

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 BJL BOERBOELE

P.O. BOX 5112
AUSSPANNPLATZ
WINDHOEK, NAMIBIA



Kennel Number: 653903



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.

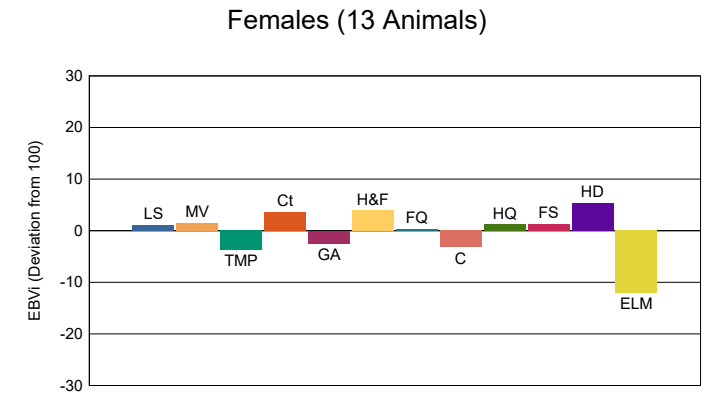
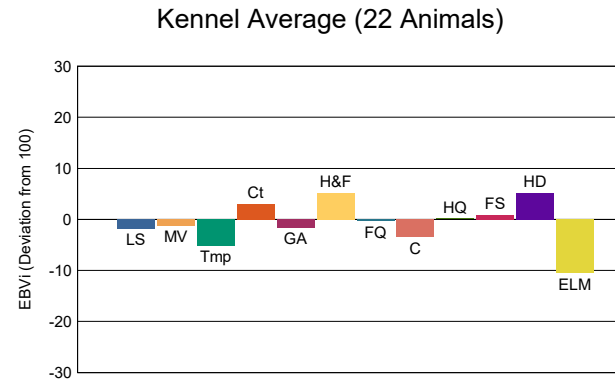
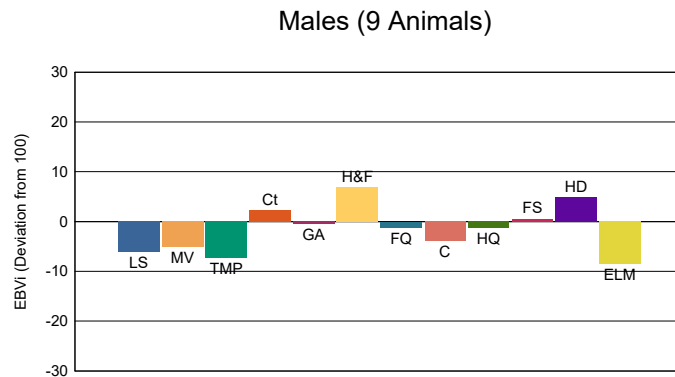
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	98	94	101
Movement (Mv)	99	95	102
Temperament (Tmp)	95	93	96
Coat (Ct)	103	102	104
General Appearance	98	100	98
Head & Face (H&F)	105	107	104
Front Quarter (FQ)	100	99	100
Centre (C)	96	96	97
Hind Quarter (HQ)	100	99	101
Final Score (FS)	101	101	101
Hip Health (HH)	105	105	105
Elbow Health (ELM)	89	92	88

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.

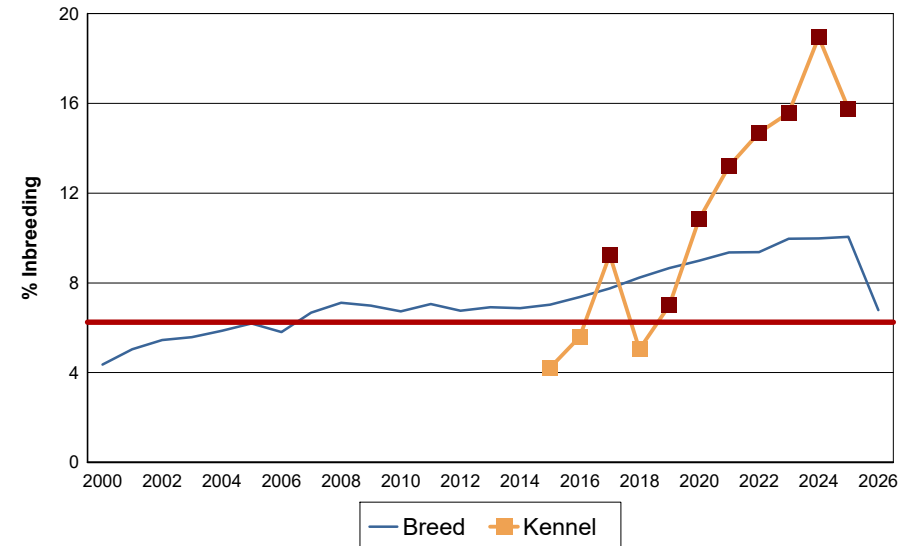
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

