

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 GOMORA BOERBOEL

34 THE BELMORAL EXT
DEDEUR
VEREENIGING
1884



Kennel Number: 695663



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.

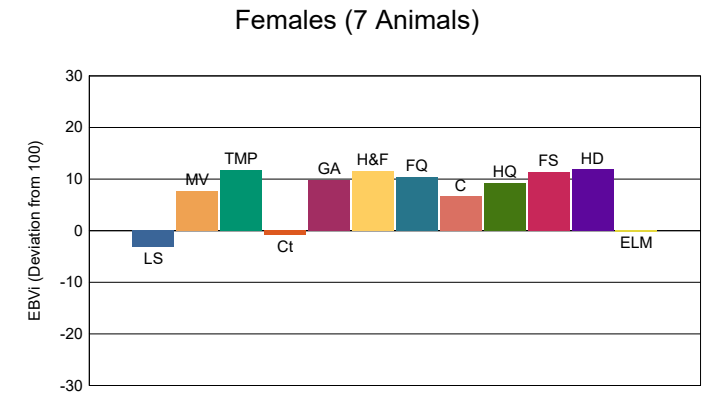
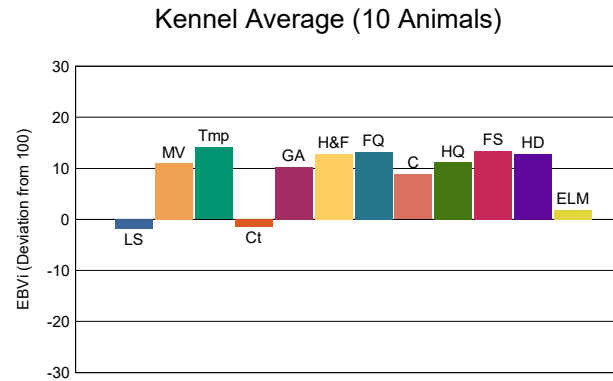
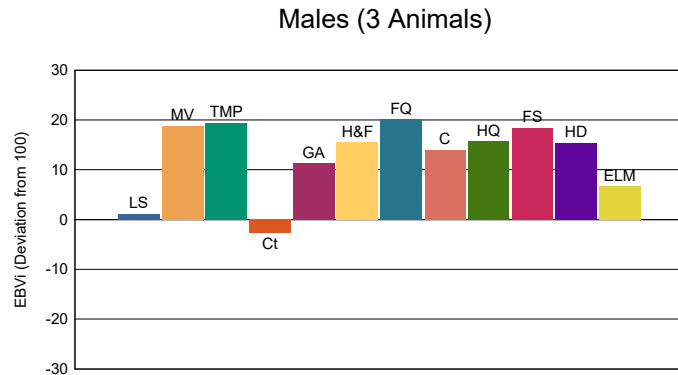
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	98	101	97
Movement (Mv)	111	119	108
Temperament (Tmp)	114	119	112
Coat (Ct)	99	97	99
General Appearance	110	111	110
Head & Face (H&F)	113	116	112
Front Quarter (FQ)	113	120	110
Centre (C)	109	114	107
Hind Quarter (HQ)	111	116	109
Final Score (FS)	114	118	111
Hip Health (HH)	113	115	112
Elbow Health (ELM)	102	107	100

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.

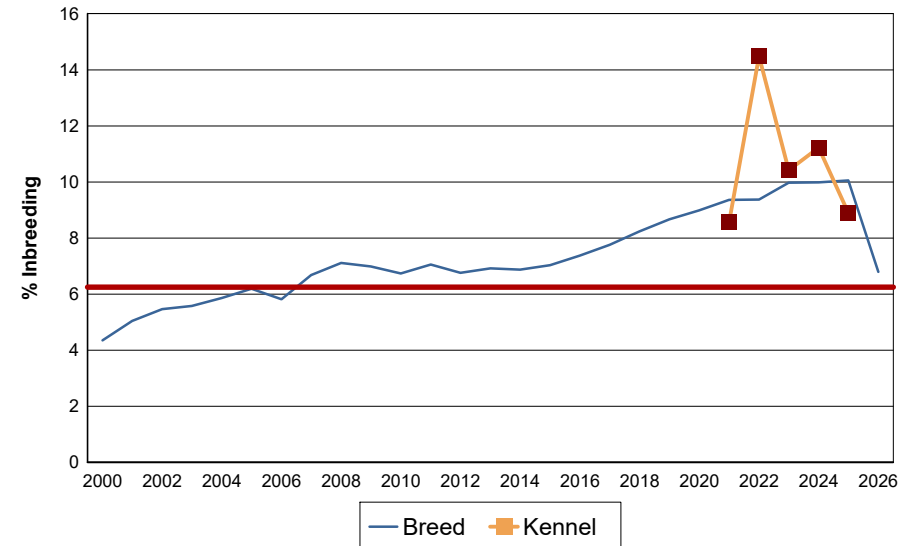
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

