

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 N. EWING

942 CATALDA
ST. LOUIS, MO
63112 USA
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Kennel Number: 612457



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.

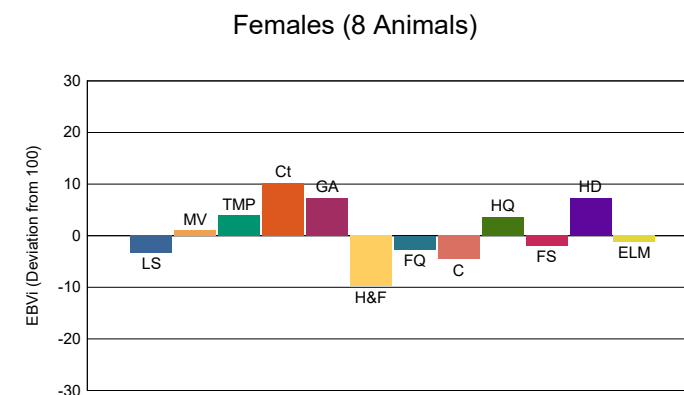
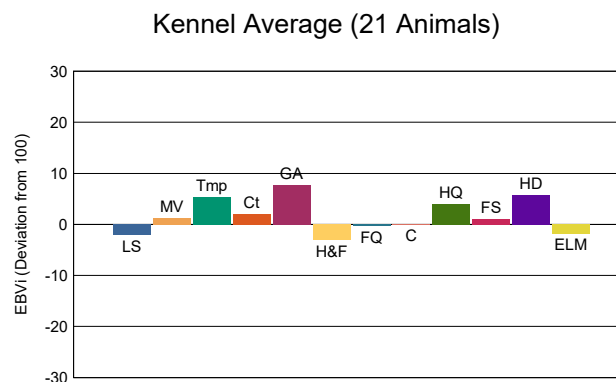
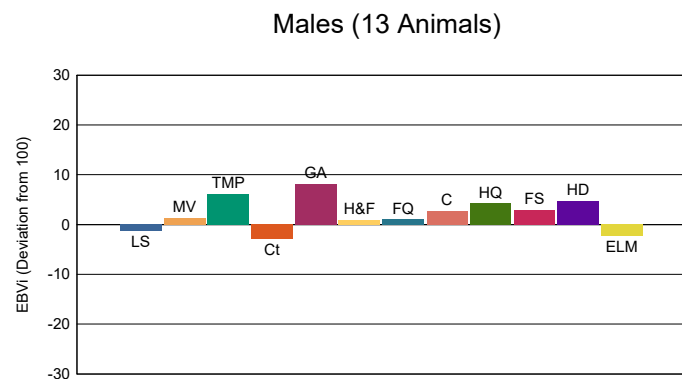
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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	99	97
Movement (Mv)	101	101	101
Temperament (Tmp)	105	106	104
Coat (Ct)	102	97	110
General Appearance	108	108	107
Head & Face (H&F)	97	101	90
Front Quarter (FQ)	100	101	97
Centre (C)	100	103	95
Hind Quarter (HQ)	104	104	104
Final Score (FS)	101	103	98
Hip Health (HH)	106	105	107
Elbow Health (ELM)	98	98	99

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.

