

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MR L. RHODES

P.O. BOX 71093

0

KHOMASDAL

NAMIBIA



Kennel Number: 678687



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.

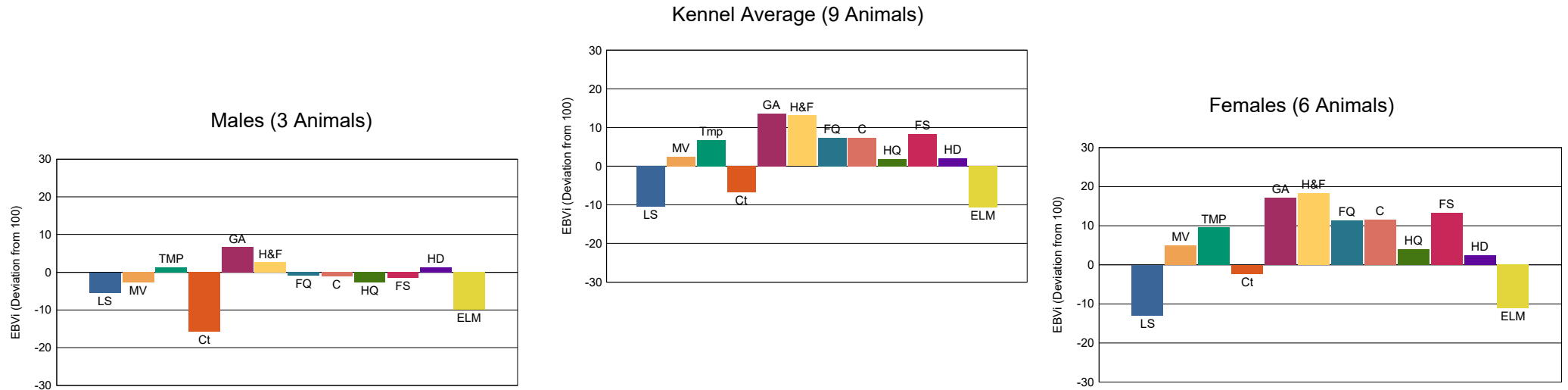
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	90	95	87
Movement (Mv)	102	97	105
Temperament (Tmp)	107	101	110
Coat (Ct)	93	84	98
General Appearance	114	107	117
Head & Face (H&F)	113	103	118
Front Quarter (FQ)	107	99	111
Centre (C)	107	99	112
Hind Quarter (HQ)	102	97	104
Final Score (FS)	108	99	113
Hip Health (HH)	102	101	102
Elbow Health (ELM)	89	90	89

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.

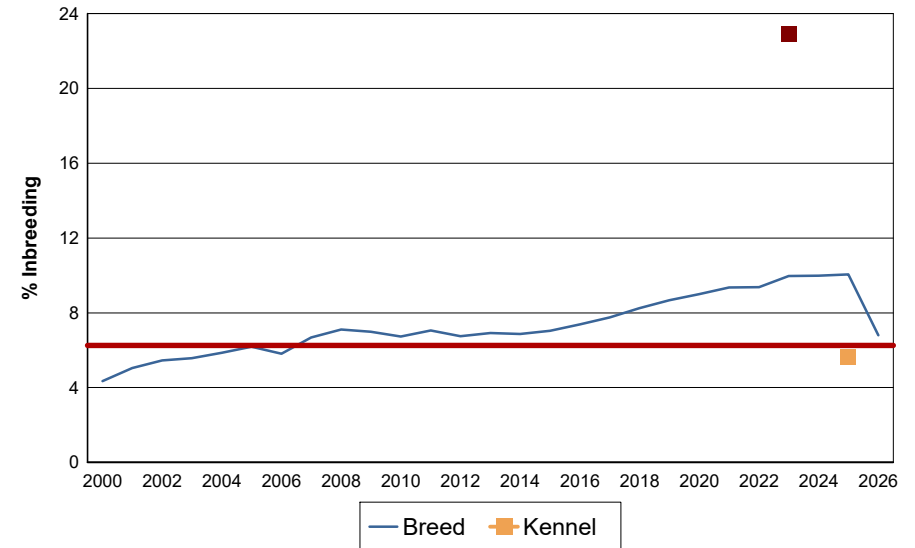
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients 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	9	49007	3	25141	6	23857	7	3371	7	6287
Average Inbreeding	10.44	8.49	14.69	8.46	8.32	8.53	8.59	8.01	10.03	8.00
Number inbred	9	48727	3	24990	6	23728	7	24990	7	23728
Number >6.25% Inbr.	6	30600	3	15537	3	15058	2	15537	7	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	
SCOUSER BIG MAC		MASTERS EXQUISITE BIG VIRG	20.12	108	95	87	96	93	95	113	122	102	100	85	103	5	1				
	2023	SWANICS SANA		5	5	5	39	5	61	38	60	41	44	48	54						
BJL HERMES		BJL HULK	15.37	102	83	105	106	94	106	79	81	89	86	103	89						
	2023	BJL JODI		5	5	5	32	5	56	30	55	33	37	41	48						
LEEU HART HULK		DUMAS MATRIX	8.59	94	93	92	90	117	52	129	105	107	111	104	103						
	2024	MALAKAS MERREM		5	5	5	46	15	63	45	61	47	49	52	57						