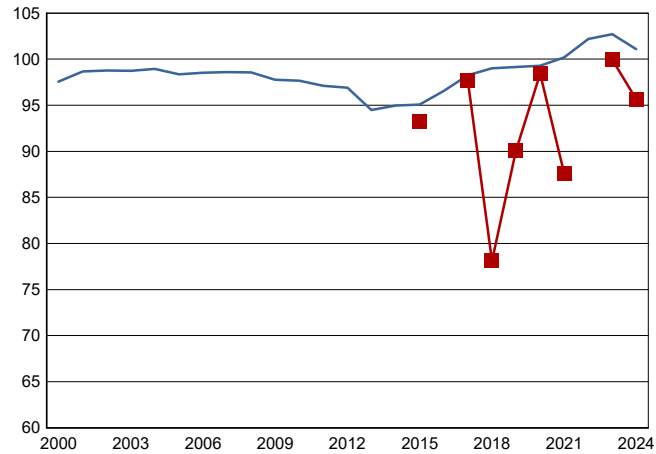


Inbreeding Levels

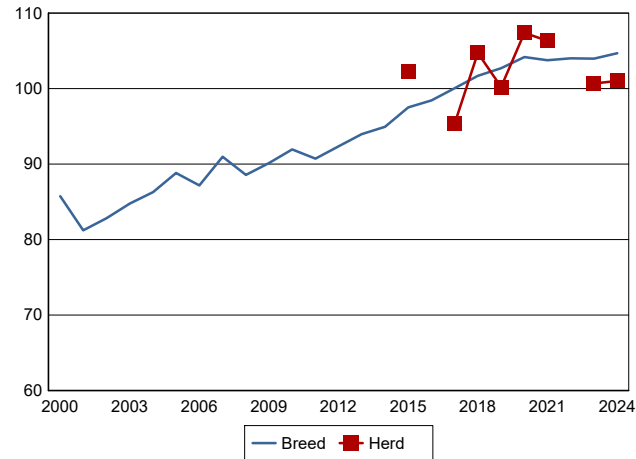
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	22	49007	9	25141	13	23857	7	3371	9	6287
Average Inbreeding	16.03	8.49	16.48	8.46	15.72	8.53	8.91	8.01	11.39	8.00
Number inbred	22	48727	9	24990	13	23728	7	24990	9	23728
Number >6.25% Inbr.	22	30600	9	15537	13	15058	4	15537	7	15058

