

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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MOLEPOLOLE
KWENENG
BOTSWANA



Kennel Number: 704752



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.

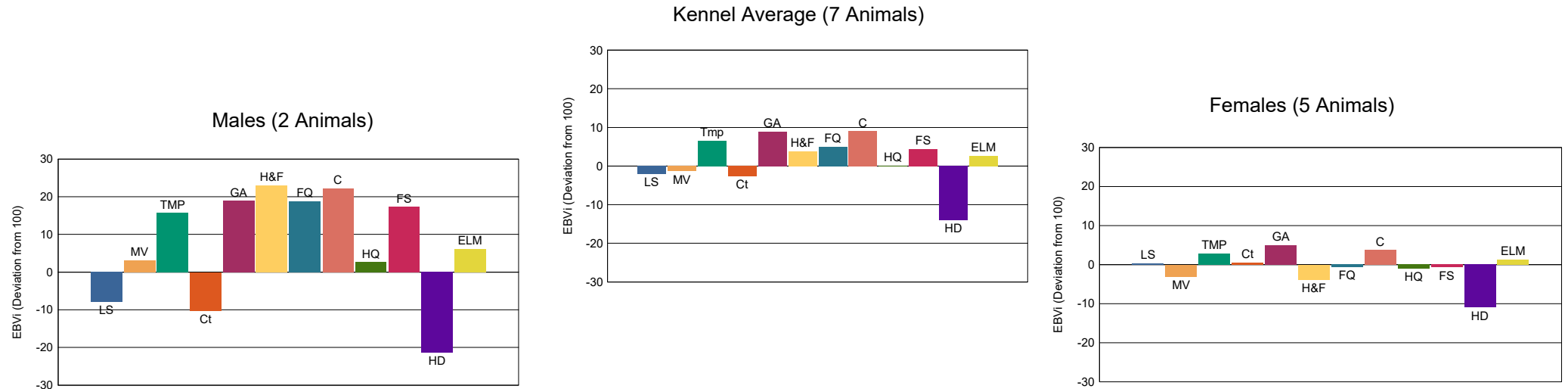
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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	92	100
Movement (Mv)	99	103	97
Temperament (Tmp)	107	116	103
Coat (Ct)	97	90	101
General Appearance	109	119	105
Head & Face (H&F)	104	123	96
Front Quarter (FQ)	105	119	99
Centre (C)	109	122	104
Hind Quarter (HQ)	100	103	99
Final Score (FS)	104	117	99
Hip Health (HH)	86	79	89
Elbow Health (ELM)	103	106	101

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.

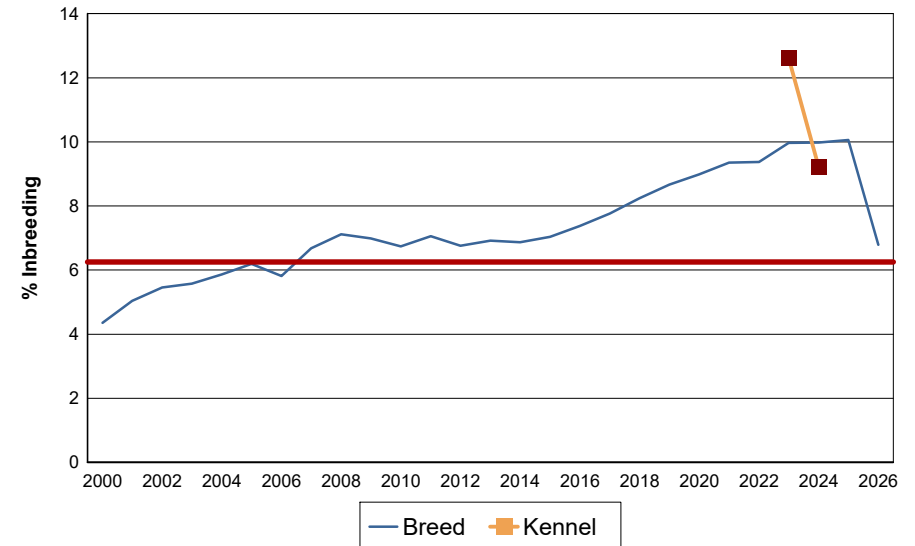
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

