding Levels

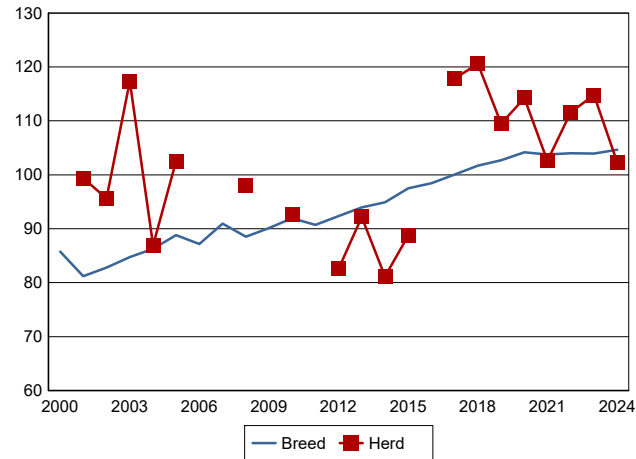
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	12	49007	4	25141	8	23857	9	3371	10	6287
Average Inbreeding	8.22	8.49	7.34	8.46	8.66	8.53	7.46	8.01	7.92	8.00
Number inbred	12	48727	4	24990	8	23728	9	24990	10	23728
Number >6.25% Inbr.	8	30600	2	15537	6	15058	5	15537	6	15058

