

Boerboel Genetic Evaluation

SA Stud Book

February 2026

MR E.E.J. CLARY

40 JONES ROAD
LISBON
NEW YORK
USA



Kennel Number: 716278



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.

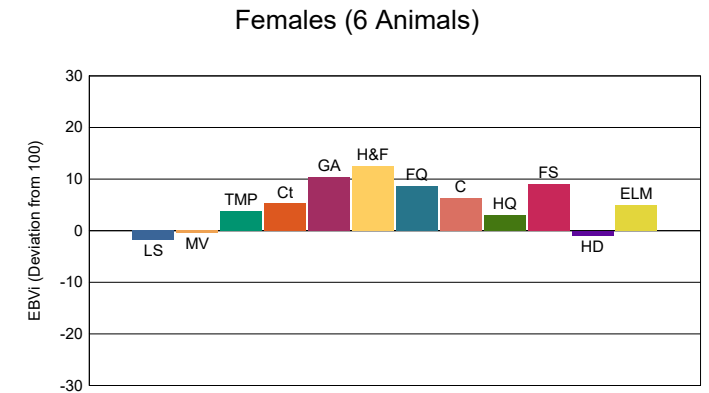
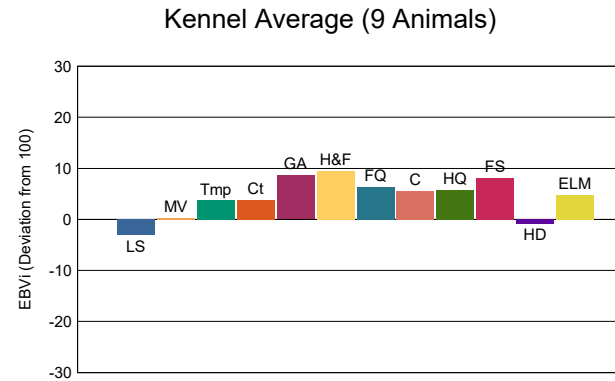
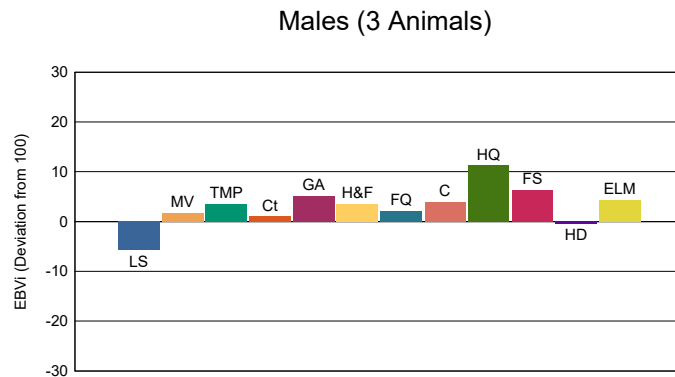
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	97	94	98
Movement (Mv)	100	102	100
Temperament (Tmp)	104	104	104
Coat (Ct)	104	101	105
General Appearance	109	105	110
Head & Face (H&F)	110	104	112
Front Quarter (FQ)	106	102	109
Centre (C)	106	104	106
Hind Quarter (HQ)	106	111	103
Final Score (FS)	108	106	109
Hip Health (HH)	99	99	99
Elbow Health (ELM)	105	104	105

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.