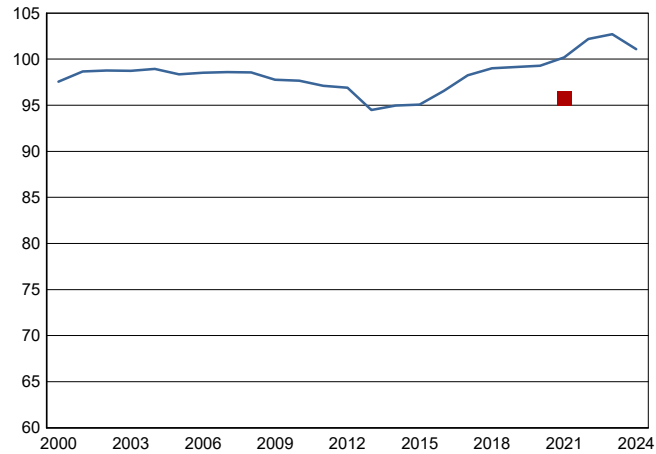


Inbreeding Levels

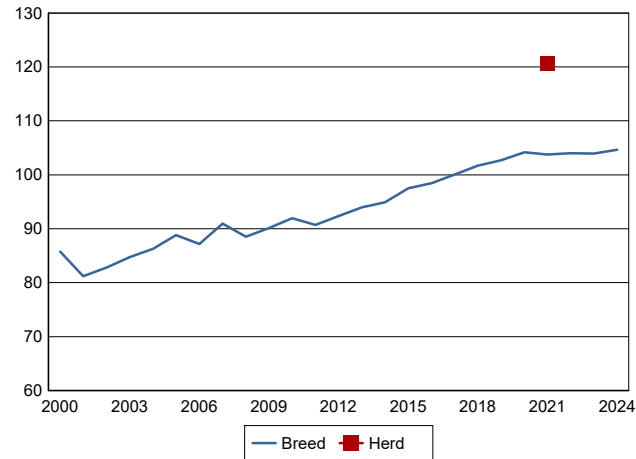
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	10	49007	3	25141	7	23857	7	3371	8	6287
Average Inbreeding	9.74	8.49	11.10	8.46	9.16	8.53	10.59	8.01	9.32	8.00
Number inbred	10	48727	3	24990	7	23728	7	24990	8	23728
Number >6.25% Inbr.	8	30600	3	15537	5	15058	5	15537	7	15058

