AnimalGenetics INCORPORATED
3382 Capital Circle NE
Tallahassee, FL 32308

Generated On: **9/24/2021**

Canine Genetic Testing Report

Submitted By

Perry Fabiano
Pheasant Row Kennels
1241 State Route 213
Kingston, NY 12401
United States

Subject Dog 00297782

Date Received: 9/18/2021

Dog Name: **Mandy**
Breed: Labrador Retriever
Phenotype: Black
Registration: SS02358901
Microchip:
Sex: Female
Birth: 11/12/2017

Sire

Sire Name:
Breed:
Registration:
Phenotype:

Dam

Dam Name:
Breed:
Registration:
Phenotype:

Coat Color Testing

X	A Locus-Ay	n/n	Dog does not carry the gene responsible for fawn/sable coat color.
X	A Locus-Aw	n/n	Negative for wild-sable.
X	A Locus-At	At/At	Dog has two copies of the tan points/tricolor gene.
X	A Locus-a	n/n	Dog does not carry the gene responsible for recessive black coat color.
X	B Locus	B/B	Dog does not carry the brown allele, and can never pass on the gene for brown to future offspring
	Cocoa		*Not Tested*
X	D Locus	D/D	Dog is negative for the dilution gene.
X	E Locus- EM	n/n	Dog does not carry allele for melanistic mask.
X	E Locus- e	E/e	Dog carries the allele responsible for the yellow coat color and could pass on either allele to any offspring.
X	K Locus-KB	KB/KB	Dog has two copies of the dominant black gene, and will be self-colored. Dog will always have self-colored offspring.
X	Spotting	N/N	Negative: Dog is negative for the MITF variant associated with parti-color in some breeds.
	Harlequin		*Not Tested*
	Merle		*Not Tested*

Coat Type Testing

X	Hair Length	L/L	Short Hair: Dog does not have the long-hair allele.
X	Hair Curl	n/n	Non-Curly Coat: Dog does not carry the mutation for coat curl.
X	Furnishings	n/n	Dog is negative for the Furnishings mutation.
X	Shedding	n/SD	Moderate: Dog has one copy of the shedding allele, and is likely to be a moderate shedder.

Genetic Disorders

X	CNM	n/n	Clear: Dog is negative for the CNM mutation.
X	Cystinuria	n/n	Clear: Dog tested negative for the Cystinuria mutation.
X	DM	n/n	Clear: Dog is negative for the Degenerative Myelopathy mutation.
X	EIC	n/n	Clear: Dog is negative for the EIC mutation
X	HNPK	n/n	Clear: Dog tested negative for the Hereditary Nasal Parakeratosis mutation.
X	HUU	n/n	Clear: Dog tested negative for the Hyperuricosuria.
	MH		*Not Tested*
X	PKD	n/n	Clear: Dog tested negative for the Pyruvate Kinase Deficiency mutation.
X	prcd-PRA	n/n	Clear: Analysis indicates dog is negative/clear for the prcd-PRA mutation.
X	SD2	n/n	Clear: Dog tested negative for the Skeletal Dysplasia 2 mutation.
	CDDY		*Not Tested*
	CDPA		*Not Tested*

Additional Comments

A-Panel: At/At - Homozygous for black-and-tan.
E-Panel: E/e-Dog has one copy of the recessive yellow allele and does not carry the melanistic mask allele.

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Canine Genetic Testing Report

Submitted By
Perry Fabiano Pheasant Row Kennels 1241 State Route 213 Kingston, NY 12401 United States

Subject Dog 00297783

Date Received: 9/18/2021

Dog Name: **Mikki**
Breed: Labrador Retriever
Phenotype: Chocolate
Registration: SS18029107
Microchip:
Sex: Female
Birth: 04/13/2020

Sire

Sire Name:
Breed:
Registration:
Phenotype:

Dam

Dam Name:
Breed:
Registration:
Phenotype:

Coat Color Testing

X	A Locus-Ay	n/n	Dog does not carry the gene responsible for fawn/sable coat color.
X	A Locus-Aw	n/n	Negative for wild-sable.
X	A Locus-At	At/At	Dog has two copies of the tan points/tricolor gene.
X	A Locus-a	n/n	Dog does not carry the gene responsible for recessive black coat color.
X	B Locus	b/b	Dog has two copies of the brown/chocolate gene. All black pigment will be modified to brown/chocolate pigmentation.
	Cocoa		*Not Tested*
X	D Locus	D/D	Dog is negative for the dilution gene.
X	E Locus- EM	n/EM	Dog has one copy of the allele for melanistic mask
X	E Locus- e	E/E	Dog does not carry the gene responsible for yellow coat color. This dog will never pass on the allele for yellow coat color.
X	K Locus-KB	KB/KB	Dog has two copies of the dominant black gene, and will be self-colored. Dog will always have self-colored offspring.
X	Spotting	N/N	Negative: Dog is negative for the MITF variant associated with parti-color in some breeds.
	Harlequin		*Not Tested*
	Merle		*Not Tested*

Coat Type Testing

X	Hair Length	L/L	Short Hair: Dog does not have the long-hair allele.
X	Hair Curl	n/n	Non-Curly Coat: Dog does not carry the mutation for coat curl.
X	Furnishings	n/n	Dog is negative for the Furnishings mutation.
X	Shedding	n/SD	Moderate: Dog has one copy of the shedding allele, and is likely to be a moderate shedder.

Genetic Disorders

X	CNM	n/n	Clear: Dog is negative for the CNM mutation.
X	Cystinuria	n/n	Clear: Dog tested negative for the Cystinuria mutation.
X	DM	n/n	Clear: Dog is negative for the Degenerative Myelopathy mutation.
X	EIC	n/n	Clear: Dog is negative for the EIC mutation
X	HNPK	n/n	Clear: Dog tested negative for the Hereditary Nasal Parakeratosis mutation.
X	HUU	n/n	Clear: Dog tested negative for the Hyperuricosuria.
	MH		*Not Tested*
X	PKD	n/n	Clear: Dog tested negative for the Pyruvate Kinase Deficiency mutation.
X	prcd-PRA	n/n	Clear: Analysis indicates dog is negative/clear for the prcd-PRA mutation.
X	SD2	n/n	Clear: Dog tested negative for the Skeletal Dysplasia 2 mutation.
	CDDY		*Not Tested*
	CDPA		*Not Tested*

Additional Comments

A-Panel: At/At - Homozygous for black-and-tan.
E-Panel: EM/E-Dog has one copy of the melanistic mask allele and does not carry the recessive yellow allele.