

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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31611 PACE LANE
INDIO HILLS
CA
USA



Kennel Number: 690958



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.

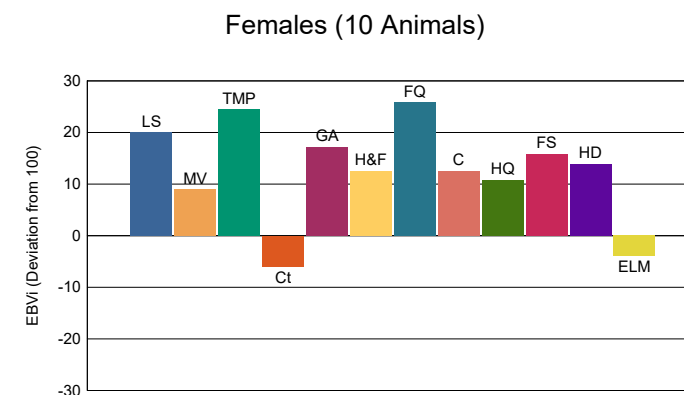
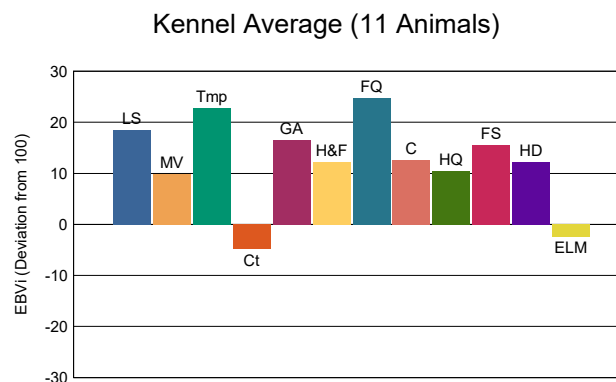
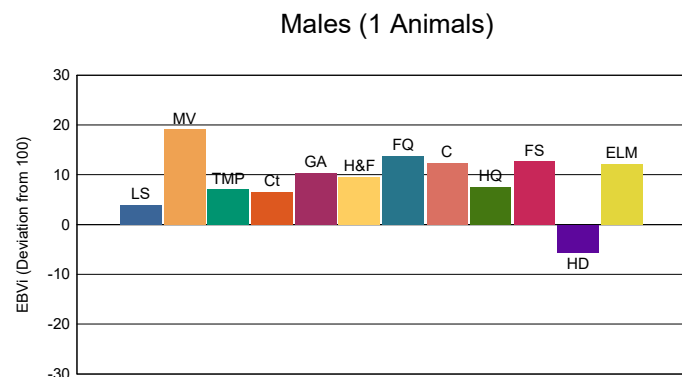
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	119	104	120
Movement (Mv)	110	119	109
Temperament (Tmp)	123	107	124
Coat (Ct)	95	107	94
General Appearance	116	110	117
Head & Face (H&F)	112	110	113
Front Quarter (FQ)	125	114	126
Centre (C)	113	112	113
Hind Quarter (HQ)	110	108	111
Final Score (FS)	116	113	116
Hip Health (HH)	112	94	114
Elbow Health (ELM)	98	112	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.

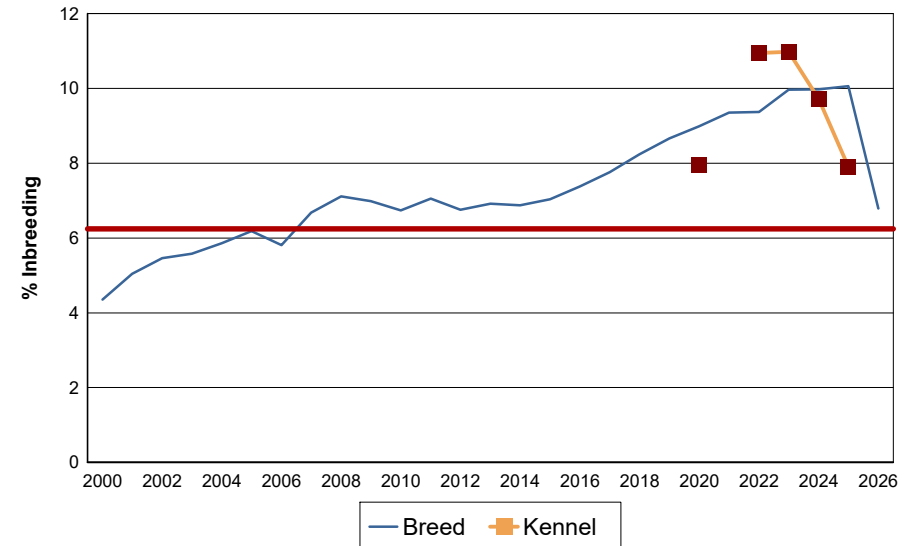
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

