

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 MR. Z. FARES & R HELLMAN

UMM AL NAR
KHALIFA CITY
ABU DHABI
UAE



Kennel Number: 712239



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.

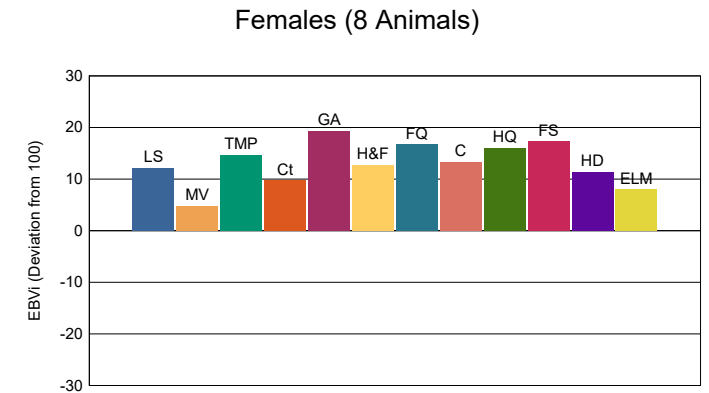
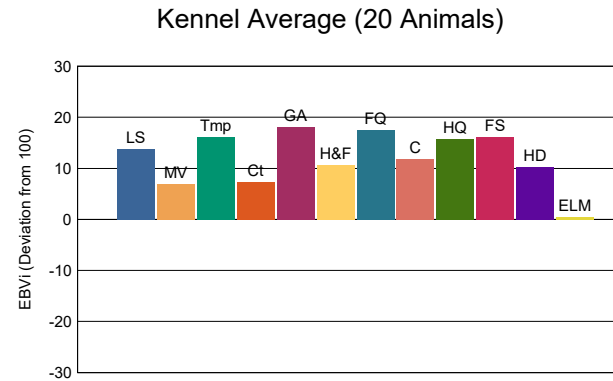
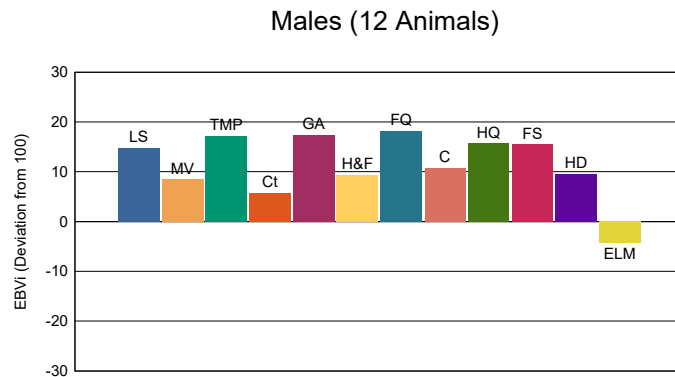
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	114	115	112
Movement (Mv)	107	108	105
Temperament (Tmp)	116	117	115
Coat (Ct)	107	106	110
General Appearance	118	117	119
Head & Face (H&F)	111	109	113
Front Quarter (FQ)	118	118	117
Centre (C)	112	111	113
Hind Quarter (HQ)	116	116	116
Final Score (FS)	116	116	117
Hip Health (HH)	110	110	111
Elbow Health (ELM)	101	96	108

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.

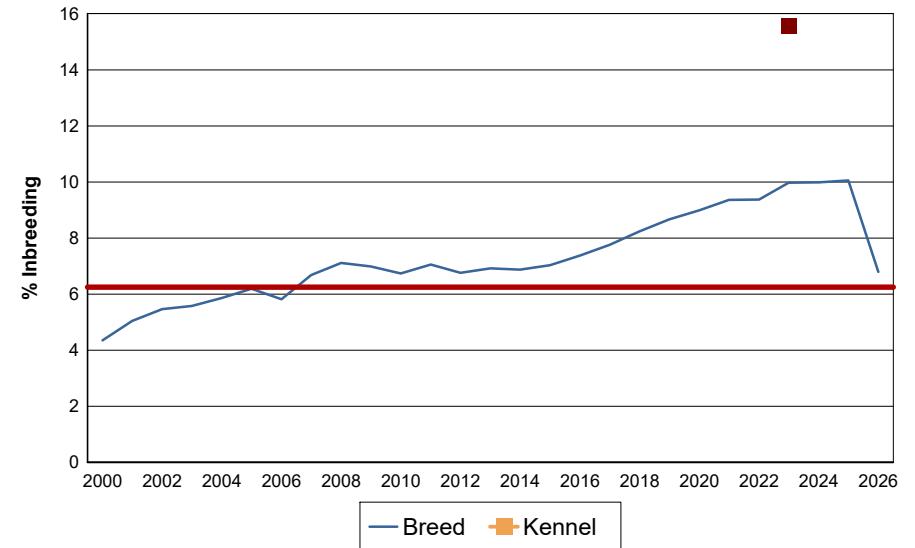
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