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	
BJL MAIA		BJL BRUTUS	15.37	102	83	78	113	115	96	112	113	117	116	114	116	7	2				
	2021	BJL ARRA		5	5	5	35	5	57	33	56	36	39	43	50						
WESTPOINT DUCHESS		SUMMIT CREED	6.34	94	92	92	95		95	123	112	102	113	105	110						
	2024	WESTPOINT STORM		5	5	5	42		61	41	60	43	46	49	55						
HERMES 900233004106386F		SCOUSER BIG MAC	5.63	105	89	82	105	104	95	112	118	109	108	99	110						
	2025	BJL MAIA		5	5	5	15	5	36	13	35	16	20	24	30						
HERMES SARABI		SCOUSER BIG MAC	5.63	105	89	82	105	104	95	112	118	109	108	99	110						
	2025	BJL MAIA		5	5	5	15	5	36	13	35	16	20	24	30						
HERMES 900233004106424F		SCOUSER BIG MAC	5.63	105	89	82	105	104	95	112	118	109	108	99	110						
	2025	BJL MAIA		5	5	5	15	5	36	13	35	16	20	24	30						
PIONEER SHADOW		PIONEER MAGIC	11.28	103	94	105	109	123	109	131	132	122	116	108	125						
	2025	ELEVATION ABBY I		5	5	5	28	5	42	27	41	29	31	33	37						

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	
DUMAS MATRIX		ELEVATION AROS	5.20	88	95	88	95	125	73	147	124	117	129	110	121	69	14	25			14
	2018	DUMAS NIKITA		5	5	30	70	44	83	69	82	71	73	75	79		11				3
MASTERS EXQUISITE BIG VIRG		FRANK IRENE AANG	11.60	107	93	85	98	97	91	118	122	101	101	88	105	38	5	13			5
	2019	DELATRO DUCHESS		5	5	5	56	23	73	55	72	57	59	62	68		10				2
BJL HULK		GIANTS OF AFRICA BUFFEL 1	5.72	95	83	93	93	90	98	89	100	95	87	86	91	19	3	4			2
	2019	BJL ZEA		5	5	10	41	5	59	38	58	42	45	48	53		3				1
BJL BRUTUS		GIANTS OF AFRICA BUFFEL 1	5.72	95	83	83	99	108	78	103	115	115	108	97	106	19	5	7	1	1	3
	2019	BJL ZEA		5	5	8	49	14	68	48	67	50	53	56	62		4				1
SUMMIT CREED		DUMAS MATRIX	5.91	94	99	92	93	111	60	129	112	95	109	105	105	27	4	10			4
	2020	KLOPDISSELBOOM GINGER		5	5	17	54	28	68	53	68	55	57	59	64		9				3
SCOUSER BIG MAC		MASTERS EXQUISITE BIG VIRG	20.12	108	95	87	96	93	95	113	122	102	100	85	103	5	1				
	2023	SWANICS SANA		5	5	5	39	5	61	38	60	41	44	48	54						
PIONEER MAGIC		GUNSMOKE PRINCE	5.87	102	93	99	94	120	105	139	142	122	118	100	126	26	3				
	2023	MALAKAS HONEY		5	5	5	45	12	63	44	62	46	48	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-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
BJL ARRA		DEO-HAN JUBA	7.00	109	83	102	122	112	106	108	103	108	111	122	114	9	2	4			2
	2019	BJL DAKOTA		5	5	20	48	16	65	44	64	49	51	54	59			3			1
SWANICS SANA		MASTERS EXQUISITE THANOS	7.36	109	96	89	96	91	84	98	103	92	92	94	94	20	4	8			2
	2020	PLAASWAG CELINE		5	5	15	55	23	72	54	71	56	58	61	67			7			1
BJL MAIA		BJL BRUTUS	15.37	102	83	78	113	115	96	112	113	117	116	114	116	7	2				
	2021	BJL ARRA		5	5	5	35	5	57	33	56	36	39	43	50						
BJL JODI		DEO-HAN JUBA	7.00	109	83	117	115	104	108	93	93	99	101	113	103	20	3	3			1
	2021	BJL DAKOTA		5	5	23	44	12	62	43	61	45	48	50	56			3			1
ELEVATION ABBY I		ELEVATION DAX	17.20	105	94	111	124	126	114	122	121	122	114	115	124	8	1				
	2021	ELEVATION MAGGIE		5	28	36	56	33	69	55	68	56	58	60	64						
MALAKAS MERREM		ELEVATION GUNNER	9.75	101	91	96	97	113	70	114	98	106	99	100	98	6	2	2			
	2021	KLOPDISSELBOOM MARLEY		5	5	21	39	10	54	39	53	40	42	44	49			2			
WESTPOINT STORM		ZUKANDI ZUKO	6.57	94	85		92	103	124	116	106	109	115	105	111	5	1	2			
	2021	RAINAISANCE CAMILA CABELLO		5	5		44	12	62	43	61	45	47	50	56			2			