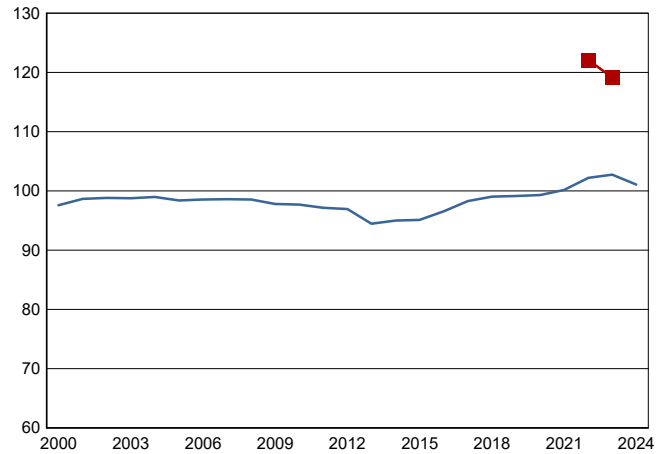


Inbreeding Levels

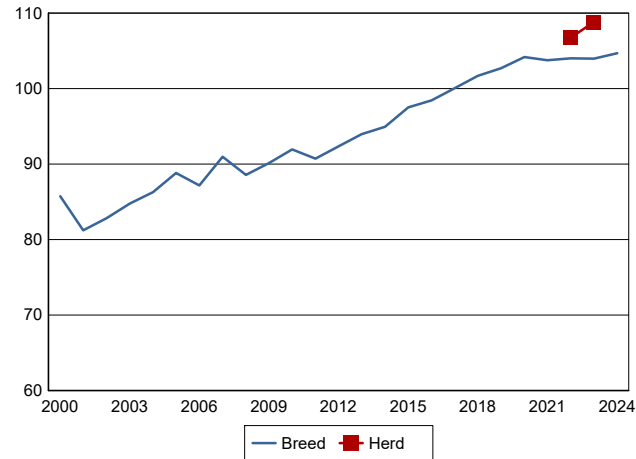
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	11	49007	1	25141	10	23857	6	3371	9	6287
Average Inbreeding	10.54	8.49	7.54	8.46	10.84	8.53	11.08	8.01	9.87	8.00
Number inbred	11	48727	1	24990	10	23728	6	24990	9	23728
Number >6.25% Inbr.	10	30600	1	15537	9	15058	6	15537	6	15058

