

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MR M.C.J. COLTMAN

32 BAGGENS END
HUNTERS RETREAT
PORT ELIZABETH
6025



Kennel Number: 705739



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.

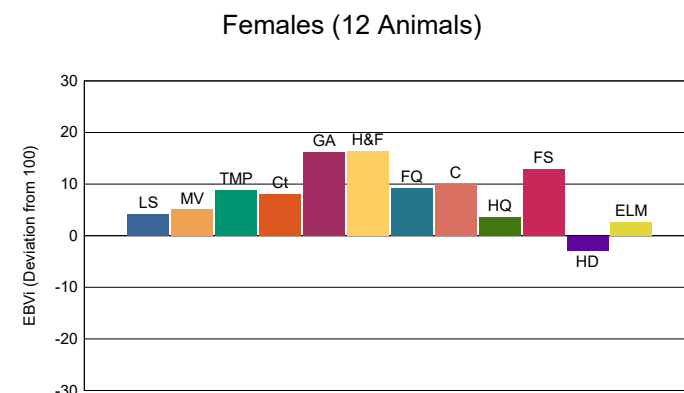
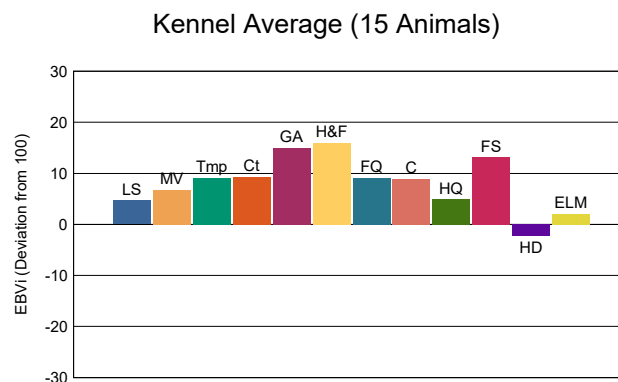
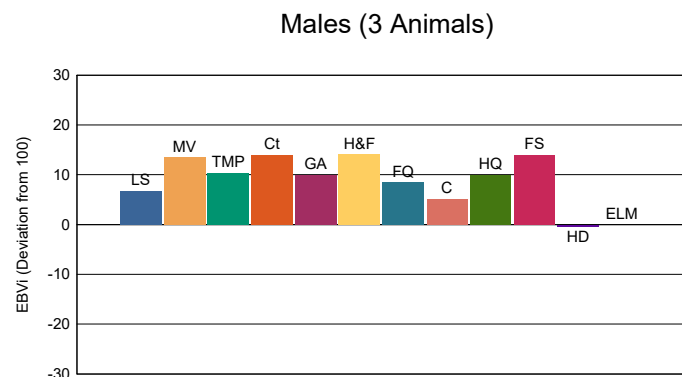
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	105	107	104
Movement (Mv)	107	113	105
Temperament (Tmp)	109	110	109
Coat (Ct)	109	114	108
General Appearance	115	110	116
Head & Face (H&F)	116	114	116
Front Quarter (FQ)	109	108	109
Centre (C)	109	105	110
Hind Quarter (HQ)	105	110	104
Final Score (FS)	113	114	113
Hip Health (HH)	98	100	97
Elbow Health (ELM)	102	100	103

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.

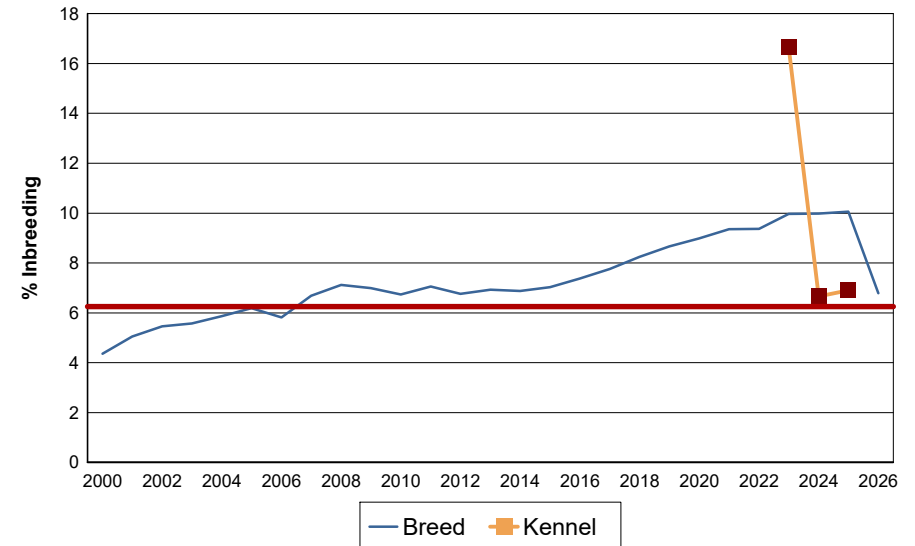
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

