



LAVINIA



DNA Test Report

TRAITS

Coat Color

E Locus (Mask, Grizzle, Recessive Red)	ee
K Locus (Dominant Black)	k^yk^y
A Locus (Agouti, Sable)	a^ta^t
D Locus (Dilute, Blue, Fawn)	DD
B Locus (Brown, Chocolate, Liver, Red, Dudley)	bb

Other Coat Traits

Furnishings / Improper Coat (RSPO2)	FF
Long Haircoat (FGF5)	TT
Shedding (MC5R)	TT
Curly Coat (KRT71)	CC
Hairlessness (FOXI3)	N/N
Oculocutaneous Albinism Type 2 - OCA2, Doberman Z Factor Albinism (SLC45A2)	N/N

Body Size

Body Size - IGF1	II
Body Size - IGF1R	GG
Body Size - STC2	TT
Body Size - GHR (E195K)	GA
Body Size - GHR (P177L)	CT

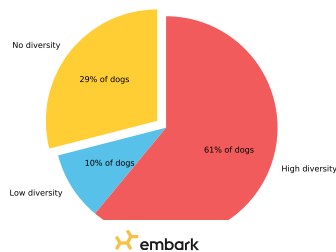
Other Body Features

Brachycephaly (BMP3)	CC
Natural Bobtail (T)	CC
Hind Dewclaws (LMBR1)	CT
Blue Eye Color	N/N

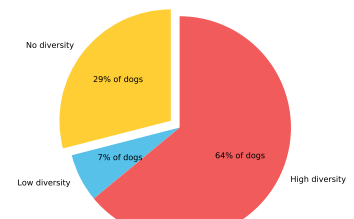
Performance

Altitude Adaptation (EPAS1)	GG
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MHC Class II - DLA DRB1
No Diversity



MHC Class II - DLA DQA1 and DQB1
No Diversity



Canine Genetic Testing Report

Submitted By

[Redacted]

SoCal Schnauzers

[Redacted]



Subject Dog [Redacted]

Dog Name: **Lavinia** Registration: [Redacted]
 Breed: **Miniature Schnauzer** Sex: **Female**
 Phenotype: **Cream** Birth: [Redacted]

Sire

Sire Name:
 Breed:
 Registration:
 Phenotype:

Dam

Dam Name:
 Breed:
 Registration:
 Phenotype:

Coat Color Testing			
<input checked="" type="checkbox"/>	A Locus-Ay	n/n	Dog does not carry the gene responsible for fawn/sable coat color.
<input checked="" type="checkbox"/>	A Locus-At	At/At	Dog has two copies of the tan points/tricolor gene.
<input checked="" type="checkbox"/>	A Locus-a	n/n	Dog does not carry the gene responsible for recessive black coat color.
<input checked="" type="checkbox"/>	B Locus	b/b	Dog has two copies of the brown/chocolate gene. All black pigment will be modified to brown/chocolate pigmentation.
<input checked="" type="checkbox"/>	D Locus	D/D	Dog is negative for the dilution gene.
<input checked="" type="checkbox"/>	E Locus- EM	n/n	Dog does not carry allele for melanistic mask.
<input checked="" type="checkbox"/>	E Locus- e	e/e	The dog is yellow-based, and will always pass on a copy of the yellow allele to any offspring.
<input checked="" type="checkbox"/>	K Locus-KB	n/n	Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene.
<input checked="" type="checkbox"/>	Spotting	N/S	Dog carries one copy of the spotting or parti-color gene, and can pass it on to any offspring.
	Harlequin		<i>Not Tested</i>
	Merle		<i>Not Tested</i>

Genetic Disorders			
	DM		<i>Not Tested</i>

Coat Type Testing		
	Hair Length	<i>Not Tested</i>
	Hair Curl	<i>Not Tested</i>
	Furnishings	<i>Not Tested</i>
	Bobtail	<i>Not Tested</i>

Genetic Marker Results						Run Date:
-	-	-	-	-	-	<i>Not Tested</i>
AHT121	AHT137	AHT171	AHT260	AHTk211	AHTk253	C22-279
-	-	-	-	-	-	-
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055
-	-	-	-	-		
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23		

Additional Comments

A-Panel: At/At-Homozygous for black-and-tan.
 E-Panel: e/e-Dog has two copies of the recessive yellow allele and will express the yellow phenotype. Dog does not carry the melanistic mask allele.