Genetic Trends

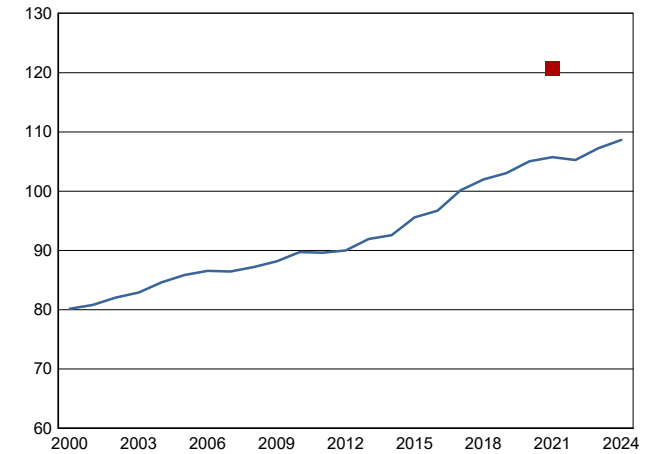
Litter Size



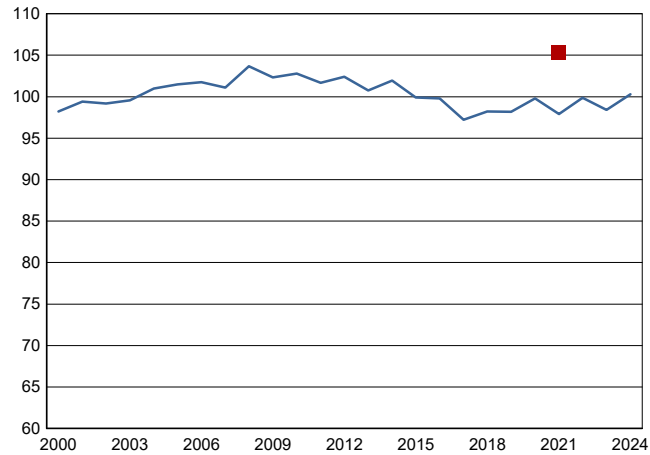
Movement



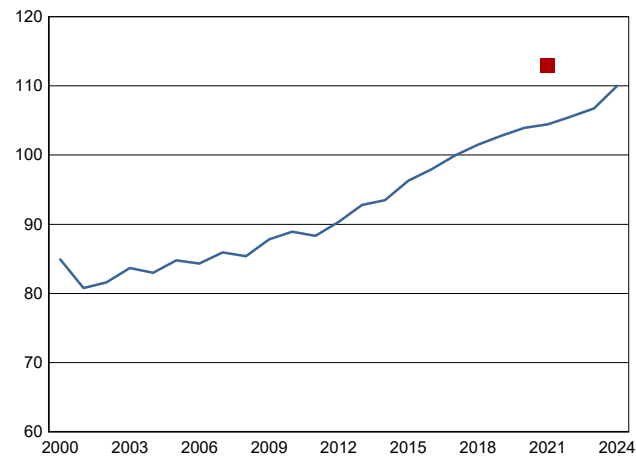
Temperament



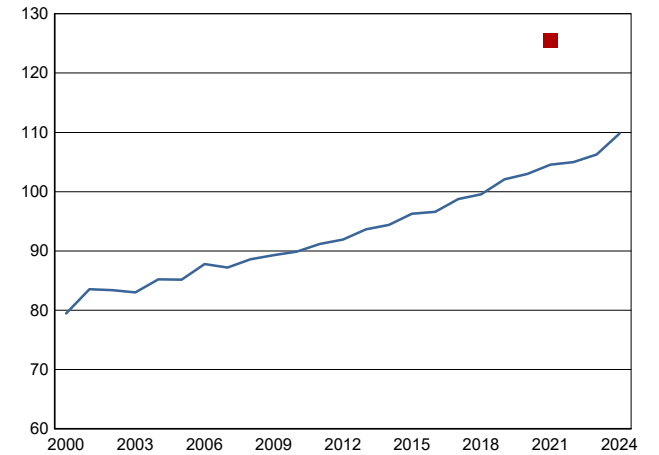
Coat



General Appearance

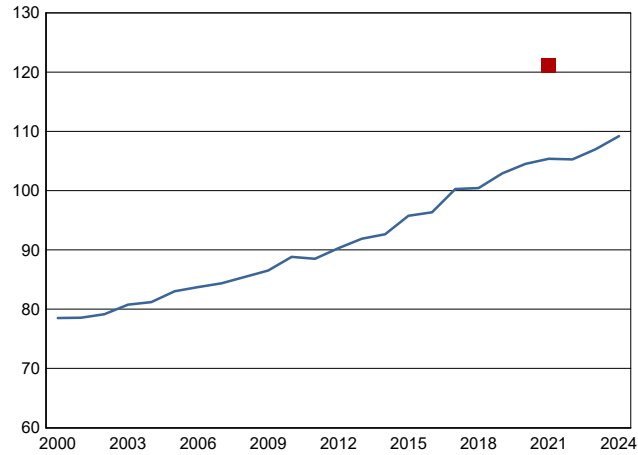


Head & Face

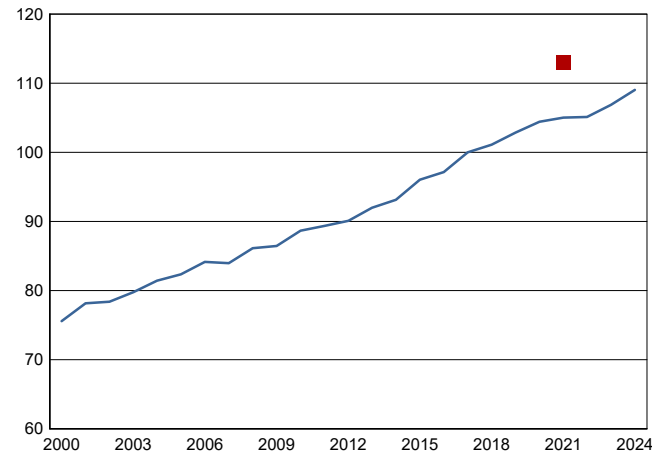


Genetic Trends

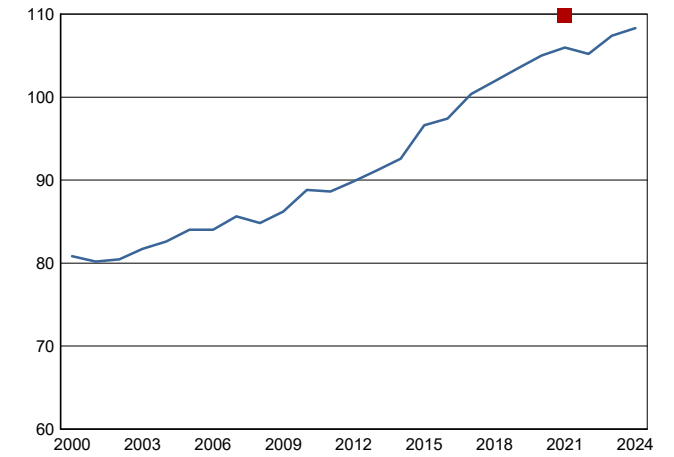
Front Quarter



Centre

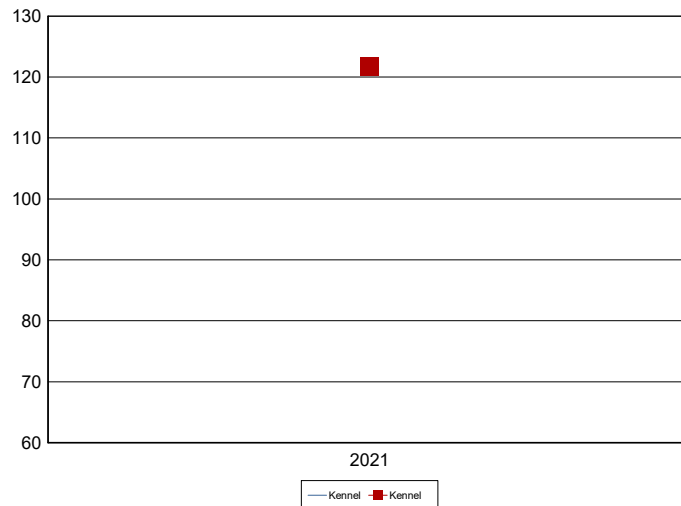


Hind Quarter

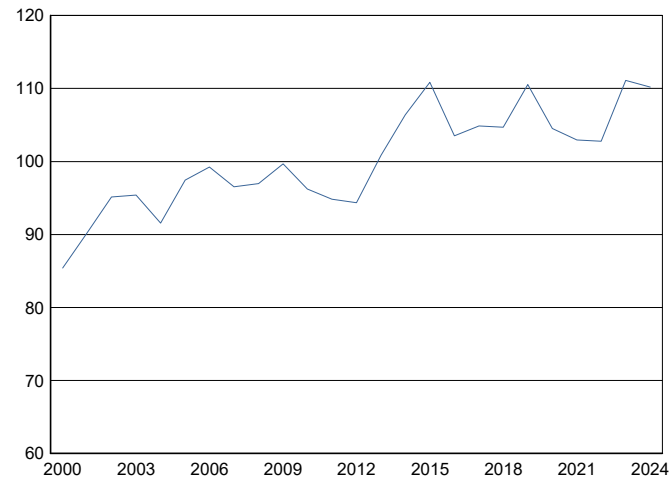


Final Score & Health Traits

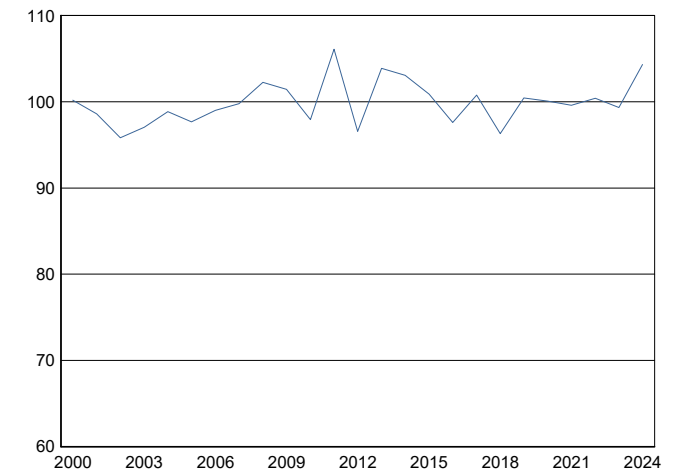
Final Score



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	
JAMBAL BIKO		JAMBAL LEONIDAS	10.87	122	113	103	118	119	87	110	111	119	116	119	117	6	3				