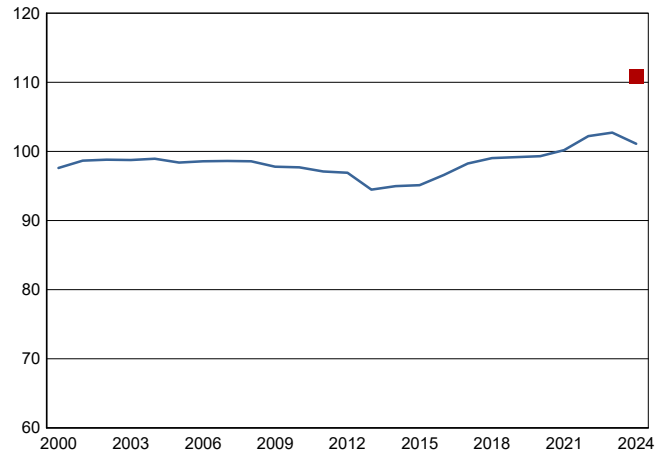


Inbreeding Levels

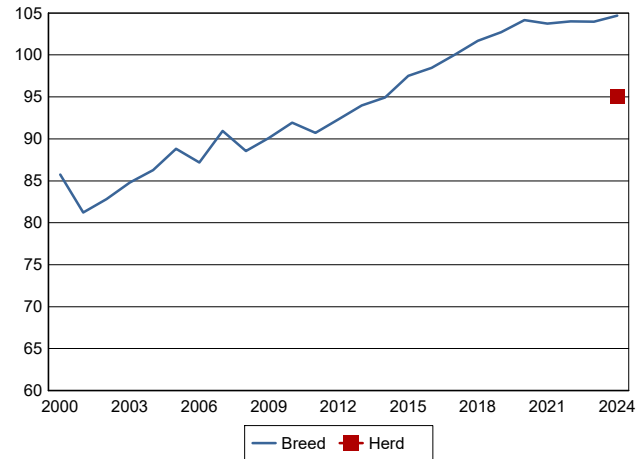
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	15	49007	3	25141	12	23857	8	3371	7	6287
Average Inbreeding	8.93	8.49	10.51	8.46	8.54	8.53	6.19	8.01	12.18	8.00
Number inbred	15	48727	3	24990	12	23728	8	24990	7	23728
Number >6.25% Inbr.	15	30600	3	15537	12	15058	3	15537	5	15058