Genetic Trends

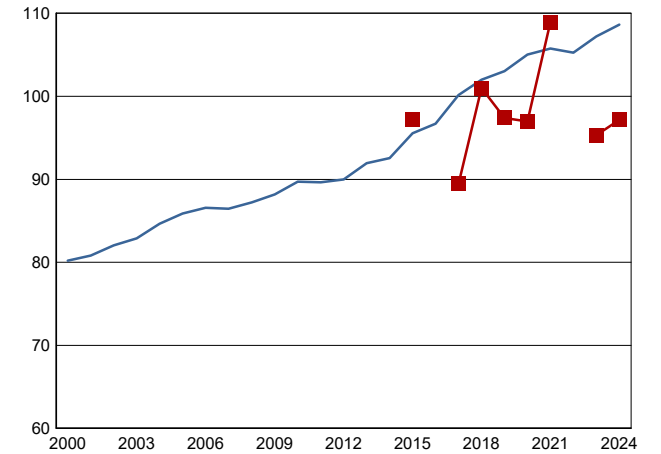
Litter Size



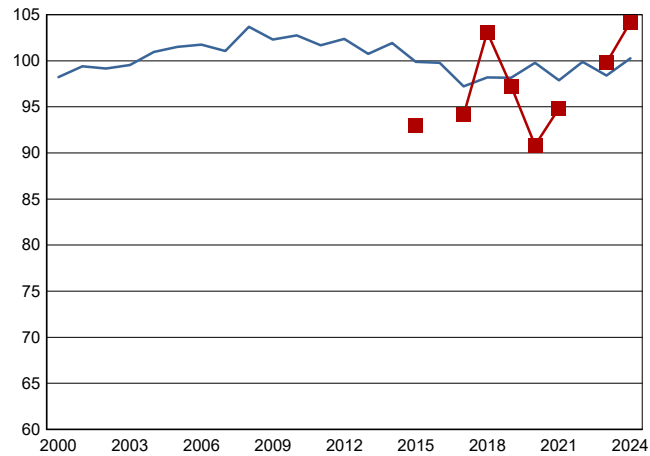
Movement



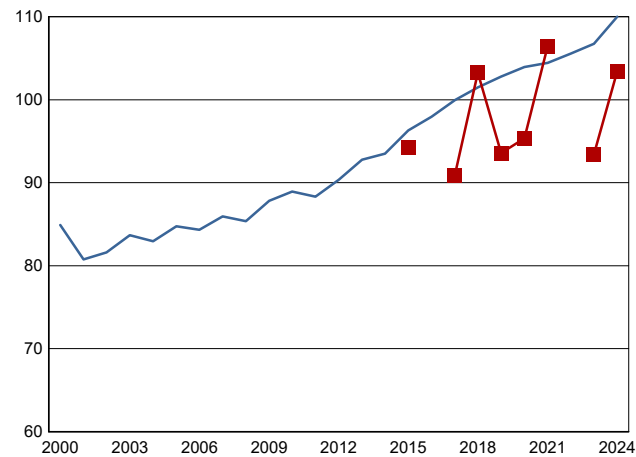
Temperament



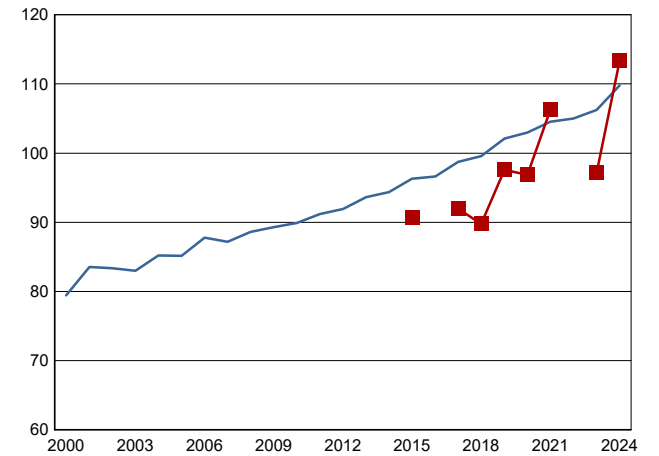
Coat



General Appearance

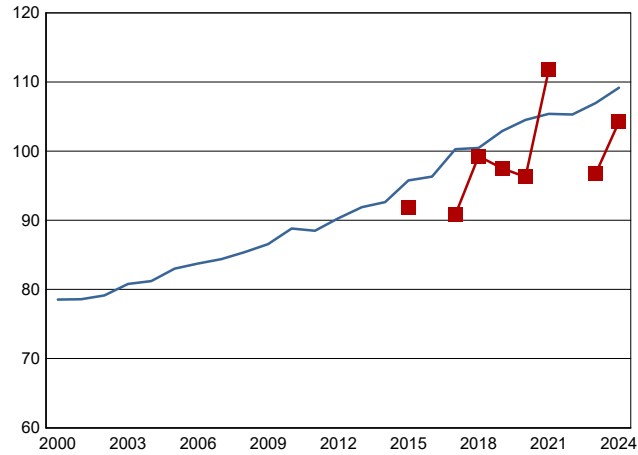


Head & Face

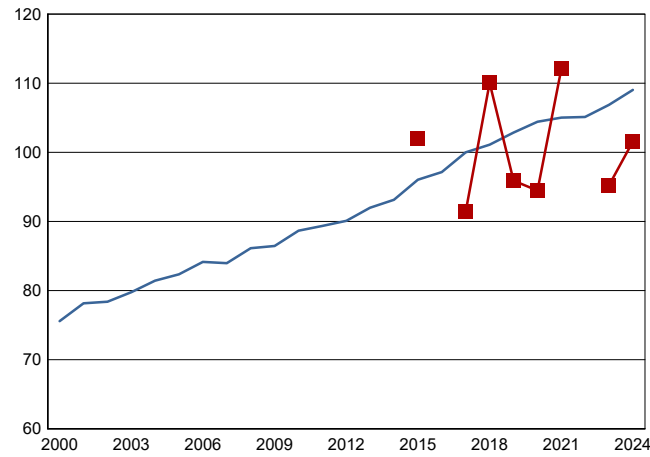


Genetic Trends

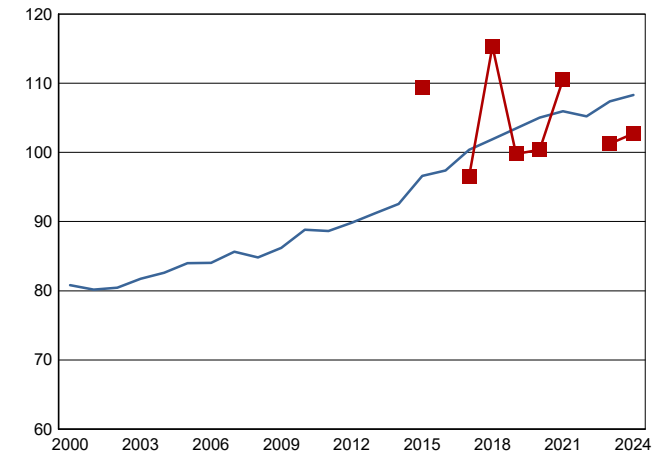
Front Quarter



Centre

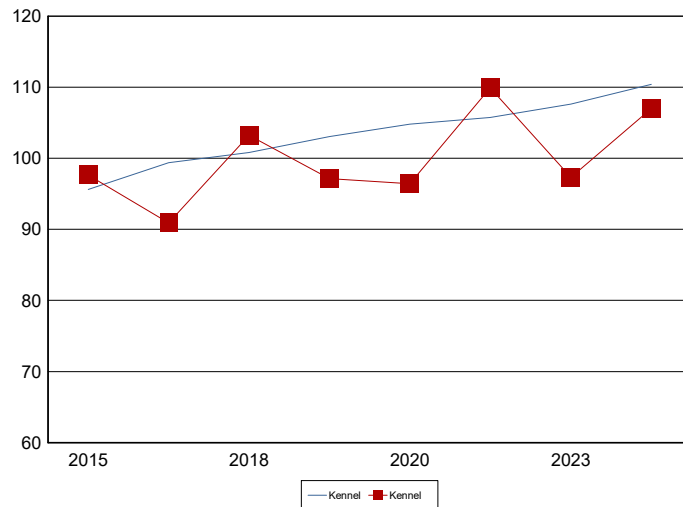


Hind Quarter

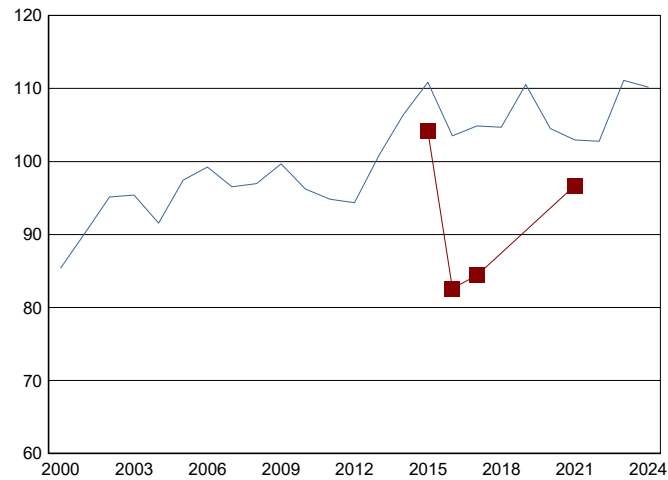


Final Score & Health Traits

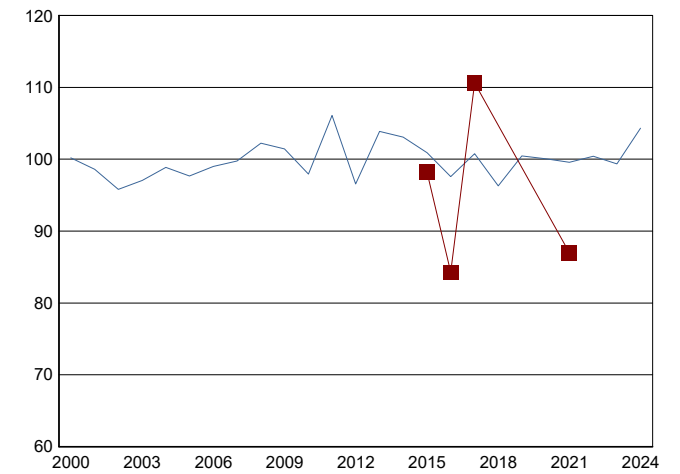
Final Score



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	%	Hips	Elbows	Litter Size	Move-	Tempe-	Coat	General	Head &	Front	Centre	Hind	Final	Progeny	Litters	Progeny	Hips	Elbows	litters
BYr	Dam		Acc.	Acc.	Acc.	ment	rament		Appear.	Face	Quarter		Quarter	Score			Kennels			
BJL ZARU	NAMIBWAGTER KRATOS	18.08	102	83	84	92	87	97	93	89	82	88	98	89						
	BJL DAKOTA		5	5	5	31	5	56	29	55	32	36	40	48						
BJL XICO	DEO-HAN JUBA	7.20	111	91	106	117	97	92	96	97	97	97	104	99	12	2	3			1