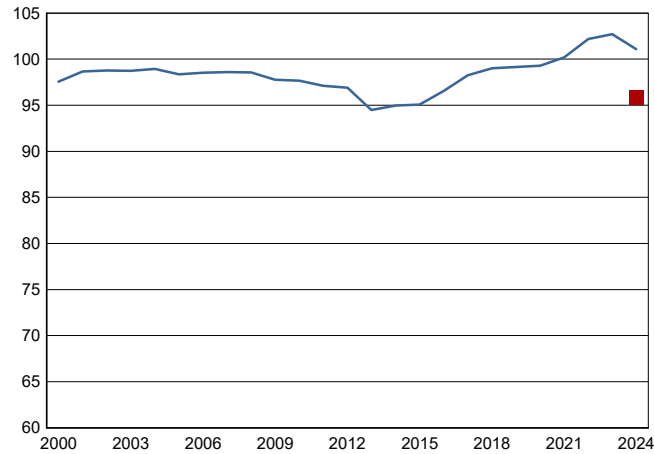


Inbreeding Levels

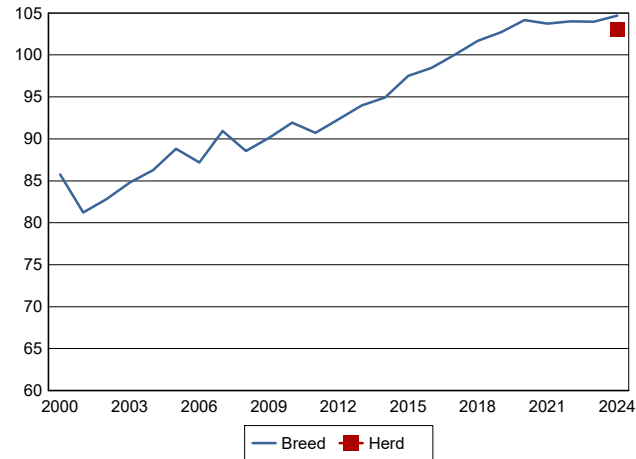
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	7	49007	2	25141	5	23857	6	3371	6	6287
Average Inbreeding	10.41	8.49	8.75	8.46	11.07	8.53	15.47	8.01	10.58	8.00
Number inbred	7	48727	2	24990	5	23728	6	24990	6	23728
Number >6.25% Inbr.	5	30600	2	15537	3	15058	6	15537	4	15058