	2021	JAMBAL DOUBLE TROUBLE		5	5	20	52	25	67	51	66	53	55	57	62						
GOMORA TAYLOR		GOMORA MKHONTO	11.22	112	104	100	119	120	102	112	118	121	113	114	119						
	2024	JAMBAL LERATO		5	5	5	28	5	43	27	42	29	31	33	38						
GOMORA CHAMBER		GOMORA MKHONTO	11.22	112	104	100	119	120	102	112	118	121	113	114	119						
	2024	JAMBAL LERATO		5	5	5	28	5	43	27	42	29	31	33	38						

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	
BOSTU SEBABATSO		BOSTU ZAZU	8.89	98	93	88	90	107	95	112	116	107	109	110	112	2	1				
	2020	MES LULU V		5	24	42	57	36	69	56	68	57	59	61	65						
TERRIBLE TWINS SPONONO		TERRIBLE TWINS GHETTO HERO	5.86	104	91	109	86	104	93	106	110	104	90	90	98	3	1				
	2021	CAVIN REGAL TINA		5	5	18	49	20	66	49	65	50	53	55	61						
JAMBAL LERATO		JAMBAL LEONIDAS	10.87	122	113	105	118	119	99	111	110	120	113	118	117	3	1				
	2021	JAMBAL DOUBLE TROUBLE		5	5	27	52	25	67	51	66	53	55	57	62						
AFRIKA SHAZZ		MES RUBENSTEIN	8.52	110	99	99	108	113	97	102	100	107	101	115	107	1	1				
	2021	AFRIKA LAGITTA		12	27	42	48	31	56	48	56	49	50	51	54						
MIGHTY LARA II		MIGHTY MABULA	5.53	125	105	81	113	106	108	114	117	106	109	105	113	8	3	2			
	2021	ELEVATION LILLY PIT		5	5	42	51	25	68	51	67	52	54	57	62						
ALPHA TWIN PEACH		GOMORA MKHONTO	15.57	101	89	104	124	122	104	111	115	116	112	114	119						
	2024	TERRIBLE TWINS X - GIRLFRIEND		5	5	5	24	5	40	24	39	25	27	30	35						
GOMORA BUHLE		JAMBAL BIKO	8.89	123	109	92	115	112	98	112	114	112	113	112	115						
	2025	MIGHTY LARA II		5	5	8	30	5	44	30	43	31	33	36	40						

