

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MR N. BROWNLEE
62 NORTHBOUND GRATIOT
MT CLEMENS
MICHIGAN
USA



Kennel Number: 716660



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.

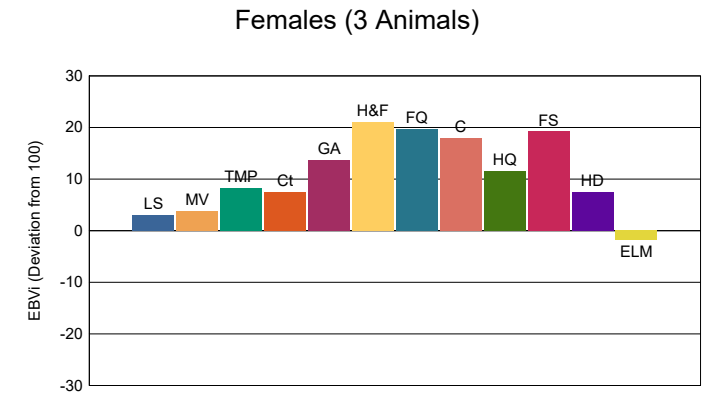
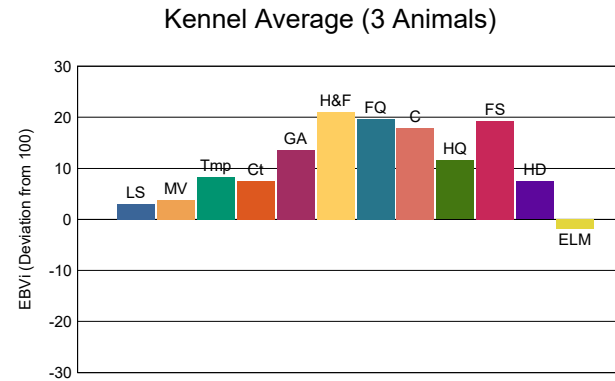
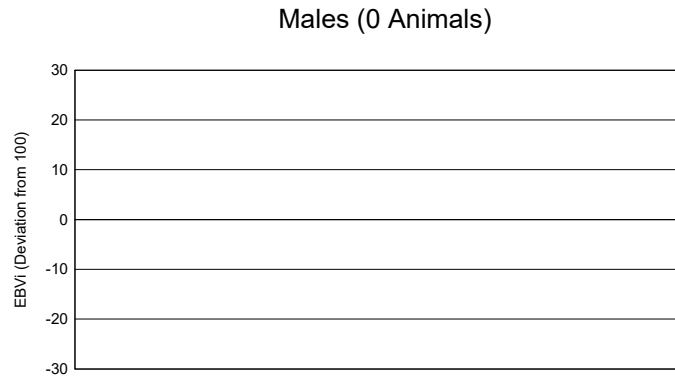
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	103		103
Movement (Mv)	104		104
Temperament (Tmp)	108		108
Coat (Ct)	108		108
General Appearance	114		114
Head & Face (H&F)	121		121
Front Quarter (FQ)	120		120
Centre (C)	118		118
Hind Quarter (HQ)	112		112
Final Score (FS)	119		119
Hip Health (HH)	107		107
Elbow Health (ELM)	98		98

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	3	49007	0	25141	3	23857	3	3371	3	6287
Average Inbreeding	8.91	8.49		8.46	8.91	8.53	7.42	8.01	10.52	8.00
Number inbred	3	48727		24990	3	23728	3	24990	3	23728
Number >6.25% Inbr.	3	30600		15537	3	15058	2	15537	3	15058

Estimated Breeding Value Indices (EBVi's)

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	
ROCK WALL MOCHA		OUTLAW DRAX	9.05	121	105	101	108	116	102	125	133	125	137	140	137						
	2022	MIDDELPOS BBD MADDIE		5	5	11	41	10	56	40	55	42	44	46	51						
BARBARIAN EGYPT		BARBARIAN FURY	7.89	100	90	111	97	107	109	115	127	124	105	90	113						
	2023	AFRIKA RUTENDO		5	5	20	41	12	56	41	55	42	44	47	51						
BARBARIAN STELLA 10		BARBARIAN MOSES I	9.80	102	99	98		102	112	102	103	111	112	105	108						
	2024	BARBARIAN STORM 2		5	5	5		5	28	5	27	7	12	16	22						

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		
BARBARIAN FURY		BLITZKRIEG DEXTER GEORGE	5.64	108	98	111	97	114	105	131	153	134	128	109	135	123 21	25 17	2 2		12 2	
	2018	KLEIN SANDFONTEIN SMOOCHI		24	40	38	60	34	76	60	75	61	63	66	71						
OUTLAW DRAX		BLACK IRON TUCKER	9.71	112	92	90	125	122	114	130	135	132	144	145	145	21 5	11 11	2 3		3 2	
	2019	BARBARIAN ATHENA		9	37	8	55	25	72	54	71	56	58	61	66						
BARBARIAN MOSES I		BARBARIAN FURY	6.92	103	101	95	107	107	115	114	104	111	119	110	113	61 7	4 3			1 1	
	2021	BARBARIAN JERSEY		5	5	19	35	5	51	34	50	36	38	41	46						

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	
MIDDELPOS BBD MADDIE		AFRIKA LEO 5	18.20	129	118	112	82	98	94	105	118	109	107	108	109	6	2	4	1	1	
	2017	MIDDELPOS BBD DIXIE		14	27	46	56	37	67	56	66	57	58	60	63			4			
AFRIKA RUTENDO		AFRIKA GHUNTER	6.69	91	83	110	104	112	108	111	114	122	106	97	110	1	1	1			
	2020	AFRIKA MATILDA		5	10	43	56	33	71	56	70	57	59	61	66			1			
BARBARIAN STORM 2		MOUNT ROYAL BBD CUDA	6.66	100	97	101	108	97	109	90	102	110	105	100	104	14	1	2			
	2021	BARBARIAN XENA		5	5	27	30	5	45	30	44	31	33	36	40			1			

