

Boerboel Genetic Evaluation

SA Stud Book

February 2026

0 0 FROGGY GEE KENNELS

23 ANTIQUA, 41 GLEN AVENUE
EQUESTRIA
PRETORIA EAST
0002



Kennel Number: 692711



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.

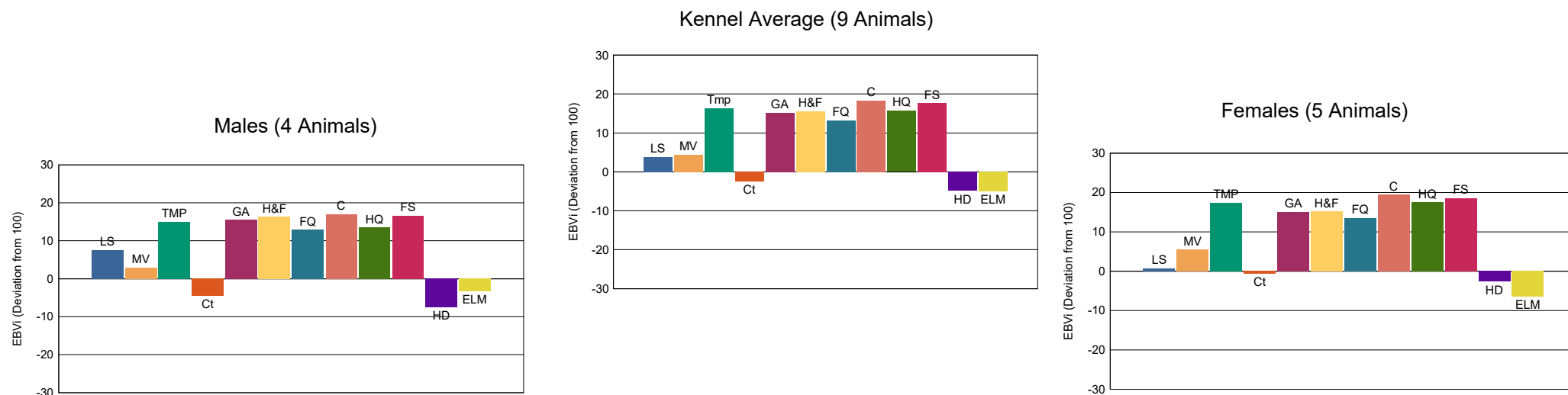
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	104	108	101
Movement (Mv)	104	103	105
Temperament (Tmp)	116	115	117
Coat (Ct)	98	95	99
General Appearance	115	116	115
Head & Face (H&F)	116	116	115
Front Quarter (FQ)	113	113	114
Centre (C)	118	117	119
Hind Quarter (HQ)	116	113	117
Final Score (FS)	118	117	119
Hip Health (HH)	95	92	97
Elbow Health (ELM)	95	97	94

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.

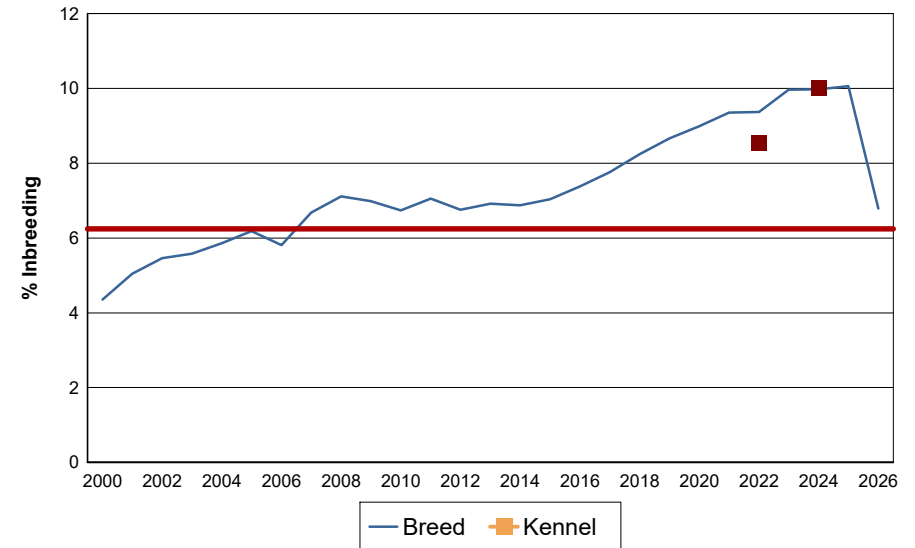
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