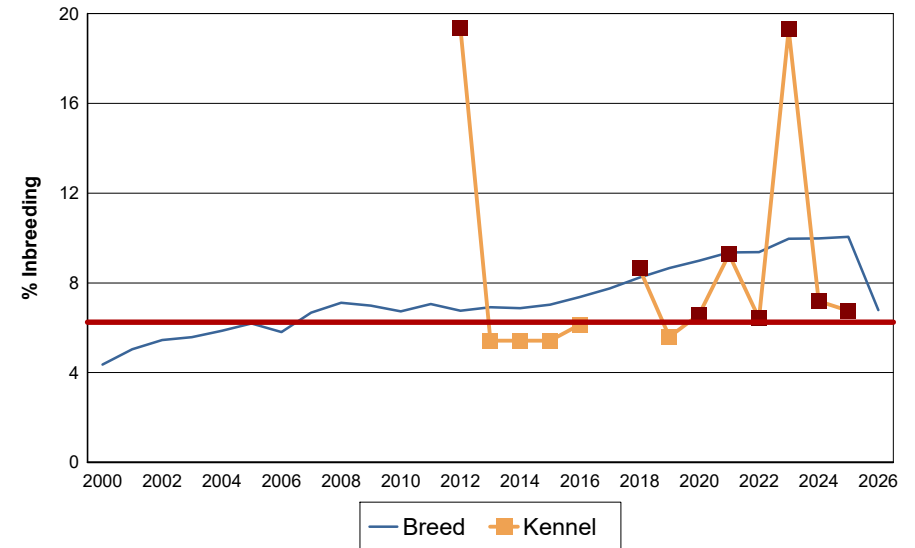
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

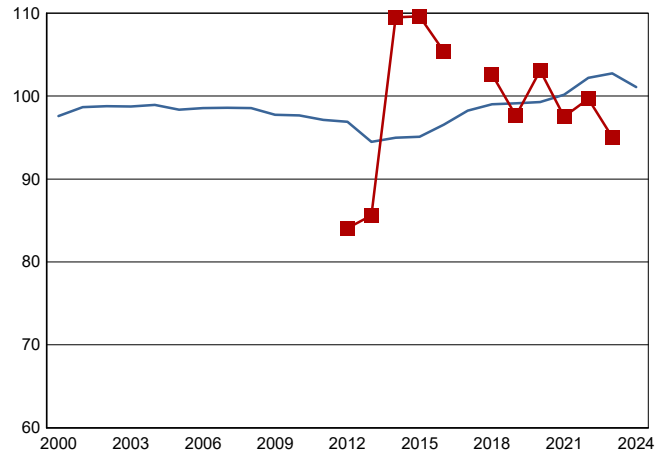


Inbreeding Levels

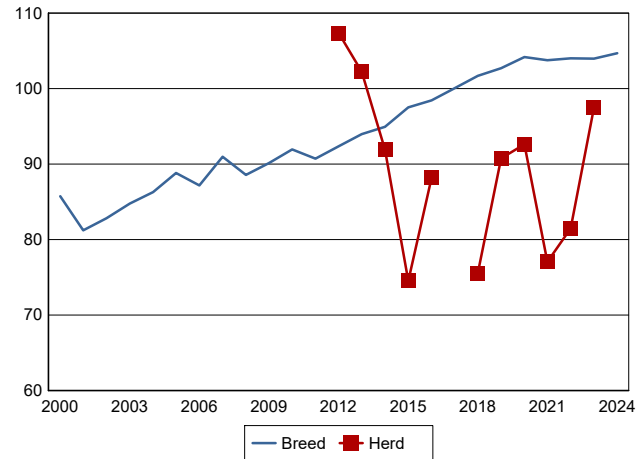
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	21	49007	13	25141	8	23857	12	3371	16	6287
Average Inbreeding	8.12	8.49	8.98	8.46	6.74	8.53	7.11	8.01	7.50	8.00
Number inbred	21	48727	13	24990	8	23728	12	24990	16	23728
Number >6.25% Inbr.	15	30600	10	15537	5	15058	6	15537	8	15058