Genetic Trends

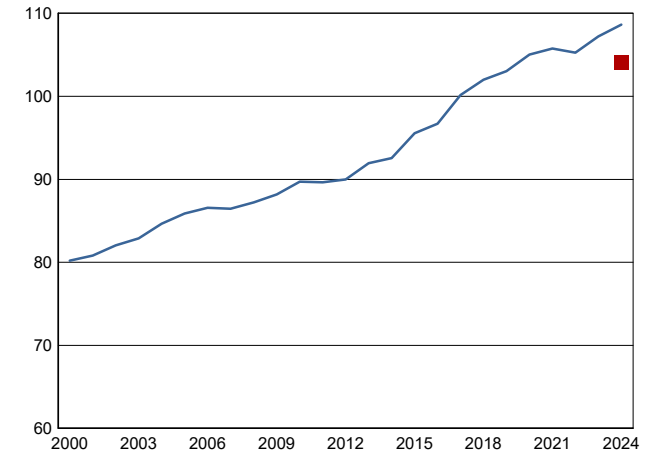
Litter Size



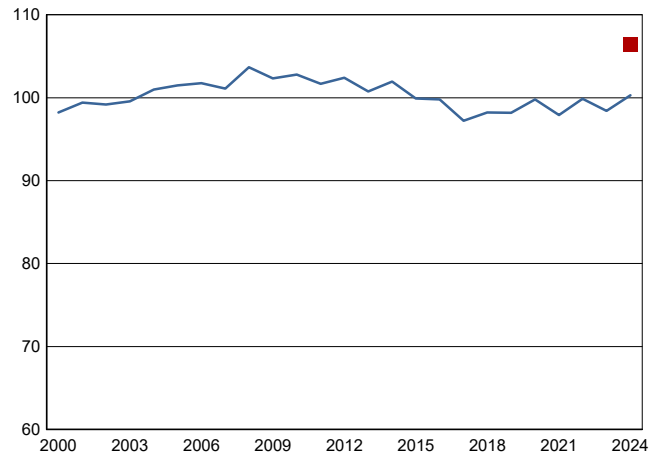
Movement



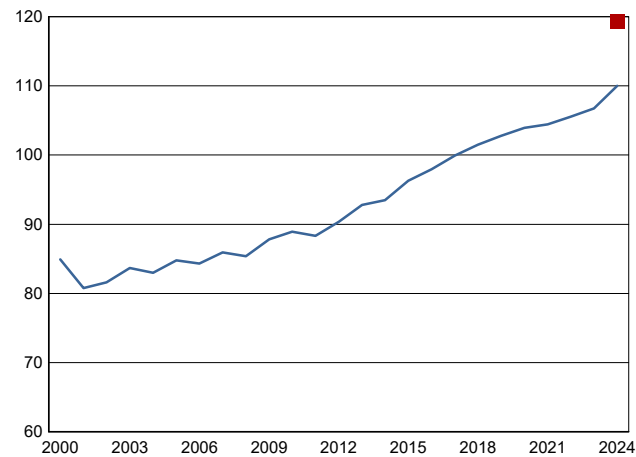
Temperament



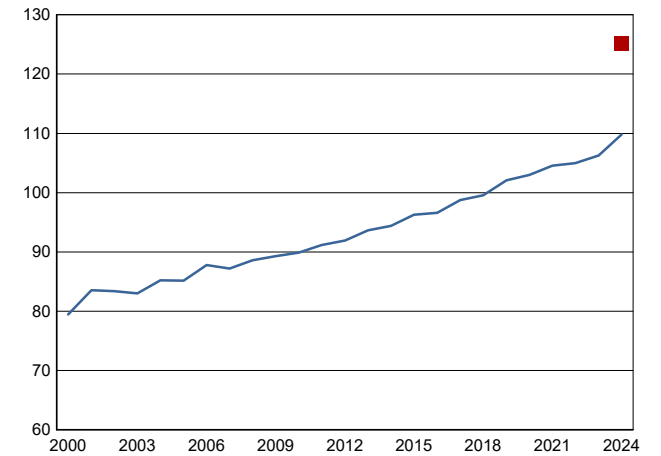
Coat



General Appearance

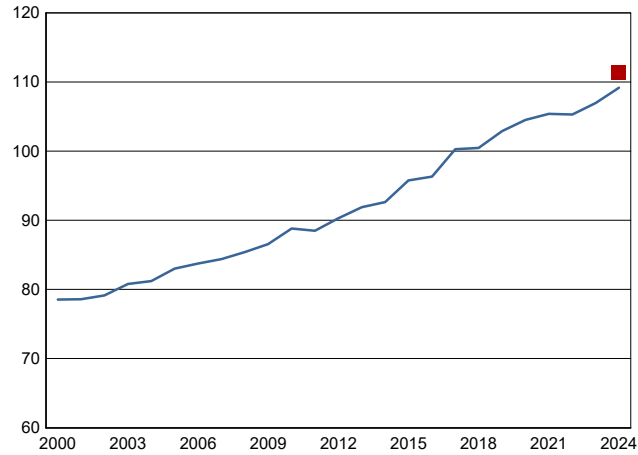


Head & Face

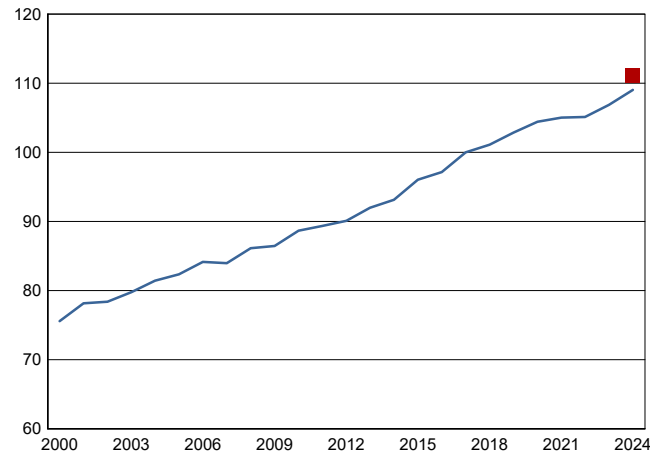


Genetic Trends

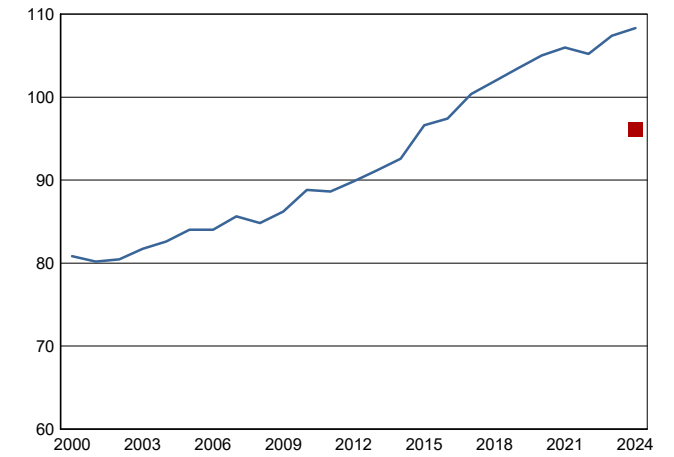
Front Quarter



Centre

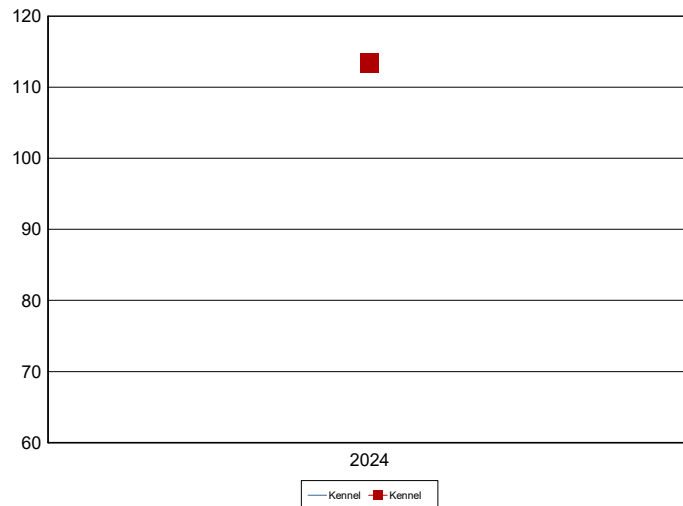


Hind Quarter

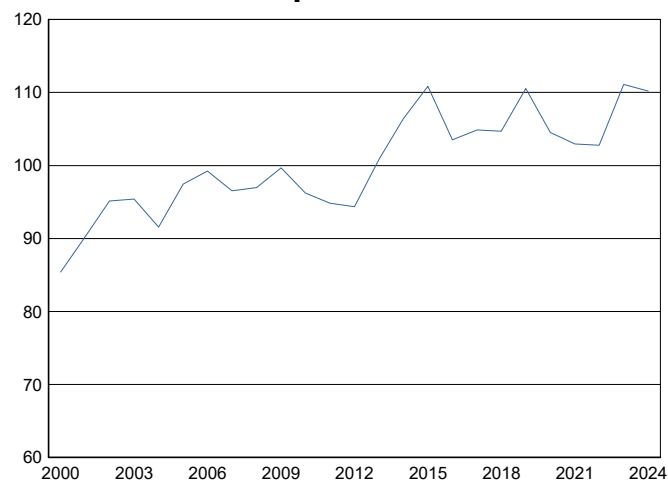


Final Score & Health Traits

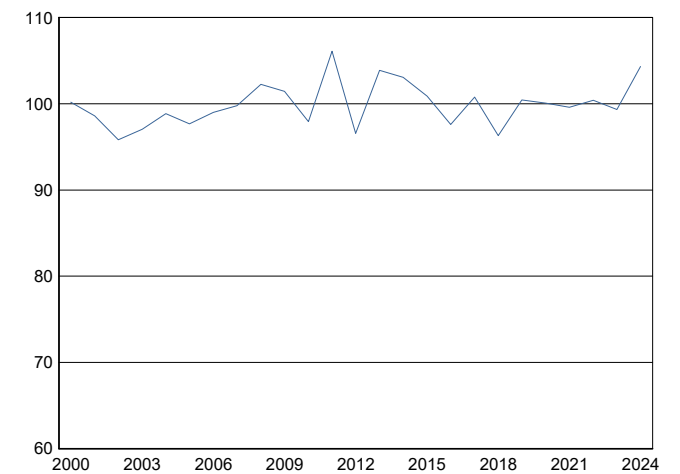
Final Score



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	
HORIZON KASPER		RAINAISANCE BULLETJIE	8.22	102	100	103	125	114	122	111	114	108	103	117	118	4					
	2022	MASTERMINDS ROYAL		5	5	5	45	5	63	43	62	46	48	51	57						
FORTITUDE SERGEANT		HORIZON KASPER	16.65	101	100	106	119	113	112	105	110	109	103	112	113						
	2023	MASTERMINDS NAOMI		5	5	5	10	5	35	5	34	12	18	22	29						