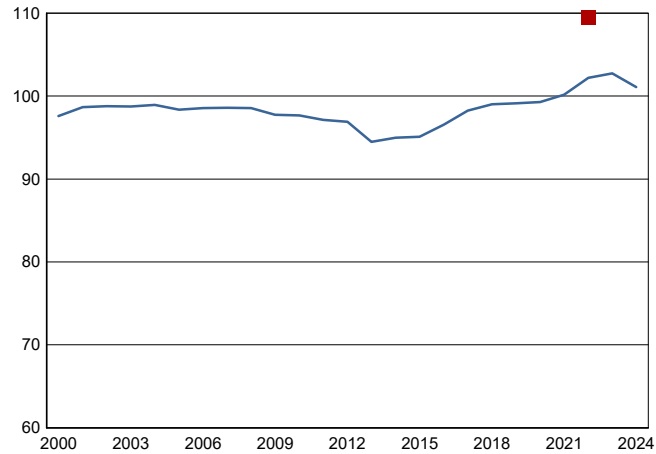


Inbreeding Levels

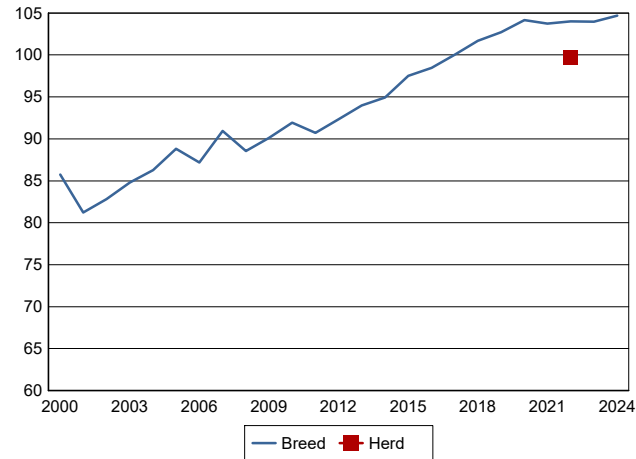
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	9	49007	4	25141	5	23857	5	3371	6	6287
Average Inbreeding	9.08	8.49	10.12	8.46	8.25	8.53	6.95	8.01	8.83	8.00
Number inbred	9	48727	4	24990	5	23728	5	24990	6	23728
Number >6.25% Inbr.	8	30600	4	15537	4	15058	3	15537	6	15058