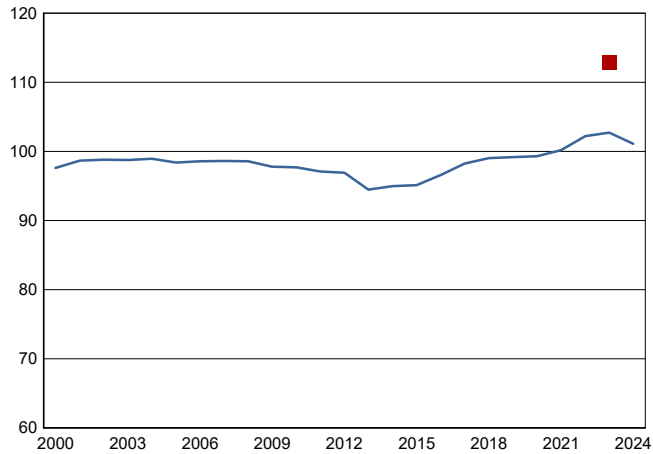


Inbreeding Levels

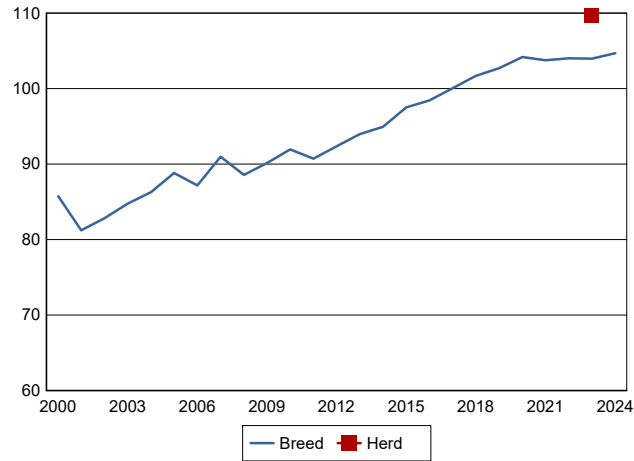
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	20	49007	12	25141	8	23857	6	3371	7	6287
Average Inbreeding	14.48	8.49	14.98	8.46	13.72	8.53	8.48	8.01	9.24	8.00
Number inbred	20	48727	12	24990	8	23728	6	24990	7	23728
Number >6.25% Inbr.	20	30600	12	15537	8	15058	3	15537	6	15058