Genetic Trends

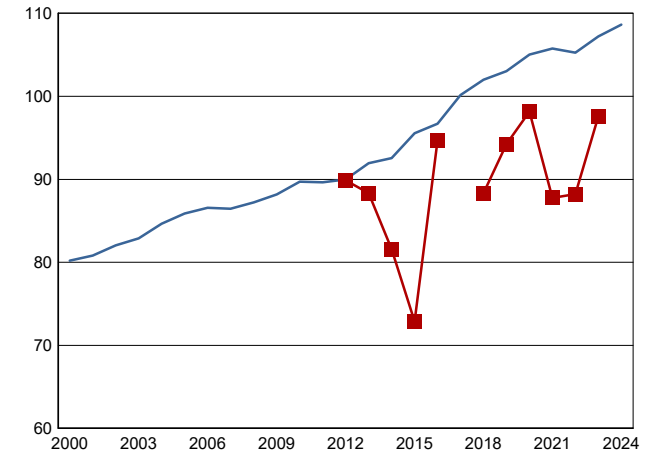
Litter Size



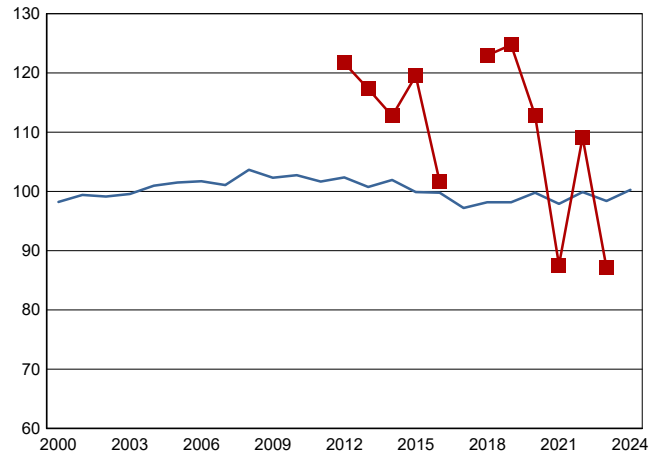
Movement



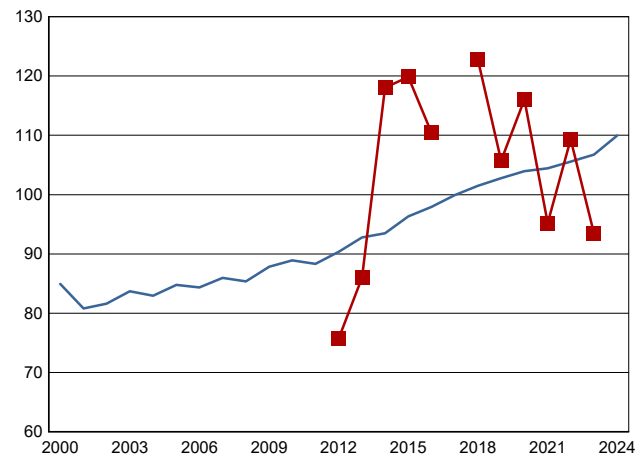
Temperament



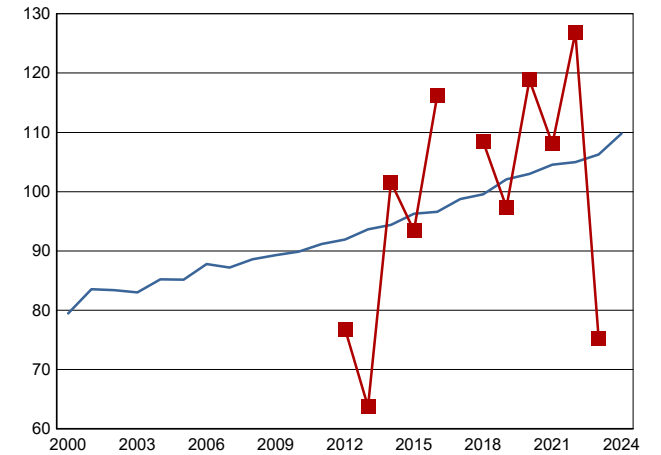
Coat



General Appearance

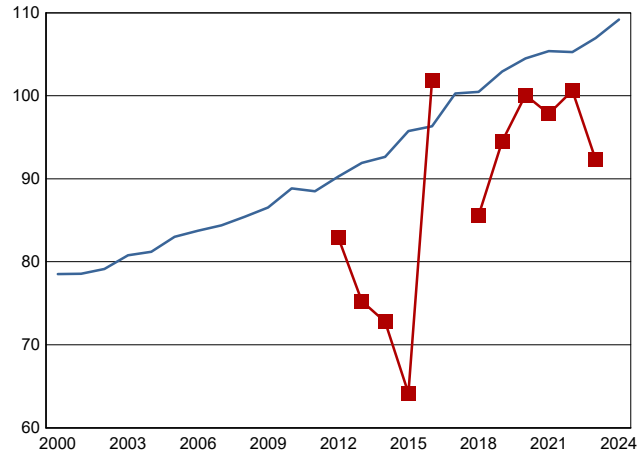


Head & Face

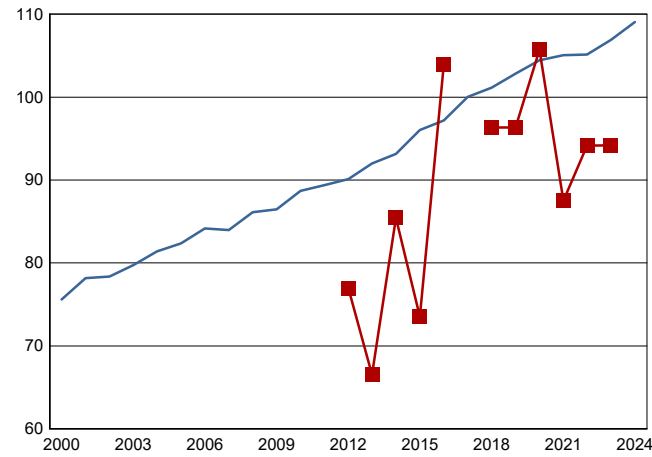


Genetic Trends

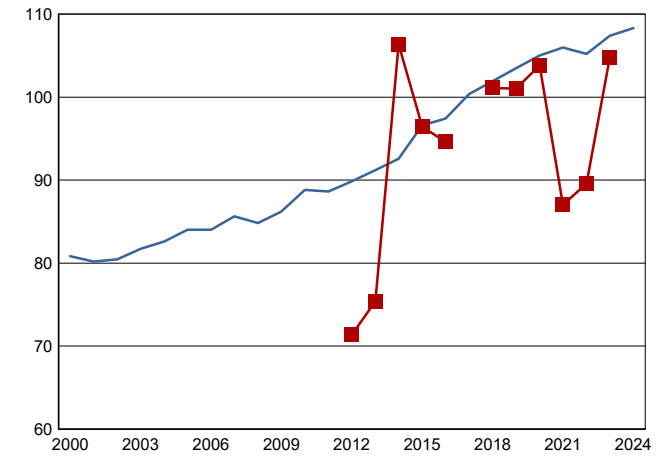
Front Quarter



Centre

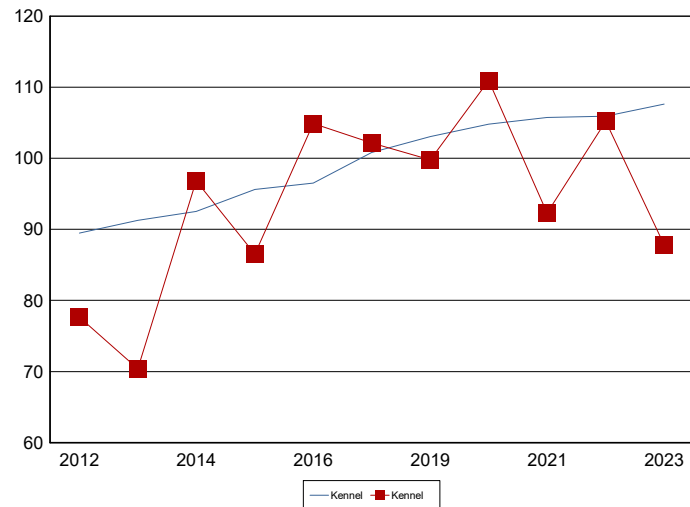


Hind Quarter

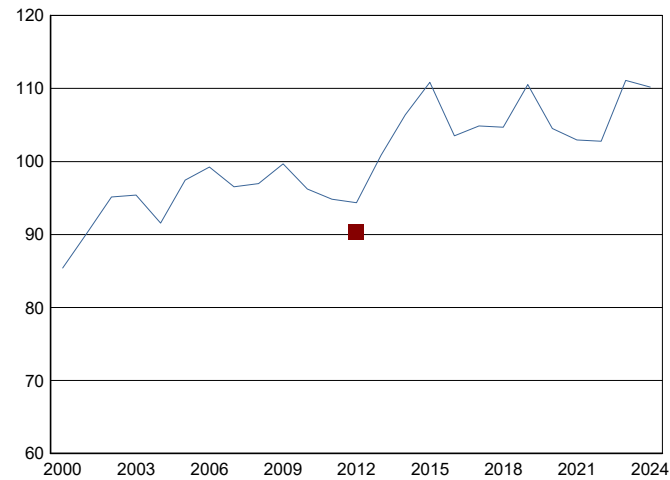


Final Score & Health Traits

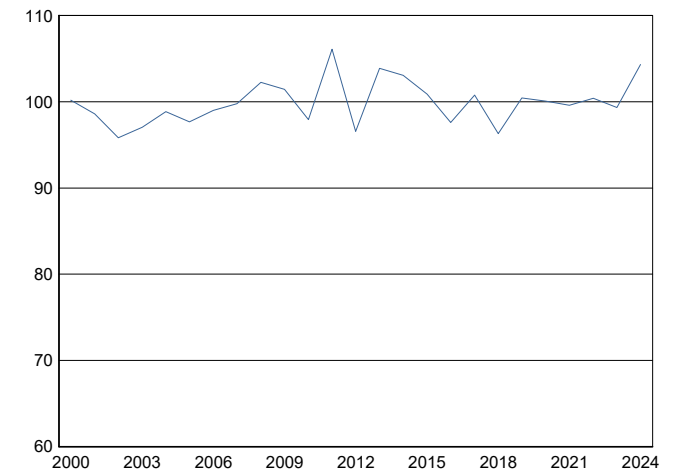
Final Score



Hip Health



Elbow Health



Estimated Breeding Value Indices (EBVi's)

Males