Genetic Trends

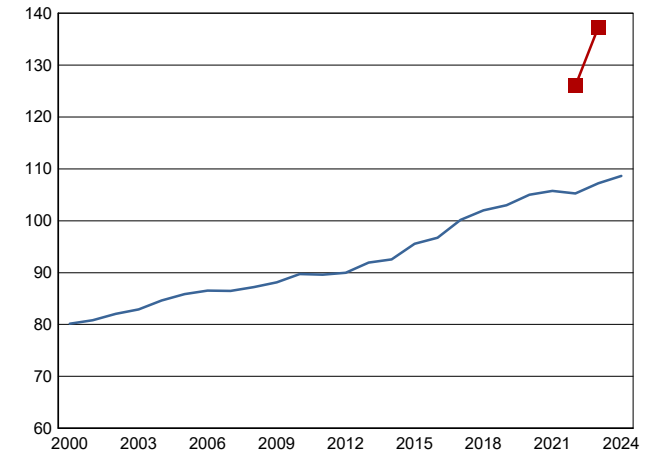
Litter Size



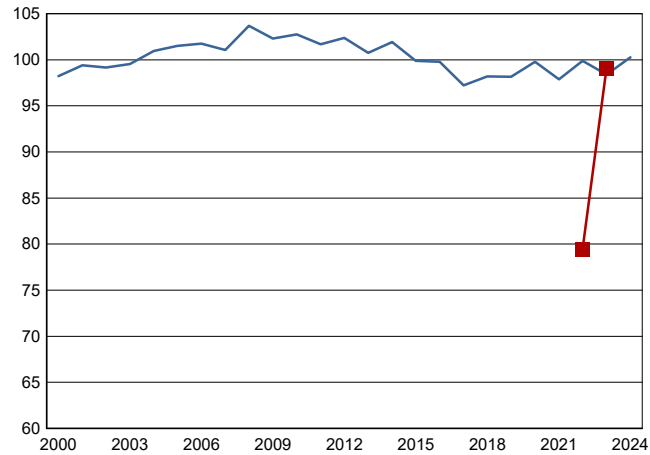
Movement



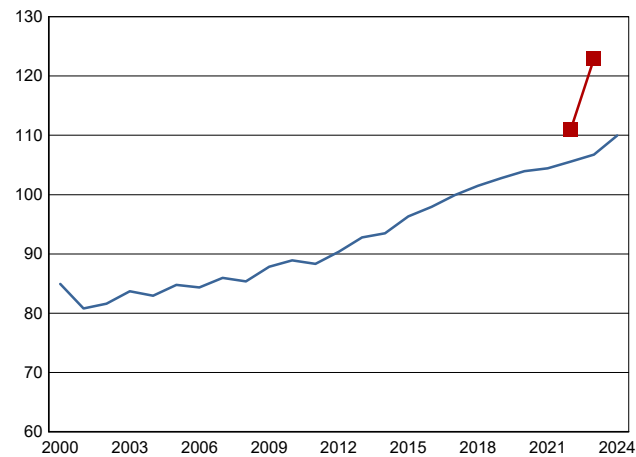
Temperament



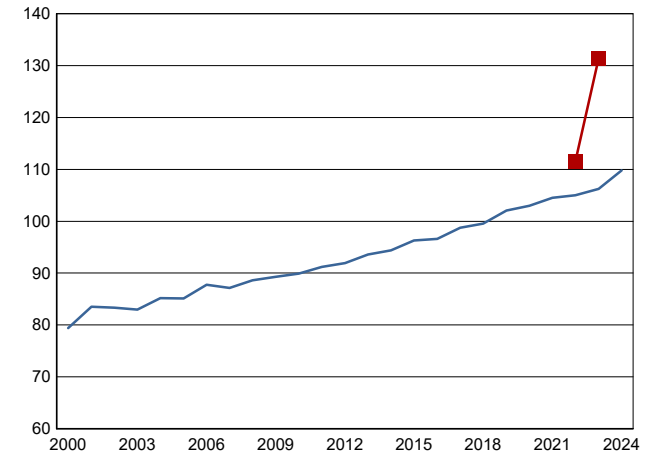
Coat



General Appearance

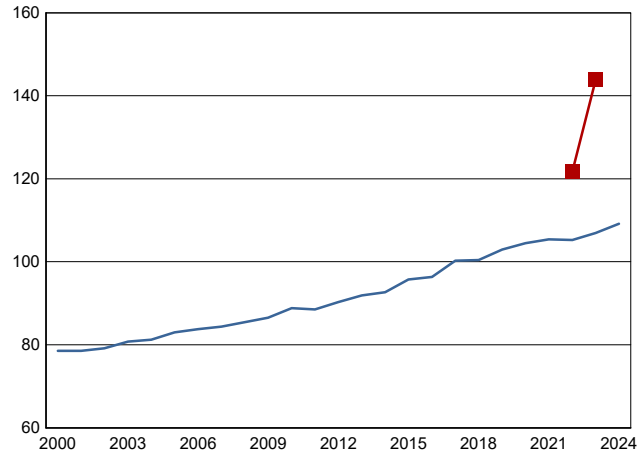


Head & Face

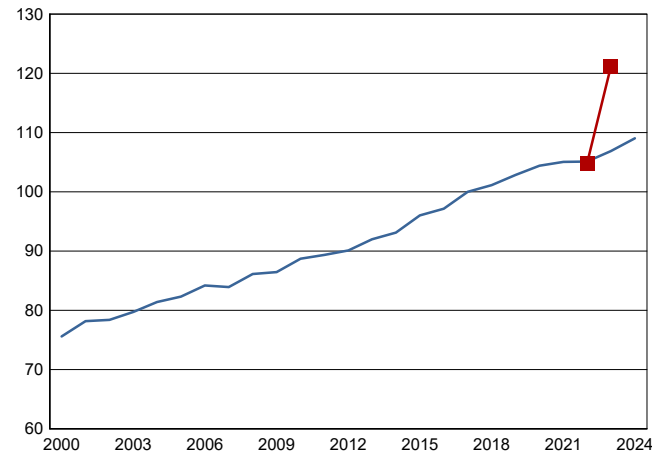


Genetic Trends

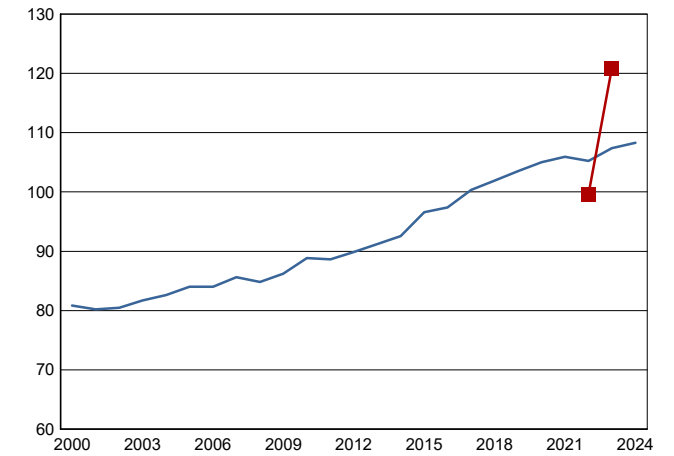
Front Quarter



Centre

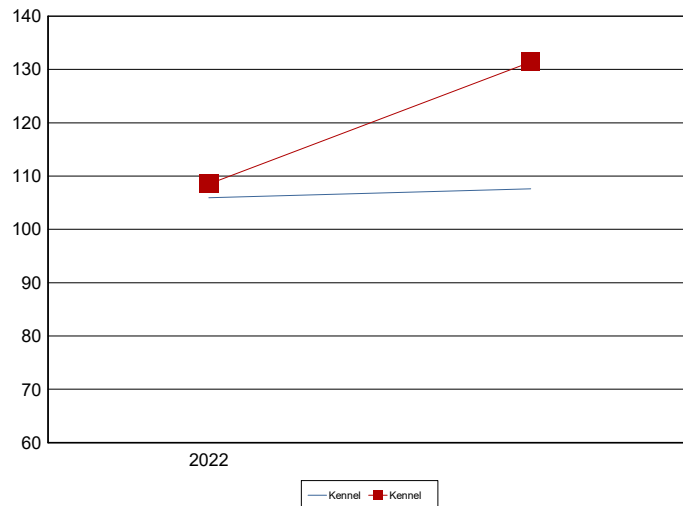


Hind Quarter

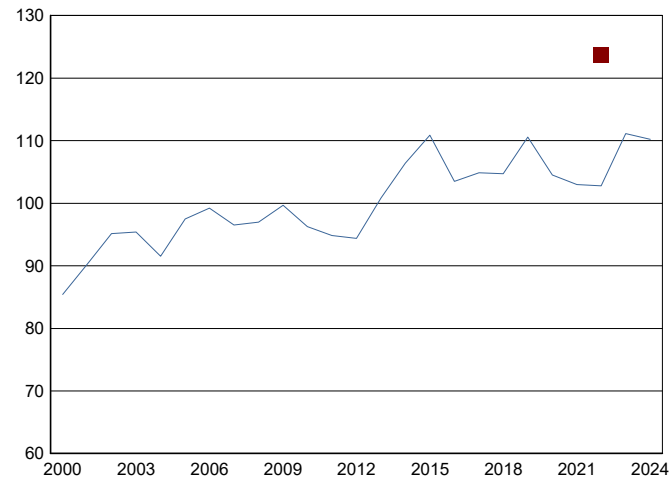


Final Score & Health Traits

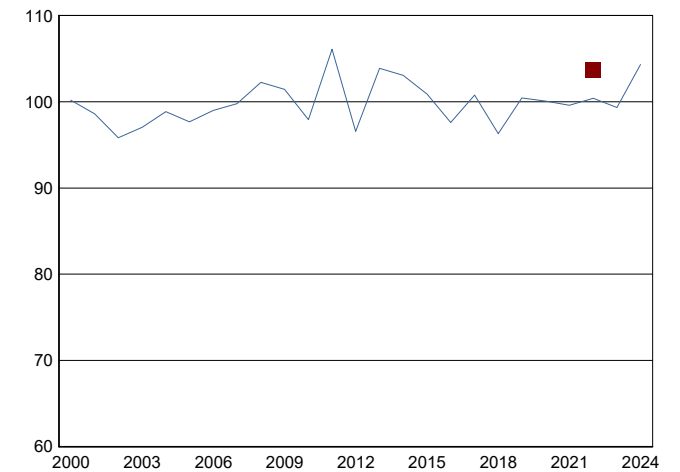
Final Score



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	
RIVERS EDGE BOLO		BOSTU ZAKISHU	7.54	94	112	104	119	107	107	110	110	114	112	108	113	22	5				
	2022	GOLDEN STATE RUSH		5	23	13	48	18	65	47	63	49	51	54	59						