Genetic Trends

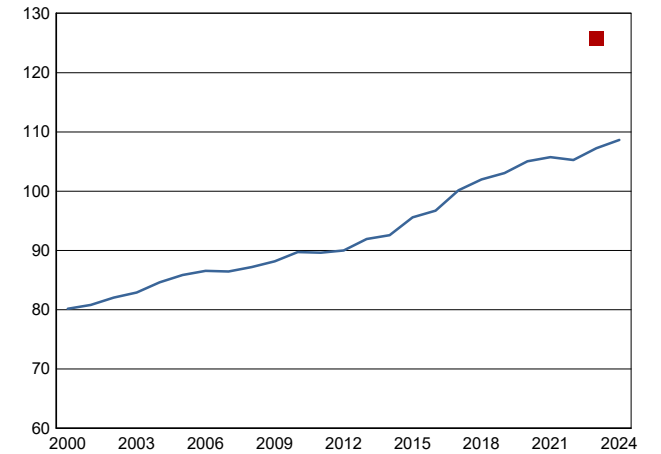
Litter Size



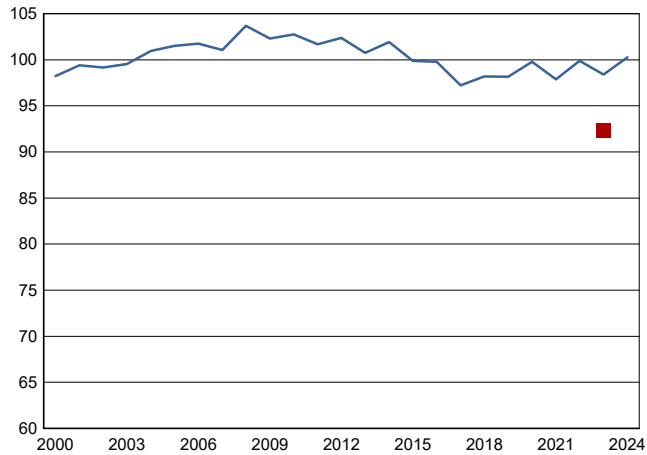
Movement



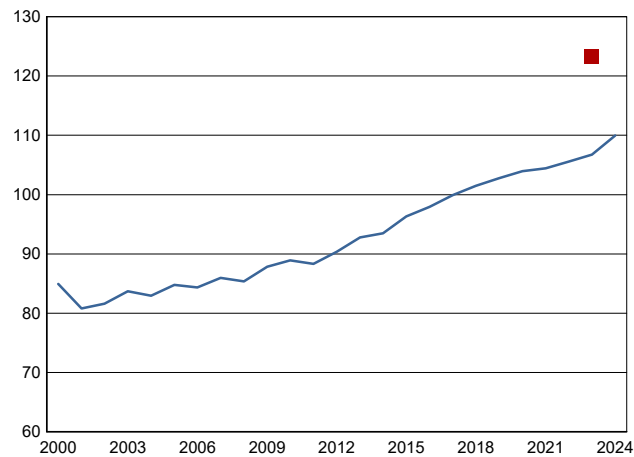
Temperament



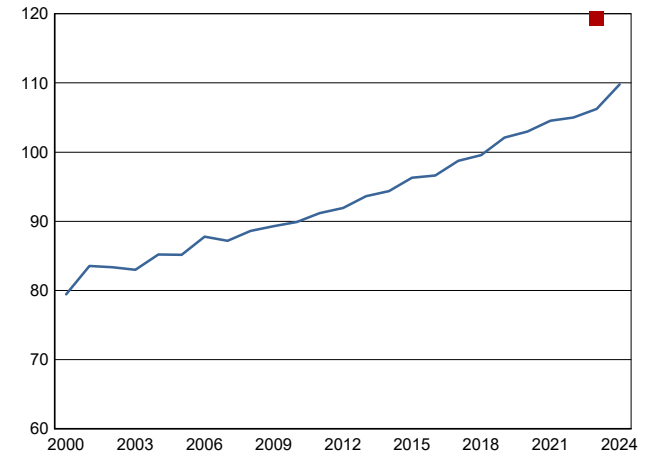
Coat



General Appearance

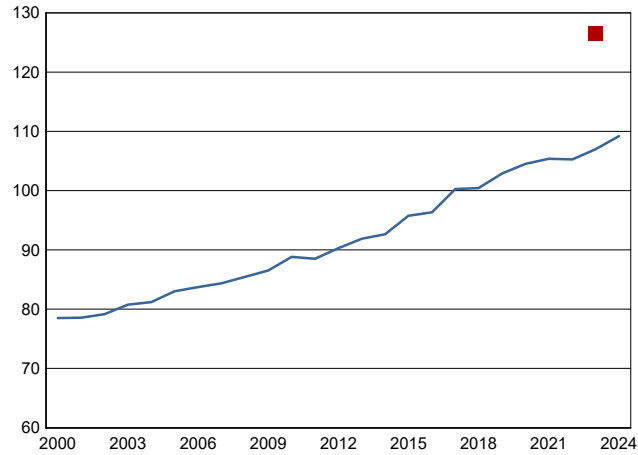


Head & Face

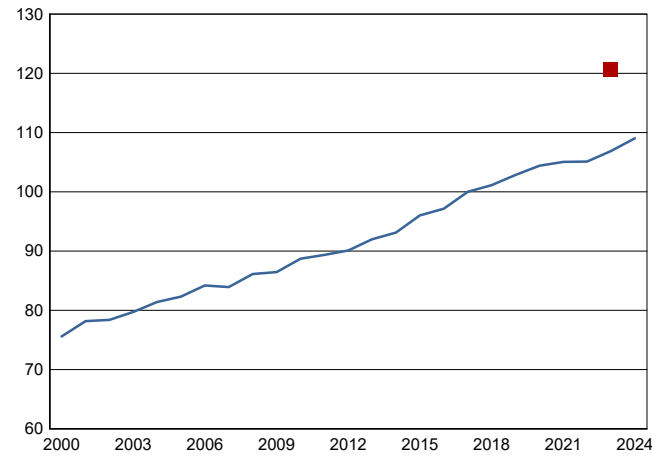


Genetic Trends

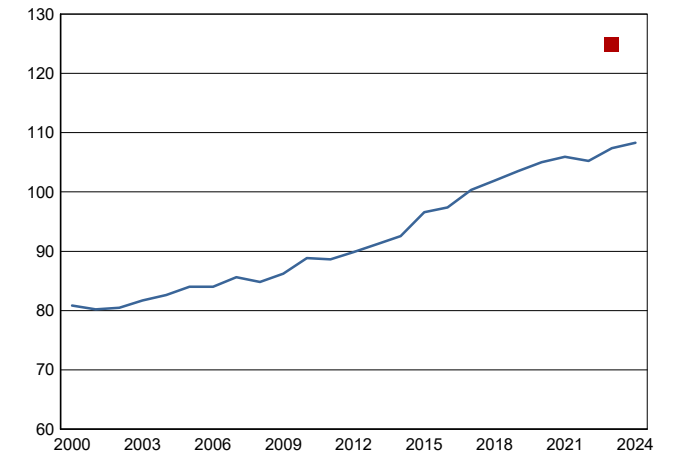
Front Quarter



Centre



Hind Quarter

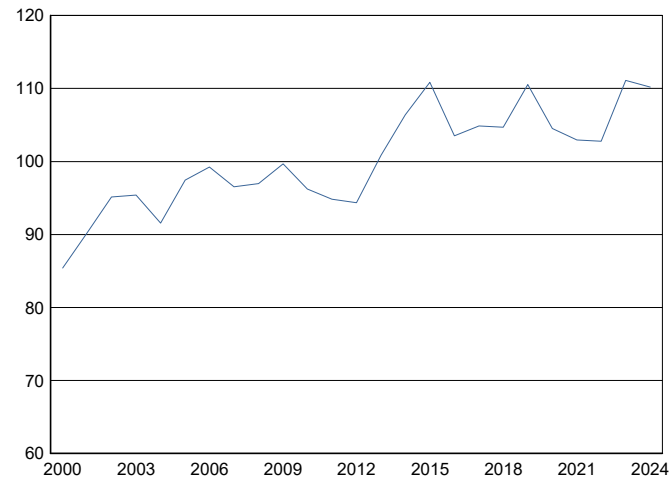


Final Score & Health Traits

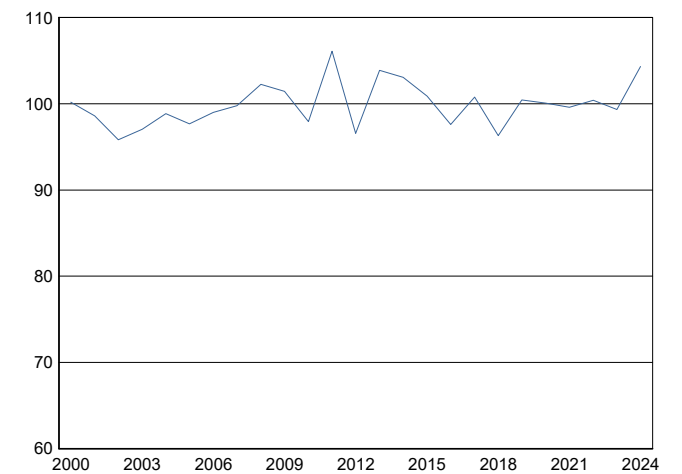
Final Score



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	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	
KLEIN SANDFONTEIN BENTEN	KLEIN SANDFONTEIN FINN		18.89	91	53	89	113	108	79	102	96	107	106	107	102	23	4	7	1	1	3
	2019	ZUKANDI SANZA		5	5	21	57	24	73	56	72	57	60	62	68			7			2
KLEIN SANDFONTEIN RABINOWITZ	KLEIN SANDFONTEIN HUEY		14.17	112	89	124	115	127	105	119	110	127	110	118	119	14	2	2			
	2020	MES PERFECT		5	23	42	56	36	67	55	67	56	58	60	63			1			
ALPHA DELTA A WINTER'S DAY	KLEIN SANDFONTEIN RABINOWITZ		13.04	115	113	113	109	121	98	120	116	122	116	120	120						
	2023	KLEIN SANDFONTEIN WINTER		5	5	8	32	5	44	32	43	33	34	36	40						
ALPHA DELTA A LION IN WINTER	KLEIN SANDFONTEIN RABINOWITZ		13.04	115	113	113	109	121	98	120	116	122	116	120	120						
	2023	KLEIN SANDFONTEIN WINTER		5	5	8	32	5	44	32	43	33	34	36	40						
ALPHA DELTA A WINTER STORM WARNING	KLEIN SANDFONTEIN RABINOWITZ		13.04	115	113	113	112	126	87	124	120	126	121	127	125						