Genetic Trends

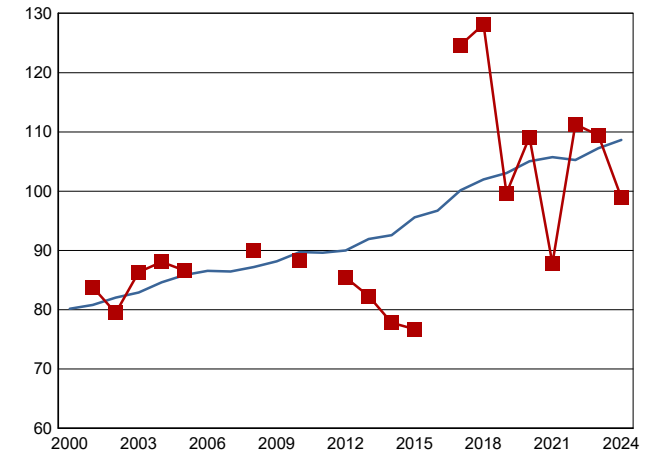
Litter Size



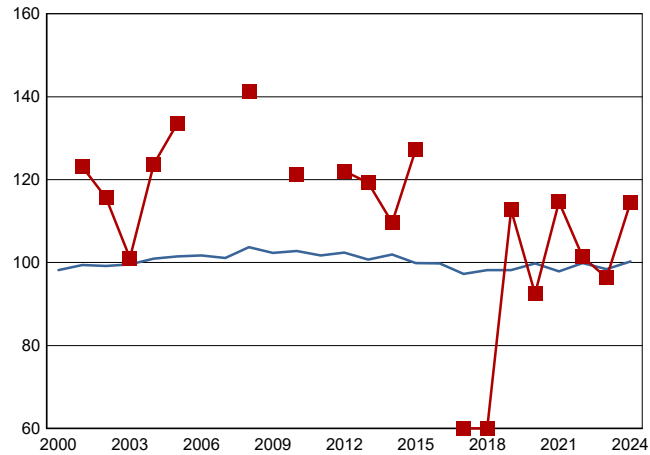
Movement



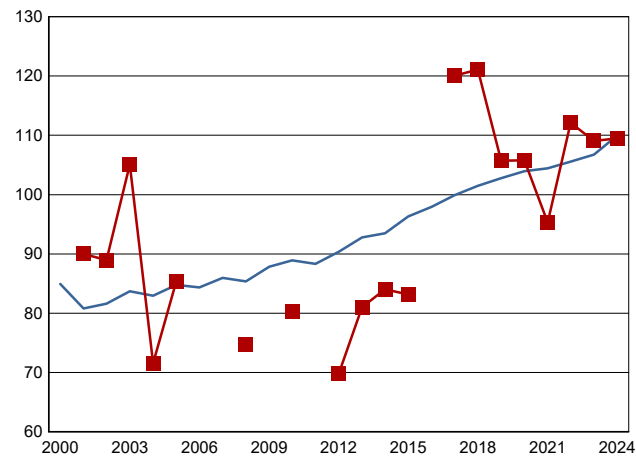
Temperament



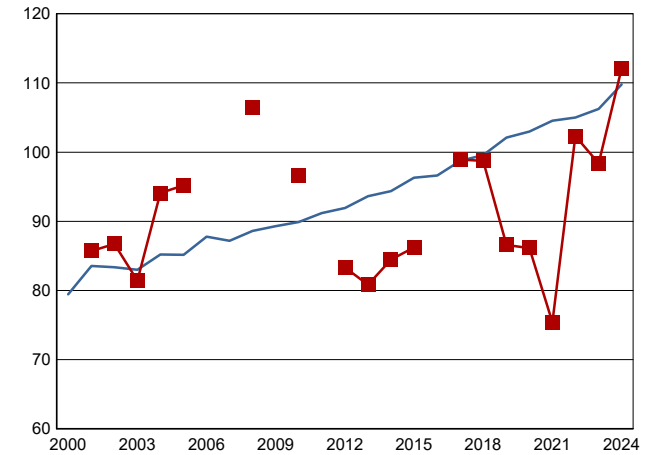
Coat



General Appearance

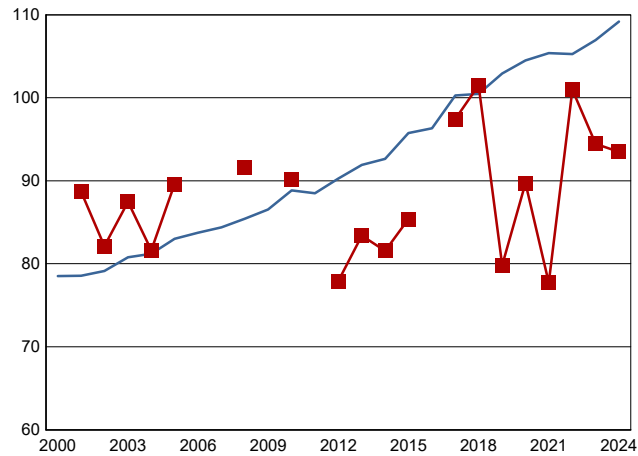


Head & Face

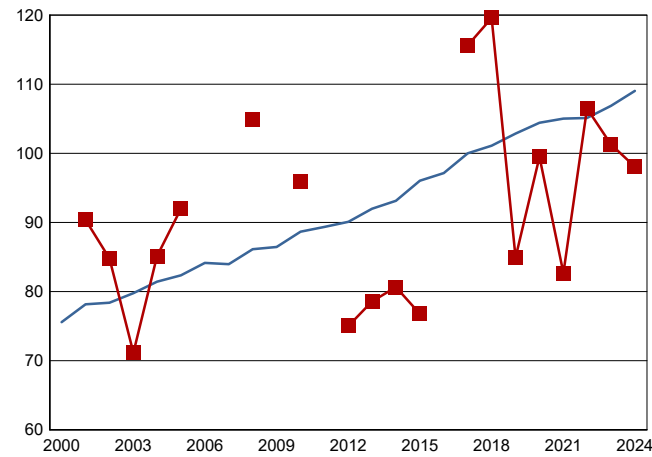


Genetic Trends

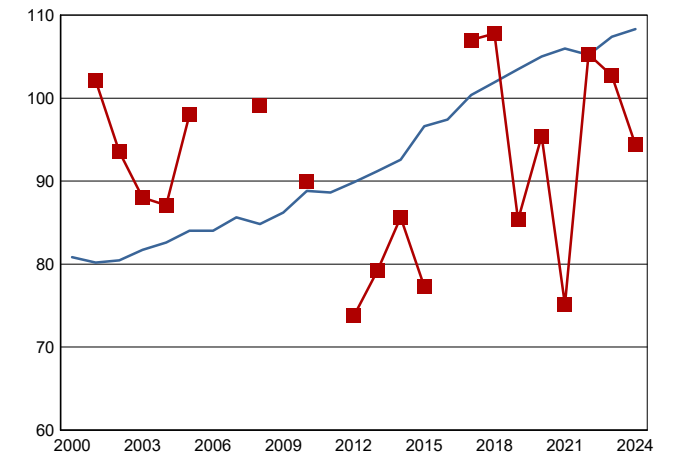
Front Quarter



Centre

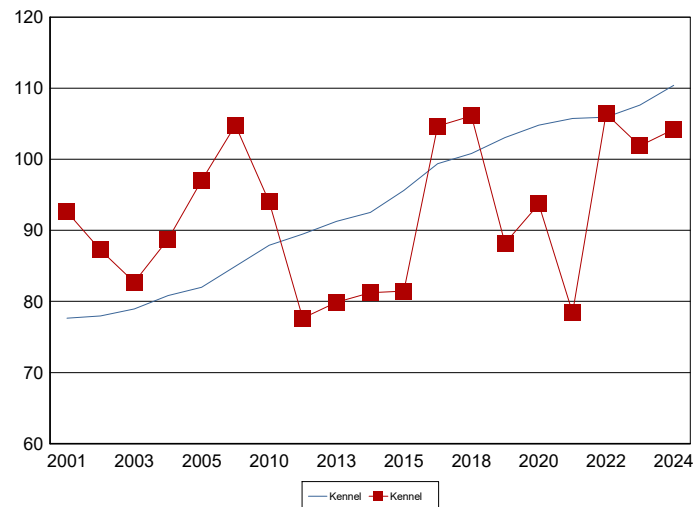


Hind Quarter

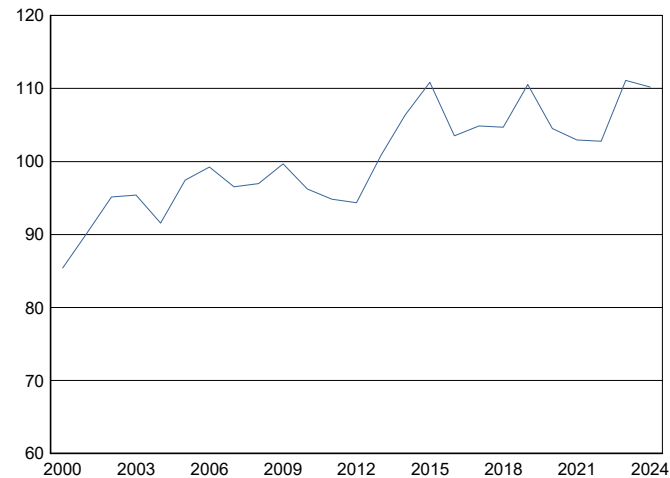


Final Score & Health Traits

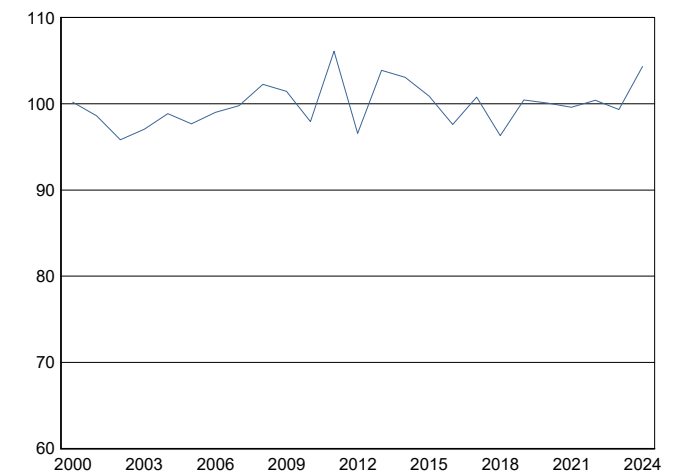
Final Score



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	
BOWERS CRIXUS		PROFFER BOSS DOG	12.98	94	101	92	96	75	151	68	84	80	63	76	79	8	1	2			1
	2018	PROFFER BOUGIE GIRL		5	5	5	29	5	56	28	54	31	35	39	47			2			1