FORTITUDE SAMSON		FONT BOERBOELS MENELIK	6.66	95	101	111	97	104	107	115	118	108	109	101	111						
	2024	MASTERMINDS NAOMI		5	5	5	30	5	46	29	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	
FONT BOERBOELS BELLA 5	2022	BRIEL THE GHOST	7.10	90	102	114	92	100	99	119	112	103	116	102	109						
		FONT BOERBOELS QUEEN SHEBA		5	5	15	43	14	55	41	54	43	45	47	51						
MASTERMINDS NAOMI	2022	MASTERMINDS PRETTY BOY	15.81	100	100	108	112	112	102	99	107	111	103	107	109	9	1	2			
		MASTERMINDS CUPCAKE		5	5	5	41	5	62	40	60	43	46	49	55			1			
FORTITUDE NOVA	2023	HORIZON KASPER	16.65	101	100	106	119	113	112	105	110	109	103	112	113						
		MASTERMINDS NAOMI		5	5	5	10	5	35	5	34	12	18	22	29						
FONT BOERBOELS FREESKYE	2024	FONT BOERBOELS SILVER ARROW	8.43	102	101	84	115	109	104	119	129	110	110	103	118	3	1				
		MASTERMINDS ALVARA		5	5	13	44	5	63	43	62	45	48	51	57						
PIONEER MEISIE	2024	MIDDELPOS BBD BRUCE ALMIGHTY	7.14	118	100	104	101	118	103	131	121	118	112	107	118						