	2023	KLEIN SANDFONTEIN WINTER		5	5	8	40	6	56	39	55	41	43	45	50						
ALPHA DELTA BRING IT ON	KLEIN SANDFONTEIN RABINOWITZ		16.98	111	99	118	106	113	119	116	106	116	107	113	113						
	2023	KLEIN SANDFONTEIN ALPHA DELTA		5	5	5	28	5	41	27	41	29	31	33	37						
ALPHA DELTA BROWN SUGAR	KLEIN SANDFONTEIN RABINOWITZ		16.98	111	99	118	106	113	119	116	106	116	107	113	113						
	2023	KLEIN SANDFONTEIN ALPHA DELTA		5	5	5	28	5	41	27	41	29	31	33	37						
ALPHA DELTA BIGGER THAN LIFE	KLEIN SANDFONTEIN RABINOWITZ		16.98	111	99	118	106	113	119	116	106	116	107	113	113						
	2023	KLEIN SANDFONTEIN ALPHA DELTA		5	5	5	28	5	41	27	41	29	31	33	37						
ALPHA DELTA BEAST OF BURDEN	KLEIN SANDFONTEIN RABINOWITZ		16.98	111	99	118	106	113	119	116	106	116	107	113	113						
	2023	KLEIN SANDFONTEIN ALPHA DELTA		5	5	5	28	5	41	27	41	29	31	33	37						

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	
KLEIN SANDFONTEIN FAST & FURIOUS	2023	KLEIN SANDFONTEIN HUEY	14.17	112	89	124	108	116	112	114	103	117	104	114	112					
		MES PERFECT		5	23	42	51	33	58	50	58	51	52	54	56					
KLEIN SANDFONTEIN PORT ROYAL FOR ALPHA DELTA	2023	KLEIN SANDFONTEIN HUEY	14.17	112	89	124	108	116	112	114	103	117	104	114	112					
		MES PERFECT		5	23	42	51	33	58	50	58	51	52	54	56					
RIVERS EDGE THE ANCHORMAN AT ALPHA DELTA	2025	ELEVATION BOSTU I'M COOL	11.29	97	96	105	105	120	99			115	124							
		RIVERS EDGE ROSIE		5	11	5	26	5	39			27	29							

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	