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbred	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	
MIDDELPOS BBD CEASER I 'BENZ	2019	BREKER MENEER	4.10	107	104	94	75	91	34	67	118	110	98	92	94	21	6	6			1
		MIDDELPOS BBD SUZI		5	5	30	52	28	67	52	66	53	55	57	62			5			1
PROFFER DOC HOLIDAY	2020	BIG SKY BBD MAGNUS	6.55	98	87	101	139	137	64	128	91	106	131	117	112	6	3	2			2
		ELEVATION PAMELA		5	5	20	51	24	68	51	67	52	54	57	62			1			1
CONCRETE SIMBA	2020	STL KASPER	8.65	99	97	102	91	83	129	121	117	87	95	104	107						
		CONCRETE ZURI		5	5	5	41	5	61	40	59	42	45	48	54						
CONCRETE TONKA	2020	TOP TIER GHOST	5.57	100	104	102	92	106	95	115	115	102	102	100	106	4	1				
		CONCRETE LAYLA		5	5	5	39	5	60	39	58	40	43	46	53						
CONCRETE LEGEND	2021	MIDDELPOS BBD PABLO 1	9.08	115	105	93	84	88	110	107	102	98	81	85	91						
		CONCRETE STORM		5	5	7	42	8	61	42	60	43	46	49	55						
TOP TIER RAS AL GHOUL	2021	DELATRO ELIJA	5.50	102	94	103	89	98	118	107	107	101	92	94	101						
		TREBLA KAYLA		5	5	5	45	13	64	44	62	46	49	52	57						
BACK 40 ZEKE	2022	PROFFER DOC HOLIDAY	9.04	103	85	98	130	130	108	124	104	116	126	121	121	3	1				
		MPRINT OAKLEY		5	5	5	42	5	61	41	60	43	46	49	55						
CONCRETE ZEUS II	2023	CONCRETE BIGGIE	28.43	112	101	96	83	87	106	95	81	87	100	104	90						
		CONCRETE SASHA		5	5	5	17	5	53	14	51	20	26	32	43						
4 STL KENNELS DUKE	2024	TOKARA SIMMIE	9.99	110	111	99	88	94	113	97	99	95	97	102	99						
		CONCRETE ARIZONA		5	5	5	36	5	57	14	55	37	40	43	50						

