

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MR S.W. MUWANGA-ZAKE

13 ROCKY DRIVE
E4 WORLDSVIEW
NORTHCLIFFE
2195



Kennel Number: 714977



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.

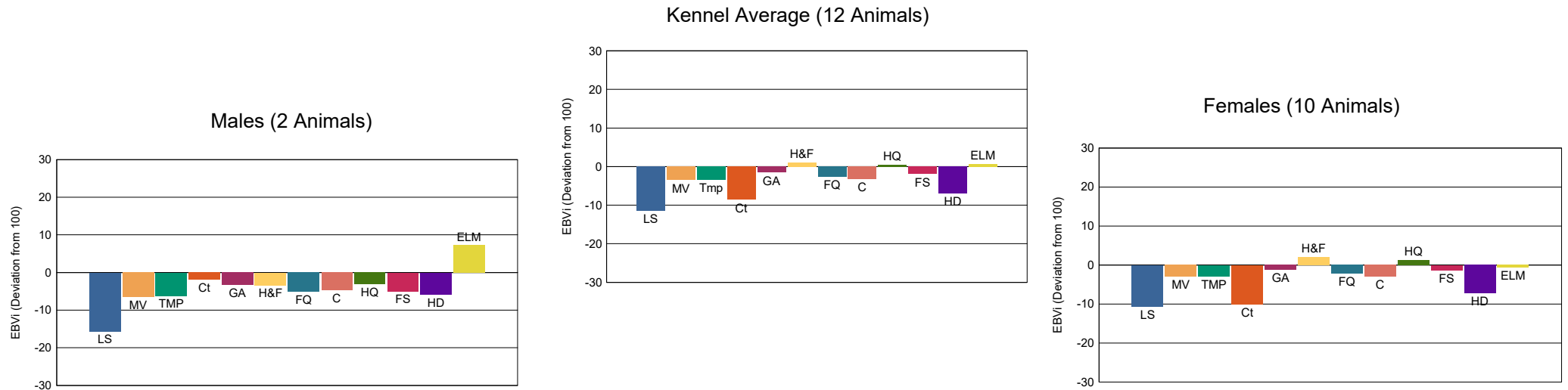
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	89	84	89
Movement (Mv)	96	94	97
Temperament (Tmp)	97	94	97
Coat (Ct)	91	98	90
General Appearance	98	97	99
Head & Face (H&F)	101	97	102
Front Quarter (FQ)	97	95	98
Centre (C)	97	95	97
Hind Quarter (HQ)	101	97	101
Final Score (FS)	98	95	99
Hip Health (HH)	93	94	93
Elbow Health (ELM)	101	107	99

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.

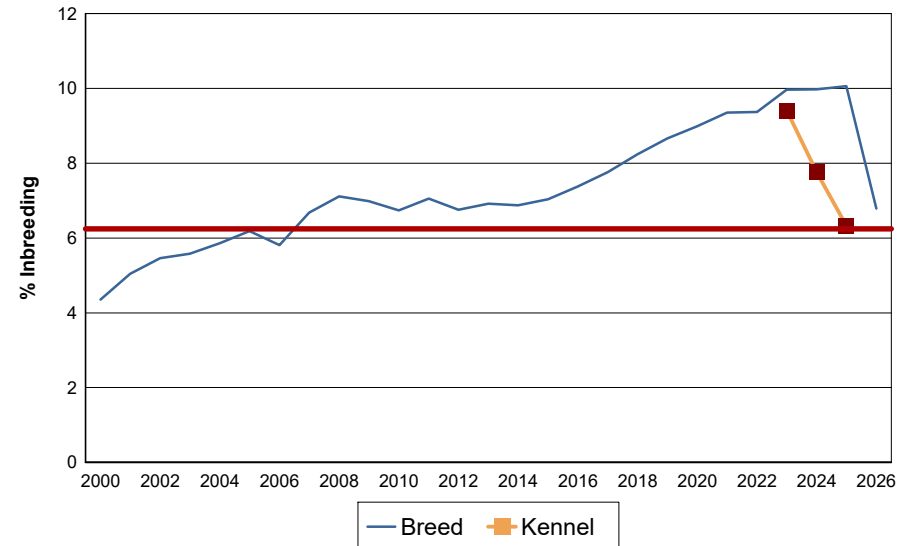
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