KLEIN SANDFONTEIN WINTER	2020	KLEIN SANDFONTEIN NUTCRACKER	10.91	119		101	103	114	91	120	122	116	122	122	122	5	1	2 1			
		KLEIN SANDFONTEIN SUDDENLY SUMMER		5		33	52	25	67	51	66	52	55	57	62						
KLEIN SANDFONTEIN ALPHA DELTA	2020	KLEIN SANDFONTEIN THE STING	10.57	111	109	112	97	98	134	112	102	105	104	108	108	9	1				
		KLEIN SANDFONTEIN BLIZZARD		5	5	29	48	21	65	47	64	49	51	54	59						
ALPHA DELTA A WINTER WONDERLAND	2023	KLEIN SANDFONTEIN RABINOWITZ	13.04	115	113	113	109	121	98	120	116	122	116	120	120						
		KLEIN SANDFONTEIN WINTER		5	5	8	32	5	44	32	43	33	34	36	40						
ALPHA DELTA A HAZY SHADE OF WINTER	2023	KLEIN SANDFONTEIN RABINOWITZ	13.04	115	113	113	108	126	98	123	119	127	120	123	124						
		KLEIN SANDFONTEIN WINTER		5	5	8	40	6	56	39	55	41	43	45	51						
ALPHA DELTA BEST IS YET TO COME	2023	KLEIN SANDFONTEIN RABINOWITZ	16.98	111	99	118	106	113	119	116	106	116	107	113	113						
		KLEIN SANDFONTEIN ALPHA DELTA		5	5	5	28	5	41	27	41	29	31	33	37						
ALPHA DELTA BORN TO BE WILD	2023	KLEIN SANDFONTEIN RABINOWITZ	16.98	111	99	118	106	113	119	116	106	116	107	113	113						
		KLEIN SANDFONTEIN ALPHA DELTA		5	5	5	28	5	41	27	41	29	31	33	37						
ALPHA DELTA BRIGHT EYES	2023	KLEIN SANDFONTEIN RABINOWITZ	16.98	111	99	118	106	113	119	116	106	116	107	113	113						
		KLEIN SANDFONTEIN ALPHA DELTA		5	5	5	28	5	41	27	41	29	31	33	37						
RIVERS EDGE COLOR PURPLE AT ALPHA DELTA	2025	ELEVATION BOSTU I'M COOL	11.29	97	96	105	105	120	99		125	115	124	117	124						
		RIVERS EDGE ROSIE		5	11	5	26	5	39		38	27	29	31	35						