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- rument	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny Litters	Progeny Kennels		Hips	Elbows	
CONCRETE BRIXX		TOKARA AKEEM	6.98	107	100	97	124	121	80	98	72	100	104	116	96						
	2024	BACK 40 WILLOW		5	5	5	24	5	40	23	39	25	27	30	35						
CONCRETE LIL CASH		CONCRETE TONKA	7.83	104	93	98	104	114	109	110	96	103	98	107	103						
	2024	MPRINT OAKLEY		5	5	5	22	5	40	21	39	23	26	29	34						
CONCRETE MISTER		CONCRETE TONKA	7.83	104	93	98	104	114	109	110	96	103	98	107	103						
	2024	MPRINT OAKLEY		5	5	5	22	5	40	21	39	23	26	29	34						
CONCRETE PABLO		PROFFER DOC HOLIDAY	7.18	103	97	101	114	118	90	126	115	107	114	105	113						
	2025	CONCRETE CARMEL		5	5	5	26	5	42	26	41	27	29	32	37						

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	
CONCRETE LAYLA		STL KASPER	8.65	99	97	105	91	91	139	117	91	82	97	110	101	6		4			3
	2018	CONCRETE MOGGIE		5	5	5	44	6	63	44	62	45	48	51	57			4			1
CONCRETE STORM		STL KASPER	4.84	112	101	89	80	87	113	99	88	90	84	89	87	15	4	6			2
	2019	STL ROSIE		5	5	21	43	16	58	42	57	44	46	48	53			5			1
CONCRETE SUMMER		STL KASPER	4.84	112	101	93	88	91	118	102	89	96	86	92	91	8	4	2			
	2019	STL ROSIE		5	5	17	46	18	63	45	62	47	49	52	57			2			
MPRINT OAKLEY		SAASVELD GOLDBERG	5.72	108	82	94	115	121	123	105	78	103	95	113	101	9	3	2			2
	2020	ALEXANDER BBD CHYNA		5	5	5	44	6	63	44	62	45	48	51	57			1			1
CONCRETE CARMEL		MIDDELPOS BBD PABLO 1	7.20	109	106	100	89	98	116	124	138	108	96	94	115	2	1				
	2022	CONCRETE MEDUSA		5	5	5	43	8	62	42	61	44	47	50	55						
BACK 40 WILLOW		PROFFER DOC HOLIDAY	9.04	103	85	98	138	139	99	120	75	109	115	119	107	7	1				
	2022	MPRINT OAKLEY		5	5	5	43	5	62	42	61	44	46	49	56						
CONCRETE LOVELY		TOKARA AKEEM	7.14	111	109	94	110	108	66	96	67	96	93	107	85						
	2023	CONCRETE SUMMER		5	5	5	40	5	60	39	59	41	44	47	53						
4 STL KENNELS KIMMKIMM		TOKARA SIMMIE	6.47	105	110	102	96	96	108	94	97	94	98	105	99						
	2025	CONCRETE MEDUSA		5	5	5	20	5	35	17	34	21	23	26	30						