Genetic Trends

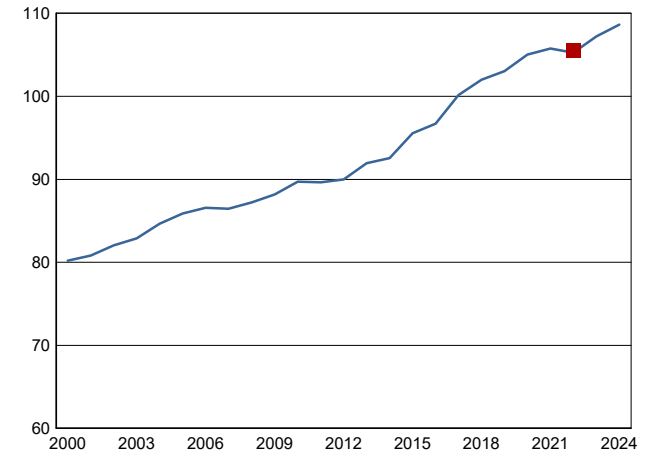
Litter Size



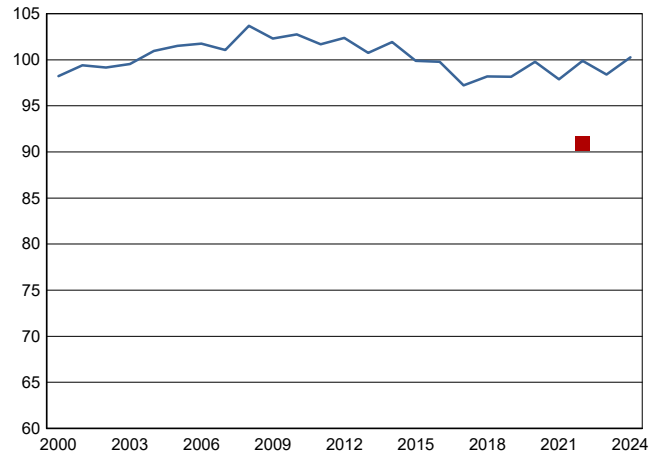
Movement



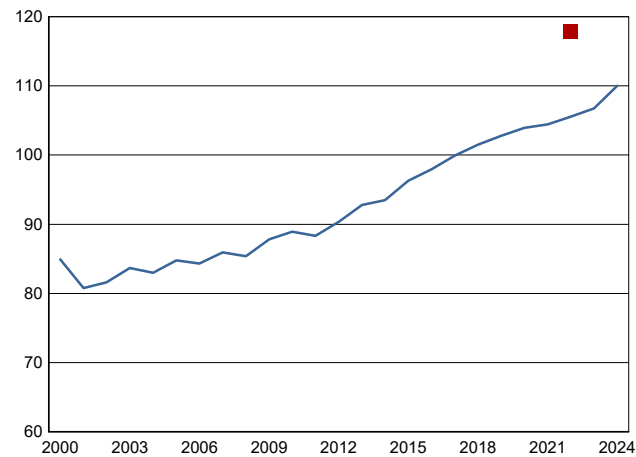
Temperament



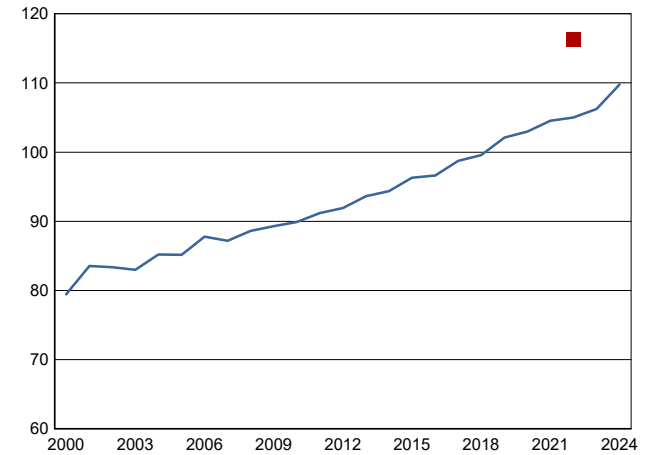
Coat



General Appearance

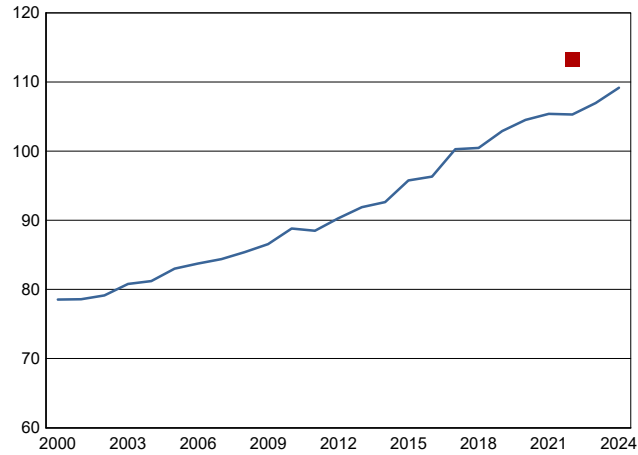


Head & Face

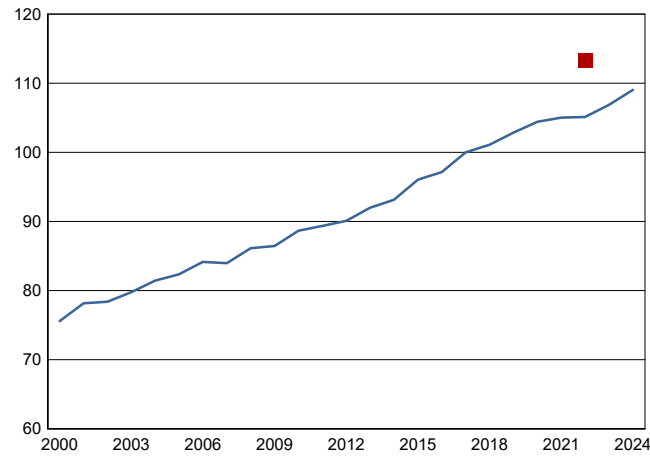


Genetic Trends

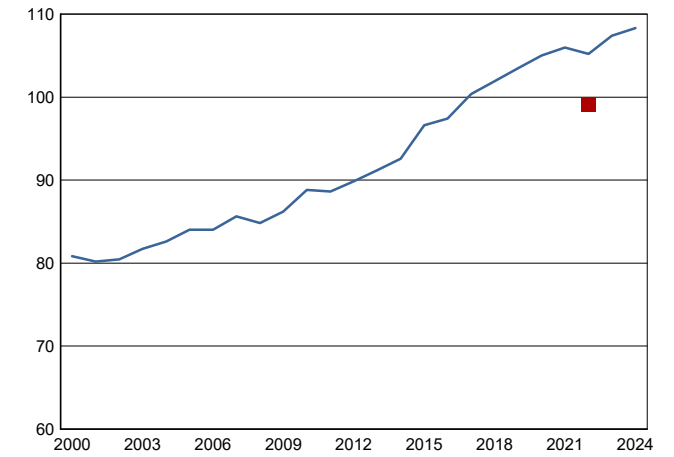
Front Quarter



Centre

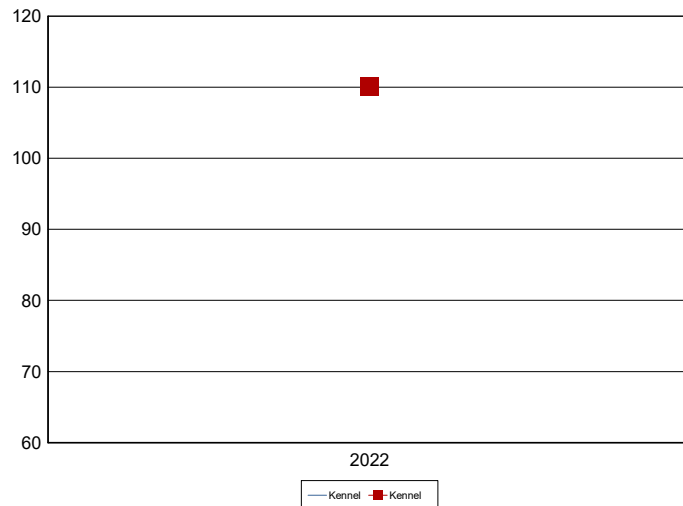


Hind Quarter

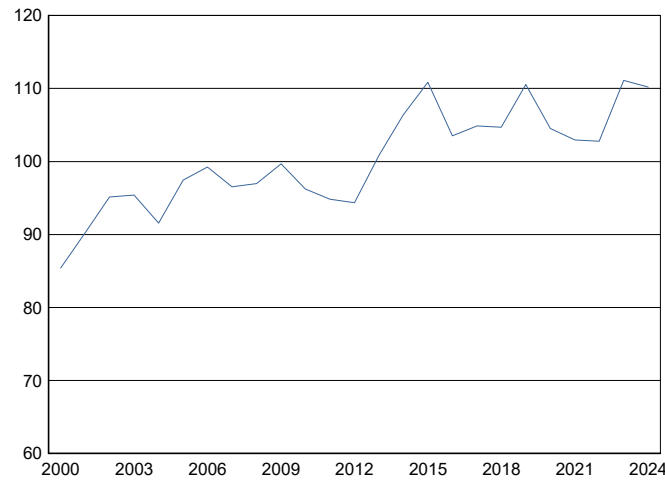


Final Score & Health Traits

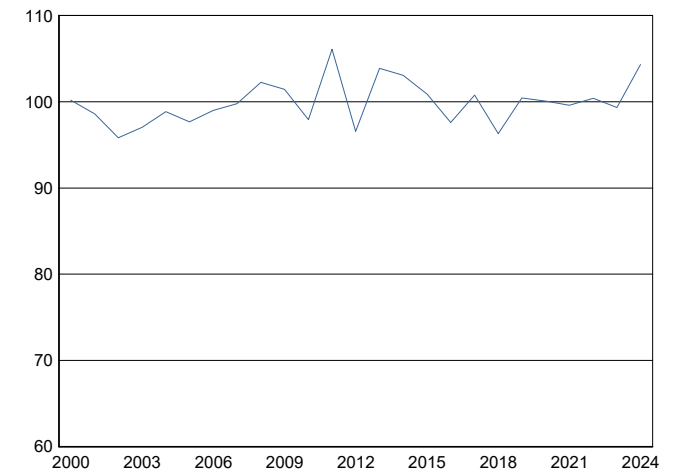
Final Score



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	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	
BOSTU FRAHM		BOSTU DADDY COOL	8.80	86	96	117	106	115	97	109	108	103	111	114	111						
	2020	MES KYLIE		6	28	34	56	35	69	56	68	57	59	61	65						
FROGGY GEE VENOM		COLOS CHEETA	10.09	89	105	96	97	119	77	127	123	115	124	113	119	1	1				
	2022	BOSTU MARIE		5	5	17	44	17	60	44	59	45	47	49	54						
FROGGY GEE SNIPER		BOSTU FUTURE	11.98	100	89	98	104	116	99	115	118	118	118	115	119						
	2024	BOSTU QUILLEN		5	5	12	31	5	42	29	42	31	33	35	39						
FROGGY GEE DADDY BLAZE		BOSTU FUTURE	9.62	96	97	119	105	110	110	111	117	117	115	112	117						
	2024	BOSTU JUDY		5	5	10	31	5	43	30	42	32	34	36	39						