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		
KLEIN SANDFONTEIN HUEY		GROENBERG BBD RAMBO	5.01	105	72	117	119	129	116	124	102	126	117	124	120	162	28	63	13	13	47
	2014	KLEIN SANDFONTEIN KISSKA		52	64	67	81	64	89	80	88	81	83	84	87		55			10	
KLEIN SANDFONTEIN NUTCRACKER		ZUKANDI BEAU	6.19	124	151	124	116	124	91	136	135	128	131	125	133	119	18	28	2	2	24
	2017	LOTTER SANA		34	52	55	74	51	85	73	84	75	76	78	82		25			6	
KLEIN SANDFONTEIN FINN		KLEIN SANDFONTEIN BENGAL	10.50	81	21	76	131	117	86	105	95	107	104	110	105	53	8	17		11	
	2017	KLEIN SANDFONTEIN SAGE		29	45	38	66	38	80	65	79	67	69	71	76		16			4	
KLEIN SANDFONTEIN THE STING		MES MARKUS I	8.96	114	123	102	87	97	115	109	96	100	103	101	100	52	4	7		7	
	2018	KLEIN SANDFONTEIN SUZIE Q		5	14	39	60	34	75	59	74	61	63	65	70		7			1	
KLEIN SANDFONTEIN RABINOWITZ		KLEIN SANDFONTEIN HUEY	14.17	112	89	124	115	127	105	119	110	127	110	118	119	14	2	2			
	2020	MES PERFECT		5	23	42	56	36	67	55	67	56	58	60	63		1				
ELEVATION BOSTU I'M COOL		BOSTU DADDY COOL	6.05	90	80	106	111	127	102	140	119	107	129	124	126	14	1				
	2022	ELEVATION IMKE		29	47	31	54	32	67	53	66	54	56	58	62						

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	
ZUKANDI SANZA	2017	KLEIN SANDFONTEIN HUEY	8.36	101	86	106	106	104	98	112	96	111	112	108	105	24	2	11			6
		ZUKANDI MICKA		10	27	46	65	43	78	64	77	66	67	70	73			11			1
MES PERFECT	2018	MES ARNOLD 1	11.46		105	132	97	104	109	104	105	109	92	104	104	43	4	13			12
		MES MAXI			27	63	67	49	78	67	77	68	69	71	74			10			1
KLEIN SANDFONTEIN SUDDENLY SUMMER	2018	MES MARKUS I	8.96	114	123	88	90	102	101	105	107	102	105	108	106	6	2	4	1	1	4
		KLEIN SANDFONTEIN SUZIE Q		5	14	46	55	30	70	55	69	56	58	61	65			3			1
KLEIN SANDFONTEIN BLIZZARD	2019	KLEIN SANDFONTEIN HUEY	8.36	107	95	111	114	112	127	116	117	120	117	126	125	34	5	9	1		5
		ZUKANDI BLISS		8	25	55	61	40	75	61	74	62	64	66	70			8			1
KLEIN SANDFONTEIN WINTER	2020	KLEIN SANDFONTEIN NUTCRACKER	10.91	119		101	103	114	91	120	122	116	122	122	122	5	1	2			
		KLEIN SANDFONTEIN SUDDENLY SUMMER		5		33	52	25	67	51	66	52	55	57	62			1			
KLEIN SANDFONTEIN ALPHA DELTA	2020	KLEIN SANDFONTEIN THE STING	10.57	111	109	112	97	98	134	112	102	105	104	108	108	9	1				
		KLEIN SANDFONTEIN BLIZZARD		5	5	29	48	21	65	47	64	49	51	54	59						
RIVERS EDGE ROSIE	2024	BOSTU ZAKISHU	6.08	104	113	104	98	113	97	127	132	124	118	110	123	14	1				
		OUTLAW HALLE BERRY		5	34	8	44	11	61	43	60	45	47	50	55						