Genetic Trends

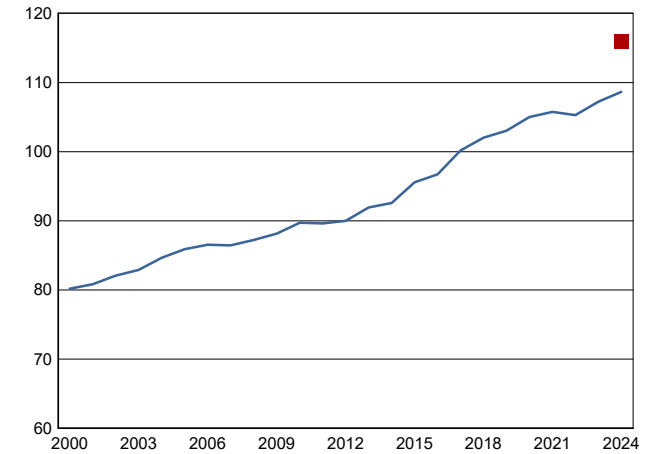
Litter Size



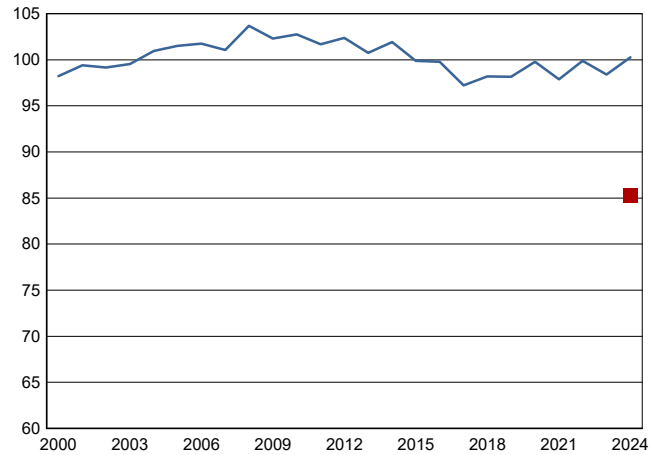
Movement



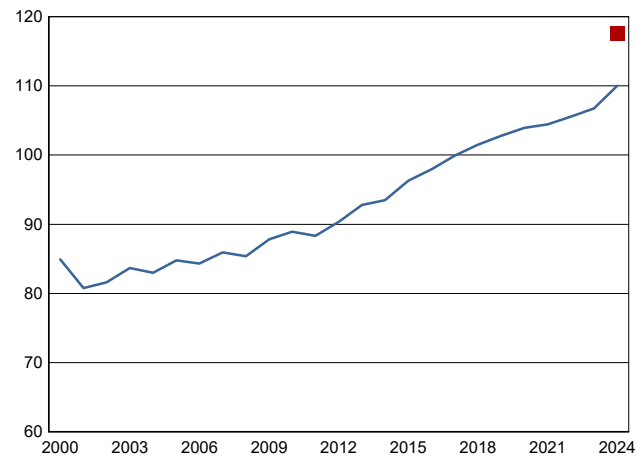
Temperament



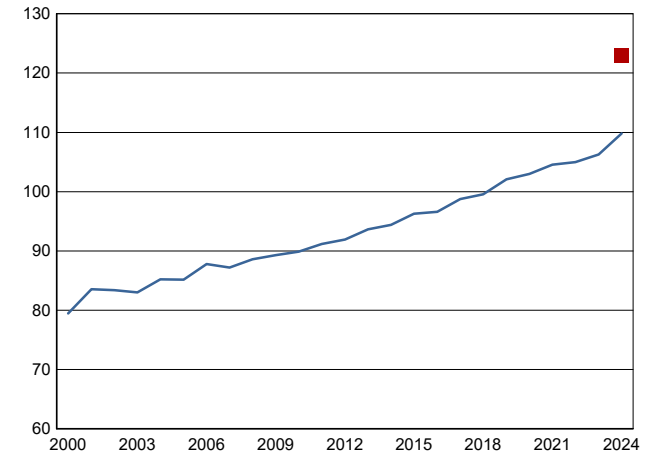
Coat



General Appearance

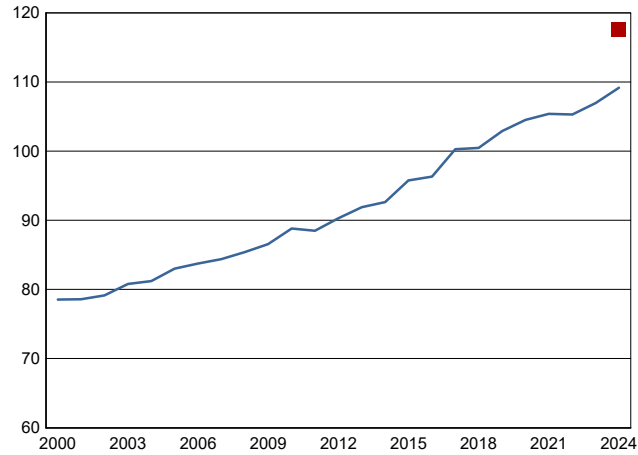


Head & Face

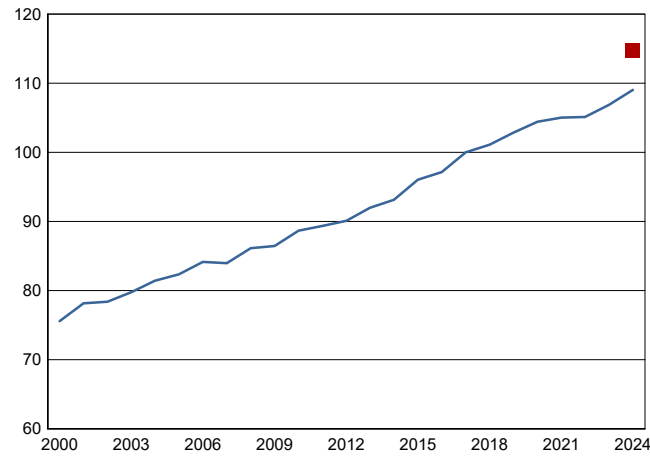


Genetic Trends

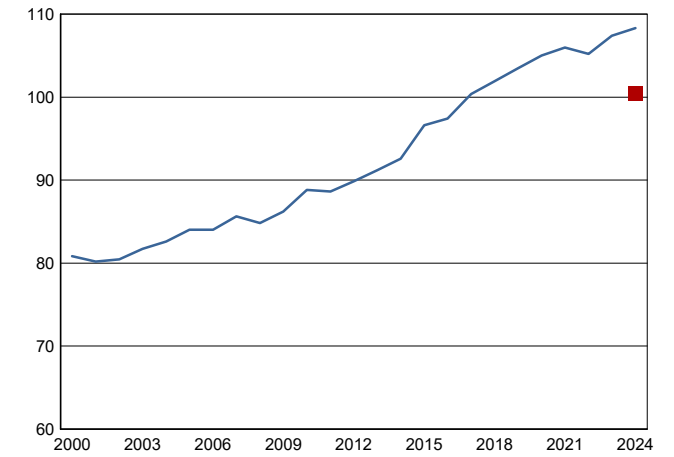
Front Quarter



Centre



Hind Quarter