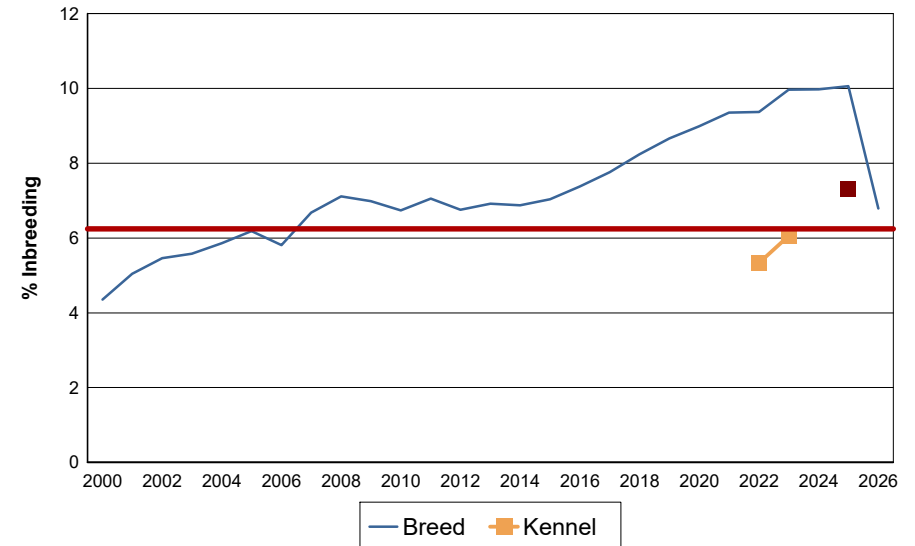
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

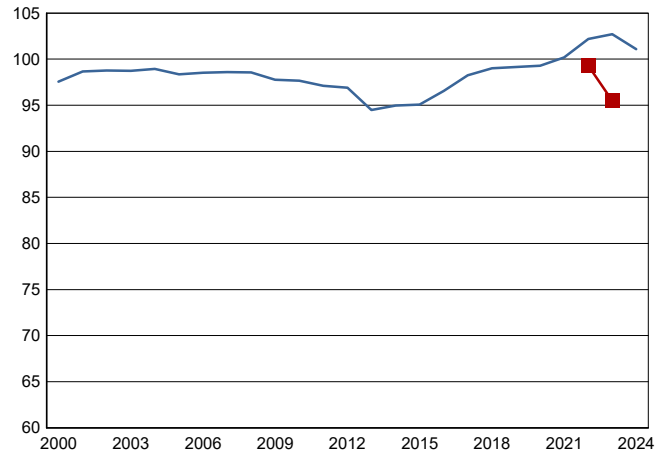


Inbreeding Levels

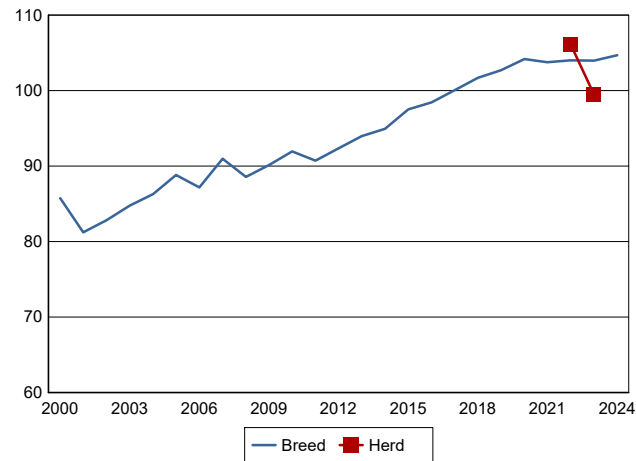
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	9	49007	3	25141	6	23857	5	3371	6	6287
Average Inbreeding	7.93	8.49	8.40	8.46	7.69	8.53	7.86	8.01	6.34	8.00
Number inbred	9	48727	3	24990	6	23728	5	24990	5	23728
Number >6.25% Inbr.	6	30600	2	15537	4	15058	3	15537	3	15058

