




Orthopedic Foundation of Animals

OWASCO VALLEY'S DELTA SHADOW MAYHEM

Registration: SR80401101 (AKC) **Sire:** SR22182602
Breed: LABRADOR RETRIEVER **Dam:** SR61790902
Sex: F ***Titles:**
Color: BLACK **CHIC #:**
Birthdate: Nov 7 2013 **Addtl. Reg. #** R253044



OFA Number	Registry	Test/Film Date	Report Date	Age	Final Conclusion
LR-226015G40F-VPI	HIPS	Mar 23 2017	Mar 29 2017	40	GOOD
LR-EL77329F40-VPI	ELBOW	Mar 23 2017	Mar 29 2017	40	NORMAL
LR-CNM1551/3F-PI	CENTRNUCLEAR MYOPATHY	Feb 28 2014	May 9 2017	3	CLEAR
LR-CY106/3F-PI	CYSTINURIA	Feb 28 2014	May 9 2017	3	TYPE 1A CLEAR/NORMAL
LR-DM643/3F-PI	DEGENERATIVE MYELOPATHY	Feb 28 2014	May 9 2017	3	NORMAL
LR-EIC3947/4F-VPI	EXERCISE INDUCED COLLAPSE	Mar 12 2014	May 9 2017	4	CLEAR
LR-EYE12911/45F-VPI EYES		Aug 12 2017	Aug 30 2017	45	NORMAL: 2017

Sire/Dam	Registration	Birthdate	Sex	Relation	HIPS	ELBOW	CENTRNUCLEAR MYOPATHY	CYSTINURIA	EXERCISE INDUCED COLLAPSE	EYES
A SHADOW OF ABE	SR22182602	Nov 5 2004	M	Sire	LR-164704G25M-NOPI					
MORNING SUN'S AMBUSH ADDY 	SR61790902	Mar 28 2010	F	Dam	LR-200354G30F-VPI	LR-EL56557F30-VPI	LR-CNM486/39F-VPI	LR-CY6/39F-VPI	LR-EIC2085/39F-VPI	LR-EYE1255/78F-VPI
Half Siblings(Sire)	Registration	Birthdate	Sex	Relation	HIPS	ELBOW	CENTRNUCLEAR MYOPATHY	CYSTINURIA	EXERCISE INDUCED COLLAPSE	EYES
MORNING SUN PEPPERMINT BARK 	SR70281108	Oct 21 2011	F	Half(Sire)	LR-206095E24F-VPI	LR-EL60950F24-VPI			LR-EIC2260/25F-VPI	LR-EYE280/62F-VPI
A SHADOW OF HAWKEYE'S GARRISON 	SR70281102	Oct 21 2011	M	Half(Sire)	LR-206133E24M-VPI	LR-EL60980M24-VPI	LR-CNM485/20M-VPI	LR-CY5/20M-VPI	LR-EIC2084/20M-VPI	LR-EYE1234/38M-VPI
PADDY OF KITTRELL SPRINGS	SR81656202	Mar 6 2014	F	Half(Sire)	LR-222719G29F-VPI					



PRA-prcd DNA Test

Case Number: 95877

Owner: Charles & Lorri Whiteman

Canine Information

DNA ID Number: **140670**

Call Name: **Delta**

Sex: **Female**

Birthdate: **11/07/2013**

Breed: **Labrador Retriever**

Coat Color: **Black**

Registered Name: **Owasco Valley's Delta Shadow Mayhem**

Registration Number: **SR80401101**

Microchip/Tattoo: **152012311A**

Report Date: 8/28/2017

DNA Result: **Clear (2 copies of the normal allele)**

These results are based on data obtained from analysis of unique DNA loci in accordance with the standards and protocols set forth by DDC Veterinary. The accuracy of the result is based on the information and the quality of samples provided by the client. DDC Veterinary does not assume responsibility of errors due to mislabeled or incorrectly sampled submissions.