GOLDEN STATE LEONIDAS		KLEIN SANDFONTEIN JOURNEY	5.17	99	112	100	120	98	130	96	92	96	96	100	100	18	4	3			2
	2019	BLITZKRIEG LILA 1		5	11	23	49	20	65	48	64	50	52	55	60			3			1
PROFFER DEACON		BIG SKY BBD MAGNUS	3.80	103	96	86	100	99	97	110	108	98	97	80	97	36	5	7			
	2019	AFRIKA ATTILLA		5	5	21	46	18	64	45	62	46	49	52	57			7			
PROFFER BODACIOUS II		ELEVATION CHUCK	7.39	105	98	87	119	115	93	114	106	97	115	126	115	13	3	2			
	2022	GOLDEN STATE JUJU		5	5	10	46	16	64	46	63	47	50	53	58			1			

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	
PROFFER GRACIE MAE	2020	ELEVATION CHUCK	5.38	103	93	74	105	101	124	102	97	101	98	102	102	16	2	6 6			
		BOWERS GIZMO		5	5	21	40	5	61	39	59	41	44	47	54						
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						
PROFFER SOPHIE	2022	ELEVATION CHUCK	13.63	105	86	98	122	129	83	121	83	108	129	121	109	9	1				
		PROFFER ANNIE OAKLEY		5	5	16	40	5	59	40	58	41	44	47	53						
PROFFER NOVA	2023	PROFFER BODACIOUS II	7.02	98	102	91	121	117	88	117	101	90	105	116	108						
		PROFFER COOKIE		5	5	5	38	5	58	37	57	39	42	45	51						
PROFFER MOXI	2023	PROFFER BODACIOUS II	7.02	98	102	91	131	117	96	112	96	86	96	114	104						
		PROFFER COOKIE		5	5	5	37	5	57	36	55	38	40	44	50						
PROFFER GYPSY	2023	GOLDEN STATE LEONIDAS	8.20	98	100	95	116	111	86	107	94	96	106	102	100	5	1				
		PROFFER BELLE STAR		5	5	17	26	5	41	26	41	27	30	32	37						
BLACK IRON FREYJA	2024	BLACK IRON TUG	11.66	125	95	112	122	112	103	122	115	122	118	101	115						
		BLACK IRON RIZZY		5	5	5	43	5	62	41	61	44	46	50	56						
PROFFER TILLY	2025	PROFFER DEACON	11.33	104	91	92	111	114	90	115	96	103	113	101	103						
		PROFFER SOPHIE		5	5	5	14	5	37	13	36	16	20	24	31						