Genetic Trends

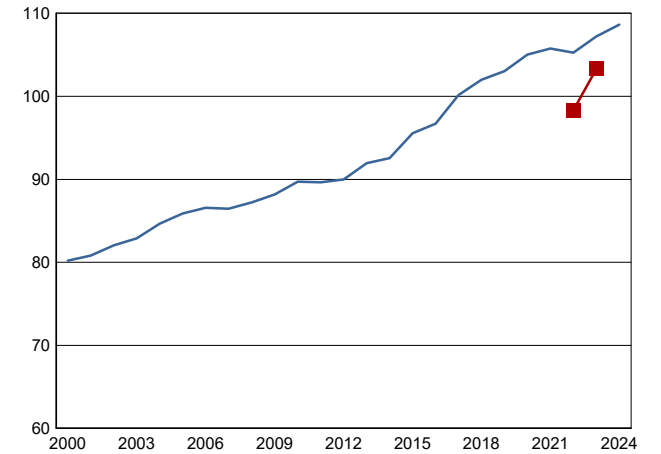
Litter Size



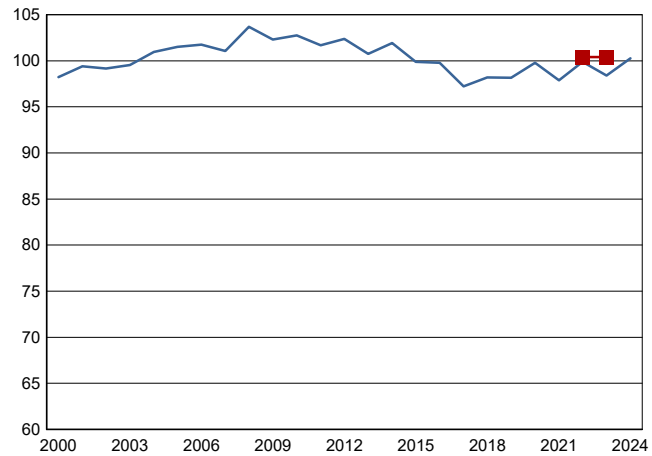
Movement



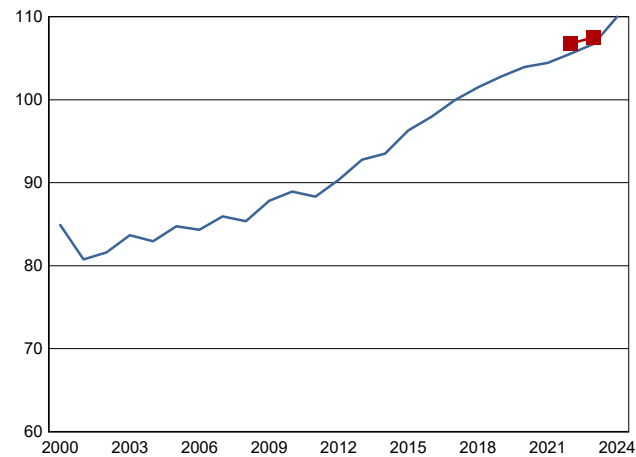
Temperament



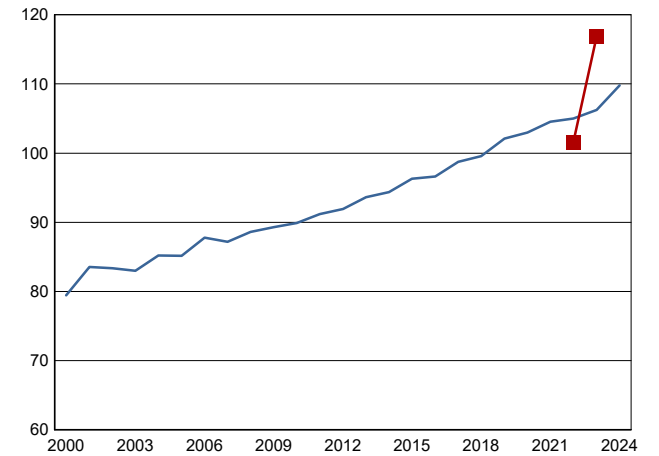
Coat



General Appearance

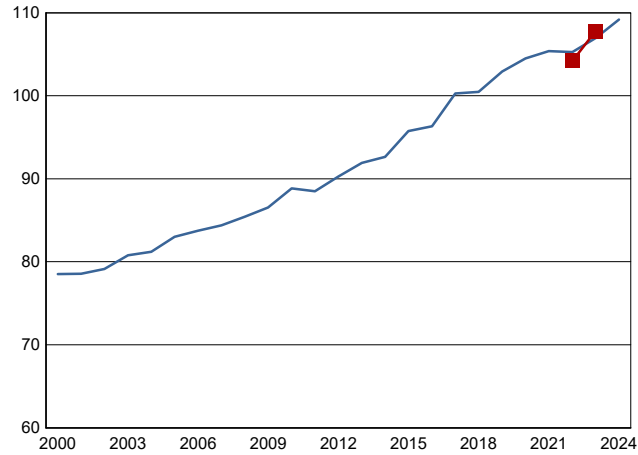


Head & Face

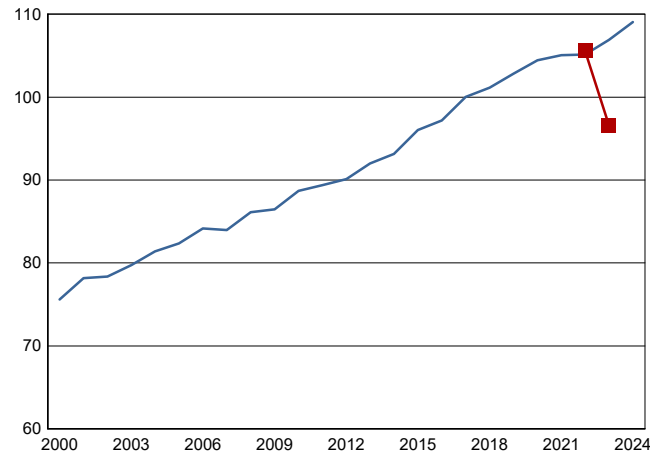


Genetic Trends

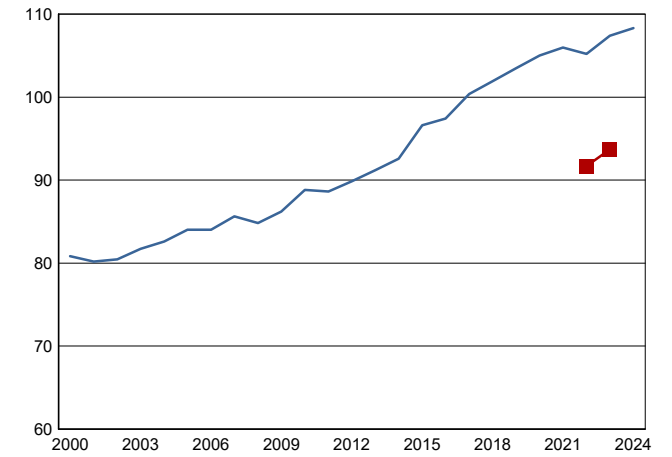
Front Quarter



Centre

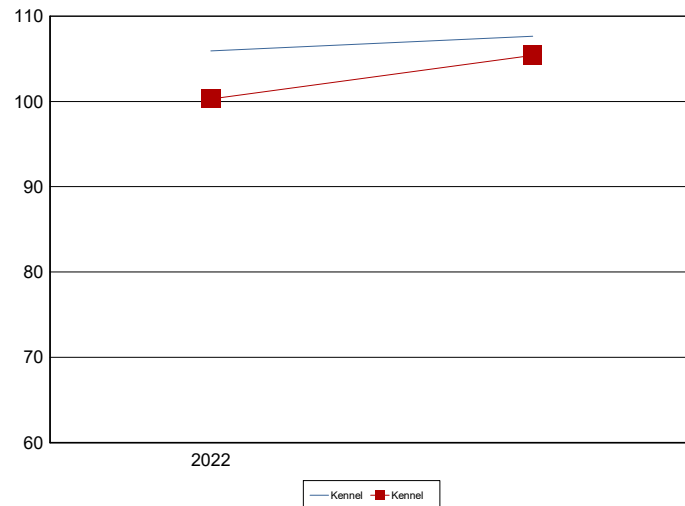


Hind Quarter

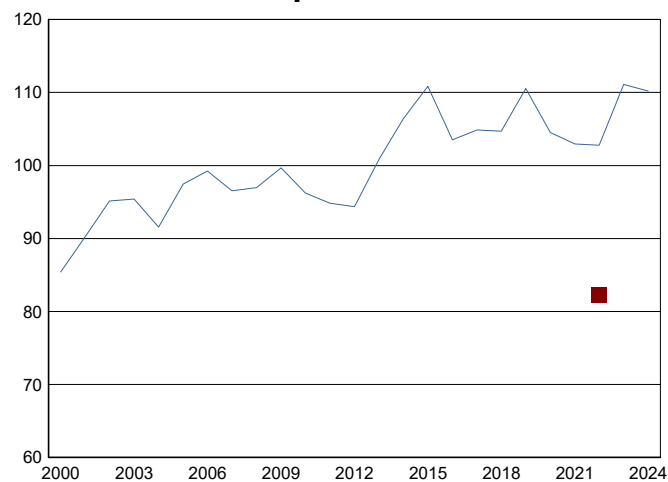


Final Score & Health Traits

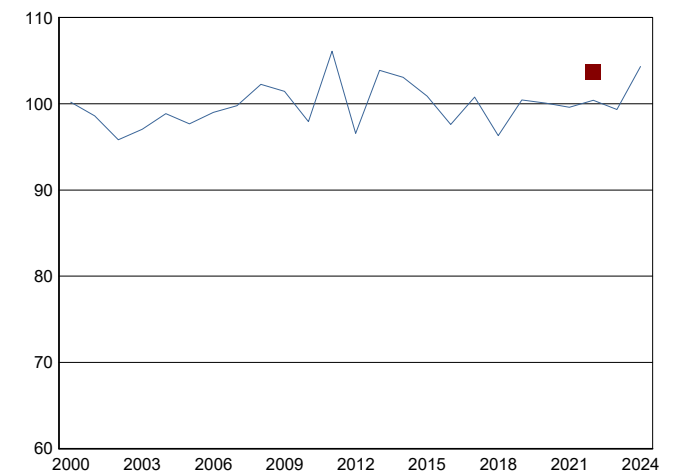
Final Score



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	
REVELATION DOC HOLLIDAY		PLATINUM THUNDER	3.54	67	97	96	104	98	94	105	115	110	101	86	103	12	1	2	1	1	