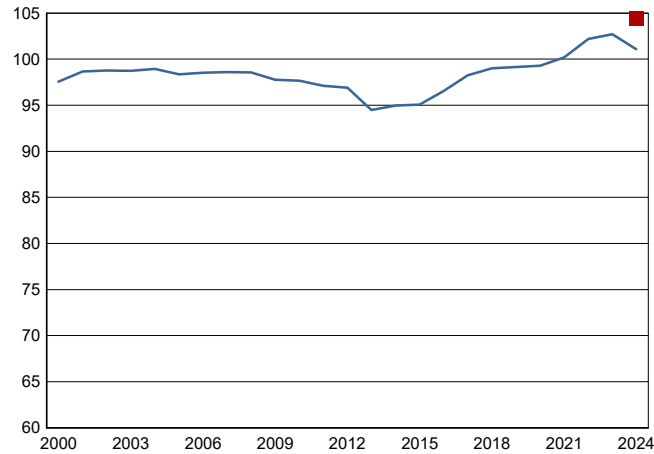


Inbreeding Levels

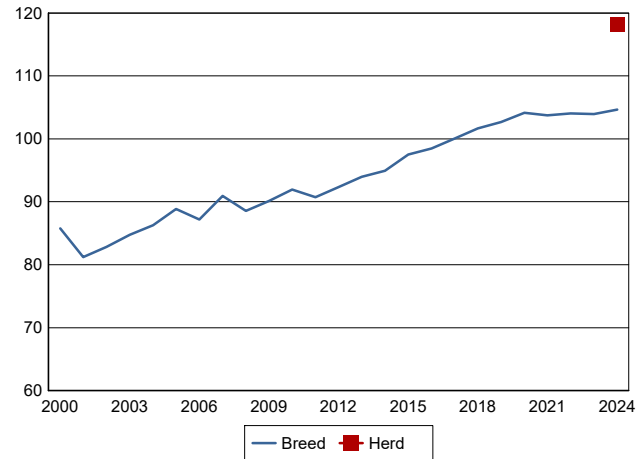
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	12	49007	2	25141	10	23857	7	3371	10	6287
Average Inbreeding	8.18	8.49	8.86	8.46	8.04	8.53	6.82	8.01	5.93	8.00
Number inbred	12	48727	2	24990	10	23728	7	24990	10	23728
Number >6.25% Inbr.	10	30600	2	15537	8	15058	3	15537	4	15058