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	
MAEBOERBOEL YLVA (STELLA)		MIDDELPOS BBD ROWDY	5.99	116	101	110	84	105	120	120	123	119	110	103	116						
	2021	MAEBOERBOEL LYRA		5	33	9	44	18	61	42	59	44	47	49	55						
OUTLAW HAVOC		KLEIN SANDFONTEIN JAKE II	13.80	112	90	128	102	118	117	126	120	130	116	114	122	28	4				
	2021	OUTLAW GREAT GATSBY		5	5	26	34	5	47	34	46	35	37	39	43						
OUTLAW MOTLEY		KLEIN SANDFONTEIN JAKE II	13.80	112	90	105	101	119	120	127	128	135	118	115	127	13	3	1			1
	2021	OUTLAW GREAT GATSBY		5	5	28	37	5	51	36	50	38	40	42	46			1			1
SO CAL ZELDA		AFRIKA JAY-JAY	10.49	124	104	135	119	137	85	111	105	125	108	113	113	4	1				
	2022	AFRIKA KITANA 3		5	27	31	45	18	62	44	61	46	48	51	56						
BARBARIAN TINKERBELL		BARBARIAN THANOS	10.63	95	94	104	117	106	91	101	104	112	110	102	106						
	2022	BARBARIAN XENA		5	5	5	26	5	43	25	42	27	29	32	38						
SO CAL BERETTA		AFRIKA JAY-JAY	11.05	116	89	119	109	137	99	123	131	144	121	121	131	2	1				
	2023	OUTLAW MOTLEY		5	8	21	40	5	58	39	57	41	43	46	52						
TROJAN KIMBER 45		AFRIKA JAY-JAY	13.97	118	90	126	122	137	81	113	85	121	108	120	107						
	2024	KLEIN SANDFONTEIN LEEAH		5	16	25	44	16	60	43	59	44	47	49	54						
SO CAL BAKIZA		AFRIKA JAY-JAY	10.49	124	104	132	112	129	76	110	108	120	107	107	110						
	2024	AFRIKA KITANA 3		5	27	27	36	9	48	36	47	37	39	41	44						
TWIN RIVER ZURI		AFRIKA JAY-JAY	10.23	120	99	124	113	145	41	122	107	132	113	103	109						
	2024	SO CAL STELLA		5	8	6	40	5	58	39	57	41	43	46	52						
SO CAL RUBY ROUNDHOUSE		RIVERS EDGE BOLO	7.99	103	101	116	111	112	112	118	115	122	114	111	118						
	2025	OUTLAW HAVOC		5	5	5	21	5	36	21	35	22	25	27	32						