	BJL ZEA		5	5	5	36	5	52	35	51	37	39	42	47			3			1
OPTIMAL SUPERIOR RASSIE	HERBERG WHITE SCAR	6.88	105	106	98	76	86	118	99	103	95	90	92	95	20	3				
	NAMIBWAGTER WARONA		5	5	5	35	5	54	34	52	36	38	41	47						
BJL BEHNO	NAMIBWAGTER KRATOS	16.64	104	91	88	96	97	99	107	113	105	107	108	109	25	4	1			
	BJL BEAH		5	5	5	34	5	60	29	59	36	40	44	52			1			
BJL JONTY	OPTIMAL SUPERIOR RASSIE	10.54	108	99	102	91	90	109	97	103	96	90	95	97						
	BJL EZRAH		5	5	5	11	5	34	7	33	13	17	21	28						
BJL R106463	BJL BEHNO	22.24	103	89	92	96	94	102			104	98								
	BJL ZETTA		5	5	5	5	5	28		26	5	5	5	14						
BJL R106460	BJL BEHNO	22.24	103	89	92	96	94	102			104	98								
	BJL ZETTA		5	5	5	5	5	28		26	5	5	5	14						
BJL R106464	BJL BEHNO	22.24	103	89	92	96	94	102			104	98								
	BJL ZETTA		5	5	5	5	5	28		26	5	5	5	14						
BJL R106462	BJL BEHNO	22.24	103	89	92	96	94	102			104	98								
	BJL ZETTA		5	5	5	5	5	28		26	5	5	5	14						

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 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
BJL EZRAH		DEO-HAN JUBA	7.20	111	91	105	106	94	100	94	102	98	91	98	98	20	3	1			1
	2020	BJL ZEA		5	5	5	42	5	62	40	61	43	46	49	55			1			1