Genetic Trends

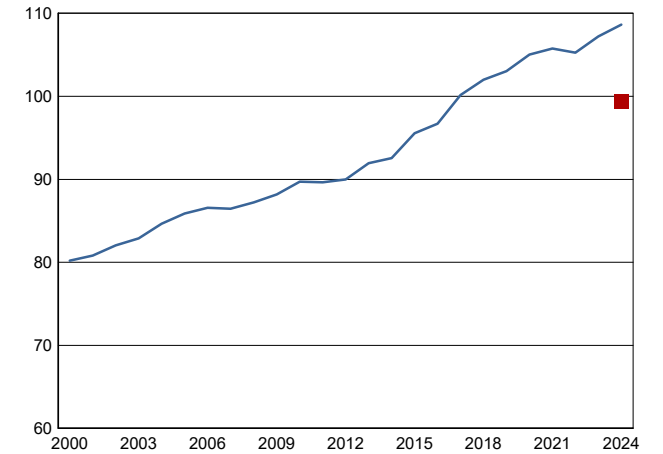
Litter Size



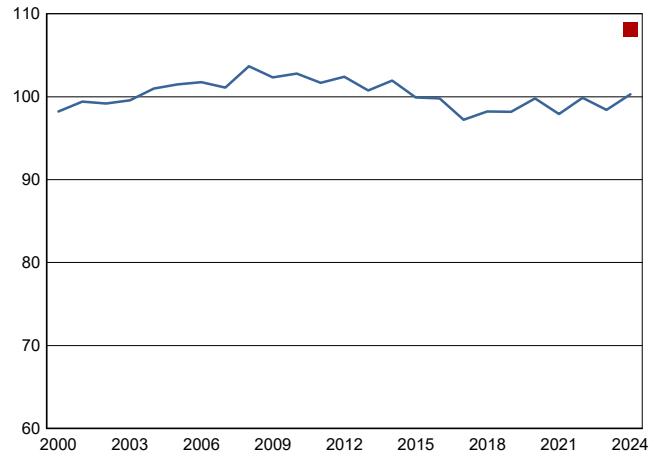
Movement



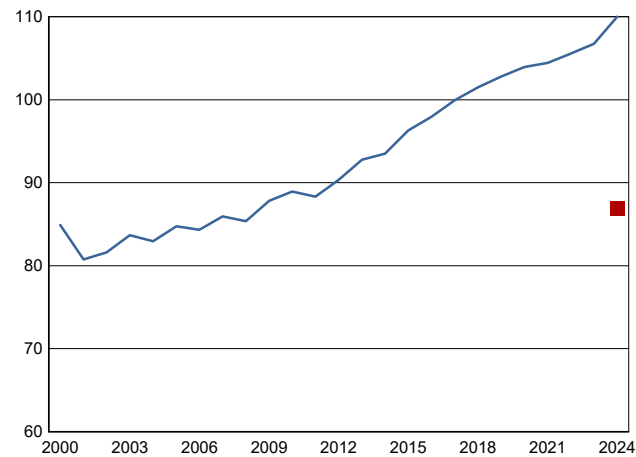
Temperament



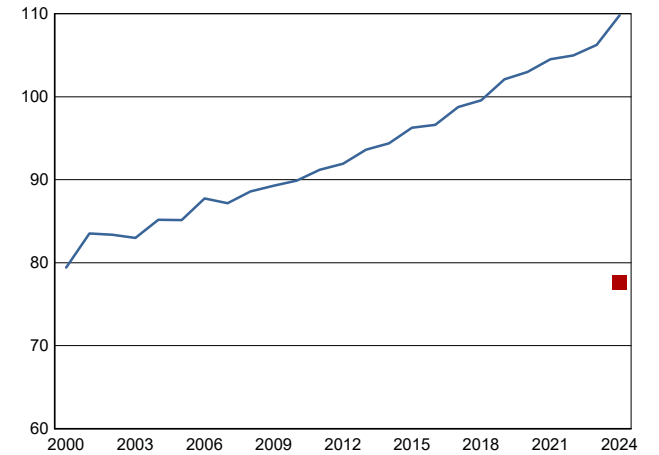
Coat



General Appearance

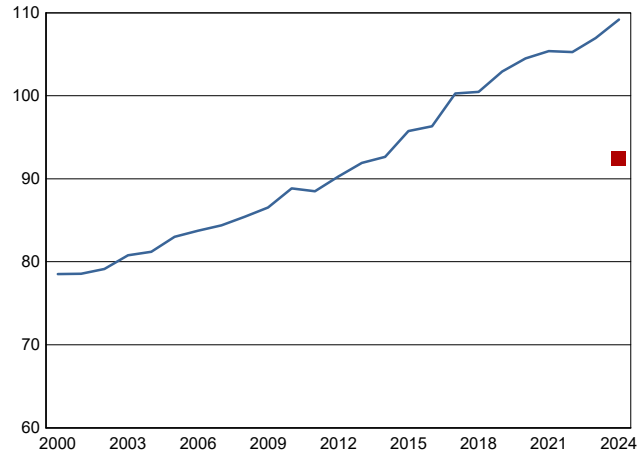


Head & Face

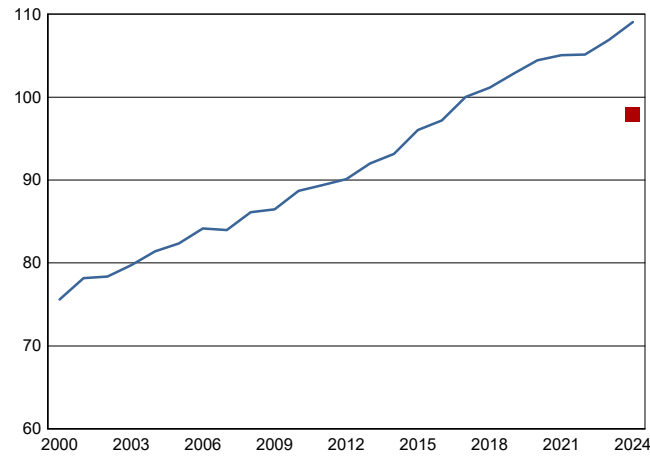


Genetic Trends

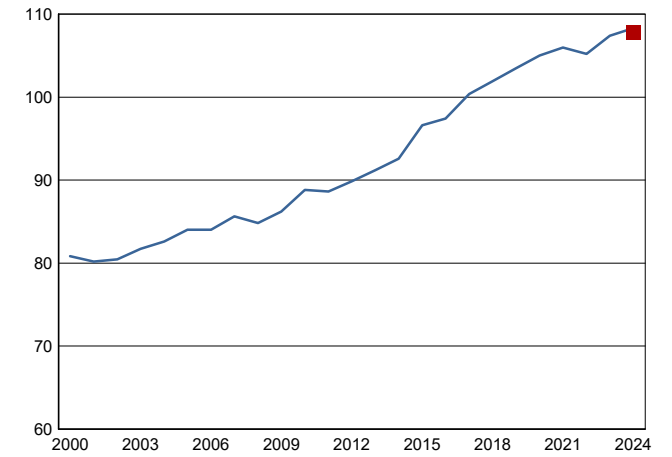
Front Quarter



Centre



Hind Quarter

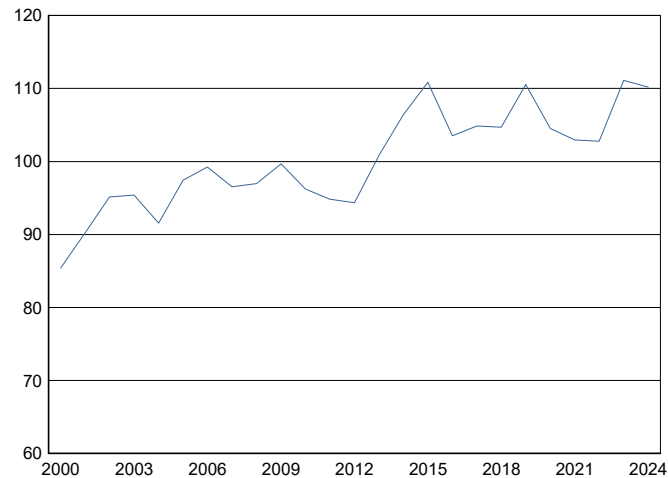


Final Score & Health Traits

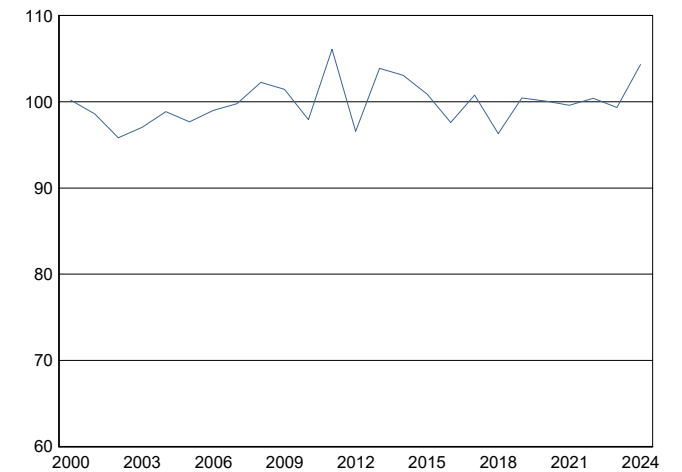
Final Score



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	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	
RALZUCA OLLI	MIDDELPOS BBD DON		7.21	106	108	88	91	100	95	102	109	101	98	99	102						
	2024	RALZUCA LILLI		5	5	5	28	5	43	28	43	29	31	34	38						