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	Progeny with litters
BOSTU QUILLEN	2020	ELEVATION COOPER	7.00	94	82	82	106	129	81	118	112	111	121	121	118	1	1				
		BOSTU GI JANE		10	27	45	55	35	68	55	67	56	58	60	64						
BOSTU JUDY	2020	BOSTU DADDY COOL	8.80	86	96	123	108	116	102	112	110	109	116	116	115	5	1				
		MES KYLIE		6	28	41	56	35	69	56	68	57	59	61	65						
BOSTU KENDAL	2020	BOSTU GUNSTON	6.22	116	97	62	103	122	95	122	120	115	129	126	125	3	1				
		ELEVATION PARIS HILTON		23	38	43	56	35	69	56	68	57	59	61	65						
FROGGY GEE TROPHY	2024	BOSTU FUTURE	9.62	96	97	119	105	110	110	111	117	117	115	112	117						
		BOSTU JUDY		5	5	10	31	5	43	30	42	32	34	36	39						
FROGGY GEE SISI BLACK	2024	BOSTU FUTURE	9.62	96	97	119	105	110	110	111	117	117	115	112	117						
		BOSTU JUDY		5	5	10	31	5	43	30	42	32	34	36	39						

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		
ELEVATION COOPER		GROENBERG BBD RAMBO	4.48	112	60	98	111	134	95	126	121	125	124	125	127	127	21	52	10	10	37
	2015	HAZENJACHT BBD FIELLA		56	68	70	81	64	89	81	89	82	83	84	87		39				7
BOSTU GUNSTON		CABARET SON OF A GUN	6.97	87	124	36	88	118	74	117	115	102	127	119	116	17	4	11	3	3	8
	2017	MES SHAKIRA		42	56	52	70	50	81	69	80	70	72	74	77		10				3
BOSTU DADDY COOL		MES BITE A BULLET	7.38	61	87	117	95	117	99	139	112	91	119	114	115	197	28	69	16	16	43
	2018	MES SHAKIRA		52	66	60	83	64	91	82	90	83	85	86	88		32				6
COLOS CHEETA		TARGUS RAM	5.55	83	128	109	104	107	77	120	115	111	122	104	112	18	4	8			5
	2019	KLEIN SANDFONTEIN AKITA		5	10	39	62	40	75	62	74	63	64	66	70		8				2
BOSTU FUTURE		KLEIN SANDFONTEIN BROC	10.39	106	97	115	102	104	117	111	124	124	114	109	119	56	14	6			
	2020	ELEVATION TALITA		5	29	26	47	23	60	45	59	48	50	52	56		6				

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	
MES KYLIE	2017	MES ARNOLD 1	11.65	110	105	116	113	107	99	79	95	110	102	115	104	15	2	8	1	1	4
		MES TAYLA		9	29	53	64	43	78	64	77	65	67	69	73			6			1
BOSTU GI JANE	2017	CABARET SON OF A GUN	6.97	75	104	69	96	118	63	110	104	95	117	112	106	21	3	6			3
		MES SHAKIRA		19	32	58	64	45	77	64	76	65	67	69	72			6			1
ELEVATION PARIS HILTON	2019	ELEVATION DAX	11.55	146	70	102	109	121	102	123	127	122	125	127	129	41	7	20	4	4	12
		BELBUSK KARMAH		47	63	65	72	50	84	72	83	73	75	77	80			12			1
BOSTU QUILLEN	2020	ELEVATION COOPER	7.00	94	82	82	106	129	81	118	112	111	121	121	118	1	1				
		BOSTU GI JANE		10	27	45	55	35	68	55	67	56	58	60	64						
BOSTU MARIE	2020	ELEVATION COOPER	7.00	94	82	84	101	127	79	121	116	111	121	119	118	3	1	1			1
		BOSTU GI JANE		10	27	40	50	33	60	50	59	51	52	54	57			1			1
BOSTU JUDY	2020	BOSTU DADDY COOL	8.80	86	96	123	108	116	102	112	110	109	116	116	115	5	1				
		MES KYLIE		6	28	41	56	35	69	56	68	57	59	61	65						