Matt Shaunessy, Senior Scientist



Coat Color DNA Test

Case Number: 95876

Owner: Charles & Lorri Whiteman

Canine Information

DNA ID Number: **140670**

Call Name: **Delta**

Sex: **Female**

Birthdate: **11/07/2013**

Breed: **Labrador Retriever**

Coat Color: **Black**

Registered Name: **Owasco Valley's Delta Shadow Mayhem**

Registration Number: **SR80401101**

Microchip/Tattoo: **152012311A**

Report Date: 8/28/2017

DNA Result: **DD C.22G>A -/-**

These results are based on data obtained from analysis of unique DNA loci in accordance with the standards and protocols set forth by DDC Veterinary. The accuracy of the result is based on the information and the quality of samples provided by the client. DDC Veterinary does not assume responsibility of errors due to mislabeled or incorrectly sampled submissions.


Matt Shaunessy, Senior Scientist



This supplemental sheet can be used as a guide to help clients better understand their DNA Coat Color results.

More comprehensive information about DNA Color testing can be found at our webpage:

<http://www.vetdnacenter.com/canine-dna-coat-color.html>

BB	S41C -/-, Q331X -/-, 345delP -/-	(does not carry brown)
Bb	S41C +/-, Q331X -/-, 345delP -/-	(brown carrier)
Bb	S41C -/-, Q331X +/-, 345delP -/-	(brown carrier)
Bb	S41C -/-, Q331X -/-, 345delP +/-	(brown carrier)
Bb ₂	S41C +/-, Q331X -/-, 345delP +/-	(carries 2 copies of brown alleles)
bb	S41C , Q331X , 345delP	(brown phenotype; 2 or more SNPs detected)

*Please note that brown color is also commonly referred to as “liver” or “chocolate” and occasionally “red” in a few breeds as well.

EE	R306ter	-/-	(does not carry yellow)
Ee	R306ter	+/-	(yellow carrier)
ee	R306ter	+/+	(yellow phenotype)

*Please note that yellow color in Labrador Retrievers can be interpreted differently in other breeds. The phenotype could include a number of lighter colors described by breeders as cream, white, clear red, red, or apricot.

DD	C.22G>A	-/-	(does not carry dilution)
Dd	C.22G>A	+/-	(dilute carrier)
dd	C.22G>A	+/+	(dilute phenotype)
E ^M E ^M	M264V	+/+	(2 copies of dominant mask allele)
E ^M E ^x	M264V	+/-	(1 copy of dominant mask allele & 1 copy of recessive non-mask allele)
E ^x E ^x	M264V	-/-	(2 copies of recessive non-mask allele)
NN	spot SINE	-/-	(2 copies of the non-piebald allele)
NS	spot SINE	+/-	(1 copy of the non-piebald allele and 1 copy of the piebald allele)
SS	spot SINE	+/+	(2 copies of the piebald allele)
K ^B K ^B	G23del	+/+	(2 copies of dominant allele)
K ^B K ^y	G23del	+/-	(1 copy of dominant allele & 1 copy of recessive allele)
K ^y K ^y	G23del	-/-	(2 copies of recessive allele)
a ^y a ^y	A82S	+/+	(2 copies of fawn/sable allele)
a ^y a ^w	A82S	+/-	(1 copy of fawn/sable allele & 1 copy of non-fawn/sable allele)
a ^w a ^w	A82S	-/-	(2 copies of non- fawn/sable allele)
aa	R96C	+/+	(2 copies of recessive black allele)
aa ^x	R96C	+/-	(1 copy of recessive black allele & 1 copy of non-recessive black allele)
a ^x a ^x	R96C	-/-	(2 copies of non-recessive black allele)
a ^w a ^w	tan SINE	-/-	(2 copies of the non-tan point allele)
a ^w a ^t	tan SINE	+/-	(1 copy of the non-tan point allele and 1 copy of the tan point allele)
a ^t a ^t	tan SINE	+/+	(2 copies of the tan point allele)
NN	PSMB7:c.146T>G	-/-	(does not carry harlequin)
NH	PSMB7:c.146T>G	+/-	(1 copy of the harlequin, harlequin is expressed if merle gene is also present)