

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MRS J. THARRATT

169 MAIDENHEAD FARM
MELTON GARDENS
QUEENSTOWN
5319



Kennel Number: 718939



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.

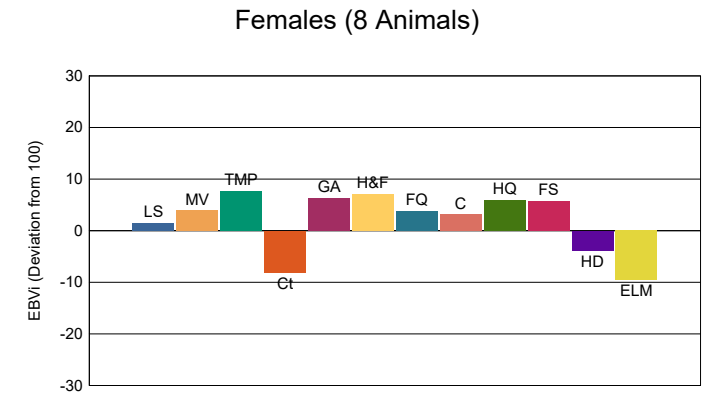
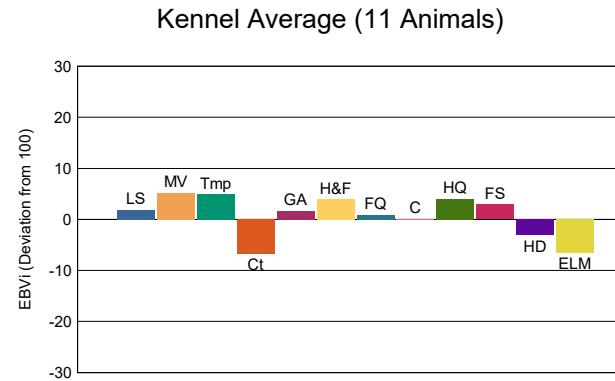
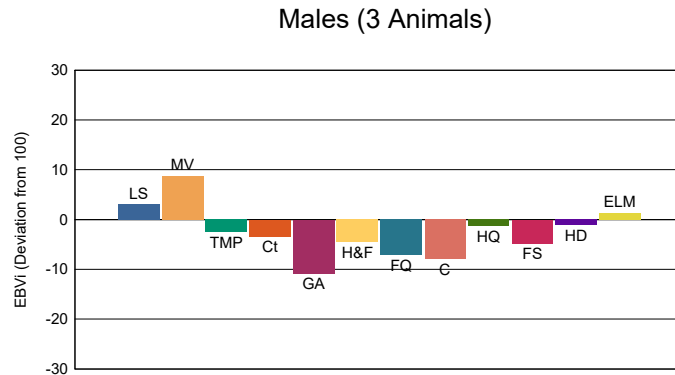
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	102	103	102
Movement (Mv)	105	109	104
Temperament (Tmp)	105	98	108
Coat (Ct)	93	97	92
General Appearance	102	89	106
Head & Face (H&F)	104	95	107
Front Quarter (FQ)	101	93	104
Centre (C)	100	92	103
Hind Quarter (HQ)	104	99	106
Final Score (FS)	103	95	106
Hip Health (HH)	97	99	96
Elbow Health (ELM)	93	101	91

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.

Rate of Inbreeding

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%

Inbreeding Levels

	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	11	49007	3	25141	8	23857	8	3371	10	6287
Average Inbreeding	9.67	8.49	6.40	8.46	10.89	8.53	6.71	8.01	11.49	8.00
Number inbred	11	48727	3	24990	8	23728	8	24990	10	23728
Number >6.25% Inbr.	9	30600	1	15537	8	15058	5	15537	8	15058

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	
SUID KAAP AARON 1		SUID KAAP OMEGA	8.58	106	95	104	117	110	84	87	93	96	89	103	96						
	2021	SUID KAAP AYAH		5	5	7	35	5	48	35	47	36	38	40	44						
SWARTKOP BOERBOEL OX NCHE ERASMUS		MAJALI MAX 2	4.49	98	102	109	107	86	112	82	91	84	85	93	90						
	2023	BOELA LULU		5	5	13	36	6	49	35	48	36	38	40	45						
LALAS LIAM		KRIJGER KAPTEIN	6.13	93	107	97	102	97	94	99	102	99	102	100	100						
	2024	LALAS CALYPSO		5	5	5	21	5	37	20	36	22	25	27	32						