		MALAKAS HONEY		5	5	7	49	21	65	48	64	50	52	55	60						
FORTITUDE NISSI	2024	FONT BOERBOELS MENELIK	6.66	95	101	111	105	109	110	120	132	118	115	102	121						
		MASTERMINDS NAOMI		5	5	5	39	5	58	38	57	40	43	46	52						
FORTITUDE BLUEY	2024	FONT BOERBOELS MENELIK	6.66	95	101	111	97	104	107	115	118	108	109	101	111						
		MASTERMINDS NAOMI		5	5	5	30	5	46	29	45	31	34	36	41						
FORTITUDE ORI	2024	FONT BOERBOELS MENELIK	6.66	95	101	111	97	104	107	115	118	108	109	101	111						
		MASTERMINDS NAOMI		5	5	5	30	5	46	29	45	31	34	36	41						
FORTITUDE ARIEL	2024	FONT BOERBOELS MENELIK	6.66	95	101	111	85	99	103	118	119	105	108	91	106						
		MASTERMINDS NAOMI		5	5	5	39	5	58	38	57	40	43	46	52						
FORTITUDE X	2025	LAIKA BENTLY	6.90	91	109	97	113	113	117	118	110	107	111	107	113						
		FONT BOERBOELS FREESKYE		5	5	5	29	5	45	29	44	30	33	35	40						
FORTITUDE LALLA	2025	LAIKA BENTLY	6.90	91	109	97	113	113	117	118	110	107	111	107	113						
		FONT BOERBOELS FREESKYE		5	5	5	29	5	45	29	44	30	33	35	40						

