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DNA Test Report

Dog Information

Adel-Lightful Addie of KOR (Addie) NAME	Female SEX
Miniature Schnauzer BREED ANCESTRY	April 12th, 2018 DATE OF BIRTH
American Kennel Club (AKC) RN32034501 REGISTRATION	n/a MICROCHIP

Gina Cardoza Bleacher
OWNER NAME

Canine Genetic Health Screen
TEST

October 8th, 2019
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Degenerative Myelopathy, DM	SOD1(A)	GG	Clear	
Myotonia Congenita	CLCN1 (Exon 7)	GG	Clear	
Persistent Mullerian Duct Syndrome, PMDS	AMHR2	CC	Clear	

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INBREEDING AND DIVERSITY

Genetic Diversity	RESULT	GENETIC RESULT
Coefficient Of Inbreeding		**25%**
MHC Class II - DLA DRB1		**No Diversity**
MHC Class II - DLA DQA1 and DQB1		**No Diversity**

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TRAIT TESTS (1/2)

Coat Color	RESULT	GENETIC RESULT
E Locus (MC1R)	No dark mask or grizzle	EE
K Locus (CBD103)	More likely to have a patterned haircoat	$k^y k^y$
Intensity Loci LINKAGE	Any light hair likely white or cream	Dilute Red Pigmentation
A Locus (ASIP)	Black/Brown and tan coat color pattern	$a^t a^t$
D Locus (MLPH)		No Call
B Locus (TYRP1)	Black or gray hair and skin	Bb
Saddle Tan (RALY)	Not saddle tan patterned	II
S Locus (MITF)	Likely to have little to no white in coat	SS
M Locus (PMEL)	No merle alleles	mm
H Locus (Harlequin)	No harlequin alleles	hh

Other Coat Traits	RESULT	GENETIC RESULT
Furnishings (RSPO2) LINKAGE	Likely furnished (mustache, beard, and/or eyebrows)	FF
Coat Length (FGF5)	Likely long coat	TT
Shedding (MC5R)	Likely light shedding	CC
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN
Hairlessness (SGK3)	Very unlikely to be hairless	NN
Oculocutaneous Albinism Type 2 (SLC45A2) LINKAGE	Likely not albino	NN
Coat Texture (KRT71)	Likely wavy coat	CC

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TRAIT TESTS (2/2)

Body Size	RESULT	GENETIC RESULT
Body Size (IGF1)	Smaller	II
Body Size (IGFR1)	Larger	GG
Body Size (STC2)	Larger	TT
Body Size (GHR - E191K)	Intermediate	GA
Body Size (GHR - P177L)	Larger	CC

Performance	RESULT	GENETIC RESULT
Altitude Adaptation (EPAS1)	Normal altitude tolerance	GG
Appetite (POMC) LINKAGE	Normal food motivation	NN