AFERO MR L	JOSMOT MR SIR		10.52	83	106	81	97	88	101	92	84	88	93	95	88						
	2024	RALZUCA LISA		5	5	5	31	5	45	30	45	31	34	36	41						

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	
RALZUCA LILO	2020	HEINEMAN BISMARK 1	5.20	94	99	79	90	108	94	110	116	112	102	87	104	5	2	2			1
		JULIA LIRA		5	5	39	50	26	67	49	66	51	53	56	61						1
RALZUCA LISA	2020	VOLSPOED BAKKIES1	7.75	87	101	77	90	83	83	86	86	84	87	92	83	7	4	1			1
		JULIA LIRA		5	5	36	51	24	67	51	66	52	54	57	62						1
RALZUCA LILLI	2021	VOLSPOED BAKKIES1	7.22	95	102	90	85	93	80	96	98	91	88	84	88	6	2				
		RALZUCA LILO		5	5	26	47	20	65	47	63	48	51	53	59						
KADIMA PARAGANOVZI	2022	KADIMA DRAGANOV	8.05	114	82	114	117	122	107	121	121	126	117	120	125						
		AFRIKA PERAZZI		5	5	24	47	20	64	46	63	48	50	53	58						
KADIMA ZEPHYR	2023	SUBIRI KADIMA PROTECTA	8.62	80	99	109	97	82	98	78	81	80	73	94	81	4	1				