	2019	REVELATION MOET CHANDON		35	53	5	35	8	52	33	50	36	38	40	46			1			
BRANDVLEI JAGTER		LANDRE MERCURIO AKA MERC	8.03	97	112	95	89		108	102	100	89	90	108	99						
	2021	AFRIKA ANU		5	5	5	39		56	37	55	40	42	45	50						
BLACK IRON MAJOR REMINGTON		BLACK IRON RIFF	13.64	135	104	92	112	114	101	108	96	107	120	140	117						
	2023	BLACK IRON TALLY		10	42	5	39	5	59	27	58	41	44	47	53						

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	
BRANDVLEI ASHANTI	2021	LANDRE MERCURIO AKA MERC	8.03	98	112	95	95	104	108	107	106	98	95	103	103	25	2	1			
		AFRIKA ANU		5	5	5	35	5	51	29	50	36	38	41	46						
DISTINGUISHED 2 SHOTS TEQUILA	2022	REVELATION DOC HOLLIDAY	5.33	82	104	99	106	98	100	107	102	104	106	92	100						
		WHISPERING CREEK ABBEY		5	15	5	26	5	45	25	44	27	29	32	38						
DISTINGUISHED SADIE	2023	REVELATION DOC HOLLIDAY	6.06	82	104	96	100	103	100	108	117	108	97	94	105						
		BRANDVLEI ASHANTI		5	13	5	28	5	46	13	45	29	31	34	40						
BLACK IRON SOLICE	2024	BLACK IRON RIFF	12.10	125	93	106	108	120	107	123	119	130	131	133	130						
		PETERBUILT CONGA		5	5	5	28	5	44	27	43	29	32	34	39						
DISTINGUISHED REY	2025	BLITZKRIEG SPENCER	7.32	104	108	97	94	99	108	109	116	106	105	99	108						
		BRANDVLEI ASHANTI		5	5	5	12	5	30	5	29	13	16	19	25						
DISTINGUISHED PHENIX	2025	BLITZKRIEG SPENCER	7.32	104	108	97	94	99	108	109	116	106	105	99	108						
		BRANDVLEI ASHANTI		5	5	5	12	5	30	5	29	13	16	19	25						