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	
BARBARIAN THANOS		MOUNT ROYAL BBD CUDA	6.30	75	97	112	119	98	65	94	98	97	110	98	97	26	4	7		3
	2018	BARBARIAN MINNIE		21	42	24	49	17	68	49	66	50	53	56	62					
MIDDELPOS BBD ROWDY		MIDDELPOS BBD GAMKA	12.72		110	111	84	121	108	130	162	144	135	115	143	55	7	10	5	6
	2019	QUREDU MISS MOLLY			44	30	59	34	73	58	72	60	62	64	68					
AFRIKA JAY-JAY		MES RUBENSTEIN	10.46	119	87	138	121	148	67	117	104	133	119	124	118	84	13	6	1	1
	2019	AFRIKA SHANYA		40	56	40	59	38	72	58	71	59	61	63	67					
KLEIN SANDFONTEIN JAKE II		KLEIN SANDFONTEIN HUEY	14.17	112	89	128	89	106	117	110	94	108	86	97	97	17	4	7		6
	2020	MES PERFECT		5	23	45	61	39	74	60	73	62	63	65	70					
BOSTU ZAKISHU		BOSTU ZAZU	15.31	87	112	97	116	117	89	105	94	110	100	108	102	37	4	14	2	3
	2021	BOSTU ASHANTI		17	56	36	64	39	77	64	77	65	67	69	73					
RIVERS EDGE BOLO		BOSTU ZAKISHU	7.54	94	112	104	119	107	107	110	110	114	112	108	113	22	5			
	2022	GOLDEN STATE RUSH		5	23	13	48	18	65	47	63	49	51	54	59					

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	
AFRIKA KITANA 3	2017	AFRIKA RAMBOMAX	6.03	128	121	127	104	110	85	104	112	106	95	89	101	37	6	5	1	1	2
		AFRIKA KANTARA		40	55	59	54	33	67	53	66	54	56	58	63			5			1
GOLDEN STATE RUSH	2019	KLEIN SANDFONTEIN JOURNEY	5.17	101	113	111	125	110	124	110	103	109	113	113	114	27	4	11	2	2	3
		BLITZKRIEG LILA 1		5	22	33	57	28	74	56	73	58	60	63	68			7			2
BARBARIAN XENA	2019	KLEIN SANDFONTEIN JUDGE	12.76	116	91	96	115	114	117	108	110	126	110	106	114	20	3	3			2
		BARBARIAN LOLA		5	5	44	51	24	67	50	66	51	54	56	61			3			1
MAEBOERBOEL LYRA	2019	KLEIN SANDFONTEIN JUDGE	2.02	115	96	109	94	99	126	110	91	109	95	91	97	5		4	1	1	
		MAEBOERBOEL DAMALI		14	27	23	44	27	55	44	55	45	46	48	51			4			
OUTLAW GREAT GATSBY	2019	BLACK IRON TUCKER	9.71	113	92	102	114	129	117	142	146	152	147	131	148	16	2	5			4
		BARBARIAN ATHENA		7	36	17	50	20	67	50	66	51	53	56	61			5			1
KLEIN SANDFONTEIN LEEAH	2020	KLEIN SANDFONTEIN HUEY	14.17		94	114	111	120	107	116	102	119	105	112	111	16	3	4	1	1	3
		MES PERFECT			30	53	53	35	63	53	62	54	55	56	59			4			1
OUTLAW MOTLEY	2021	KLEIN SANDFONTEIN JAKE II	13.80	112	90	105	101	119	120	127	128	135	118	115	127	13	3	1			1
		OUTLAW GREAT GATSBY		5	5	28	37	5	51	36	50	38	40	42	46			1			1
OUTLAW HAVOC	2021	KLEIN SANDFONTEIN JAKE II	13.80	112	90	128	102	118	117	126	120	130	116	114	122	28	4				
		OUTLAW GREAT GATSBY		5	5	26	34	5	47	34	46	35	37	39	43						
SO CAL STELLA	2022	BARBARIAN MOSES	11.35	121	111	111	104	127	69	116	124	128	109	94	112	10	1	1			
		AFRIKA KITANA 3		5	5	23	32	5	49	31	48	33	35	38	43			1			