		KADIMA TAURUS		5	5	27	47	11	66	46	64	48	51	53	59						
RALZUCA BACHINI	2023	VOLSPOED BAKKIES1	4.56	103	106	89	113	110	82	111	112	108	112	120	114	3	1				
		KADIMA FRANCHINI SPAZ		5	5	25	50	24	67	47	66	51	53	56	61						
RALZUCA PROAURA	2023	SUBIRI KADIMA PROTECTA	13.14	88	101	89	81	83	56	75	101	93	89	104	90						
		KADIMA TAURA		5	5	5	43	5	64	43	62	45	47	51	57						
KADIMA ZUBIKA	2024	VOLSPOED BAKKIES1	6.98	93	102	64	92	97	81	104	101	86	95	107	98	1	1				
		KADIMA ZBRUJOVKA		5	5	27	50	23	66	49	65	51	53	55	61						
AFERO TESHA	2024	BRIEL THE GHOST	8.39	92	97	102	110	105	116	116	119	111	115	110	118						
		ROKAFELA TEDDY		5	5	5	48	17	66	47	65	49	51	54	60						
AFERO MRS L	2024	JOSMOT MR SIR	10.52	83	106	81	97	88	101	92	84	88	93	95	88						
		RALZUCA LISA		5	5	5	31	5	45	30	45	31	34	36	41						