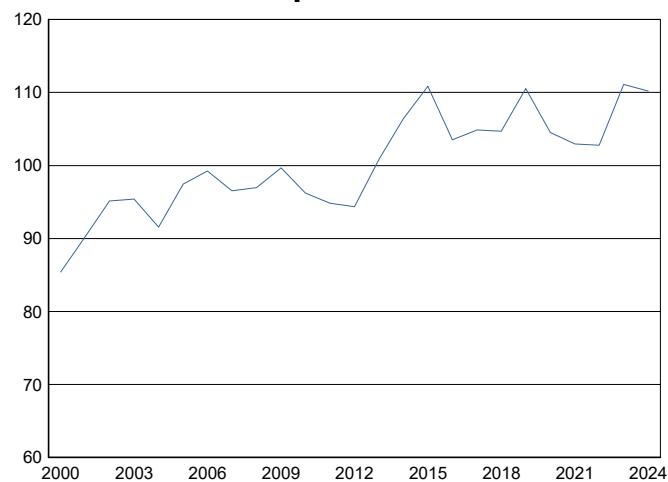


Final Score & Health Traits

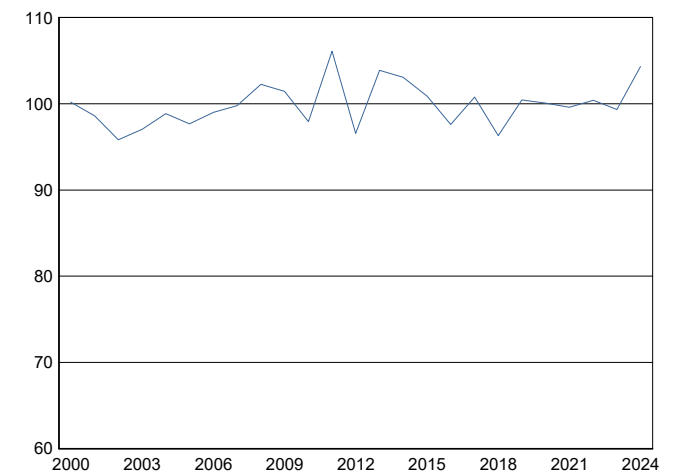
Final Score



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	
JOSMOT TRUMP		MES HITLER BLAKE	8.29	70	111	88	103	116	94	120	123	120	130	105	120	8	3	1			
	2020	TARGUS LUNA		5	5	23	51	26	65	50	64	51	53	56	60			1			
TYROBOY PUTTIN		JOSMOT TRUMP	9.21	87	101	96	103	116	85	118	123	118	115	100	115						
	2024	TERRIBLE TWINS LUCY		5	5	5	36	5	54	27	53	37	40	42	48						