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
STL KASPER		BOSVLEI PHANTOM	4.56	110	94	95	96	108	123	116	120	111	123	116	121	19	5	10			7
	2014	MIDDELPOS BBD SUMMER BREEZE		5	5	23	56	31	72	56	71	57	59	62	67			4			1
BREKER MENEER		VOORSLAG BBD PIKSTEEL	3.84	96	107	77	72	80	81	75	111	102	84	94	92	126	22	56	1	1	36
	2015	BREKER NELLA		5	5	56	79	57	88	79	88	80	81	83	86			41			9
BIG SKY BBD MAGNUS		ROOIBOS GRETCHEN'S TRUE TORO (TONY)	8.81	101	97	102	129	107	124	111	77	75	87	87	88	57	8	19			7
	2016	ROCKING H MAYAS PERFECT STORM ZIVA			5	5	5	51	20	69	50	68	52	55	58	63			14		2
TOP TIER GHOST		STL TUFF	5.65	102	110	99	92	110	76	106	136	119	115	98	116	19	2	8			3
	2017	NOBLE LADY ANNIE		5	5	10	48	18	66	47	65	49	51	54	60			8			1
MIDDELPOS BBD PABLO 1		AFRIKA LEO 5	12.17	117	108	98	77	86	97	107	123	100	79	77	95	15	1	8	1	1	4
	2018	MIDDELPOS BBD KERRIE			19	37	39	54	31	66	53	65	54	56	58	62			5		
SAASVELD GOLDBERG		SWELLENDAM KAROLUS	12.29	123	65	83	121	120	118	114	108	105	105	112	114	6	1	1			1
	2018	ELEVATION KATRYN			5	5	23	50	23	66	49	65	51	53	55	60			1		
DELATRO ELIJA		RAINAISANCE BIEBER	5.00	96	97	95	108	107	107	109	114	105	104	113	113	21	4	6			2
	2018	RAINAISANCE JENNIFER LOPEZ		5	5	5	51	21	69	51	68	52	55	58	63			5			2
CONCRETE BIGGIE		STL KASPER	4.84	112	101	96	85	92	117	100	95	96	98	99	97	5	1	1			
	2019	STL ROSIE		5	5	10	40	13	54	39	53	41	43	45	49			1			
PROFFER DOC HOLIDAY		BIG SKY BBD MAGNUS	6.55	98	87	101	139	137	64	128	91	106	131	117	112	6	3	2			2
	2020	ELEVATION PAMELA			5	5	20	51	24	68	51	67	52	54	57	62			1		
CONCRETE TONKA		TOP TIER GHOST	5.57	100	104	102	92	106	95	115	115	102	102	100	106	4	1				
	2020	CONCRETE LAYLA		5	5	5	39	5	60	39	58	40	43	46	53						
TOKARA AKEEM		MIDDELPOS BBD BUDDY I	8.05	110	116	96	110	104	61	76	68	92	94	114	86	17	4	2			
	2020	TOKARA MIA 6			5	5	15	47	19	65	46	63	48	50	53	59			2		

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	
TOKARA SIMMIE		MIDDELPOS BBD BUDDY I	8.05	110	116	96	97	91	92	66	52	77	77	101	72	13 4	3		
	2020	TOKARA MIA 6		5	5	15	45	17	62	43	61	46	49	51	56				