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	
HEINEMAN BISMARCK 1	2017	GROENBERG BBD RAMBO	4.55	110	100	91	97	119	108	117	114	118	108	98	111	54	8	12		8
		ROBUST SHILA		25	32	49	57	43	69	57	68	58	59	61	65			11		5
VOLSPOED BAKKIES1	2018	CABARET BALBOA	3.68	96	105	95	94	95	58	93	86	83	94	103	87	64	13	17		11
		HOREB BELLE		5	5	37	67	42	81	67	80	68	70	73	77			10		3
BRIEL THE GHOST	2020	WIESENHOF MENEER	4.99	91	107	114	103	96	129	107	107	104	108	96	107	93	16	21		14
		ALESSANDRO BELLA		5	5	26	65	36	80	63	79	66	68	71	76			13		4
KADIMA DRAGANOV	2021	BOSTU QUINN	6.03	109	81	91	110	114	97	127	127	120	115	118	123	8	1	3		1
		KADIMA FRANCHINI SPAZ		5	17	32	50	27	62	49	61	50	52	54	58			3		1
SUBIRI KADIMA PROTECTA	2022	KADIMA VOODOO	7.07	97	99	83	87	93	60	78	102	96	92	105	93	11	4	4		2
		SUBIRI DIA		5	5	20	46	14	63	45	62	47	49	52	58			3		1
MIDDELPOS BBD DON	2022	MIDDELPOS BBD XANDER I	8.20	116	115	86	96	107	110	107	119	112	108	114	116	20	8			
		MIDDELPOS BBD MEVROU		5	5	13	49	21	66	48	65	49	52	55	60					
JOSMOT MR SIR	2022	ELDORADO BBD FRANK SINATRA	13.19	79	112	85	104	92	119	98	83	93	98	97	93	10	3	2		
		JOSMOT NTOMBI I		5	5	5	51	16	69	49	68	52	54	57	63			1		

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	
JULIA LIRA	2017	MES ROUKAN	6.56	78	97	72	85	93	72	92	102	99	92	77	88	31	6	9			5
		ELEVATION LISA		5	19	48	59	33	74	58	73	60	62	64	69			7			1
KADIMA TAURUS	2018	MAXIPAL TROMPIE	4.32	63	99	141	95	74	124	81	62	72	70	90	73	52	5	12			5
		KADIMA MA-DUECE		17	34	51	62	35	77	61	76	63	65	68	72			11			1
AFRIKA PERAZZI	2019	MES RUBENSTEIN	5.96	119	83	137	120	118	116	100	101	113	103	121	113	38	5	6			4
		DEO-HAN ZIGGY		8	25	56	61	40	74	61	73	62	64	66	70			6			1
KADIMA FRANCHINI SPAZ	2020	GIANTS OF AFRICA MAXIMUS	3.33	111	107	83	109	103	99	111	122	115	113	121	120	17	3	6			6
		AURELIUS BREKER KALASHNIKOV		5	5	51	62	38	76	61	76	63	65	67	72			5			2
ROKAFELA TEDDY	2020	ROKAFELA GUN	9.44	93	86	90	95	104	114	123	116	107	112	116	116	8	2	1			
		ELEVATION EVA		5	5	28	52	26	68	52	67	53	55	58	63			1			
RALZUCA LILO	2020	HEINEMAN BISMARCK 1	5.20	94	99	79	90	108	94	110	116	112	102	87	104	5	2	2			1
		JULIA LIRA		5	5	39	50	26	67	49	66	51	53	56	61			2			1
KADIMA ZBRUJOVKA	2020	BOSTU ZAZU	4.47	90	99	50	92	104	83	113	123	99	105	111	111	15	2	3			2
		BREKER KALASHNIKOV		5	18	45	58	35	72	57	71	59	61	63	67			3			2
RALZUCA LISA	2020	VOLSPOED BAKKIES1	7.75	87	101	77	90	83	83	86	86	84	87	92	83	7	4	1			1
		JULIA LIRA		5	5	36	51	24	67	51	66	52	54	57	62			1			1
KADIMA TAURA	2020	BREKER FANUS	5.06	80	103	96	81	73	112	87	92	90	82	101	89	7	3	1			
		KADIMA TAURUS		5	5	40	55	31	69	55	68	56	58	60	64			1			
RALZUCA LILLI	2021	VOLSPOED BAKKIES1	7.22	95	102	90	85	93	80	96	98	91	88	84	88	6	2				
		RALZUCA LILO		5	5	26	47	20	65	47	63	48	51	53	59						