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
BJL YANI		BJL HULK	15.37	102	83	115	101	92	105	86	88	91	89	94	90	13	1				
	2023	BJL JODI		5	5	5	30	5	55	29	53	32	35	39	47						
BJL ZETTA		BJL HULK	21.20	103	87	97	95	91	104	96	115	102	90	88	99	7	1				
	2024	BJL EZRAH		5	5	5	22	5	53	5	51	24	29	35	44						
BJL ASTRA		BJL BEHNO	23.59	106	87	95	109	105	103	107	108	107	109	115	112						
	2024	BJL ARRA		5	5	5	5	5	35	5	33	5	5	11	25						
BJL LIEBE		BJL DON	15.37	102	83	103	103	98	97	91	94	96	95	100	96						
	2024	BJL JODI		5	5	5	5	5	33	5	32	9	15	19	27						
BJL ZANZI		OPTIMAL SUPERIOR RASSIE	10.54	108	99	102	91	90	109	97	103	96	90	95	97						
	2025	BJL EZRAH		5	5	5	11	5	34	7	33	13	17	21	28						
BJL TUNZI		BJL BEHNO	19.83	103	87	101	99	94	102	96	101	98	98	101	99						
	2025	BJL YANI		5	5	5	5	5	30	5	28	5	5	5	19						
BJL NIKKA		OPTIMAL SUPERIOR RASSIE	10.54	108	99	102	91	90	109	97	103	96	90	95	97						
	2025	BJL EZRAH		5	5	5	11	5	34	7	33	13	17	21	28						
BJL T106459		BJL BEHNO	22.24	103	89	92	96	94	102		114	104	98	98	104						
	2025	BJL ZETTA		5	5	5	5	5	28		26	5	5	5	14						