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	
STL ROSIE	2014	TOPGUARDS TUFF ENOUGH	3.50	114	108	98	80	81	120	88	78	84	70	78	76	19	6	7		6	
		AFRIKA RAFA		5	9	29	51	26	67	51	66	52	54	57	62			4		2	
CONCRETE ZURI	2014	BLUE PRINT BOSTON	5.43	87	101	110	83	71	114	118	97	65	77	100	89	5	2	2		1	
		GATEWAY BBD STELLA		5	5	5	47	16	65	47	64	48	51	54	59			2		1	
CONCRETE MOGGIE	2015	BLUE PRINT BOSTON	5.43	87	101	110	60	70	133	129	100	63	73	90	87	6	1	4		1	
		GATEWAY BBD STELLA		5	5	5	49	18	67	48	66	50	53	55	61			2		1	
ELEVATION PAMELA	2015	ELEVATION KOOSIE	9.06	95	78	100	114	145	-3	124	108	120	143	126	116	25	3	10		3	
		MIDDELPOS BBD STELLA		9	25	54	63	41	75	62	74	63	65	67	71			9		1	
ALEXANDER BBD CHYNA	2017	CABARET THOR	19.18	92	100	105	100	113	88	96	69	101	95	109	90	6	1	1		1	
		STEPHANO ANGEL		5	5	5	48	11	65	48	64	49	52	54	60			1		1	
CONCRETE LAYLA	2018	STL KASPER	8.65	99	97	105	91	91	139	117	91	82	97	110	101	6		4		3	
		CONCRETE MOGGIE		5	5	5	44	6	63	44	62	45	48	51	57			4		1	
MIDDELPOS BBD SUZI	2018	MIDDELPOS BBD KAISER	9.36	117	101	105	88	99	79	95	112	107	105	96	101	11	3	4		2	
		MIDDELPOS BBD ROXY		5	5	46	39	13	53	39	52	40	42	44	48			2		2	
TREBLA KAYLA	2019	MAWEZA DISSELBOOM	10.18	107	91	112	75	80	112	90	83	86	74	76	77	14	3	2			
		TREBLA JASMYN		5	5	25	56	31	71	56	70	57	59	62	66			2			
CONCRETE SUMMER	2019	STL KASPER	4.84	112	101	93	88	91	118	102	89	96	86	92	91	8	4	2			
		STL ROSIE		5	5	17	46	18	63	45	62	47	49	52	57			2			
CONCRETE STORM	2019	STL KASPER	4.84	112	101	89	80	87	113	99	88	90	84	89	87	15	4	6		2	
		STL ROSIE		5	5	21	43	16	58	42	57	44	46	48	53			5		1	
CONCRETE SASHA	2019	STL KASPER	4.84	112	101	96	91	94	112	101	82	86	93	102	91	5	1	1			
		STL ROSIE		5	5	10	47	19	64	46	63	48	50	53	58			1			
CONCRETE MEDUSA	2020	TOP TIER GHOST	5.57	100	104	107	95	101	124	123	142	111	119	109	127	16	3	5		2	
		CONCRETE LAYLA		5	5	11	41	5	60	40	59	42	45	48	54			4		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	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	
MPRINT OAKLEY	2020	SAASVELD GOLDBERG	5.72	108	82	94	115	121	123	105	78	103	95	113	101	9	3	2			2
		ALEXANDER BBD CHYNA		5	5	5	44	6	63	44	62	45	48	51	57			1			1
CONCRETE CARMEL	2022	MIDDELPOS BBD PABLO 1	7.20	109	106	100	89	98	116	124	138	108	96	94	115	2	1				
		CONCRETE MEDUSA		5	5	5	43	8	62	42	61	44	47	50	55						
CONCRETE ARIZONA	2022	MIDDELPOS BBD PABLO 1	7.20	109	106	102	82	96	113	127	156	115	108	90	123	3	1	1			
		CONCRETE MEDUSA		5	5	16	42	7	61	39	59	43	46	49	54			1			
BACK 40 WILLOW	2022	PROFFER DOC HOLIDAY	9.04	103	85	98	138	139	99	120	75	109	115	119	107	7	1				
		MPRINT OAKLEY		5	5	5	43	5	62	42	61	44	46	49	56						