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	
BOSTU ZAZU		MES ASKAM	7.38	76	91	37	101	116	83	121	121	105	112	110	114	175 29	52 36	10 11		29 5
	2016	MES SHAKIRA		47	62	64	80	61	89	80	89	81	82	84	87					
MES RUBENSTEIN		GROENBERG BBD RAMBO	4.08	111	59	133	122	134	109	99	101	114	104	128	116	314 52	101 83	21 20		83 11
	2016	MES LIZE		58	67	73	86	71	92	86	92	87	88	89	90					
MIGHTY MABULA		AFRIKA HAVANNAH	5.76	125	129	101	96	86	101	102	111	92	93	87	97	64 8	13 8			9 2
	2016	LINGA LONGA ZELITA		28	24	39	64	38	78	64	78	65	67	70	74					
TERRIBLE TWINS GHETTO HERO		ELEVATION GHETTO-ROUGH	23.49	104	77	93	109	125	103	123	132	117	105	106	121	13 1	7 7			4 1
	2019	ROKAFELA LWANDLE		5	5	16	57	27	72	56	71	58	60	62	67					
JAMBAL LEONIDAS		MIDDELPOS BBD GAMKA	14.72	125	109	94	119	124	109	110	113	126	116	120	121	13 1	7 5			5 1
	2019	JAMBAL TOGO		5	5	33	61	38	75	59	74	62	64	66	70					
JAMBAL BIKO		JAMBAL LEONIDAS	10.87	122	113	103	118	119	87	110	111	119	116	119	117	6 3				
	2021	JAMBAL DOUBLE TROUBLE		5	5	20	52	25	67	51	66	53	55	57	62					
GOMORA MKHONTO		TERRIBLE TWINS MPIYAKHE	7.86	102	94	96	121	121	105	113	126	121	113	110	122	21 3				
	2021	MES SHIBA		5	5	18	45	14	63	45	62	46	49	51	57					

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 LULU V		MES ARNOLD 1	11.46	120	96	132	97	100	118	96	106	107	101	113	108	22	3	12			7
	2018	MES MAXI		22	39	61	71	52	81	70	80	72	73	75	78			11	3	3	2
ELEVATION LILLY PIT		ELEVATION DAX	11.55	124	81	77	109	115	106	116	121	116	116	116	121	2	1	1			1
	2019	BELLBUSK KARMAH		15	31	48	59	38	72	58	71	59	61	63	67			1			1
AFRIKA LAGITTA		CABARET BALBOA	8.63	108	138	83	94	92	85	106	99	100	99	102	97	9		2			3
	2019	AFRIKA SAKABEKKIE		5	23	37	56	28	72	55	71	56	59	61	66			2	1	1	1
CAVIN REGAL TINA		MAKARIOS BBD AJACKS	7.28	103	106	114	73	87	95	99	95	95	86	78	85	21	3	8			6
	2019	SA EXTREME NIKITA		5	5	39	59	33	73	58	73	60	62	64	69			8			1
JAMBAL DOUBLE TROUBLE		MES MAC GYVER	8.63	119	117	112	117	115	78	103	112	115	108	118	113	21	2	11			9
	2019	MIDDELPOS BBD EMILY		5	9	46	64	39	77	63	76	65	67	69	73			8			1
JAMBAL LERATO		JAMBAL LEONIDAS	10.87	122	113	105	118	119	99	111	110	120	113	118	117	3	1				
	2021	JAMBAL DOUBLE TROUBLE		5	5	27	52	25	67	51	66	53	55	57	62						
MIGHTY LARA II		MIGHTY MABULA	5.53	125	105	81	113	106	108	114	117	106	109	105	113	8	3	2			
	2021	ELEVATION LILLY PIT		5	5	42	51	25	68	51	67	52	54	57	62			2			
TERRIBLE TWINS X - GIRLFRIEND		ELEVATION GHETTO-ROUGH	10.62	100	84	113	128	124	103	109	104	112	112	119	115	8	3				
	2021	BODINGTON BOERBOEL SARAH CONNOR		5	5	31	48	24	61	50	60	48	50	52	56						