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 T106461		BJL BEHNO	22.24	103	89	92	96	94	102		114	104	98	98	104						
	2025	BJL ZETTA		5	5	5	5	5	28		26	5	5	5	14						
BJL T106465		BJL BEHNO	22.24	103	89	92	96	94	102		114	104	98	98	104						
	2025	BJL ZETTA		5	5	5	5	5	28		26	5	5	5	14						

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
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	with litters
NAMIBWAGTER KRATOS	2016	MAKULU LAANIE WARRIOR	6.88	106	99	81	92	86	96	95	96	89	92	99	93	13	4	7	4
		ASTOUNDING TANDRA		5	5	13	46	11	63	45	62	47	49	52	57		4		1
DEO-HAN JUBA	2018	DEO-HAN BOTHA	14.33	119	99	122	130	104	116	100	100	106	104	114	109	31	6	8	7
		DEO-HAN ZIGGIE		5	5	26	57	30	70	56	69	58	60	62	66		5		2
BJL HULK	2019	GIANTS OF AFRICA BUFFEL 1	5.72	95	83	93	93	90	98	89	100	95	87	86	91	19	3	4	2
		BJL ZEA		5	5	10	41	5	59	38	58	42	45	48	53		3		1
BJL DON	2019	GIANTS OF AFRICA BUFFEL 1	5.72	95	83	90	91	91	87	89	95	93	89	87	88	7	1		
		BJL ZEA		5	5	5	37	5	54	36	53	37	40	43	48				
HERBERG WHITE SCAR	2021	MIGHTY TAU	6.23	107	118	111	78	91	104	99	102	98	93	89	94	7	2	5	2
		HERBERG ILA		5	5	15	43	13	58	42	57	44	46	48	53		4		1
OPTIMAL SUPERIOR RASSIE	2023	HERBERG WHITE SCAR	6.88	105	106	98	76	86	118	99	103	95	90	92	95	20	3		
		NAMIBWAGTER WARONA		5	5	5	35	5	54	34	52	36	38	41	47				
BJL BEHNO	2023	NAMIBWAGTER KRATOS	16.64	104	91	88	96	97	99	107	113	105	107	108	109	25	4	1	
		BJL BEAH		5	5	5	34	5	60	29	59	36	40	44	52		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		Sire		Hips	Elbows	Litter Size	Move-	Tempe-r	Coat	General	Head &	Front	Centre	Hind	Final	Progeny	Litters	Progeny	Hips	Elbows	
	BYr	Dam	%	Acc.	Acc.	Acc.	ment	ament		Appear.	Face	Quarter		Quarter	Score			Kennels			
BJL DAKOTA		MAKULU LAANIE WARRIOR	5.05		66	87	104	102	91	94	89	92	99	111	97	42	7	12		5	
	2015	VOEL GERUS ROXI I			22	31	45	17	61	44	60	46	48	51	56						
BJL ZEA		NAMIBWAGTER KRATOS	18.08	102	83	90	98	96	72	94	101	95	96	99	95	16	2	5		6	
	2017	BJL DAKOTA		5	5	5	37	5	61	36	60	39	42	46	54						
NAMIBWAGTER WARONA		MAKULU LAANIE WARRIOR	6.25	104	95	85	92	89	120	99	91	90	94	98	94	10	3	6		2	
	2019	NAMIBWAGTER FUDGE		5	5	5	38	5	53	37	52	39	41	43	48						
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						
BJL EZRAH		DEO-HAN JUBA	7.20	111	91	105	106	94	100	94	102	98	91	98	98	20	3	1		1	
	2020	BJL ZEA		5	5	5	42	5	62	40	61	43	46	49	55						
BJL BEAH		BJL BRUTUS	15.37	102	83	94	103	110	90	114	117	116	114	107	113	2	1	2		2	
	2021	BJL ARRA		5	5	5	40	5	62	37	61	41	44	48	55						
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						
BJL YANI		BJL HULK	15.37	102	83	115	101	92	105	86	88	91	89	94	90	13	1				
	2023	BJL JODI		5	5	5	30	5	55	29	53	32	35	39	47						
BJL ZETTA		BJL HULK	21.20	103	87	97	95	91	104	96	115	102	90	88	99	7	1				
	2024	BJL EZRAH		5	5	5	22	5	53	5	51	24	29	35	44						