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

Sire BYr 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	with litters
2019	MES RUBENSTEIN	18.06	91	41	126	109	126	100	115	108	105	108	119	114	24	4	9	3	6
	ZUKANDI ZOE		45	62	59	63	42	75	63	75	64	66	68	71			6	3	1
2020	KLEIN SANDFONTEIN THE MACK ATTACK	11.56	83	64	117	108	110	102	116	113	110	106	104	111					
	KLEIN SANDFONTEIN LADY SYBIL		5	9	22	39	5	52	39	51	40	42	44	48					
2021	RAINAISANCE MACHINE	7.47	102	93	97	109	95	113	87	96	93	90	100	97					
	RAINAISANCE SOFIA		5	5	9	36	5	50	36	49	37	39	41	46					
2021	BOSTU QUINN	9.01	109	81	101	111	119	87	118	118	116	110	117	117					
	MES MIA II		5	18	28	41	18	52	41	51	42	43	45	48					
2021	ELEVATION ROY	12.71	101	131	86	102	111	86	114	117	115	117	110	114					
	ELEVATION VICKY		5	23	18	31	5	41	30	40	31	33	34	38					
2022	SUID KAAP OMEGA	13.40	115	98	95	104	111	81	99	105	103	96	104	102					
	SUID KAAP SABRINA		5	5	5	35	5	49	34	48	36	38	40	44					
2025	KRIJGER KAPTEIN	7.46	84	108	95	95	95	84	101	100	94	99	96	96					
	KUBUSIE CANADA		5	5	5	21	5	38	20	37	22	25	27	33					
2025	KRIJGER KAPTEIN	7.46	84	108	95	95	95	84	101	100	94	99	96	96					
	KUBUSIE CANADA		5	5	5	21	5	38	20	37	22	25	27	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 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		
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						
SUID KAAP OMEGA		GROENBERG BBD RAMBO	10.11	113	88	71	127	128	81	104	100	105	108	124	112	45 8	8 7			8 1	
	2017	SUID KAAP LEZA		18	28	49	64	45	77	64	76	65	66	68	72						
MAJALI MAX 2		AFRIKA SIMSON MAJALI	5.80	98	103	106	104	83	106	83	92	82	79	91	87	67 11	6 6			4 3	
	2017	DELMA FEBE		5	5	31	53	24	70	52	69	54	56	59	65						
KLEIN SANDFONTEIN THE MACK ATTACK		KLEIN SANDFONTEIN HUEY	7.82	91	54	132	112	121	97	123	119	119	120	114	121	84 11	15 13	1	1	10 1	
	2018	KLEIN SANDFONTEIN PIPER		27	41	44	64	41	78	63	77	65	67	69	73						
KRIJGER KAPTEIN		HEINEMAN GOETHE	6.35	87	108	93	93	90	100	99	101	96	96	88	94	56 6	3 3				
	2019	AUGUSTYN DOLLA ERASMUS		5	5	5	35	5	51	35	50	36	38	41	46						
RAINAISANCE MACHINE		RAINAISANCE EMPIRE	7.47	110	93	83	95	96	114	102	111	95	93	97	102	3 1	1 1				
	2019	KLOPDISSELBOOM RAGGELTJIE DE BEER		5	5	22	50	20	69	50	68	51	54	57	63						
ELEVATION ROY		LINGA LONGA HARLEY 3	5.27	138	153	93	101	99	88	109	116	107	114	107	111	17 3	5 5			2 2	
	2019	ZUKANDI LIZZY		36	53	35	51	29	63	50	63	52	53	55	59						
BOSTU QUINN		ELEVATION COOPER	6.81	106	55	99	112	118	94	131	118	114	111	117	118	66 11	15 7	2	2	11 3	
	2019	AFRIKA QUARA		41	57	49	69	46	82	69	81	70	72	74	78						

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	
KLEIN SANDFONTEIN LADY SYBIL	2014	KLEIN SANDFONTEIN DODGE	13.33	75	74	102	104	99	107	110	107	101	91	95	101	39	3	8	1	1	5
		KLEIN SANDFONTEIN FLICKA		33	48	51	57	26	73	56	72	57	60	63	68			8			2
ZUKANDI ZOE	2016	GROENBERG BBD RAMBO	8.73	127	92	91	120	122	102	128	121	112	125	122	126	6	3	2	2	2	2
		MIDDELPOS BBD NANDI		45	60	59	64	47	75	64	74	64	66	68	71			2			1
RAINAISANCE SOFIA	2018	RAINAISANCE SIMBA	4.80	94	93	111	123	95	112	72	80	92	87	103	91	25	4	11			8
		MIDDELPOS BBD FIELA		5	5	42	64	35	78	63	78	64	67	69	74			8			1
ELEVATION VICKY	2018	ELEVATION OTTO	19.16	64	109	80	104	122	83	120	118	122	119	113	118	6	2	2			1
		ELEVATION ST CLAIRE		29	51	45	50	31	59	49	59	51	52	54	57			2			1
SUID KAAP SABRINA	2018	MIDDELPOS BBD OSCAR 1	28.97	118	109	120	80	95	81	94	110	102	85	85	92	17	4	2			2
		SUID KAAP MATILDA		5	5	10	47	5	67	46	66	48	51	55	61			2			1
SUID KAAP AYAH	2018	SUID KAAP AFRIKA	9.02	98	102	137	108	92	88	69	87	87	70	82	80	21	2	4			2
		SUID KAAP TOUCH OF CLASS		5	5	27	47	11	63	46	62	48	50	53	58			4			1
MES MIA II	2018	MES MAC GYVER	7.02	111	107	103	110	120	80	104	119	119	108	118	116	25	2	3	1	1	4
		MES LINDIE I		5	18	50	59	37	70	58	69	59	61	63	66			3			1
BOELA LULU	2020	MIDDELPOS BBD JOCK 1	3.74	97	101	112	109	89	117	81	90	86	92	95	92	34	6	2			1
		DONKERLAND MORGAN		5	5	30	55	32	70	54	69	56	58	60	65			2			1
KUBUSIE CANADA	2020	EAGLES NEST PLUTO	12.83	82	108	97	96	100	67	102	99	91	102	105	97	52	6	3			2
		FONT BOERBOELS TESSA		5	5	5	42	5	63	42	62	44	47	50	57			3			1
LALAS CALYPSO	2021	RAINAISANCE BULLETJIE	7.30	100	106	100	111	105	88	99	102	103	107	113	106	32	4	1			
		RAZOR MIDNIGHT		5	5	8	40	5	59	39	57	41	44	47	52			1			