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	
FORTITUDE VIDA		LAIKA BENTLY	6.90	91	109	97	113	113	117	118	110	107	111	107	113						
	2025	FONT BOERBOELS FREESKYE		5	5	5	29	5	45	29	44	30	33	35	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	
MIDDELPOS BBD BRUCE ALMIGHTY		AFRIKA LEO 5	5.84	127	106	106	86	104	108	119	125	112	109	111	117	48	8	27	2	2	16
	2017	MIGHTY AFRIKA ZELLIE		32	49	37	69	44	82	68	81	70	72	74	78			18			5
MASTERMINDS PRETTY BOY		SUID KAAP OSKAR	8.72	108	100	100	116	118	107	109	107	111	104	107	111	6	1	3			2
	2018	LOTTER TESSA II		5	5	8	54	25	70	53	69	55	57	60	65			2			2
RAINAISANCE BULLETJIE		MARANATA BBD RAMBO	5.94	100	100	111	112	107	113	113	119	108	112	111	117	6	2	5			4
	2019	RAINAISANCE PRIYA		5	5	17	56	26	72	55	71	57	59	62	67			5			2
LAIKA BENTLY		LOU-ANDRE BARON	3.38	81	117	109	110	116	130	117	92	103	113	110	109	50	8	7			3
	2019	LAIKA ZIA		5	5	23	56	30	73	57	72	57	60	62	67			4			2
BRIEL THE GHOST		WIESENHOF MENEER	4.99	91	107	114	103	96	129	107	107	104	108	96	107	93	16	21			14
	2020	ALESSANDRO BELLA		5	5	26	65	36	80	63	79	66	68	71	76			13			4
FONT BOERBOELS MENELIK		BRIEL THE GHOST	7.10	90	102	114	82	96	112	130	129	106	116	94	114	27	5	6			1
	2022	FONT BOERBOELS QUEEN SHEBA		5	5	15	56	27	73	55	72	57	60	62	68			5			1
HORIZON KASPER		RAINAISANCE BULLETJIE	8.22	102	100	103	125	114	122	111	114	108	103	117	118	4					
	2022	MASTERMINDS ROYAL		5	5	5	45	5	63	43	62	46	48	51	57						
FONT BOERBOELS SILVER ARROW		FONT BOERBOELS SILVER BULLET	5.31	100	105	95	119	113	95	124	129	109	114	112	121	34	6	12			4
	2022	FONT BOERBOELS LANA		5	5	24	59	31	76	57	75	60	62	65	70			9			2

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	
MASTERMINDS CUPCAKE	2019	LOTTER SUPERMAN	17.95	93	99	119	118	110	103	97	105	110	102	109	108	16	2	10 8		6 2	
		LOTTER LULU II		5	5	5	55	5	74	54	73	56	59	62	68						
FONT BOERBOELS QUEEN SHEBA	2020	BUSBY ADAM	4.94	89	97	113	81	105	68	130	117	101	125	108	111	20	3	12 6		9 1	
		FONT BOERBOELS ROSSI		5	5	40	58	30	75	57	74	59	61	64	69						
MASTERMINDS ROYAL	2020	LOTTER SUPERMAN	19.73	105	100	96	129	122	114	113	108	107	97	116	114	18	5	7 6		7 1	
		MASTERMINDS BELLA		5	5	5	48	5	68	46	67	49	52	56	62						
MALAKAS HONEY	2021	ELEVATION GUNNER	5.80	109	93	103	115	128	114	139	129	128	115	104	125	13	2	9 6		2 1	
		DELATRO CARA		5	5	17	52	22	69	51	68	53	55	58	64						
MASTERMINDS ALVARA	2022	MASTERMINDS TIGER	12.59	103	98	86	108	105	109	114	135	115	107	90	116	12	2	4 3		2 1	
		VAN DER KEMP XENA WARRIOR PRINCESS		5	5	5	47	5	67	46	66	48	51	54	61						
MASTERMINDS NAOMI	2022	MASTERMINDS PRETTY BOY	15.81	100	100	108	112	112	102	99	107	111	103	107	109	9	1	2 1			
		MASTERMINDS CUPCAKE		5	5	5	41	5	62	40	60	43	46	49	55						
FONT BOERBOELS FREESKYE	2024	FONT BOERBOELS SILVER ARROW	8.43	102	101	84	115	109	104	119	129	110	110	103	118	3	1				
		MASTERMINDS ALVARA		5	5	13	44	5	63	43	62	45	48	51	57						