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
SOUL MATES RITA	2020	SA SUPERIOR ROLLS ROYCE CAPTAIN MARUAPULA	5.90	96 5	91 5	115 5	111 42	111 5	124 60	121 41	94 59	106 43	105 46	102 49	106 54				
TERRIBLE TWINS LUCY	2021	TERRIBLE TWINS GHETTO HERO CAVIN REGAL TINA	5.86	104 5	91 5		90 48	108 19	104 64	120 48	111 63	106 49	96 51	93 54	103 59	3	1	1 1	
JOSMOT NONTLE	2021	TARGUS MOSCOW TARGUS LUNA	23.45	71 5	116 5	88 13	97 36	100 5	91 47	102 44	91 47	93 36	108 38	99 40	96 44	1	1		
JOSMOT MICKIE	2021	TARGUS MOSCOW TREBLA MINNIE	7.54	94 5	104 5	105 22	88 48	89 20	93 63	68 46	83 62	91 48	100 51	100 53	88 58				
TYROBOY POPPIE	2023	ROKAFELA STORY JOSMOT NONTLE	12.61	81 5	104 5	91 5	99 23	107 5	91 37		103 37	101 24	111 26	101 29	104 33				

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		
SA SUPERIOR ROLLS ROYCE		SA SUPERIOR BOGGOM	15.35	96	88	102	108	110	117	114	88	103	110	101	102	51 11	11 10		4 3		
	2016	SA SUPERIOR TOLBOS		5	5	12	58	25	74	56	73	58	61	64	69						
MES HITLER BLAKE		MES MASCOT	13.12	78	100	91	101	121	98	125	119	126	134	114	123	37 6	18 17	1 1	8 1		
	2018	MES SERABI		27	46	42	66	44	79	65	78	67	69	71	75						
TARGUS MOSCOW		TARGUS BOM BOEL	19.47	80	110	90	92	98	101	92	85	93	100	100	93	16 2	5 5		5 1		
	2019	TOKARA KENDALL		5	5	39	55	30	67	55	66	55	57	59	63						
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						
ROKAFELA STORY		ROKAFELA GUN	13.12	90	92	94	100	114	91	127	114	108	113	104	111	15 3	2 2				
	2020	ROKAFELA ZOE		5	5	7	48	15	66	45	65	49	51	54	60						
JOSMOT TRUMP		MES HITLER BLAKE	8.29	70	111	88	103	116	94	120	123	120	130	105	120	8 3	1 1				
	2020	TARGUS LUNA		5	5	23	51	26	65	50	64	51	53	56	60						

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	
TARGUS LUNA		SPITSVUUR BBD TOKARA DRIFTER	11.20	62	123	86	103	101	81	111	97	93	117	97	99	12	1	5			6
	2017	TARGUS RINA		5	5	45	62	42	75	62	74	63	65	67	71			5			1
TREBLA MINNIE		MAWEZA DISSELBOOM	10.18	107	98	119	89	101	110	89	108	114	110	105	108	20	4	12	1	1	10
	2018	TREBLA ULA II		5	5	43	63	37	77	62	77	64	66	69	73			9			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
CAPTAIN MARUPULA		KILIAN JACK HAMMER	5.50	96	94	128	108	105	126	105	98	107	97	100	103	4	1	1			
	2019	NSIZWA FRIDA		5	5	26	40	13	53	39	53	41	43	45	49			1			
TERRIBLE TWINS LUCY		TERRIBLE TWINS GHETTO HERO	5.86	104	91		90	108	104	120	111	106	96	93	103	3	1	1			
	2021	CAVIN REGAL TINA		5	5		48	19	64	48	63	49	51	54	59			1			
JOSMOT NONTLE		TARGUS MOSCOW	23.45	71	116	88	97	100	91	102	91	93	108	99	96	1	1				
	2021	TARGUS LUNA		5	5	13	36	5	47	44	47	36	38	40	44						