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	Progeny with litters	
PROFFER BOSS DOG		PROFFER ROGUE	4.49	98	97	88	86	78	130	76	76	77	65	70	72	11	1	5		3	
	2012	MIGHTY BBD TANGO		5	5	15	30	5	47	29	46	31	33	36	41			3		1	
ELEVATION CHUCK		ELEVATION KOOSIE	10.40	112		70	124	132	85	122	106	115	127	129	121	23	6	4		3	
	2015	QUREDU MAHATMAH		5		38	58	34	72	57	71	58	60	63	67			2		1	
KLEIN SANDFONTEIN JOURNEY		KLEIN SANDFONTEIN MATANA	12.01	97	119	105	109	96	101	106	106	99	115	107	108	38	6	11	1	2	7
	2016	KLEIN SANDFONTEIN EDEN		31	49	41	61	36	75	60	74	62	64	66	71			6			2
BIG SKY BBD MAGNUS		ROOIBOS GRETCHEN'S TRUE TORO (TONY)	8.81	101	97	102	129	107	124	111	77	75	87	87	88	57	8	19		7	
	2016	ROCKING H MAYAS PERFECT STORM ZIVA		5	5	5	51	20	69	50	68	52	55	58	63			14	2		
DELATRO ELIJA		RAINAISANCE BIEBER	5.00	96	97	95	108	107	107	109	114	105	104	113	113	21	4	6		2	
	2018	RAINAISANCE JENNIFER LOPEZ		5	5	5	51	21	69	51	68	52	55	58	63			5	2		
GOLDEN STATE LEONIDAS		KLEIN SANDFONTEIN JOURNEY	5.17	99	112	100	120	98	130	96	92	96	96	100	100	18	4	3		2	
	2019	BLITZKRIEG LILA 1		5	11	23	49	20	65	48	64	50	52	55	60			3	1		
PROFFER DEACON		BIG SKY BBD MAGNUS	3.80	103	96	86	100	99	97	110	108	98	97	80	97	36	5	7			
	2019	AFRIKA ATTILLA		5	5	21	46	18	64	45	62	46	49	52	57			7			
PROFFER BODACIOUS II		ELEVATION CHUCK	7.39	105	98	87	119	115	93	114	106	97	115	126	115	13	3	2			
	2022	GOLDEN STATE JUJU		5	5	10	46	16	64	46	63	47	50	53	58			1			
BLACK IRON TUG		BLACK IRON KEEPER	10.08	123	89		123	102	100	104	126	122	117	94	116	40	4	11			
	2022	BLUE LINE ZUMA		12	38		54	23	72	53	71	55	58	60	66			8			

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	
AFRIKA ATTILLA	2012	PINNACLE BBD HAVOC	4.58	106	96	69	77	79	89	95	101	96	86	74	85	7	2	3			2
		AFRIKA ROXSIE - ANNE		26	33	54	51	33	61	51	61	52	53	55	58			2			1
BLITZKRIEG LILA 1	2014	BLITZKRIEG BAZIL	6.15	100	105	99	121	99	139	92	85	92	88	97	95	13	2	7			6
		BALKAN BAILEE		5	5	26	46	16	62	45	61	47	49	52	57			6			1
PROFFER BOUGIE GIRL	2015	PROFFER BODACIOUS I	8.91	90	105	96	93	72	154	80	82	84	70	71	79	11	1	5			3
		CAJUN LAND KENNELS KATIE		5	5	5	34	5	57	33	56	36	39	43	50			3			1
BOWERS GIZMO	2018	PROFFER BOSS DOG	12.98	94	101	87	77	67	151	82	88	80	59	54	72	1	1	1			1
		PROFFER BOUGIE GIRL		5	5	5	30	5	56	28	55	31	35	40	48			1			1
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
PROFFER COOKIE	2019	BIG SKY BBD MAGNUS	4.50	91	105	95	124	113	113	114	94	83	90	101	99	19	3	4			1
		TARGUS BRANDY		5	5	30	47	19	64	46	63	48	50	53	58			2			1
PROFFER BELLE STAR	2020	BIG SKY BBD MAGNUS	6.55	98	87	99	112	124	42	117	96	95	116	104	100	7	2	2			1
		ELEVATION PAMELA		5	5	21	47	20	64	47	63	48	51	53	59			2			1
PROFFER ANNIE OAKLEY	2020	BIG SKY BBD MAGNUS	6.55	98	87	112	123	122	78	115	72	89	115	107	95	9	1	2			1
		ELEVATION PAMELA		5	5	28	49	21	66	48	65	50	52	55	60			2			1
PROFFER SOPHIE	2022	ELEVATION CHUCK	13.63	105	86	98	122	129	83	121	83	108	129	121	109	9	1				
		PROFFER ANNIE OAKLEY		5	5	16	40	5	59	40	58	41	44	47	53						
BLACK IRON RIZZY	2023	QUOVADIS PARTNER IN CRIME	10.20	127	102	118	121	128	105	132	107	123	126	125	123	17	3	3			
		BLACK IRON TALLY		18	44	34	50	20	68	49	67	51	54	57	62			3			