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	
PLATINUM THUNDER	2018	RAINAISSANCE JAAP	7.41	86	101	99	104	92	86	104	116	109	112	96	106	1	1	1	1	1
		GATEKEEPER PRADA		5	5	5	37	5	52	36	51	38	40	43	47					
REVELATION DOC HOLLIDAY	2019	PLATINUM THUNDER	3.54	67	97	96	104	98	94	105	115	110	101	86	103	12	1	2	1	1
		REVELATION MOET CHANDON		35	53	5	35	8	52	33	50	36	38	40	46					
LANDRE MERCURIO AKA MERC	2020	MES RED ROMAN	6.08	101	107	96	84	88	112	94	97	88	85	101	94	3	2	2	1	1
		JANIEKA LIEFIEKIND AKA DOLLA		5	5	20	44	21	57	43	56	45	47	49	53					
BLACK IRON RIFF	2021	OUTLAW CREED	13.95	128	95	88	110	128	103	116	121	123	136	160	139	71	10	12	3	3
		BLACK IRON BOSTON		11	39	5	53	8	72	51	71	54	57	60	66					
BLITZKRIEG SPENCER	2022	BLACK IRON ROGAN	8.33	110	104	98	94	94	108	111	126	114	115	95	113	14	1			
		BLITZKRIEG SARAH		5	5	5	26	5	46	26	44	27	30	33	39					

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-	Coat	General	Head &	Front	Hind	Final	Progeny	Litters	Progeny	Kennels	Hips	Elbows	litters
BYr	Dam		Acc.	Acc.	Acc.	ment	r-ament		Appear.	Face	Quarter	Quarter	Score			Kennels				
REVELATION MOET CHANDON	HS ROYAL LOUIS	0.00	87	91	94	97	101	100	104	101	100	92	90	96	1	1		1	1	1
	BEDLAM'S GOLDEN COMPASS (BAILEY)		24	32	22	29	21	35	28	35	29	30	31	33		1				1
WHISPERING CREEK ABBEY	WHISPERING CREEK PISTON	5.82	98	111	102	104	95	112	101	91	93	101	98	97	1	1		1	1	
	BALKAN LIDIA		5	5	5	17	5	32	16	32	18	20	23	27		1				
AFRIKA ANU	ELEVATION TANKWA	8.43	94	117	94	103	111	105	116	109	100	99	101	106	3	2		2		1
	AFRIKA MILLA V		5	24	31	47	24	58	45	58	47	49	51	55		1				1
BLACK IRON TALLY	BLACK IRON NEWTON	5.55	124	111	96	117	112	98	106	83	103	109	124	105	16	3	7	2	2	3
	TIGERBERG STENTORA		32	51	42	53	22	70	50	69	54	56	59	65		5				1
BRANDVLEI ASHANTI	LANDRE MERCURIO AKA MERC	8.03	98	112	95	95	104	108	107	106	98	95	103	103	25	2	1			
	AFRIKA ANU		5	5	5	35	5	51	29	50	36	38	41	46		1				
PETERBUILT CONGA	KLEIN SANDFONTEIN JUDGE	10.20	121	92	125	107	113	111	129	116	138	126	106	121	16	1				
	AFRIKA ZIMBIE		5	19	32	51	26	66	50	65	51	54	56	61						

